API Well Number: 43019500370000

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

## APPLICATION FOR PERMIT TO DRILL

**1. WELL NAME and NUMBER**
Cane Creek Unit 32-1-25-19

**2. TYPE OF WORK**
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

**3. FIELD OR WILDCAT**
CANE CREEK

**4. TYPE OF WELL**
Oil Well Coalbed Methane Well: NO

**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
CANE CREEK

**6. NAME OF OPERATOR**
FIDELITY E&P COMPANY

**7. OPERATOR PHONE**
720 931-6459

**8. ADDRESS OF OPERATOR**
1700 Lincoln Street Ste 2800, Denver, CO, 80203

**9. OPERATOR E-MAIL**
Robert.Sencenbaugh@fidelityepco.com

**10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)**
ML-43565

**11. MINERAL OWNERSHIP**
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

**12. SURFACE OWNERSHIP**
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

**13. NAME OF SURFACE OWNER (if box 12 = 'fee')**

**14. SURFACE OWNER PHONE (if box 12 = 'fee')**

**15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')**

**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**

**17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')**

**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS**
YES ○ (Submit Commingling Application) NO ◉

**19. SLANT**
VERTICAL ○ DIRECTIONAL ○ HORIZONTAL ◉

| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 1114 FSL 858 FWL | SWSW | 32 | 25.0 S | 19.0 E | S |
| Top of Uppermost Producing Zone | 1563 FSL 1307 FWL | NWSW | 32 | 25.0 S | 19.0 E | S |
| At Total Depth | 685 FNL 694 FEL | NENE | 32 | 25.0 S | 19.0 E | S |

**21. COUNTY**
GRAND

**22. DISTANCE TO NEAREST LEASE LINE (Feet)**
858

**23. NUMBER OF ACRES IN DRILLING UNIT**
640

**25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)**
10560

**26. PROPOSED DEPTH**
MD: 12236 TVD: 7454

**27. ELEVATION - GROUND LEVEL**
5662

**28. BOND NUMBER**
190017646/104891324

**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**
Municipal



### Hole, Casing, and Cement Information

| String | Hole Size | Casing Size | Length | Weight | Grade & Thread | Max Mud Wt. | Cement | Sacks | Yield | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| Cond | 26 | 20 | | | | | | | | |
| Surf | 17.5 | 13.375 | 0 - 1070 | 54.5 | J-55 Buttress | 0.0 | Type III | 303 | 2.47 | 12.3 |
| | | | | | | | Type III | 200 | 2.14 | 14.2 |
| Prod | 8.5 | 7 | 0 - 3950 | 29.0 | P-110 Other | 16.5 | Class G | 605 | 1.44 | 16.8 |
| | | | 3950 - 7072 | 32.0 | HCP-110 LT&C | 16.5 | Class G | 373 | 1.73 | 18.0 |
| | | | 7072 - 11976 | 29.0 | P-110 Other | 16.5 | None | | | |
| I1 | 12.25 | 9.625 | 0 - 4180 | 40.0 | L-80 Buttress | 0.0 | Class G | 660 | 1.25 | 14.4 |
| | | | | | | | Class G | 250 | 1.25 | 14.4 |

### ATTACHMENTS

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

**NAME** Joy Gardner | **TITLE** Sr. Engineering Tech | **PHONE** 720 956-5763

**SIGNATURE** | **DATE** 10/08/2013 | **EMAIL** joy.gardner@fidelityepco.com

**API NUMBER ASSIGNED**
43019500370000

**APPROVAL**
Permit Manager

RECEIVED: November 25, 2013

**Fidelity Exploration & Production Company Eight Point Plan**

**CANE CREEK UNIT 32-1-25-19**
**SEC 32 / T25S / R19E, SWSW, 1114' FSL & 858' FWL**
**GRAND COUNTY, UTAH**

## 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

| FORMATION | TVD-RKB (ft) | Sub-Sea (ft) | Lithology | Objective |
|---|---|---|---|---|
| Windgate Sand | Surface | | Sandstone | |
| Chinle | 400 | +5420 | Sand/Shale | |
| Moenkopi | 773 | +5047 | Sand/Shale | |
| Cutler | 1135 | +4685 | Sandstone | |
| Honaker Trail | 2251 | +3569 | Sand/Evaporite | |
| Paradox | 3646 | +2174 | Salt/Clastics | Secondary |
| Clastic 18/19 | 6680 | -860 | Shale | Primary |
| T.D. | 7388 | -1568 | | |
| T.D. (LATERAL MD) | ±12,236 | | | |
| | | | | |

Estimated TD**: 7454' TVD/ 12,236' MD** **Anticipated BHP: ±5600Psig**

1. Lost circulation in all intervals.
2. Cement isolation is installed to surface of the well isolating all zones by cement and casing.

## 3. PRESSURE CONTROL EQUIPMENT:

Intermediate & Production Hole – 10,000 Psig
BOP schematic diagrams attached.

## 4. CASING PROGRAM:

| CASING | Hole Size | Length | Size | WEIGHT | Grade | Thread | Collapse (psi) a | Burst (psi) b | Tensile (1K lbs) c |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | 26" | 0 – ±90' | 20" | | | | | | |
| Surface | 17 ½" | 0' – 1,070' | 13 3/8" | 54.5# | J-55 | BTC | 1130/2.1 | 2730/3.0 | 909/2.5 |
| Intermediate | 12 ¼" | 0 – 4,180' | 9-5/8" | 40.0# | L-80 | BTC | 3,090/1.5 | 5,750/1.2 | 947/2.1 |
| Production | 8-1/2" | 0 – 3,950' | 7" | 29# | P-110 | BTC | 8,530/2.5 | 11,220/3.3 | 955/2.1 |
| Production | 8-1/2" | 3950 – 7072' | 7" | 32# | HCP-110 | BTC | 11,890/1.9 | 12,460/2.0 | 955/2.1 |
| Production | 8-1/2" | 7072 – 12,236' | 7" | 29# | P-110 | BTC | 8,530/1.3 | 11,220/2.0 | 955/2.1 |
| | | | | | | | | | |

Surface based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppf fluid + 100K overpull.
Intermediate based on full evacuation: a=9.0 ppg fluid on backside, b=9.0 ppg inside, & c=9.0 ppf fluid + 100K overpull.
Production based on full evacuation: a=16.5 ppg fluid on backside, b=16.5 ppg inside, & c=16.5 ppf fluid + 100K overpull

**All casing will be new or inspected.**





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**Fidelity Exploration & Production Company Eight Point Plan**

**CANE CREEK UNIT 32-1-25-19**
**SEC 32 / T25S / R19E, SWSW, 1114' FSL & 858' FWL**
**GRAND COUNTY, UTAH**

## 5. Float Equipment:

**Surface Hole Procedure (0'- 1070'±)**
Guide Shoe
Insert Float Collar (PDC drillable)
Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (23 total)

**Intermediate Hole Procedure (0'- 4,180±)**
Guide Shoe
Insert Float Collar (PDC drillable)
Centralizers: 1-5' above shoe, top of joints. #2 and #3 then every 3rd joint to surface. (33 total)

**Production Hole Procedure (0' - TD):**
Float shoe, 1 joint casing, float collar and balance of casing to surface. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint. 1 collar per joint in the lateral (length TBD) and 2 per joint In the curve from 90° to 45°, 1 per joint to ±6,550'. (Approximately 150)



## 6. MUD PROGRAM

| Interval | Mud Type | Mud Wt. | PV / YP | OWR |
|---|---|---|---|---|
| 0' – 1,000' | Air Mist | --- | --- | --- |
| 1,000' - 4,180' | Air Mist/Aerated Water | --- | --- | --- |
| 4,180'- 12,236' | Oil Based Mud | 13.5-16.5 ppg | 22-32 / 12-22 | +/-90:10 |

**Intermediate & Production Hole Procedure (4,180' - TD):** Anticipated mud weight 13.5 – 16.5 ppg depending on actual wellbore conditions encountered while drilling.

An oil based mud (OBM) system will be used to prevent fluid interaction with the salts and shales. LCM sweeps, pills, etc., will be used to prevent fluid loss. Adequate amounts of weighting material will be on hand as needed for well control.

## 7. VARIANCE REQUESTS:

**Reference:** **Onshore Oil and Gas Order No. 1**
**Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations**

- Fidelity E&P. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- Fidelity E&P requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.



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**CANE CREEK UNIT 32-1-25-19**
**SEC 32 / T25S / R19E, SWSW, 1114' FSL & 858' FWL**
**GRAND COUNTY, UTAH**

- Fidelity E&P requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).

- Fidelity E&P requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

## 8. EVALUATION PROGRAM:

**Mud Logs:** Mud log from 1,055' to TD.
**Open-hole Logs**: Triple-Combo, ECS, OBM FMI

## 9. CEMENT PROGRAM:

### Surface Hole Procedure (Surface – 1,070'±):

**Lead:** **303 sks** Type III Halliburton cement + 2% Sodium Silicate + 2% Gypsum. Yield = 2.47 $ft^3$/sk @ 12.30 ppg
**Tail:** **200 sks** Type III Halliburton cement + 2% Sodium Silicate + 2% Gypsum. Yield = 2.14 $ft^3$/sk @ 14.20 ppg.
**Top Out**: As necessary with Class "G" cement with 2% $CaCl_2$, ¼#/sk LCM mixed at 15.6 ppg, 1.18 $ft^3$/sk., 5.2 gps water.
**Note**: Cement volumes will be calculated to bring lead cement to surface.

### Intermediate Hole Procedure (Surface – 4,180'±):

**Lead:** **660 sks** 66 pps Class G + 14 pps Pozz + 0.2% Sodium Silicate + 2 pps Gypsum. Yield = 1.25 $ft^3$/sk @ 14.40 ppg
**Tail:** **250 sks** 66 pps Class G + 14 pps Pozz + 0.2% Sodium Silicate + 2 pps Gypsum + Nitrogen. Yield = 1.25 $ft^3$/sk @ 14.4 ppg
**Top Out**: As necessary with Class "G" cement with 2% $CaCl_2$, ¼#/sk LCM mixed at 15.6 ppg, 1.18 $ft^3$/sk., 5.2 gps water.

### Production Hole Procedure (4,180 – TD):

**Lead:** **605 sks** Weighted Class G + 10% Silica Flour + 25% 100 Mesh sand. Yield = 1.44 $ft^3$/sk @ 16.80 ppg.
**Tail:** **373 sks** Class G cement + 75 pps Hematite. Yield = 1.73 $ft^3$/sk @ 18.00 ppg.

**Note**: The above number of sacks is based on gauge-hole calculation, 0% excess.
Final Cement volumes will be based upon gauge-hole plus 30% excess and the actual depth drilled to.





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**Fidelity Exploration & Production Company Eight Point Plan**

**CANE CREEK UNIT 32-1-25-19**
**SEC 32 / T25S / R19E, SWSW, 1114' FSL & 858' FWL**
**GRAND COUNTY, UTAH**

## 10. ABNORMAL CONDITIONS:

**Surface Hole (Surface – 1,070'±):**
Lost circulation.

**Intermediate & Production Hole (1,070'± - TD):**
Lost circulation zones and over pressure in the production zone.

## 11. STANDARD REQUIRED EQUIPMENT:

A. Choke Manifold
B. Upper and Lower Kelly Cock
C. Stabbing Valve
D. Visual Mud Monitoring

## 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

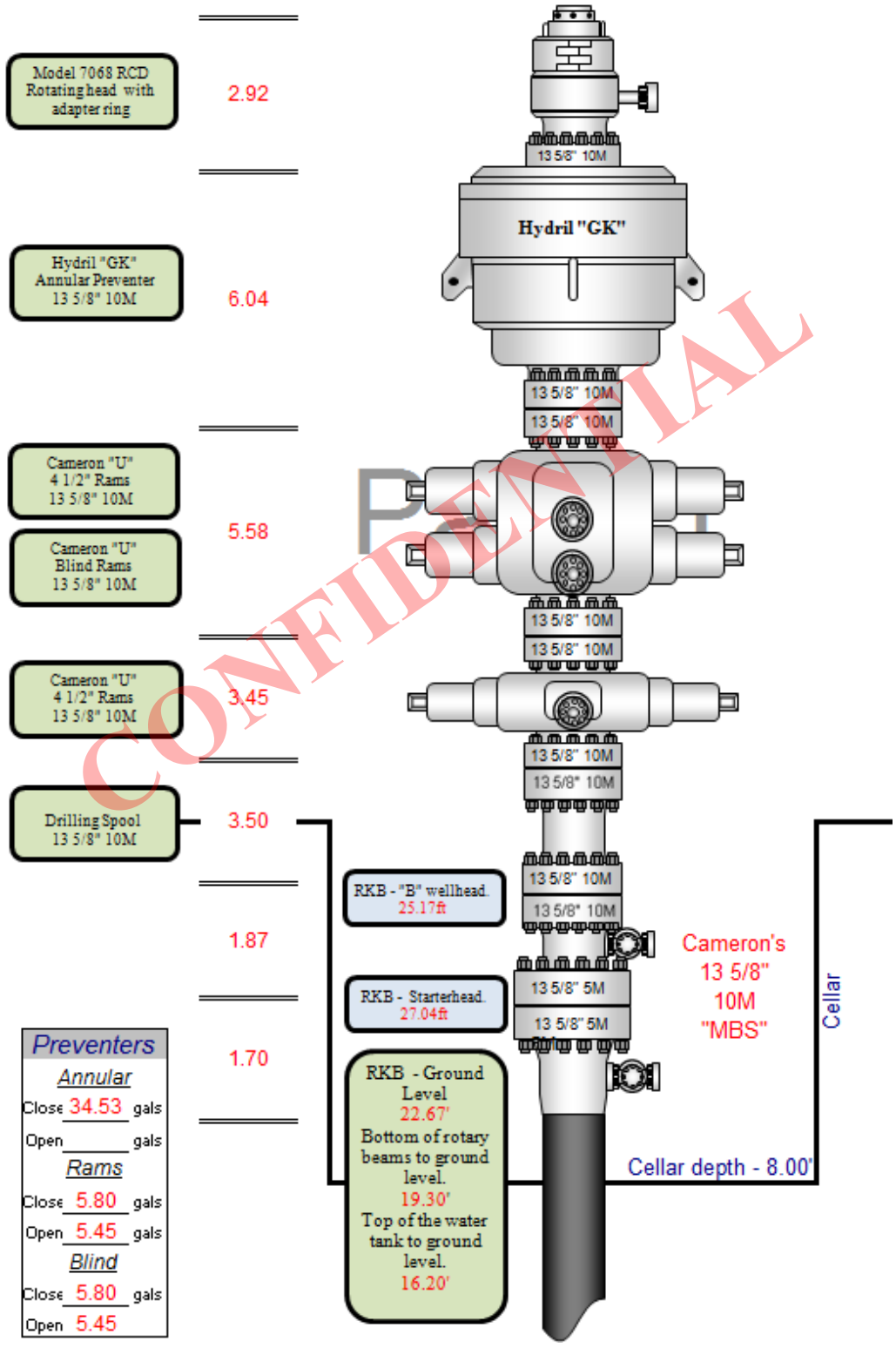




RECEIVED: October 23, 2013

**Fidelity Exploration & Production Company Eight Point Plan**

**CANE CREEK UNIT 32-1-25-19**
**SEC 32 / T25S / R19E, SWSW, 1114' FSL & 858' FWL**
**GRAND COUNTY, UTAH**



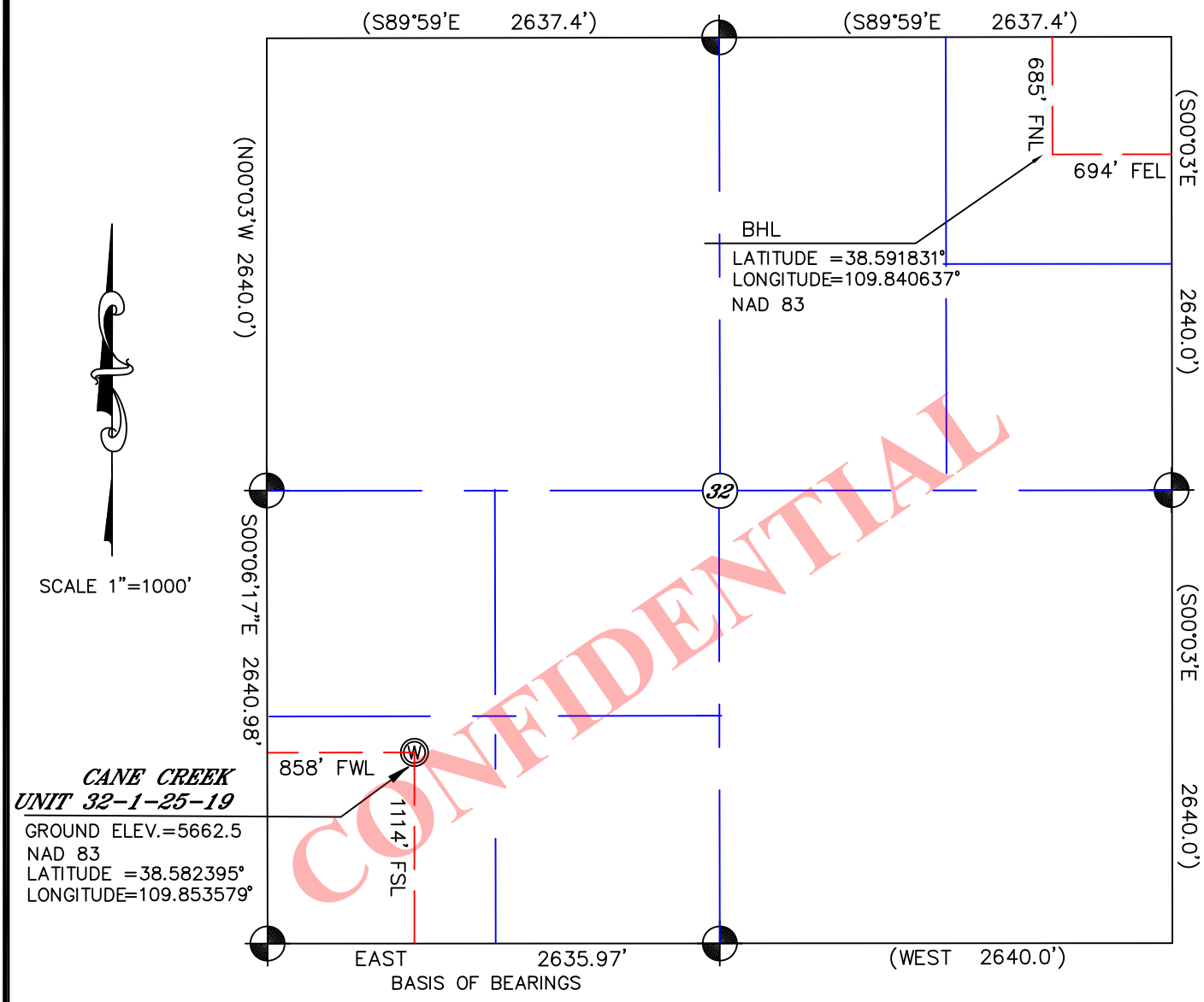





RECEIVED: October 23, 2013

API Well Number: 43019500370000

# SECTION 32, T 25 S, R 19 E, SLM






NOTES: DATA IN PARENTHESIS IS OF RECORD. ALL OTHER DATA IS SURVEYED DATA.

ELEVATIONS ARE BASED ON A G.P.S. 2 HOUR OPUS OBSERVATION.

## LEGEND

FOUND GOVERNMENT MONUMENT

SET T-POST WITH LATH AT PROPOSED WELL LOCATION

REGISTERED LAND SURVEYOR No171004 TIMOTHY M. KEOGH STATE OF UTAH

TIMOTHY M. KEOGH

10-01-13
DATE


KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532


A SURVEY OF

# CANE CREEK UNIT 32-1-25-19

WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR

FIDELITY EXPLORATION & PRODUCTION CO.

| | | |
|---|---|---|
| DATE: 10-01-13 | DRAWN BY: TMK | CHECKED BY: TMK |
| SCALE: 1"=1000' | F.B.# TDC1 | 32-1 PLAT.DWG |

RECEIVED: October 08, 2013

API Well Number: 43019500370000

# FIDELITY EXPLORATION & PRODUCTION CO.

## CANE CREEK UNIT 32-1-25-19

WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH

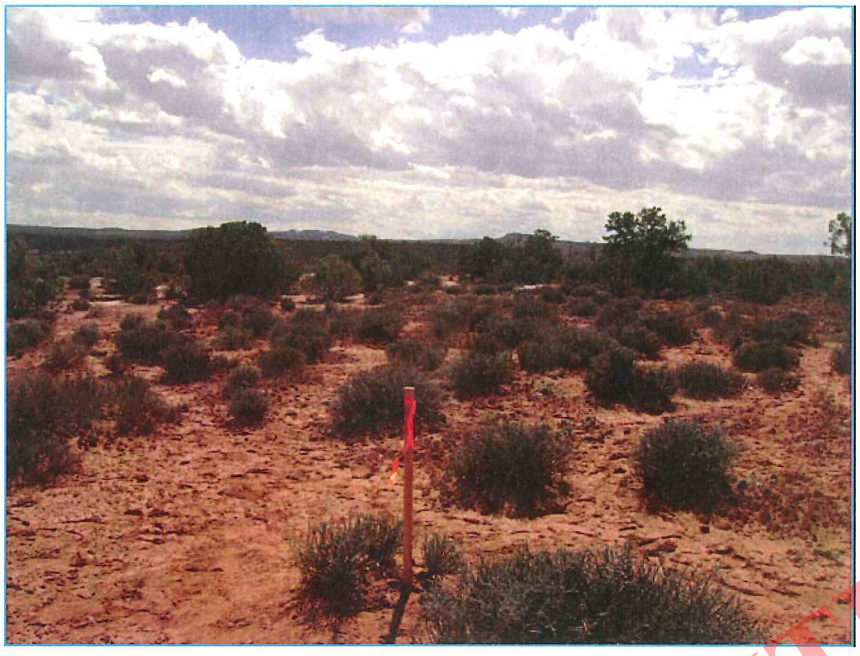


PHOTO: CENTER–SOUTH

CAMERA ANGLE: SITE NORTH

PHOTO: CENTER–WEST

CAMERA ANGLE: SITE EAST



KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532

LOCATION PHOTOS

| TAKEN BY: KAYCAMP | DATE: 9–17–13 | SURVEYED 9–13–13 |
|---|---|---|

API Well Number: 43019500370000

# FIDELITY EXPLORATION & PRODUCTION CO.

## CANE CREEK UNIT 32-1-25-19

WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH

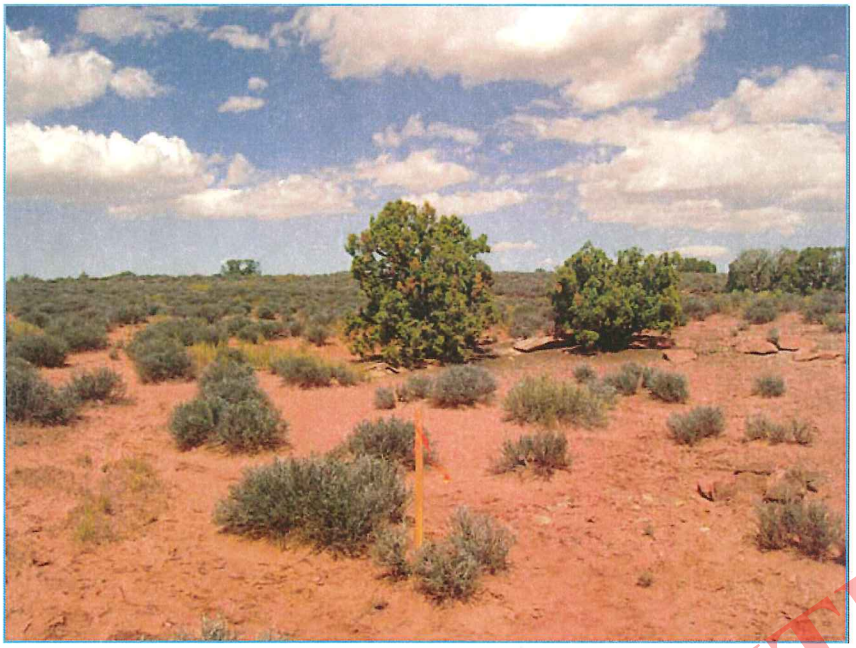


PHOTO: CENTER–NORTH

CAMERA ANGLE: SITE SOUTH

PHOTO: CENTER–EAST

CAMERA ANGLE: SITE WEST

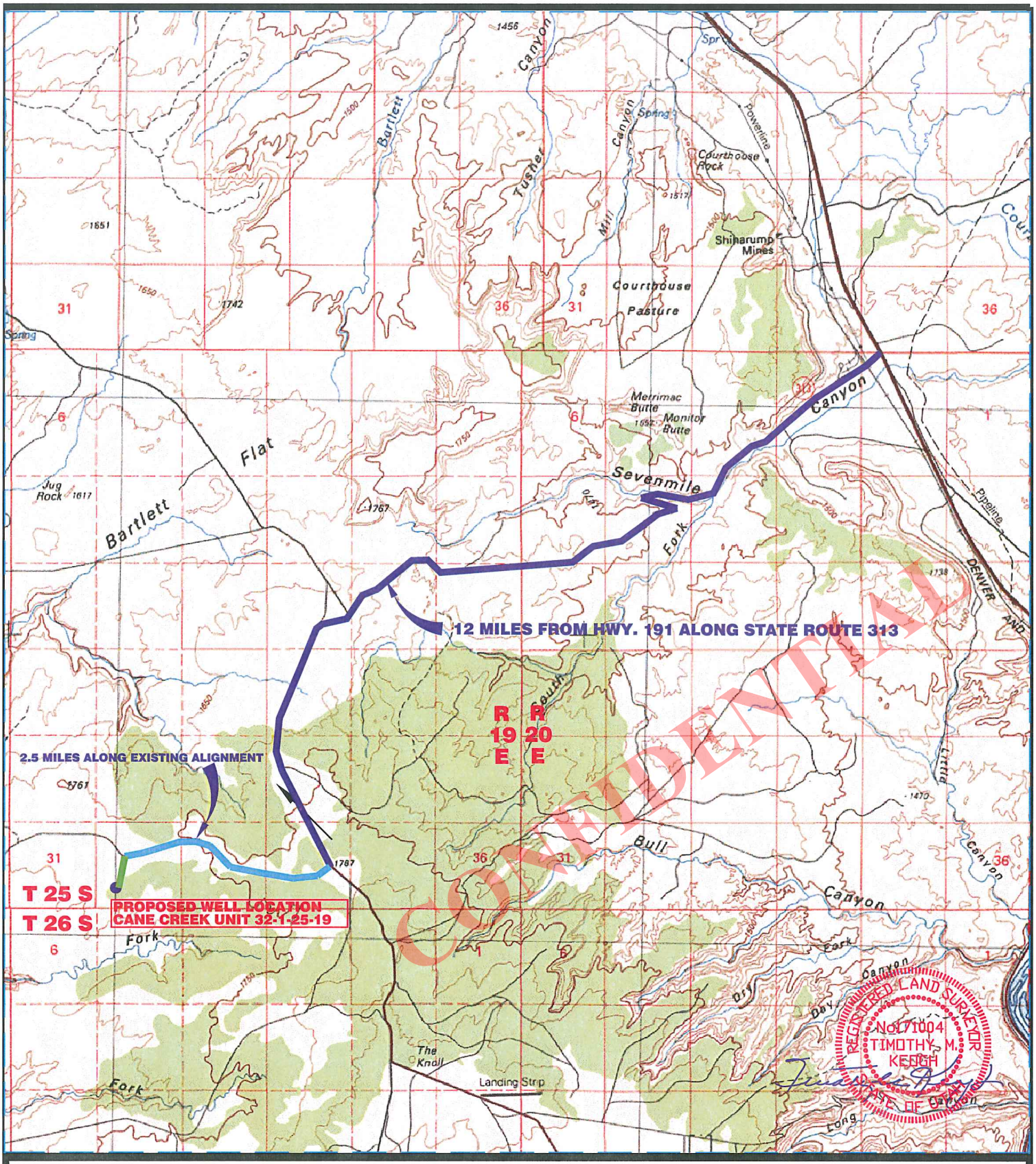


KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532

LOCATION PHOTOS

| TAKEN BY: KAYCAMP | DATE: 9–17–13 | SURVEYED 9–13–13 |
|---|---|---|

API Well Number: 43019500370000




LEGEND

- PROPOSED WELL
- PROPOSED ACCESS TO SUBJECT WELL
- ROAD TO OTHER WELLS
- EXISTING ROAD TO BE IMPROVED
- EXISTING ROAD

*TOPOGRAPHIC MAP "A"*

| | | |
|---|---|---|
| DRAWN BY: TMK | REVISED: | DATE: 9-17-13 |
| | | SCALE: 1:100000 |
| | | SURVEYED 9-13-13 |

*FIDELITY EXPLORATION & PRODUCTION CO.*

PROPOSED ACCESS TO

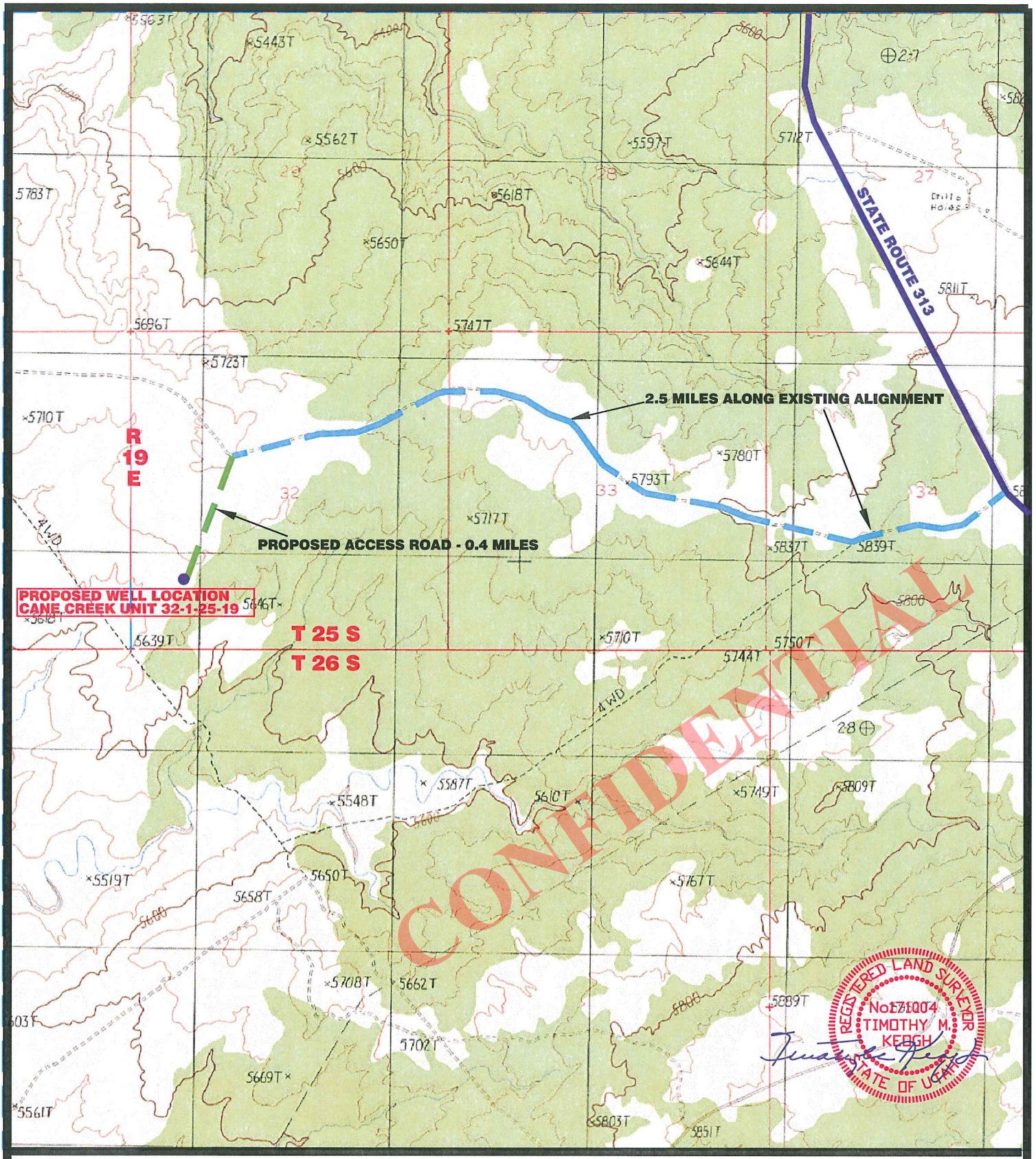
**CANE CREEK UNIT 32-1-25-19**

WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH

*KEOGH LAND SURVEYING*

45 EAST CENTER STREET MOAB, UTAH, 84532

API Well Number: 43019500370000




LEGEND

- PROPOSED WELL
- PROPOSED ACCESS TO SUBJECT WELL
- ROAD TO OTHER WELLS
- EXISTING ROAD TO BE IMPROVED

*TOPOGRAPHIC MAP "B"*

| | | |
|---|---|---|
| DRAWN BY: TMK | REVISED: | DATE: 9-17-13 |
| | | SCALE: 1"=2000' |
| | | SURVEYED 9-13-13 |

*FIDELITY EXPLORATION & PRODUCTION CO.*

PROPOSED ACCESS TO

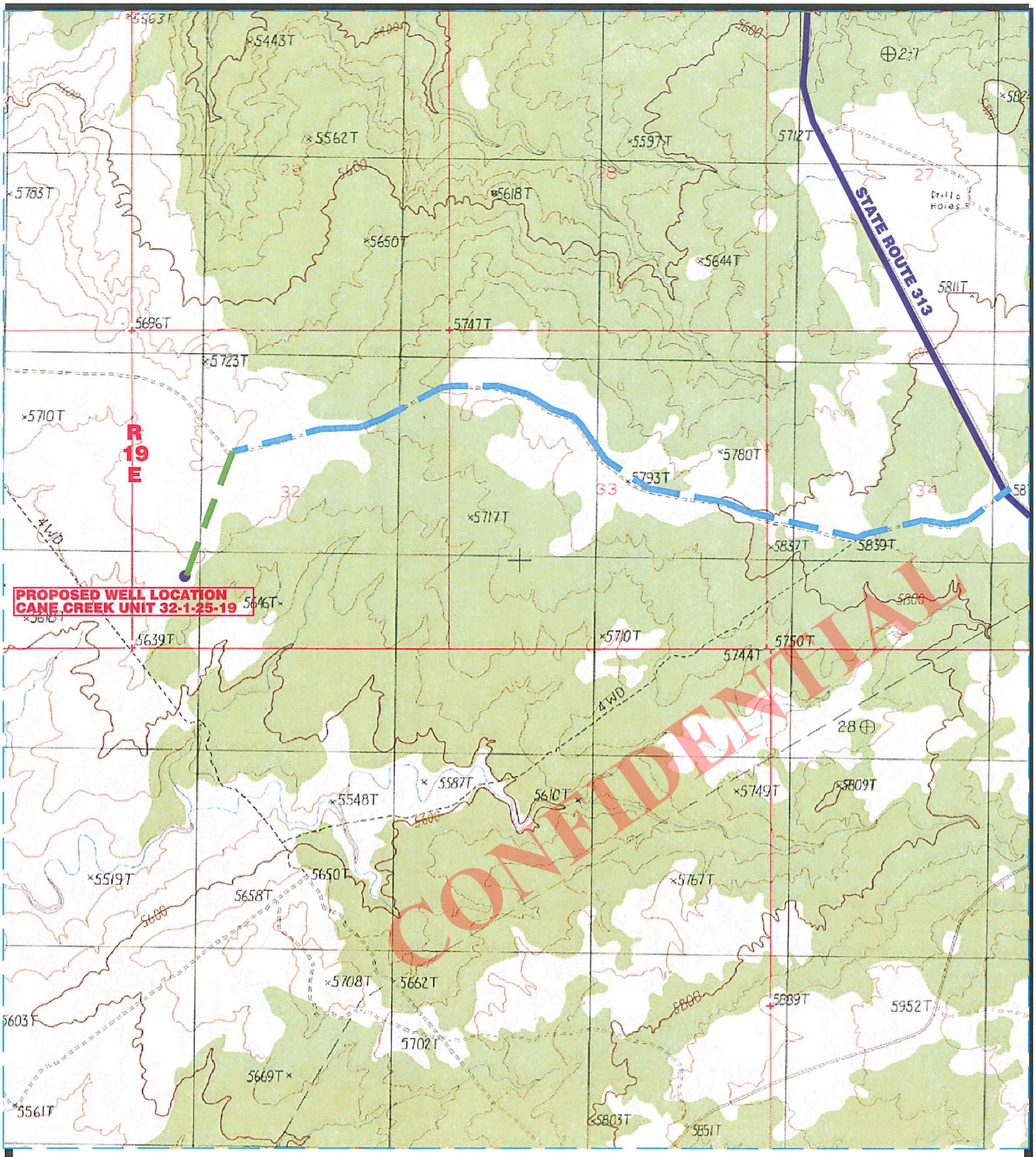
**CANE CREEK UNIT 32-1-25-19**

WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH

*KEOGH LAND SURVEYING*

45 EAST CENTER STREET MOAB, UTAH, 84532

API Well Number: 43019500370000




LEGEND

- PROPOSED WELL
- PROPOSED ACCESS TO SUBJECT WELL
- ROAD TO OTHER WELLS
- EXISTING ROAD TO BE IMPROVED

*TOPOGRAPHIC MAP "C"*

| | |
|---|---|
| DATE: 9–17–13 | |
| SCALE: 1"=2000' | |
| DRAWN BY: TMK | REVISED: |
| SURVEYED 9–13–13 | |

*FIDELITY EXPLORATION & PRODUCTION CO.*

PROPOSED ACCESS TO

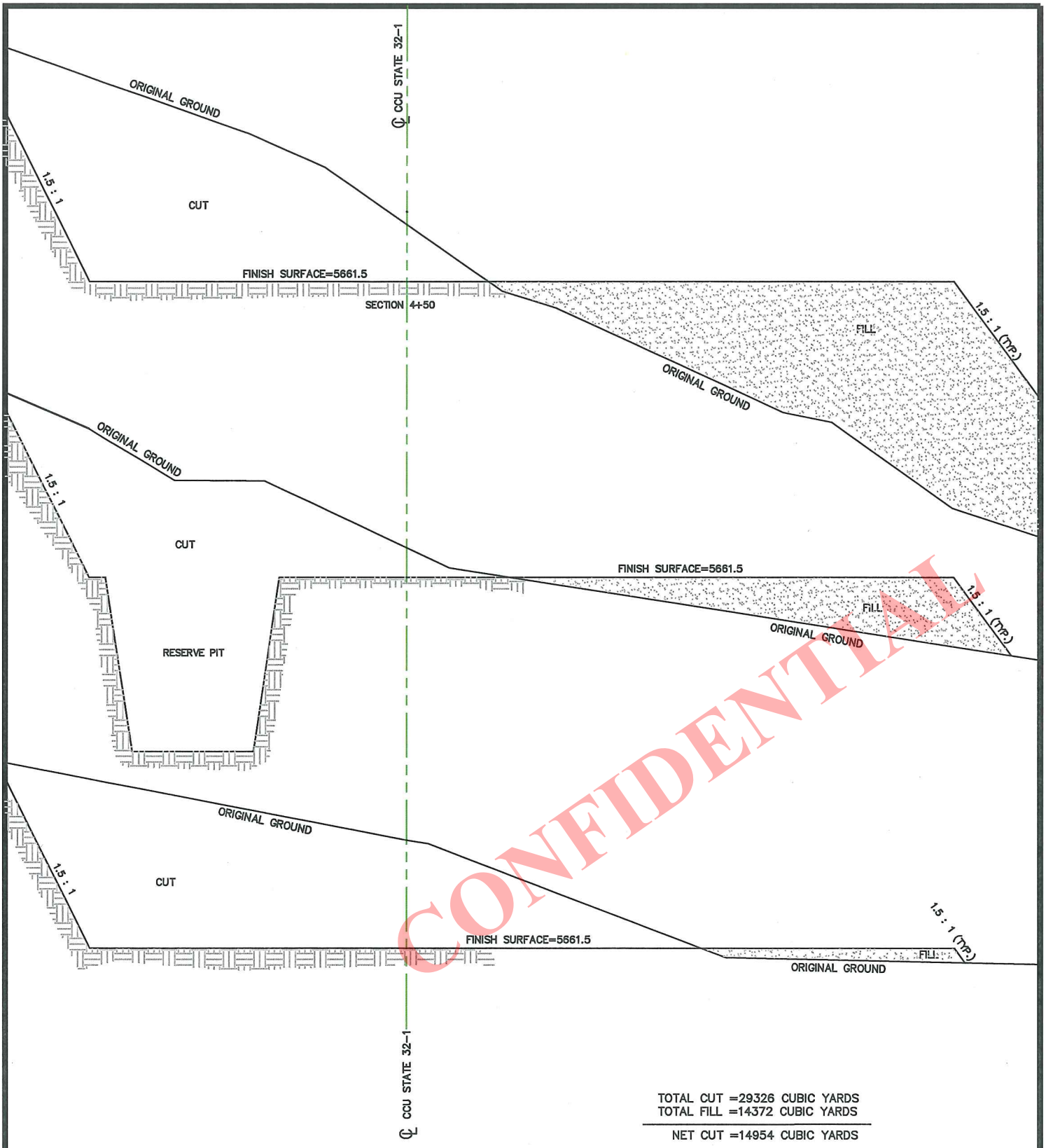
**CANE CREEK UNIT 32-1-25-19**

WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH

*KEOGH LAND SURVEYING*

45 EAST CENTER STREET MOAB, UTAH, 84532

API Well Number: 43019500370000






TOTAL CUT =29326 CUBIC YARDS
TOTAL FILL =14372 CUBIC YARDS

NET CUT =14954 CUBIC YARDS

ELEVATION OF ORIGINAL GROUND AT LOCATION STAKE=5662.5
FINISHED GRADE ELEVATION AT LOCATION STAKE =5661.5

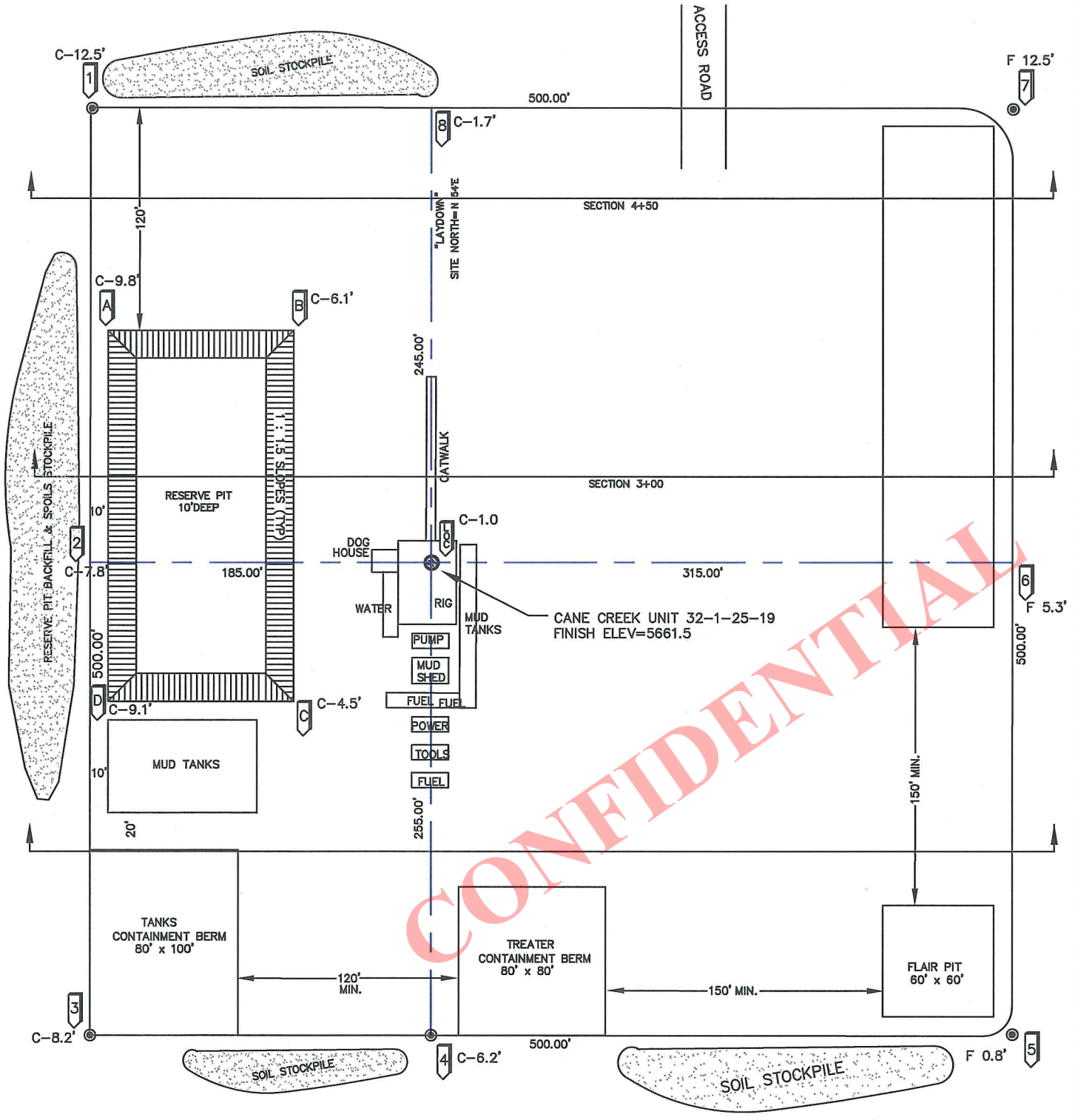
REGISTERED LAND SURVEYOR
No171004
TIMOTHY M.
KEOGH
STATE OF UTAH

SEPT. 20, 2013

*KEOGH LAND SURVEYING*
45 EAST CENTER STREET MOAB, UTAH, 84532

LOCATION LAYOUT FOR
CANE CREEK UNIT 32-1-25-19
WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH
PREPARED FOR
*FIDELITY EXPLORATION & PRODUCTION CO.*

API Well Number: 43019500370000






ELEVATION OF ORIGINAL GROUND AT LOCATION STAKE=5662.5
FINISHED GRADE ELEVATION AT LOCATION STAKE =5661.5

TOTAL CUT =29326 CUBIC YARDS
TOTAL FILL =14372 CUBIC YARDS

NET CUT =14954 CUBIC YARDS

SCALE: 1"=60'

REGISTERED LAND SURVEYOR No171004 TIMOTHY M. KEOGH STATE OF UTAH

SEPT. 20, 2013

KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532

LOCATION LAYOUT FOR
CANE CREEK UNIT 32-1-25-19
WITHIN SECTION 32, T 25 S, R 19 E, SLM, GRAND COUNTY, UTAH
PREPARED FOR
FIDELITY EXPLORATION & PRODUCTION CO.

API Well Number: 43019500370000

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Fidelity

**Rev 0**

PATHFINDER A Schlumberger Company

| WELL | FIELD | STRUCTURE |
|---|---|---|
| CCU 32-1-25-19H | Grand County, UT | Fidelity (CCU 32-1-25-19H) |

| Magnetic Parameters | | | | | | Surface Location | | | | | | Miscellaneous | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model: | BGGM 2013 | Dip: | 64.580° | Date: | September 10, 2013 | Lat: | N 38 34 56.710 | Northing: | 95065.40 ftUS | Grid Conv: | 1.055° | Slot: | CCU 32-1-25-19H | TVD Ref: | RKB(5692ft above Mean Sea Level) |
| | | Mag Dec: | 10.798° | FS: | 51196.9nT | Lon: | W 109 51 10.451 | Easting: | 2470904.30 ftUS | Scale Fact: | 1.00013540 | Plan: | CCU 32-1-25-19H R0 mdv 10Sep13 | Plan Date: | September 10, 2013 |

# Proposal


Quality Control
Date Drawn: September 10, 2013 09:22:33 AM
Drawn by: Matt VanderSchaaf
Checked by:
Client OK:

True North
Tot Corr (M->T 10.7982°)
Mag Dec (10.798°)
Grid Conv (1.055°)






**Surface Location**

Northing: 95065.40 Easting: 2470904.30

| Target Description | | | | Grid Coord | | | Local Coord | |
|---|---|---|---|---|---|---|---|---|
| Target Name | Shape | Major Axis | N(+)/S(-) | E(+)/W(-) | TVD | VSec | N(+)/S(-) | E(+)/W(-) |
| CCU 32-1-25-19H PBHL/TD | Point | 0.00 | 98568.40 | 2474540.60 | 7454.00 | 5048.45 | 3434.99 | 3699.69 |
| CCU 32-1-25-19H Landing Point | Point | 0.00 | 95481.60 | 2471336.40 | 7446.00 | 599.86 | 408.12 | 439.63 |

**Critical Points**

| Critical Point | MD | INCL | AZIM | TVD | VSEC | N(+) / S(-) | E(+) / W(-) | DLS |
|---|---|---|---|---|---|---|---|---|
| Surface | 0.00 | 0.00 | 47.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| KOP, Build 9.54°/100' | 6845.10 | 0.00 | 47.12 | 6845.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landing Point, Hold to TD | 7787.91 | 89.90 | 47.12 | 7446.00 | 599.82 | 408.12 | 439.57 | 9.54 |
| CCU 32-1-25-19H PBHL/TD | 12236.56 | 89.90 | 47.12 | 7454.00 | 5048.45 | 3434.99 | 3699.69 | 0.00 |

FIDELITY
Exploration & Production Company

# SURFACE USE PLAN

| | |
|---|---|
| **Name of Operator** | Fidelity Exploration & Production Company |
| **Address:** | 1700 Lincoln Street, Suite 2800<br>Denver, CO 80203 |
| **Well Location:** | **Cane Creek Unit 32-1-25-19**<br>1114' FSL & 858' FWL,<br>SWSW, Section 32, T25S, R19E<br>Grand County, UT |

The proposed Cane Creek Unit 32-1-25-19 well site will be located on surface and minerals owned by the State of Utah and managed by the School and Institutional Trust Lands Administration (SITLA). Fidelity does not anticipate any additional disturbance beyond the access road and original well pad dimensions. However, any additional construction work will be accomplished in coordination with the State and a Sundry Notice will be submitted to the State prior to construction of any new surface disturbance activity on State surface not specified in this document.

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating any additional construction activities. The State of Utah Authorized Officer will be notified at lease 48 hours prior to beginning drilling and/or additional facilities construction for scheduling of a preconstruction meeting.



1. Location of Existing Roads:

   a. The well pad is located approximately 26 miles west of Moab, Utah.

   b. Directions to the location from Moab, Utah are as follows:

      Proceed northwest on Highway 191 for 11.2 miles. Turn left onto Highway 313 and proceed southwest 12 miles. Turn right onto access road and proceed 2.5 miles to pad location. For location of access roads, see Map A & B.

   c. All existing roads will be maintained and kept in good repair during all phases of operation.

   d. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

2. New or Reconstructed Access Roads:

   a. Approximately 0.4 miles of new access road will be constructed for the drilling of this well

   b. Surface disturbance and vehicular travel will be limited to the approved location access road.

   c. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

   a. There are no existing wells within a one-mile radius of the proposed Cane Creek Unit 32-1-25-19 location.

4. Location of Existing and/or Proposed Production Facilities:

   a. All permanent structures will be painted a flat, non-reflective Juniper Green or Beetle Green to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

   b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.

   c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

   d. A tank battery will be constructed on this well site; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.

   e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.

   f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.

   g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

   h. A pipeline corridor has been considered for this well and will be applied for once production is achieved.

5. Location and Type of Water Supply:

   a. The water supply for construction, drilling and operations will be provided under a direct purchase agreement with the City of Moab municipal water supply.

   b. No water pipelines will be laid for this well.

   c. No water well will be drilled for this well.

   d. Drilling water for this well will be hauled on the road(s) shown.

   e. Should additional water sources be pursued they will be properly permitted through the State of Utah – Division of Water Rights.

6. Source of Construction Material:

   a. The use of materials will conform to 43 CFR 3610.2-3.

   b. No construction materials will be removed from BLM lands.

   c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Ancillary Facilities:

   a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

   b. No camps or airstrips are proposed with this application.

8. Well Site Layout:

   a. The well will be properly identified in accordance with 43 CFR 3162.6.

   b. The existing access to the well pad will be from the east.

   c. The pad and road designs are consistent with BLM specifications.

   d. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

   e. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a discontinuous windrow on the side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss, sterilization and contamination.

   f. Pits will remain fenced until site cleanup.

g. The blooie line will be located at least 100 feet from the well head.

h. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

9. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

a. Multiple wells are planned for the Cane Creek Unit 32-1-25-19 location. Upon drilling of the final well for this pad, interim site reclamation will be accomplished for portions of the site not required for the continued operation of the wells.

b. Upon final well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.Once the reserve pit is dry, the nylon reinforced plastic liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.

c. Following BLM published Best Management Practices interim reclamation will be completed following completion of the final well to reestablish vegetation, reduce dust and erosion, and complement the visual resources of the area.

1. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.

2. The area outside of the rig anchors and other disturbed areas not needed for the operation of the wells will be re-contoured to blend with the surrounding area and reseeded with the following native grass seeds:

| *Species of Seed* | *Broadcast Application Rate (lbs/ac)* | *App. Rate PLS (lbs/ac)* |
|---|---|---|
| **Blue Gramma** | 5 | 3 |
| **Galleta** | 2 | 2 |
| **Indian Ricegrass** | 3 | 2 |
| **Bottlebrush Squirreltail** | 1 | 1 |
| | Total: 11 | Total: 8 |

3. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.

d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office.

e. Prior to final abandonment of the site, all disturbed areas, including the access road, will

be scarified and left with a rough surface. The site will then be seeded as described above.

f. A final abandonment notice will be submitted to the State when the reclamation activities (as presented in this document) are complete and new vegetation is established. Should there be any deviation from these planned reclamation activities, the surface owner will be notified and a Sundry Notice will be submitted to the State for approval of the new closure and reclamation activities.

10. Surface and Mineral Ownership:

a. Surface Ownership – State of Utah.
b. Mineral Ownership – State of Utah.

11. Other Information:

Company Representatives:

Bruce Houtchens
Drilling and Completion Manager
1700 Lincoln St. Suite 2800
Denver, CO 80203
(713) 351-1950-Direct line
(281) 217-6452 Cell
Bruce.houtchens@fidelityepco.com

Will Alexander
Sr. Drilling Engineer
1700 Lincoln St. Suite 2800
Denver, CO 80203
(720) 917-3025-Direct line
(303) 819-5461 Cell
William.alexander@fidelityepco.com

Joy Gardner – Sr. Engineering Tech
Fidelity Exploration & Production Company
1700 Lincoln St. Suite 2800
Denver, CO, 80203
(720) 956-5763 - Direct line
Joy.gardner@fidelityepco.com

FIDELITY
Exploration & Production Company

# WASTE MANAGEMENT PLAN

**Name of Operator:** Fidelity Exploration & Production Company

**Address:** 1700 Lincoln Street, Suite 2800
Denver, CO 80203

**Well Location:** **Cane Creek Unit 32-1-25-19**
1114' FSL & 858' FWL,
SWSE, Section 2, T25S, R18E
Grand County, UT

For the Cane Creek Unit 32-1-25-19 well, Fidelity will drill with air to a depth of 4,573 feet and then drill with oil based mud (OBM) from 4,573 to 12,237 feet (TD). Approximately 185 cubic yards of air based cuttings will be generated and disposed into the reserve pit. The reserve pit will be lined with 24 mil minimum thickness, nylon reinforced, plastic liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during drilling and completion operations. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

OBM will be provided by National Oilwell Varco, Moab, UT, and stored in 400 barrel frac tanks on location. When the OBM is returned to the surface, solids control equipment will be used to remove OBM from the cuttings for reuse. Shale shakers, drying shakers, and a vertical cuttings dryer will be used in series for OBM removal. The dried cuttings will be dumped into a small shale bin and later transferred to a large shale bin for mix-off with saw dust, as necessary, and storage prior to hauling. OBM materials will be stored on location for roughly 25 to 30 days.

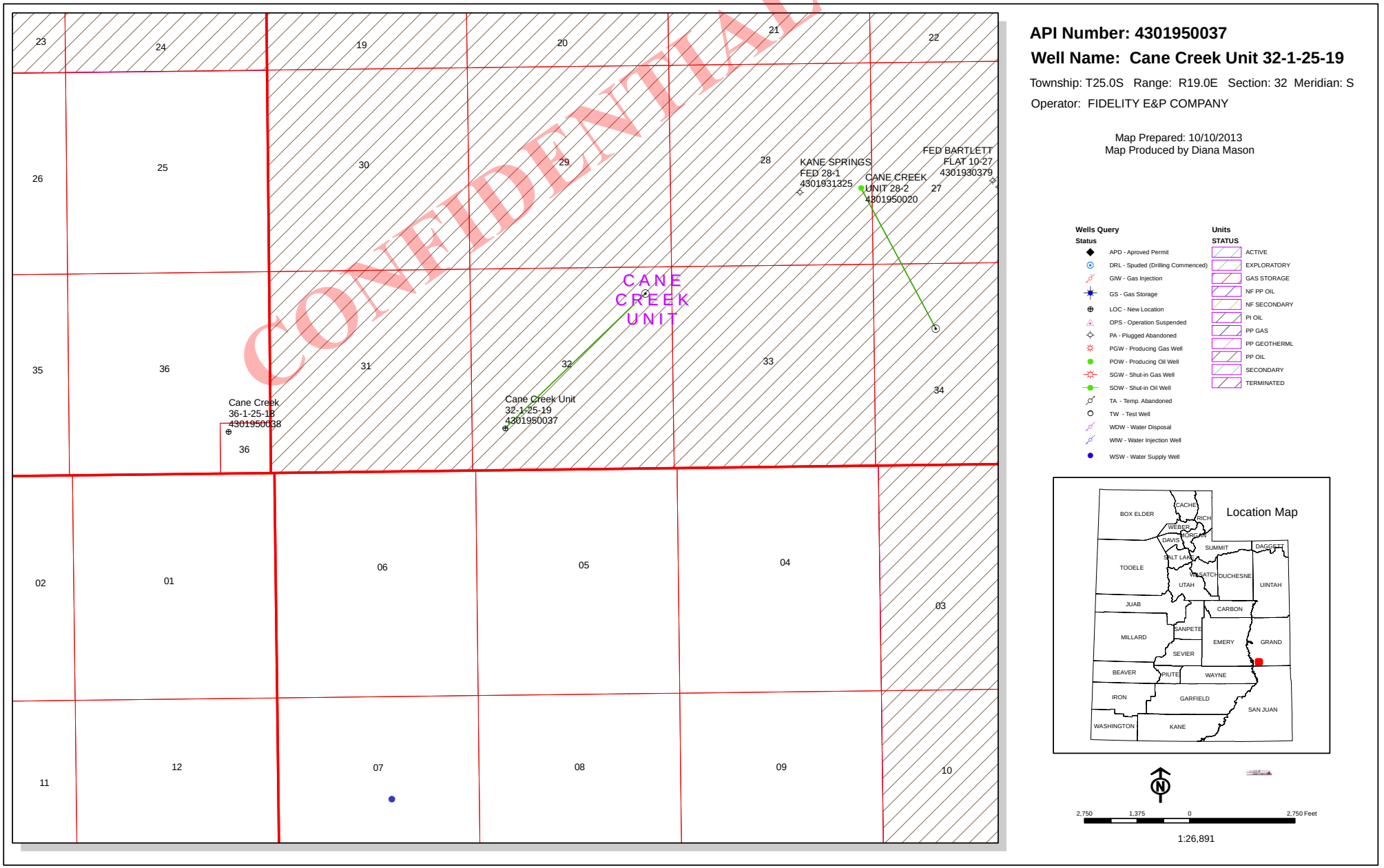
Roughly 112 cubic yards of OBM cuttings will be generated at the Cane Creek Unit 32-1-25-19. All OBM cuttings will be disposed at Klondike Flats Class I Landfill. The Klondike facility is owned and operated by Solid Waste Management Special Service District #1, P.O. Box 980, Moab, UT 84532, and is located approximately 20 miles north of Moab, off of Highway 191.

Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed. After initial well clean-up, a 400 barrel tank will be installed to contain produced wastewater. This water will be transported from the tank to an approved disposal facility. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet. The portable chemical toilet will be replaced periodically utilizing a licensed contractor. The contractor will transport the toilet to the Grand County Wastewater Treatment Facility for clean-out in accordance with state and county regulations.

Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary, but no later than at the completion of drilling operations. The contents of the trash container will be hauled to the approved Grand County facility, Bob's Sanitation, Moab, Utah.

API Well Number: 43019500370000




**API Number: 4301950037**

**Well Name: Cane Creek Unit 32-1-25-19**

Township: T25.0S Range: R19.0E Section: 32 Meridian: S

Operator: FIDELITY E&P COMPANY

Map Prepared: 10/10/2013
Map Produced by Diana Mason

**Wells Query**
**Status**
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

**Units**
**STATUS**
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED




2,750 1,375 0 2,750 Feet

1:26,891

RECEIVED: October 10, 2013

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

**Utah State Office**
**440 West 200 South, Suite 500**
**Salt Lake City, UT 84101**

**IN REPLY REFER TO:**
**3160**
**(UT-922)**

October 24, 2013

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Cane Creek Unit,
Grand and San Juan Counties, Utah.



Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Cane Creek Unit, Grand and San Juan Counties, Utah.

| API # | WELL NAME | LOCATION |
|---|---|---|
| Proposed PZ CANE CREEK) | | |
| 43-019-50036 | CCU 2-1-25-18 | Sec 02 T25S R18E 0768 FSL 2390 FEL |
| | Lateral 1 | Sec 02 T25S R18E 0680 FNL 0742 FWL |
| (Proposed PZ Clastic 18/19 TVD 7446') | | |
| 43-019-50037 | CCU 32-1-25-19 | Sec 32 T25S R19E 1114 FSL 0858 FWL |
| | Lateral 1 | Sec 32 T25S R19E 0685 FNL 0694 FEL |

This office has no objection to permitting the wells at this time.

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management, ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.10.24 14:20:17 -06'00'

bcc: File – Cane Creek Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-24-13

RECEIVED: October 24, 2013

API Well Number: 43019500370000

**BOPE REVIEW FIDELITY E&P COMPANY ane Creek Unit 32-1-25-19 43019500370000**

| Well Name | FIDELITY E&P COMPANY Cane Creek Unit 32-1-25-19 43019500370 | | | |
|---|---|---|---|---|
| String | Cond | Surf | I1 | Prod |
| Casing Size(") | 20.000 | 13.375 | 9.625 | 7.000 |
| Setting Depth (TVD) | 90 | 1070 | 4180 | 7455 |
| Previous Shoe Setting Depth (TVD) | 0 | 90 | 1070 | 4180 |
| Max Mud Weight (ppg) | 8.3 | 9.0 | 9.0 | 16.5 |
| BOPE Proposed (psi) | 0 | 500 | 10000 | 10000 |
| Casing Internal Yield (psi) | 1000 | 2730 | 5750 | 11220 |
| Operators Max Anticipated Pressure (psi) | 5600 | | | 14.4 |

| Calculations | Cond String | 20.000 | " | |
|---|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 39 | | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? | |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 28 | NO | air drill |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 19 | NO | |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? | |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 19 | NO | |
| Required Casing/BOPE Test Pressure= | | 90 | psi | |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 0 | psi | *Assumes 1psi/ft frac gradient |

| Calculations | Surf String | 13.375 | " | |
|---|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 501 | | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? | |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 373 | YES | air/mist |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 266 | YES | OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? | |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 285 | NO | OK |
| Required Casing/BOPE Test Pressure= | | 1070 | psi | |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 90 | psi | *Assumes 1psi/ft frac gradient |

| Calculations | I1 String | 9.625 | " | |
|---|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 1956 | | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? | |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 1454 | YES | air/mist |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 1036 | YES | OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? | |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 1272 | NO | OK |
| Required Casing/BOPE Test Pressure= | | 4025 | psi | |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 1070 | psi | *Assumes 1psi/ft frac gradient |

| Calculations | Prod String | 7.000 | " | |
|---|---|---|---|---|
| Max BHP (psi) | .052*Setting Depth*MW= | 6396 | | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? | |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 5501 | YES | 10M BOPE w/rotating head, 5M annular, |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 4756 | YES | double rams, blind rams |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? | |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 5676 | NO | OK |
| Required Casing/BOPE Test Pressure= | | 7455 | psi | |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 4180 | psi | *Assumes 1psi/ft frac gradient |

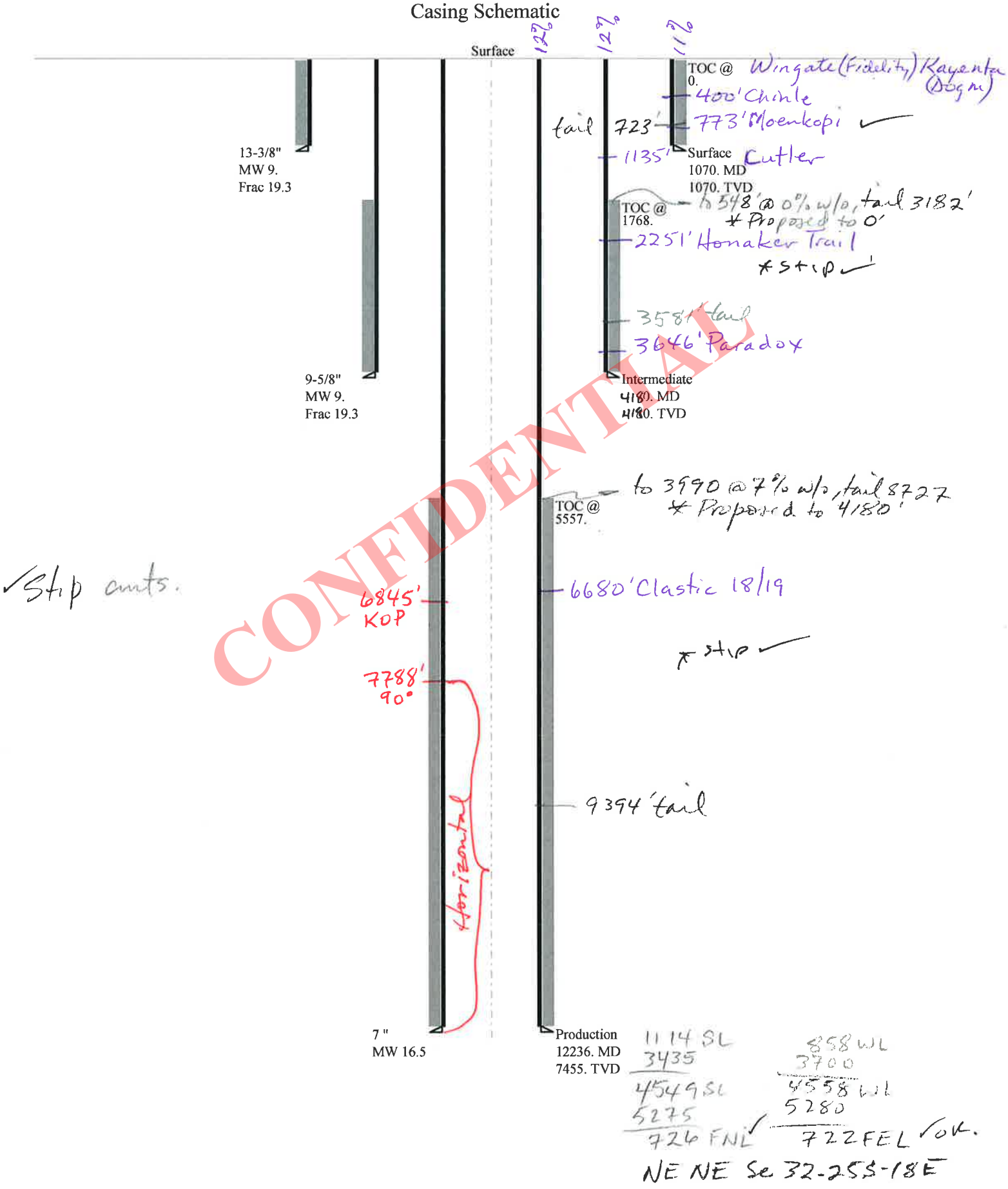


RECEIVED: November 18, 2013

API Well Number: 43019500370000

# 43019500370000 Cane Creek 32-1-25-18

## Casing Schematic



API Well Number: 43019500370000

| | |
|---|---|
| Well name: | **43019500370000 Cane Creek 32-1-25-18** |
| Operator: | **FIDELITY E&P COMPANY** |
| String type: | Surface |
| Project ID: | 43-019-50037 |
| Location: | GRAND COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 942 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,070 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 928 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

**Non-directional string.**

**Re subsequent strings:**
Next setting depth: 3,950 ft
Next mud weight: 9.000 ppg
Next setting BHP: 1,847 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,070 ft
Injection pressure: 1,070 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1070 | 13.375 | 54.50 | J-55 | Buttress | 1070 | 1070 | 12.49 | 14209 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 500 | 1130 | 2.259 | 1070 | 2730 | 2.55 | 58.3 | 853.2 | 14.63 B |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 13,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1070 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

API Well Number: 43019500370000

| | |
|---|---|
| Well name: | **43019500370000 Cane Creek 32-1-25-18** |
| Operator: | **FIDELITY E&P COMPANY** |
| String type: | Intermediate |
| Project ID: | 43-019-50037 |
| Location: | GRAND COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 3,260 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,180 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 3,620 ft

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 133 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 1,998 ft

**Non-directional string.**

**Re subsequent strings:**
Next setting depth: 7,455 ft
Next mud weight: 16.500 ppg
Next setting BHP: 6,390 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 4,180 ft
Injection pressure: 4,180 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4180 | 9.625 | 40.00 | L-80 | Buttress | 4180 | 4180 | 8.75 | 64004 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1954 | 3090 | 1.581 | 4180 | 5750 | 1.38 | 167.2 | 916.3 | 5.48 B |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 13,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 4180 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

API Well Number: 43019500370000

| | |
|---|---|
| Well name: | **43019500370000 Cane Creek 32-1-25-18** |
| Operator: | **FIDELITY E&P COMPANY** |
| String type: | Production |
| Project ID: | 43-019-50037 |
| Location: | GRAND COUNTY |

**Design parameters:**

**Collapse**
Mud weight: 16.500 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 4,750 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,390 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,670 ft

Estimated cost: 151,509 ($)

**Environment:**
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 178 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 5,557 ft

**Directional Info - Build & Hold**
Kick-off point 6845 ft
Departure at shoe: 5048 ft
Maximum dogleg: 9.53 °/100ft
Inclination at shoe: 89.89 °



| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost ($) |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 4000 | 7 | 29.00 | P-110 | Buttress | 4000 | 4000 | 6.059 | 48338 |
| 2 | 3100 | 7 | 32.00 | HCP-110 | Buttress | 7092 | 7100 | 6 | 41104 |
| 1 | 5136 | 7 | 29.00 | P-110 | Buttress | 7455 | 12236 | 6.059 | 62067 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 3429 | 8214 | 2.396 | 5630 | 11220 | 1.99 | 225.5 | 929.4 | 4.12 B |
| 2 | 6079 | 10277 | 1.690 | 6310 | 11640 | 1.84 | 109.5 | 1024.9 | 9.36 B |
| 1 | 6390 | 8530 | 1.335 | 6390 | 11220 | 1.76 | 10.5 | 929.4 | 88.50 B |

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 13,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 7455 ft, a mud weight of 16.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

API Well Number: 43019500370000

Diana Mason <dianawhitney@utah.gov>

## Cane Creek Unit

**Jeff Conley** <jconley@utah.gov> Wed, Nov 20, 2013 at 4:07 PM
To: joy.gardner@fidelityepco.com, Diana Mason <dianawhitney@utah.gov>, Bradley Hill <bradhill@utah.gov>
Cc: Jim Davis <jimdavis1@utah.gov>

Hello,

The following wells have been approved by SITLA for arch and paleo with the requirement that a paleo inspection be conducted after well pad is constructed and prior to installation of any pit liners.

(4301950037) Cane Creek Unit 32-1-25-19
(4301950038) Cane Creek Unit 36-1-25-18

Thanks,

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
801-538-5157



RECEIVED: November 20, 2013

# ON-SITE PREDRILL EVALUATION
## Utah Division of Oil, Gas and Mining

**Operator** FIDELITY E&P COMPANY
**Well Name** Cane Creek Unit 32-1-25-19
**API Number** 43019500370000 **APD No** 8697 **Field/Unit** CANE CREEK
**Location: 1/4,1/4** SWSW **Sec** 32 **Tw** 25.0S **Rng** 19.0E 1114 FSL 858 FWL
**GPS Coord (UTM)** **Surface Owner**

**Participants**

Bart Kettle-DOGM, Nicole Nielson-UDWR, Jim Davis-SITLA, Charlie Harrison-Harrison Oil Field Services, Joy Gardner-Fidelity E&P, Dina Brown-Fidelity E&P Company, Ben Briggs-Fidelity E&P.

**Regional/Local Setting & Topography**

Proposed project site is located ~19 miles northwest of Moab Utah, in Grand County Utah. On a regional setting the proposed project is located in the Canyonlands Region of the Colorado Plateau. The Canyonlands Region is renowned for its red rock canyons and spectacular views. Tourism is a growing industry in the region. In close proximity to the proposed project site, Dead Horse State Park, Aches National Park and Canyonlands National Park are popular destinations along with the community of Moab Utah. On a local scale the proposed project site is located near Mineral Canyon. Local points of interest include: Gemini Arch, Gemini Bridges, Arths Pasture, Seven mile Canyon, Long Canyon, Dead Horse Point, Horsetheif Point, Mineral Bottoms, Islands in the Sky, Hell Roaring Canyon, Courthouse Rock and Dubinky Point. Topography is typical of the Canyonlands Region: a series of large sandy mesa's abruptly falling off into steep canyons comprised of alternating layers of sandstone and shale. Climatic conditions within the region are arid, and vegetation is typically sparse. The proposed project site is located on a gentle slope consisting of sandy loam soils deposited on sandstone bedrock. Precipitation is considered a 10-12" precept zone. Soils are dominated by Eolian deposits and are predominantly unstable sands and sandy loams. Vegetation would be described as Pinion-Juniper Woodlands and black brush communities. Water drainage is to the southwest, entering Mineral Canyon within two miles and the Colorado River within nine miles. No perennial water sources where observed in close proximity to the project site.



**Surface Use Plan**

**Current Surface Use**
Grazing
Recreational
Wildlfe Habitat

| New Road Miles | Well Pad | Src Const Material | Surface Formation |
|---|---|---|---|
| 0.25 | **Width** 500 **Length** 500 | | NAVWN |

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** Y

Ephemeral drainage dissecting proposed project site

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**Flora / Fauna**

Flora
Grass: Indian rice grass.
Forbs: Canaigre, annual mustard spp.
Shrubs: Black brush, broom snake weed, cliffrose, single leaf ash.
Trees: Utah Juniper, pinion pine.
Succulents: Prickly pear cactus spp.

Fauna: Mule deer, big horn sheep, coyote, kit fox, gray fox. Seasonal use by migrating birds such as sage sparrow, cassin finch, house finch, pinion jay, white crowned sparrow, gray crowned rosy finch, blue gray knat catcher, Bewick's wren, black throated sparrow, black capped chickadee, Brewers sparrow, bushtit, western kingbird, chipping sparrow, common nighthawk, Coppers hawk, sharp shin hawk, red tailed hawk, ruff legged hawk, golden eagle, turkey vulture, Downey wood pecker, juniper titmouse, northern shrike, mountain bluebird, mourning dove, pine siskin, sage thrasher, western blue bird, and western meadow lark. . Host of small rodents and reptiles possible such as: Black tailed rabbit, cottontail rabbit, woodrat spp, kangaroo rat spp., deer mouse, pinion mouse, rock squirrel, spotted skunk, and antelope squirrel.

**Soil Type and Characteristics**

Reddish orange sands and sandy loams.

**Erosion Issues** Y

Soils prone to wind and water erosion once disturbed.

**Sedimentation Issues** N

**Site Stability Issues** N

Provided ephemeral wash is routed around corner #3 site appears suitable for proposed drilling program. Road base may be required on access road and well pad to prevent large dust pockets.

**Drainage Diverson Required?** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** Y

Seeding should be completed outside of anchors within one year following well pad construction.

**Paleo Survey Run?** Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

**Reserve Pit**

| Site-Specific Factors | | Site Ranking |
|---|---|---|
| **Distance to Groundwater (feet)** | >200 | 0 |
| **Distance to Surface Water (feet)** | >1000 | 0 |
| **Dist. Nearest Municipal Well (ft)** | >5280 | 0 |
| **Distance to Other Wells (feet)** | >1320 | 0 |
| **Native Soil Type** | High permeability | 20 |



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| | | | |
|---|---|---|---|
| **Fluid Type** | Oil Base Mud Fluid | 15 | |
| **Drill Cuttings** | Salt or Detrimental | 10 | |
| **Annual Precipitation (inches)** | 10 to 20 | 5 | |
| **Affected Populations** | | | |
| **Presence Nearby Utility Conduits** | Not Present | 0 | |
| | **Final Score** | 50 | 1 Sensitivity Level |

**Characteristics / Requirements**

Proposed drilling system includes the use of a oil based mud drilling system to stabilize hole through Paradox salt zones. As such a reserve pit is being proposed along with a closed loop drilling system for oil based drilling mediums.

Proposed drilling program includes a vertical hole followed by a lateral. Duration to complete drilling program is anticipated to exceed 30 days. Due to prolonged drilling program pit liners shall be inspected weekly to assure integrity.

Reserve pit fluids at sites with comparable drilling programs within the Paradox formation have had TDS in excess of 50,000 mg/l. Additional reclamation steps may be required for materials high in chlorides. Precautions should be taken while drilling to assure salt or detrimental cuttings are not mixed with normal rock cuttings.

Surface formations are members of the Glen Canyon group and are capable of containing fresh water aquifers. Permeability of soils and underlying sandstones is medium to high. Pit liner of 24 ml for reserve pit shall be properly installed with bedding of sand or felt. Tanks and handling equipment containing oil based drilling materials should be underlain with a 20 mil synthetic liner as secondary containment.

**Closed Loop Mud Required?** Y **Liner Required?** Y **Liner Thickness** 24 **Pit Underlayment Required?** Y



**Other Observations / Comments**

Access road is proposed as a 14' running surface with turnouts. Minimal construction will be completed until well is deemed capable of commercial production. Pit run will be placed at wash crossing and portions of road requiring maintenance during drilling operations.

DOGM noted significant concerns regarding reserve/cuttings pit lining, management and reclamation. Pit contents with TDS in excess of 50,000 mg/l are possible, as such additional stipulations and precautions will be required.

Top 6-12" of top soils should be saved and stockpile on the east and southern sides of the well pad. All disturbed soils shall be seeded within 12 months of disturbance.

| | |
|---|---|
| Bart Kettle | 10/21/2013 |
| **Evaluator** | **Date / Time** |

RECEIVED: November 25, 2013

# Application for Permit to Drill
# Statement of Basis
## Utah Division of Oil, Gas and Mining

| APD No | API WellNo | Status | Well Type | Surf Owner | CBM |
|---|---|---|---|---|---|
| 8697 | 43019500370000 | LOCKED | OW | S | No |
| **Operator** | FIDELITY E&P COMPANY | | **Surface Owner-APD** | | |
| **Well Name** | Cane Creek Unit 32-1-25-19 | | **Unit** | CANE CREEK | |
| **Field** | CANE CREEK | | **Type of Work** | DRILL | |
| **Location** | SWSW 32 25S 19E S 1114 FSL 858 FWL GPS Coord (UTM) 599859E 4271052N | | | | |

**Geologic Statement of Basis**

Fidelity E&P Company proposes to drill the well to a total depth of 7,454' and plans to set surface casing from 0'-1,070'. The surface string will be drilled using an air mist. The proposed well would be spud in sandy soil that has been developed from the erosion of the Kayenta formation, which is exposed at the surface at this location. The well location is approximately one-quarter mile from the axis of the Cane Creek Anticline. It is reasonable to expect fractures & joints that may result in zones of lost circulation during drilling. There are no underground water rights within one mile of the proposed location. It is unlikely that fresh water will be encountered, at this location, in the Wingate Aquifer. The proposed casing and cementing program should adequately protect any useable groundwater resources encountered during the drilling of this well.

Ammon McDonald — **APD Evaluator**

11/7/2013 — **Date / Time**



**Surface Statement of Basis**

On-site evaluation conducted October 21, 2013. In attendance: Bart Kettle-DOGM, Nicole Nielson-UDWR, Jim Davis-SITLA, Charlie Harrison-Harrison Oil Field Services, Joy Gardner-Fidelity E&P, Dina Brown-Fidelity E&P Company, Ben Briggs-Fidelity E&P.

Proposed project is located in an environmentally sensitive region. National Parks, slick rock trails, river rafting and scenic views attract thousands of tourist to the region annually. Due to awareness of mineral exploration in the area it is reasonable to expect scrutiny of drilling operations for proposed project. Operator instructed to monitor drilling operations and ROW activity closely. Problems should be addressed immediately. Steps to limit activity during peak tourist season, and hours of the day are recommended.

DOGM is requiring additional precautions for reserve pit and handling of salt laden and oil base mud cuttings. Slopes of pit walls should not exceed 2:1. Pits shall be lined as determined by site evaluation ranking. The geomembrane shall consist of 24 mil string reinforced LDPE or equivalent liner for reserve pit. The geomembrane liner should be composed of an impervious synthetic material resistant to hydrocarbons, salts and alkaline solutions.

Tanks and equipment handling or storing oil based drilling mediums and chloride laden cuttings will require 20 mil string reinforced geomembrane liner. Liner should be placed over prepared surface containing 12" berms and key trench to secure liner.

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Blasting is anticipated for reserve pit, fractured rock should be properly bedded with sand or a felt liner. Liner edges should be secured. Liner should be protected from fluid force or mechanical damage at points of discharge or suction.

Due to anticipated prolonged drilling operations precautions should be taken to prevent punctures from drilling related activities. Weekly inspection of liner should be conducted and recorded. Surface water run off should not be allowed to enter pits.

While drilling three sides of pits should be fenced. Fencing should include reinforced corner braces, 36" woven net wire on the bottom and two strands of barbed wire on top spaced at 6" apart. Following completion of drilling activities pits will require fencing on the fourth side, removal of free standing oil and netting to prevent entry by water fowl.

Pits will require reclamation to be completed one year following the removal of drilling rig. Reclamation measures shall be submitted to DOGM for approval following analysis of pit contents.

SITLA requesting that top soils be salvaged and stabilized for reclamation.

| | |
|---|---|
| Bart Kettle | 10/21/2013 |
| **Onsite Evaluator** | **Date / Time** |



**Conditions of Approval / Application for Permit to Drill**

| Category | Condition |
|---|---|
| Pits | A geomembrane liner with a minimum thickness of 20 mils shall be properly installed and maintained under tanks and equipment storing or handling oil based drilling fluids or salt laden cuttings. Geomembrane liner shall consist of a string reinforced impervious synthetic material, |
| Pits | A representative sample of drill cuttings shall be collected and analyzed prior to disposal at approved facility. |
| Pits | A closed loop mud circulation system is required while using oil based drilling mediums. |
| Pits | The reserve pit shall be fenced upon completion of drilling operations. Netting will be required over pit if it contains hydrocarbons or RCRA-exempt hazardous substances. |
| Pits | Reserve pit liner shall be protected from fluid force or mechanical damage at points of discharge or suction. |
| Pits | The Division shall be consulted prior to reclamation of reserve pit and drill cuttings. |
| Pits | Weekly inspections of liners shall be conducted and documented until materials are removed, or reserve pit is reclaimed. |
| Pits | Fractured rock in reserve pit area or oil based mud handling areas shall be properly bedded. |
| Pits | Liner edges must be secured. |
| Surface | Access road and well pad shall have fresh water applied to control dust as needed. |
| Surface | Drainages adjacent to the proposed pad shall be diverted around the location. |

RECEIVED: November 25, 2013

API Well Number: 43019500370000

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 10/8/2013 **API NO. ASSIGNED:** 43019500370000

**WELL NAME:** Cane Creek Unit 32-1-25-19

**OPERATOR:** FIDELITY E&P COMPANY (N3155) **PHONE NUMBER:** 720 956-5763

**CONTACT:** Joy Gardner

**PROPOSED LOCATION:** SWSW 32 250S 190E **Permit Tech Review:** ☑

**SURFACE:** 1114 FSL 0858 FWL **Engineering Review:** ☑

**BOTTOM:** 0685 FNL 0694 FEL **Geology Review:** ☑

**COUNTY:** GRAND

**LATITUDE:** 38.58233 **LONGITUDE:** -109.85351

**UTM SURF EASTINGS:** 599859.00 **NORTHINGS:** 4271052.00

**FIELD NAME:** CANE CREEK

**LEASE TYPE:** 3 - State

**LEASE NUMBER:** ML-43565 **PROPOSED PRODUCING FORMATION(S):** PARADOX

**SURFACE OWNER:** 3 - State **COALBED METHANE:** NO



**RECEIVED AND/OR REVIEWED:**

- ☑ **PLAT**
- ☑ **Bond:** STATE - 190017646/104891324
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Municipal
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingling Approved**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**

**Unit:** CANE CREEK

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

**Board Cause No:** R649-3-2

**Effective Date:**

**Siting:**

- ☐ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:**
5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald
23 - Spacing - dmason
27 - Other - bhill

RECEIVED: November 25, 2013

GARY R. HERBERT
*Governor*
SPENCER J. COX
*Lieutenant Governor*

# State of Utah
**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

# Permit To Drill
**********

**Well Name:** Cane Creek Unit 32-1-25-19
**API Well Number:** 43019500370000
**Lease Number:** ML-43565
**Surface Owner:** STATE
**Approval Date:** 11/25/2013

**Issued to:**
FIDELITY E&P COMPANY, 1700 Lincoln Street Ste 2800, Denver, CO 80203

**Authority:**
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the PARADOX Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**
This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3880' MD to achieve 200' overlap.

**Additional Approvals:**
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

**Reporting Requirements:**
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar

month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

For John Rogers
Associate Director, Oil & Gas

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln Street Ste 2800 , Denver, CO, 80203

**PHONE NUMBER:** 720 931-6459 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ✓ SPUD REPORT<br>Date of Spud:<br>2/12/2014 | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Fidelity Exploration and Production Company spud the Cane Creek Unit 32-1-25-19 on February 12, 2014. Set 110 ft of 20" conductor and cemented with 15 yds cement.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
February 28, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Joy Gardner | 720 956-5763 | Sr. Engineering Tech |
| **SIGNATURE** | | **DATE** |
| N/A | | 2/28/2014 |

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln Street Ste 2800 , Denver, CO, 80203

**PHONE NUMBER:** 720 931-6459 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>3/3/2014 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Monthly drilling report

**Accepted by the**
**Utah Division of**
**Oil, Gas and Mining**
**FOR RECORD ONLY**
March 03, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Joy Gardner | 720 956-5763 | Sr. Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 3/3/2014 |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/22/2014**
**Report #: 1, DFS: -3.96**
**Daily Depth Progress:**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/21/2014 06:00 | 2/22/2014 06:00 | -3.96 | 0.0 | 0.0 | |

**Operations at Report Time**
moving rig

**Operations Summary**
rigging down & moving rig

**Operations Next Report Period**
Rig Up & Tear Down

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 12.00 | 12.00 | 1 | rigging down & moving rig, (parts moved - pipe tubs, koomey unit, boiler, 2 pre mix tanks, barite hoppers, gas buster, cat walk, zeco tanks, fuel tank, zeco trailer, shaker skid, ) lowered derrick, squatted sub, pumped off fuel, rigged down equip. | | |
| 18:00 | 12.00 | 24.00 | 22 | Waiting on day light | | |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



**Report Printed: 3/3/2014**

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/23/2014**
**Report #: 2, DFS: -2.96**
**Daily Depth Progress:**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/22/2014 06:00 | 2/23/2014 06:00 | -2.96 | 0.0 | 0.0 | |

Operations at Report Time
rigging up

Operations Summary
Rigging down, moving rig & rigging up

Operations Next Report Period
Rig Up & Tear Down

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 12.00 | 12.00 | 1 | Rigging down, move rig & rigging up, (set up back yard - shaker skid, mud pit, pre mix tanks, zeco trailer, mud pumps, scr house, motors, fuel tank, water tank.) | | |
| 18:00 | 12.00 | 24.00 | 1 | Waiting on day light | | |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1… | Gel (10s) (lbf… | Gel (10m) (lb… | Gel (30m) (lb… | Filtrate (mL/… | FC (1/32") | HTHP Filtrat… | HTHP FC (1… |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr… | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft… | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time… | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



Report Printed: 3/3/2014

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/24/2014**
**Report #: 3, DFS: -1.96**
**Daily Depth Progress:**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/23/2014 06:00 | 2/24/2014 06:00 | -1.96 | 0.0 | 0.0 | |

Operations at Report Time

Operations Summary
Rigging up

Operations Next Report Period
Rig Up & Tear Down

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 12.00 | 12.00 | 1 | Rigging up, (Set mats for subs, set subs, draworks, derrick, HPU, koomey unit, pre heat, barite hoppers, cutting catch tanks, slop tank, cement water tank, spooled up drill line, raised derrick, raised sub, set cat walk) | | |
| 18:00 | 12.00 | 24.00 | 1 | Waiting on day light | | |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



Report Printed: 3/3/2014

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/25/2014**
**Report #: 4, DFS: -0.96**
**Daily Depth Progress:**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/24/2014 06:00 | 2/25/2014 06:00 | -0.96 | 0.0 | 0.0 | |

Operations at Report Time
Picking up pipe

Operations Summary
Rigging up, pick & rack D.C.s & pipe in derrick

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 12.00 | 12.00 | 1 | Rigging up, install new module on mud pump, cut drill line, put wraps back on dead man, scope up derrick, function test top drive, install new mud saver sub & lower kelly valve on top drive, hammer up unions on mud pits, | | |
| 18:00 | 7.00 | 19.00 | 1 | rigging up, install clamps on quil, mud saver sub, lower kelly valve, hyd. hoses, raise v-door & function test, hook up kelly hose, install liners & suction valves in pump #2, bales, elevators, hang tonges, | | |
| 01:00 | 1.50 | 20.50 | 22 | Set racks, load racks with 6 1/2" D.C.s, jars, & 4 1/2" drill pipe, strap & calb. same | | |
| 02:30 | 3.50 | 24.00 | 6 | Pick up & rack in derrick 6 1/2" D.C.s, jars & 4 1/2" drill pipe, drift same | | |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



**Report Printed: 3/3/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/26/2014**
**Report #: 5, DFS: 0.04**
**Daily Depth Progress: 44.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/25/2014 06:00 | 2/26/2014 06:00 | 0.04 | 122.0 | 166.0 | 44.00 |

Operations at Report Time
Drilling

Operations Summary
Pick up pipe, nipple up conductor, bouey line, tighten all flanges, rig up air jammers equip., test lines, repair 2 leaks, retest lines, make up hammer bit, hammer & 3 - 8" drill collars, TAG @ 122ft. repair leak on rotating head, spudwell, air drilling with mist/foam from 122ft. to 166.0'

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 6 | Finish picking up 4 1/2" drill pipe | | |
| 07:00 | 11.00 | 12.00 | 1 | Nipple up 20" conductor, bouey line, water lines & pumps, rig up air jammers equip., | | |
| 18:00 | 4.50 | 16.50 | 1 | Make up rotating head rubber, pump thru air jammer lines, test air jammer lines to 1400psi., repair 2 leaks & retest OK | | |
| 22:30 | 6.50 | 23.00 | 6 | Make up hammer bit, hammer, & 3 - 8" drill collars. (had to lay down 1 - 8" drill collar would not drift) pull rotating head before running bit in hole, replace rotating head, lower TIW valve left closed, had to pull rubber, rack back stand, open valve, install rubber back, start to cir. and rotating head leaking, pull head & re set. | | |
| 05:00 | 1.00 | 24.00 | 2 | Spud well @ 05:00hrs, drilling from 122ft. to 166' ( 1870 cfm ) ( SPP 260 ) | 122.0 | 166.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 122.0 | 687.0 | 565.00 | 2/26/2014 05:00 | 2/26/2014 19:00 | 9.50 | 59.5 | 9.50 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



**Report Printed: 3/3/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/27/2014**
**Report #: 6, DFS: 1.04**
**Daily Depth Progress: 834.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/26/2014 06:00 | 2/27/2014 06:00 | 1.04 | 166.0 | 1,000.0 | 834.00 |

**Operations at Report Time**
Drilling

**Operations Summary**
Air drilling 17 1/2" hole from 166' to 196', blow hole clean, survey @ 122' .95*,drill from 196' to 324' POOH 2 stds. pull rubber, TIH w/2stds, drill collars, install rubber, air drill from 324' to 478', survey @ 447' .45*, drill from 478' to 509', POOH 2 stds, pull rubber, TIH w/2 stds. drill collars, install rubber, air drill from 509' to 687' bit quit, flow tube, POOH, change out bits, TIH, Air drill from 687' to 762', blow hole clean, survey @ 727' .40*, air drill from 762' to 1,000'

**Operations Next Report Period**
Run Casing & Cement

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 2 | Air drill from 166' to 196' CFM 2400 | 166.0 | 196.0 |
| 07:00 | 0.50 | 1.50 | 5 | blow hole clean | 196.0 | 196.0 |
| 07:30 | 0.50 | 2.00 | 10 | survey @ 122', .95* | 196.0 | 196.0 |
| 08:00 | 2.00 | 4.00 | 2 | Air drill from 196' to 324' CFM 2400 | 196.0 | 324.0 |
| 10:00 | 2.00 | 6.00 | 6 | POOH 2stds, pull rubber, YIH w/2 stds. drill collars | 324.0 | 324.0 |
| 12:00 | 2.00 | 8.00 | 2 | Air drill from 324' to 478' CFM 2400 | 324.0 | 478.0 |
| 14:00 | 0.50 | 8.50 | 10 | survey @ 447' .45* | 478.0 | 478.0 |
| 14:30 | 0.50 | 9.00 | 2 | Air drill from 478' to 509' CFM 3600 | 478.0 | 509.0 |
| 15:00 | 1.00 | 10.00 | 6 | POOH 2stds. pull rubber, TIH w/2 stds. drill collars, install rubber | 509.0 | 509.0 |
| 16:00 | 3.00 | 13.00 | 2 | Air drill from 509' to 687', bit quit drilling, flow tubes, CFM 3600 | 509.0 | 687.0 |
| 19:00 | 0.50 | 13.50 | 5 | Blow hole clean | 687.0 | 687.0 |
| 19:30 | 1.00 | 14.50 | 6 | POOH to change bit (flow tube) | 687.0 | 687.0 |
| 20:30 | 1.50 | 16.00 | 6 | Break out bit, check flow tube, flow tube gone, change out bits | 687.0 | 687.0 |
| 22:00 | 2.00 | 18.00 | 6 | TIH | 687.0 | 687.0 |
| 00:00 | 1.00 | 19.00 | 2 | Air drilling from 687' to 762' CFM 2400 | 687.0 | 762.0 |
| 01:00 | 0.50 | 19.50 | 5 | Blow hole clean | 762.0 | 762.0 |
| 01:30 | 0.50 | 20.00 | 10 | Survey @ 727' .40* | 762.0 | 762.0 |
| 02:00 | 4.00 | 24.00 | 2 | Air drill from 762' to 1000' CFM 4800, WOB 10/12, RPM 30, SPP 475 | 762.0 | 1,000.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 122.0 | 687.0 | 565.00 | 2/26/2014 05:00 | 2/26/2014 19:00 | 9.50 | 59.5 | 9.50 | | | 100.00 |
| 687.0 | 1,207.0 | 520.00 | 2/27/2014 00:00 | 2/27/2014 10:00 | 8.00 | 65.0 | 8.00 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



**Report Printed: 3/3/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 2/28/2014**
**Report #: 7, DFS: 2.04**
**Daily Depth Progress: 207.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 24.50 | 2.50 | 59.2 | 59.2 | | 100.00 | 0.00 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| | | | |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 2/27/2014 06:00 | 2/28/2014 06:00 | 2.04 | 1,000.0 | 1,207.0 | 207.00 |

Operations at Report Time

Operations Summary

Air drilling 17-1/2" Hole from 1000' to 1207'. TD for 13-3/8" Casing Point. Circulate hole clean. Wiper trip to 507', Trip in Hole to 1,207'. Circulated 505 bbls of water with no returns. Trip out of hole to 575'. Removed Rotating Head Element. POH L/D BHA. R/U Casing equipment. Run 13-3/8" Casing to 1,190'. Washed down from 1,190' to 1,201', unable to wash down to 1207'. Held PJSM w/ Cement Crew. R/U Cement Head & Lines. Cement 13-3/8" Casing.

Operations Next Report Period

Nipple up B.O.P.

| Weather | Wellbore |
|---|---|
| Rain | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 2 | Air drill from 1,000' to 1,049' CFM 4800, WOB 10/12, RPM 30, SPP 475 | 1,000.0 | 1,049.0 |
| 06:30 | 0.50 | 1.00 | 10 | Single Shot Survey at 1,017', INC 0.35 Deg. | 1,049.0 | 1,049.0 |
| 07:00 | 2.50 | 3.50 | 2 | Air drill from 1,049' to 1,207' TD For 13-3/8" Casing Point. CFM 4800, WOB 10/12, RPM 30, SPP 475 | 1,049.0 | 1,207.0 |
| 09:30 | 0.50 | 4.00 | 5 | Circulate hole with Air. | 1,207.0 | 1,207.0 |
| 10:00 | 0.50 | 4.50 | 10 | Single Shot Survey at 1,773'. INC 0.22 Degrees. | 1,207.0 | 1,207.0 |
| 10:30 | 1.00 | 5.50 | 6 | Wiped hole to 507', Trip in Hole to 1,207'. | 1,207.0 | 1,207.0 |
| 11:30 | 2.50 | 8.00 | 5 | Pumped 505 BBLs water with no returns. | 1,207.0 | 1,207.0 |
| 14:00 | 0.50 | 8.50 | 6 | Trip out of hole from 1,207' to 575'. | 1,207.0 | 1,207.0 |
| 14:30 | 1.00 | 9.50 | 6 | Removed Rotating Head Element. | 1,207.0 | 1,207.0 |
| 15:30 | 2.00 | 11.50 | 6 | Trip out of hole from 575' to BHA. L/D Hammer Bit and Breaker. | 1,207.0 | 1,207.0 |
| 17:30 | 2.00 | 13.50 | 12 | Held PJSM with B&L Casing Crew. R/U Casing Equipment. | 1,207.0 | 1,207.0 |
| 19:30 | 3.50 | 17.00 | 12 | Ran 13-3/8" Casing to 1,169'. | 1,207.0 | 1,207.0 |
| 23:00 | 0.50 | 17.50 | 12 | Swap out drilling bales to casing bales. | 1,207.0 | 1,207.0 |
| 23:30 | 2.00 | 19.50 | 12 | Ran 13-3/8" Casing from 1,169' to 1,190'. Washed down casing from 1,190' to 1,201'. Unable to get deeper. | 1,207.0 | 1,207.0 |
| 01:30 | 1.50 | 21.00 | 12 | Held PJSM with BHI Cementing Crew. R/U Cement Head and lines. | 1,207.0 | 1,207.0 |
| 03:00 | 2.50 | 23.50 | 12 | Fill Lines, Test lines to 3,500 psi. Cemented 13-3/8" Casing. Bumped plug w/ 1000 psi. Established returns at 97 bbls of displacement pumped. 40 bbls of cement returns. | 1,207.0 | 1,207.0 |
| 05:30 | 0.50 | 24.00 | 13 | W.O.C. Flush out flow line with water. | 1,207.0 | 1,207.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 687.0 | 1,207.0 | 520.00 | 2/27/2014 00:00 | 2/27/2014 10:00 | 8.00 | 65.0 | 8.00 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln Street Ste 2800 , Denver, CO, 80203

**PHONE NUMBER:** 720 931-6459 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>4/1/2014 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Monthly drilling report.

**Accepted by the**
**Utah Division of**
**Oil, Gas and Mining**
**FOR RECORD ONLY**
April 04, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Joy Gardner | 720 956-5763 | Sr. Engineering Tech |
| **SIGNATURE** | | **DATE** |
| N/A | | 4/1/2014 |

RECEIVED: Apr. 01, 2014

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/2/2014**
**Report #: 9, DFS: 4.04**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/1/2014 06:00 | 3/2/2014 06:00 | 4.04 | 1,207.0 | 1,207.0 | 0.00 |

**Operations at Report Time**
Change out Valve on Stack

**Operations Summary**
Cameron torqued bolts on stack. Welder fabricated flow line spool between rotating head and Blooie Line. Changed out Swivel Packing. Removed Check Valve. Set V-Door in place. Test BOPE. Change out Inside Valve on Kill Line Side.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Rain | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 8.50 | 8.50 | 14 | Cameron torqued bolts on stack. Installed Accumulator Lines. Function Test BOP. Changed out Swivel Packing. Welder fabricated spool between Rotating Head & Blooie Line. Set V-Door in place. | 1,207.0 | 1,207.0 |
| 14:30 | 5.50 | 14.00 | 15 | Held PJSM with Cameron Test Crew. R/U Test Equipment. Testing Choke Manifold to 250 psi Low & 10,000 psi High. Changed out Check Valve on Test Truck. | 1,207.0 | 1,207.0 |
| 20:00 | 4.00 | 18.00 | 15 | M/U Test Plug. Set in wellhead. Filled stack with water. Test BOPE and components to 250 psi / 10M psi. | 1,207.0 | 1,207.0 |
| 00:00 | 1.50 | 19.50 | 15 | Test BOPE and components to 250 psi / 10M psi. | 1,207.0 | 1,207.0 |
| 01:30 | 1.00 | 20.50 | 8 | Trouble Shoot Accumulator overload tripping breaker. Change out Inside Valve on Kill Line. | 1,207.0 | 1,207.0 |
| 02:30 | 2.00 | 22.50 | 15 | Test Annular to 250/5000 psi. Test Standpipe to 250/4000 psi. | 1,207.0 | 1,207.0 |
| 04:30 | 1.50 | 24.00 | 8 | Changed Inside Valve on Kill Line Side. | 1,207.0 | 1,207.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1… | Gel (10s) (lbf… | Gel (10m) (lb… | Gel (30m) (lb… | Filtrate (mL/… | FC (1/32") | HTHP Filtrat… | HTHP FC (1… |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr… | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft… | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time… | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/3/2014**
**Report #: 10, DFS: 5.04**
**Daily Depth Progress: 365.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/2/2014 06:00 | 3/3/2014 06:00 | 5.04 | 1,207.0 | 1,572.0 | 365.00 |

**Operations at Report Time**
Changing Rotating Head Bushing

**Operations Summary**
Change out Inside Kill Line Valve. Test BOP. Pull Test Plug. Test Casing. R/D Test Equipment. Install Wear Bushing. Picked up 87 Joints of 4-1/2" Drill Pipe and 15 Joints of 4-1/2" HWDP. M/U Air Hammer and 12-1/4" Bit. Test Air Hammer with Air. M/U BHA, RIH picking up 6 Joints of HWDP. Installed Rotating Head Element. Blow down with Air at 639'. Trip in hole tagged Float Collar at 1,154'. Drill out Float Equipment and cement to 1,207'. Drill 12-1/4" Hole from 1,207' to 1,572'. Changing out Rotating Head Bushing.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 8 | Changed out Inside Kill Line Valve. | 1,207.0 | 1,207.0 |
| 06:30 | 2.50 | 3.00 | 15 | Test Inside Kill Line Valve, Removed Test Joint. Test Blind Rams and Check Valve to 250/10M. Pull Test Plug. | 1,207.0 | 1,207.0 |
| 09:00 | 0.50 | 3.50 | 15 | Installed Wear Bushing. 13-3/8" x 12-5/8" ID. 2.75' Length. | 1,207.0 | 1,207.0 |
| 09:30 | 1.00 | 4.50 | 15 | Test 13-3/8" Casing to 1900 psi for 30 min. R/D Test Equipment. | 1,207.0 | 1,207.0 |
| 10:30 | 5.00 | 9.50 | 6 | Picked up 87 Joints of 4-1/2" Drill Pipe and 15 Joints of 4-1/2" HWDP and stood back in derrick. | 1,207.0 | 1,207.0 |
| 15:30 | 2.50 | 12.00 | 6 | M/U 12-1/4" Bit and Air Hammer. Test Air Hammer. | 1,207.0 | 1,207.0 |
| 18:00 | 1.50 | 13.50 | 6 | Trip in hole with Drill Collars and Jars. RIH picking up 6 Joints of 4-1/2" HWDP to 625'. | 1,207.0 | 1,207.0 |
| 19:30 | 1.00 | 14.50 | 6 | Install Rotating Head Bushing. | 1,207.0 | 1,207.0 |
| 20:30 | 0.50 | 15.00 | 5 | Blow hole down with Air to remove water. | 1,207.0 | 1,207.0 |
| 21:00 | 0.50 | 15.50 | 6 | Trip in hole from 625' tagged cement at 1,150'. | 1,207.0 | 1,207.0 |
| 21:30 | 1.50 | 17.00 | 2 | Blow hole down with Air. Drilled out Float Equipment and cement from 1,150' to 1,207'. | 1,207.0 | 1,207.0 |
| 23:00 | 0.50 | 17.50 | 5 | Circulate with Air to dry hole up. | 1,207.0 | 1,207.0 |
| 23:30 | 0.50 | 18.00 | 2 | Air Drilling from 1,207' to 1,245'. | 1,207.0 | 1,245.0 |
| 00:00 | 1.00 | 19.00 | 2 | Air Drilling from 1,245' to 1,308'. | 1,245.0 | 1,308.0 |
| 01:00 | 0.50 | 19.50 | 5 | Circulate hole with Mist. | 1,308.0 | 1,308.0 |
| 01:30 | 4.00 | 23.50 | 2 | Air Mist Drilling from 1,308' to 1,572'. BOP Drill, Men at Stations 58 Seconds. | 1,308.0 | 1,572.0 |
| 05:30 | 0.50 | 24.00 | 8 | Rotating Head Bushing not spinning. Change out Rotating Head Bushing. | 1,572.0 | 1,572.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,207.0 | 2,106.0 | 899.00 | 3/2/2014 21:30 | 3/3/2014 19:30 | 17.00 | 52.9 | 17.00 | | | 100.00 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/3/2014**
**Report #: 10, DFS: 5.04**
**Daily Depth Progress: 365.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/4/2014**
**Report #: 11, DFS: 6.04**
**Daily Depth Progress: 534.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/3/2014 06:00 | 3/4/2014 06:00 | 6.04 | 1,572.0 | 2,106.0 | 534.00 |

**Operations at Report Time**
Inspect Annular and Spool.

**Operations Summary**
Changed out Rotating Head Bushing and Gasket. Drilled 12-1/4" Hole from 1,572' to 2,106'. Developed hole in Rotating Head Body. POH, remove Rotating Head Bushing and found Wear Bushing stuck on rubber. POH break bit and inspect flow tube. M/U Bit. Disconnect Flow Line, Removed Rotating Head. N/D Spool for inspection of spool and Annular.

**Operations Next Report Period**
Nipple up B.O.P.

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 8 | Changed out bowl gasket and Rotating Head Bushing. | 1,572.0 | 1,572.0 |
| 07:00 | 0.50 | 1.50 | 5 | Blow down hole with Air. | 1,572.0 | 1,572.0 |
| 07:30 | 1.50 | 3.00 | 2 | Air Mist Drilling from 1,572' to 1,691'. 2400 CFM | 1,572.0 | 1,691.0 |
| 09:00 | 1.00 | 4.00 | 5 | Blow down and unload hole with air. | 1,691.0 | 1,691.0 |
| 10:00 | 0.50 | 4.50 | 10 | Single Shot Survey at 1,596'. INC .10 Degrees. | 1,691.0 | 1,691.0 |
| 10:30 | 5.50 | 10.00 | 2 | Air Mist Drilled from 1,691' to 1,978'. 2400 CFM | 1,691.0 | 1,978.0 |
| 16:00 | 0.50 | 10.50 | 10 | Single Shot Survey at 1,878'. INC .27 Degrees. | 1,978.0 | 1,978.0 |
| 16:30 | 1.50 | 12.00 | 2 | Air Mist Drilled from 1,978' to 2,030'. 2400 CFM | 1,978.0 | 2,030.0 |
| 18:00 | 1.50 | 13.50 | 2 | Air Mist Drilled from 2,030' to 2,106'. Washout in side of Rotating Head. | 2,030.0 | 2,106.0 |
| 19:30 | 2.00 | 15.50 | 6 | Circulate out of hole from 2,106' to 1,124'. | 2,106.0 | 2,106.0 |
| 21:30 | 0.50 | 16.00 | 6 | Removed Rotating Head Bushing and found Wear Bushing wedged on rubber element. | 2,106.0 | 2,106.0 |
| 22:00 | 1.50 | 17.50 | 6 | Trip out of hole. Stand back Drill Collars. | 2,106.0 | 2,106.0 |
| 23:30 | 0.50 | 18.00 | 6 | Broke off Bit, Inspect Blow Tube. M/U Bit. | 2,106.0 | 2,106.0 |
| 00:00 | 6.00 | 24.00 | 8 | Disconnect Flow Line. Removed Halliburton Rotating Head. N/D Spool for inspection. Spool is damaged beyond repair. Top of Annular Ring Groove has wash out across ring groove. | 2,106.0 | 2,106.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,207.0 | 2,106.0 | 899.00 | 3/2/2014 21:30 | 3/3/2014 19:30 | 17.00 | 52.9 | 17.00 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/5/2014**
**Report #: 12, DFS: 7.04**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/4/2014 06:00 | 3/5/2014 06:00 | 7.04 | 2,106.0 | 2,106.0 | 0.00 |

Operations at Report Time
M/U Test Joint.

Operations Summary
N/D Hydril and set out. Set and N/U Replacement 10K Annular on stack. Install and N/U Choke Line/HCR Valve Manifold. Set Catwalk. Set V-Door in place. Cameron torqued bolts on Annular.

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 12.00 | 12.00 | 8 | Removed Choke Line, HCR Valve and Koomey Lines from Annular. Lay over V-Door. Moved Catwalk. N/D and removed Annular. Broke Bit off of Air Hammer. Stand back 8" Drill Collars. Changed out Desander pump. | 2,106.0 | 2,106.0 |
| 18:00 | 6.00 | 18.00 | 8 | Backload Annular on truck headed to New Iberia LA. for repair. Changed out Gripper Dies on Top Drive. | 2,106.0 | 2,106.0 |
| 00:00 | 6.00 | 24.00 | 8 | Offload replacement 10M Annular and set in place on stack. Set Catwalk. Install and N/U Choke Line/HCR Valve Manifold. Set V-Door in place. Cameron torqued up bolts on Annular. | 2,106.0 | 2,106.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



Report Printed: 4/1/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/6/2014**
**Report #: 13, DFS: 8.04**
**Daily Depth Progress: 549.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/5/2014 06:00 | 3/6/2014 06:00 | 8.04 | 2,106.0 | 2,655.0 | 549.00 |

**Operations at Report Time**
Drill 12-1/4" Hole

**Operations Summary**
Pressure Test BOPE. Test Annular, Chokeline and HCR. N/U Spool and Rotating Head. Connect Blooie Line to Rotating Head. M/U Air Hammer BHA, Trip in hole to 1,116'. Installed Rotating Head Bushing. Unload hole with Air. Trip in to 2,074'. Unload hole with AIr. Circulated down to 2,106'. Air Mist Drilled 12-1/4" Hole from 2,106' to 2,655'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 3.00 | 3.00 | 15 | Held PJSM with Cameron Test Crew. Set Test Plug in wellhead. Test Inside Choke Line Valve against Upper Pipe Rams to 250/10M, Test Annular to 250/5M. R/D Test Equipment. | 2,106.0 | 2,106.0 |
| 09:00 | 4.50 | 7.50 | 14 | N/U 10M x 5M XO Spool and Halliburton Rotating Head. M/U Blooie Line connection to Rotating Head. | 2,106.0 | 2,106.0 |
| 13:30 | 1.00 | 8.50 | 14 | Install Wear Bushing, removed Anchor Ram and verified Wear Bushing seated in Wellhead. Tightened 4 anchor ram screws. Wear Bushing 13-3/8" O.D. x 12-1/4" I.D. x 2.75 ft. | 2,106.0 | 2,106.0 |
| 14:30 | 2.00 | 10.50 | 6 | M/U Air Hammer and Bit, BHA. Trip in hole to 1,116'. | 2,106.0 | 2,106.0 |
| 16:30 | 0.50 | 11.00 | 6 | Installed Rotating Head Bushing. | 2,106.0 | 2,106.0 |
| 17:00 | 0.50 | 11.50 | 5 | Unload hole with Air. | 2,106.0 | 2,106.0 |
| 17:30 | 1.00 | 12.50 | 6 | Trip in hole from 1,116' to 2,074'. | 2,106.0 | 2,106.0 |
| 18:30 | 0.50 | 13.00 | 5 | Unload hole with Air. Circulated down from 2,074' to 2,106'. | 2,106.0 | 2,106.0 |
| 19:00 | 2.50 | 15.50 | 2 | Ait Mist Drilled 12-1/4" Hole from 2,106' to 2,262'. 3600 CFM. | 2,106.0 | 2,262.0 |
| 21:30 | 0.50 | 16.00 | 5 | Circulate and unload hole with Air. | 2,262.0 | 2,262.0 |
| 22:00 | 1.00 | 17.00 | 10 | Single Shot Survey at 2,168'. False survey, resurvey. Inc 0.34°. | 2,262.0 | 2,262.0 |
| 23:00 | 1.00 | 18.00 | 2 | Ait Mist Drilled 12-1/4" Hole from 2,262' to 2,330'. 3600 CFM. | 2,262.0 | 2,330.0 |
| 00:00 | 3.00 | 21.00 | 2 | Ait Mist Drilled 12-1/4" Hole from 2,330' to 2,547'. 3600 CFM. | 2,330.0 | 2,547.0 |
| 03:00 | 0.50 | 21.50 | 5 | Circulate and unload hole with Air. | 2,547.0 | 2,547.0 |
| 03:30 | 0.50 | 22.00 | 10 | Single Shot Survey at 2,454'. Inc 0.11°. | 2,547.0 | 2,547.0 |
| 04:00 | 2.00 | 24.00 | 2 | Air Mist Drilled 12-1/4" Hole from 2,454' to 2,655'. 3600 CFM. | 2,547.0 | 2,655.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,106.0 | 3,725.0 | 1,619.00 | 3/5/2014 18:30 | 3/7/2014 10:30 | 30.50 | 53.1 | 30.50 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/7/2014**
**Report #: 14, DFS: 9.04**
**Daily Depth Progress: 955.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/6/2014 06:00 | 3/7/2014 06:00 | 9.04 | 2,655.0 | 3,610.0 | 955.00 |

**Operations at Report Time**
Drill 12-1/4" Hole.

**Operations Summary**
Air Mist drilled from 2655' to 3,610,.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Rain | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.00 | 2.00 | 2 | Air Mist Drilled 12-1/4" Hole from 2,655' to 2,740'. 3600 CFM. | 2,655.0 | 2,740.0 |
| 08:00 | 1.00 | 3.00 | 8 | Repair cord in PLC Cabinet causing Breaker to trip. | 2,740.0 | 2,740.0 |
| 09:00 | 1.50 | 4.50 | 2 | Air Mist Drilled 12-1/4" Hole from 2,740' to 2,835'. 3600 CFM. | 2,740.0 | 2,835.0 |
| 10:30 | 0.50 | 5.00 | 10 | Single Shot Survey at 2,740'. Inc 0.18°. | 2,835.0 | 2,835.0 |
| 11:00 | 0.50 | 5.50 | 5 | Circulate and unload hole with Air. | 2,835.0 | 2,835.0 |
| 11:30 | 6.00 | 11.50 | 2 | Air Mist Drilled 12-1/4" Hole from 2,835' to 3,123'. 3600 CFM. BOP Drill, Men at Stations in 75 Seconds. | 2,835.0 | 3,123.0 |
| 17:30 | 0.50 | 12.00 | 10 | Single Shot Survey at 3,027'. Inc 0.33°. | 3,123.0 | 3,123.0 |
| 18:00 | 0.50 | 12.50 | 5 | Tagged fill at 3,100'. Circulated down to 3,123'. | 3,123.0 | 3,123.0 |
| 18:30 | 5.50 | 18.00 | 2 | Air Mist Drilled 12-1/4" Hole from 3,123' to 3,400'. 3600 CFM. | 3,123.0 | 3,400.0 |
| 00:00 | 0.50 | 18.50 | 2 | Air Mist Drilled 12-1/4" Hole from 3,400' to 3,411'. 3600 CFM. | 3,400.0 | 3,411.0 |
| 00:30 | 0.50 | 19.00 | 10 | Single Shot Survey at 3,315'. Inc 0.21°. | 3,411.0 | 3,411.0 |
| 01:00 | 0.50 | 19.50 | 5 | Circulate and unload hole with Air. | 3,411.0 | 3,411.0 |
| 01:30 | 4.50 | 24.00 | 2 | Air Mist Drilled 12-1/4" Hole from 3,411' to 3,610'. 4800 CFM. BOP Drill, Men at Stations in 55 Seconds. | 3,411.0 | 3,610.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,106.0 | 3,725.0 | 1,619.00 | 3/5/2014 18:30 | 3/7/2014 10:30 | 30.50 | 53.1 | 30.50 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/8/2014**
**Report #: 15, DFS: 10.04**
**Daily Depth Progress: 455.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/7/2014 06:00 | 3/8/2014 06:00 | 10.04 | 3,610.0 | 4,065.0 | 455.00 |

**Operations at Report Time**
Drill 12-1/4" Hole

**Operations Summary**
Air Mist drilled from 3,610' to 3,725. Blow well bore clean. Trip out from 3,725'. Lay down Bit and Hammer. Pickup Bit and Motor. Trip in hole, break circulation. Drill Air/Mist Drill from 3,725' to 4,065'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Rain | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.50 | 1.50 | 2 | Air Mist Drilled 12-1/4" Hole from 3,610' to 3,699'. 4800 CFM. | 3,610.0 | 3,699.0 |
| 07:30 | 0.50 | 2.00 | 20 | Single Shot Survey at 3,604'. Inc 0.44°. | 3,699.0 | 3,699.0 |
| 08:00 | 1.00 | 3.00 | 2 | Air Mist Drilled 12-1/4" Hole from 3,699' to 3,725'. 4800 CFM. Hole watered out at 3725'. | 3,699.0 | 3,725.0 |
| 09:00 | 1.50 | 4.50 | 5 | Blow hole clean. Load hole with 600 bbl of water. | 3,725.0 | 3,725.0 |
| 10:30 | 2.00 | 6.50 | 6 | Trip out of the hole from 3725' to Surface. | 3,725.0 | 3,725.0 |
| 12:30 | 1.50 | 8.00 | 6 | Lay down Jars and Pickup 1- 6 1/2" Drill Collar. Breakout and lay down Bit and Hammer. | 3,725.0 | 3,725.0 |
| 14:00 | 2.00 | 10.00 | 6 | Pickup and makeup Bit, Mud Motor, Float Sub and Shock Sub. Surface Test Mud Motor with air, good test. | 3,725.0 | 3,725.0 |
| 16:00 | 0.50 | 10.50 | 6 | Trip in the hole to 1150 ft. Reposition Drilling Jar. | 3,725.0 | 3,725.0 |
| 16:30 | 0.50 | 11.00 | 6 | Install rotating head rubber. | 3,725.0 | 3,725.0 |
| 17:00 | 1.00 | 12.00 | 6 | Trip in the hole from 1,150' to 3673'. Trip Drill, Men at Stations in 120 Seconds. | 3,725.0 | 3,725.0 |
| 18:00 | 0.50 | 12.50 | 5 | Circulate down from 3,673' to 3,725'. | 3,725.0 | 3,725.0 |
| 18:30 | 1.50 | 14.00 | 5 | Circulate and unload hole with 3600 CFM Air, pumping 52 GPM with rig pump. | 3,725.0 | 3,725.0 |
| 20:00 | 4.00 | 18.00 | 2 | Air Mist Drilled 12-1/4" Hole from 3,725' to 3,871'. 3600 CFM, 52 GPM. SPP 500 psi. | 3,725.0 | 3,871.0 |
| 00:00 | 4.00 | 22.00 | 2 | Air Mist Drilled 12-1/4" Hole from 3,871' to 4,020'. 3600 CFM, 52 GPM. BOP Drill, Men at Stations 65 Seconds. | 3,871.0 | 4,020.0 |
| 04:00 | 0.50 | 22.50 | 10 | Single Shot Survey at 3,924'. Inc = 0.33°. | 4,020.0 | 4,020.0 |
| 04:30 | 0.50 | 23.00 | 5 | Circulate and unload hole | 4,020.0 | 4,020.0 |
| 05:00 | 1.00 | 24.00 | 2 | Air Mist Drilled 12-1/4" Hole from 4,020' to 4,065'. 3600 CFM, 52 gpm. SPP 500 PSI. 15-24K WOB, 77 RPM. | 4,020.0 | 4,065.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,106.0 | 3,725.0 | 1,619.00 | 3/5/2014 18:30 | 3/7/2014 10:30 | 30.50 | 53.1 | 30.50 | | | 100.00 |
| 3,725.0 | 4,465.0 | 740.00 | 3/7/2014 18:30 | 3/8/2014 16:00 | 16.00 | 46.2 | 16.00 | | | 100.00 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/8/2014**
**Report #: 15, DFS: 10.04**
**Daily Depth Progress: 455.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/9/2014**
**Report #: 16, DFS: 11.04**
**Daily Depth Progress: 400.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/8/2014 06:00 | 3/9/2014 06:00 | 11.04 | 4,065.0 | 4,465.0 | 400.00 |

**Operations at Report Time**
Run 9-5/8" Casing.

**Operations Summary**
Drill Air/Mist Drill from 4,065' to 4,465'. TD For 9-5/8" Casing Point. Circulate and unload hole. Wipe hole to 1,207', Trip in hole to 4,455'. Circulate to 4,465'. Circulate 600 bbls of water, spot 80 bbls of High-Vis Pill on bottom. Trip out of hole. L/D BHA. Pull Wear Bushing. R/U & Run 9-5/8" Casing.

**Operations Next Report Period**
Run Casing & Cement

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Air Mist Drilled 12-1/4" Hole from 4,065' to 4,307'. 3600 CFM, 52 gpm. SPP 525 PSI. 15-24K WOB, 77 RPM. | 4,065.0 | 4,307.0 |
| 12:00 | 0.50 | 6.50 | 5 | Circulate and unload hole. | 4,307.0 | 4,307.0 |
| 12:30 | 0.50 | 7.00 | 10 | Survey: 4,211', Inc: 0.32° | 4,307.0 | 4,307.0 |
| 13:00 | 0.50 | 7.50 | 5 | Circulate and unload hole. | 4,307.0 | 4,307.0 |
| 13:30 | 0.50 | 8.00 | 2 | Air Mist Drilled 12-1/4" Hole from 4,307' to 4,403'. 3600 CFM, 52 gpm. SPP 525 PSI. 15-24K WOB, 77 RPM. | 4,307.0 | 4,403.0 |
| 14:00 | 0.50 | 8.50 | 5 | Circulate and unload hole for Mud Logger to catch sample. | 4,403.0 | 4,403.0 |
| 14:30 | 0.50 | 9.00 | 2 | Air Mist Drilled 12-1/4" Hole from 4,403' to 4,465'. 3600 CFM, 52 gpm. SPP 525 PSI. 15-24K WOB, 77 RPM. | 4,403.0 | 4,465.0 |
| 15:00 | 1.00 | 10.00 | 5 | Circulate hole clean. | 4,465.0 | 4,465.0 |
| 16:00 | 2.50 | 12.50 | 6 | Wiped hole to 1,207', Trip in hole to 4,455'. | 4,465.0 | 4,465.0 |
| 18:30 | 2.00 | 14.50 | 5 | Circulated down from 4,455' to 4,465'. Pumped 600 bbls water, spot 80 bbl High-Vis Pill on bottom. | 4,465.0 | 4,465.0 |
| 20:30 | 1.50 | 16.00 | 6 | Trip out of hole from 4,465' to 1,053'. Pulled Rotating Head Bushing. | 4,465.0 | 4,465.0 |
| 22:00 | 2.00 | 18.00 | 6 | Trip out of hole from 1,053' to BHA. Stand back Drill Collars. Drain Motor, broke off bit. L/D Motor, Shock Sub and Float Sub. | 4,465.0 | 4,465.0 |
| 00:00 | 0.50 | 18.50 | 6 | Removed Wear Bushing. | 4,465.0 | 4,465.0 |
| 00:30 | 1.50 | 20.00 | 12 | Held PJSM with B&L Casing Crew. Removed Bales and elevators. R/U Casing Bales,and CRT Tool, | 4,465.0 | 4,465.0 |
| 02:00 | 1.00 | 21.00 | 12 | Advance Clocks Forward 1 Hour for Daylight Savings Time. | 4,465.0 | 4,465.0 |
| 03:00 | 1.00 | 22.00 | 12 | R/U Casing Tongs and Equipment. | 4,465.0 | 4,465.0 |
| 04:00 | 2.00 | 24.00 | 12 | M/U Shoe Track, pumped through Float Shoe and Float Collar. Run 9-5/8", 47 PPF, HCP-110, BTC to 500'. | 4,465.0 | 4,465.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3,725.0 | 4,465.0 | 740.00 | 3/7/2014 18:30 | 3/8/2014 16:00 | 16.00 | 46.2 | 16.00 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/9/2014**
**Report #: 16, DFS: 11.04**
**Daily Depth Progress: 400.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/10/2014**
**Report #: 17, DFS: 12.04**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/9/2014 06:00 | 3/10/2014 06:00 | 12.04 | 4,465.0 | 4,465.0 | 0.00 |

**Operations at Report Time**
RIH Picking up 4-1/2" Drill Pipe.

**Operations Summary**
Ran 9-5/8" Casing to 4,460' and land on hanger. Cement 9-5/8" Casing. Installed and Test Pack-Off to 5000 psi. Performed Top Job on 9-5/8" x 13-3/8" Annulus pressured up and held 500 psi for 20 min. Bled off pressure and R/D Cement Lines. Ran Gyro Survey. Installed Pollution Pan. L/D 6" & 8" Drill Collars. RIH picking up 4-1/2" Drill Pipe.

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 3.00 | 3.00 | 12 | Ran 9-5/8" Casing from 500' to 3,460'. | 4,465.0 | 4,465.0 |
| 09:00 | 0.50 | 3.50 | 12 | Changed out Casing Hydraulic Power Unit. | 4,465.0 | 4,465.0 |
| 09:30 | 1.00 | 4.50 | 8 | Power Catwalk failed due to broken Gore Track. | 4,465.0 | 4,465.0 |
| 10:30 | 1.50 | 6.00 | 12 | Ran 9-5/8" Casing from 3,460' to 4,428'. M/U Casing Hanger and Landing Joint. Land Hanger in Wellhead. Shoe at 4,460'. | 4,465.0 | 4,465.0 |
| 12:00 | 2.00 | 8.00 | 5 | Pumped 600 bbls of water, no returns. R/D Casing Tongs and Equipment. R/D Air Manifold and remove from Rig Floor. Held PJSM with Halliburton Cementing Crew. | 4,465.0 | 4,465.0 |
| 14:00 | 1.50 | 9.50 | 12 | Cement 9-5/8" Casing. Test Lines with 3385 psi. Pumped 10 bbls water spacer, 68.4 bbls of Tail Cement, displaced with 323 bbls of Fresh Water. Bumped Plug with 530 psi. Bled off pressure and floats held. C.I.P. at 15:30 Hrs. | 4,465.0 | 4,465.0 |
| 15:30 | 0.50 | 10.00 | 12 | R/D Cement Head and Lines. | 4,465.0 | 4,465.0 |
| 16:00 | 2.50 | 12.50 | 12 | L/D Landing Joint. M/U and set Pack-Off. Test to 5000 psi. | 4,465.0 | 4,465.0 |
| 18:30 | 1.00 | 13.50 | 13 | W.O.C. R/D Cameron. Removed Casing Bales. | 4,465.0 | 4,465.0 |
| 19:30 | 2.50 | 16.00 | 12 | Held PJSM with Halliburton. R/U Lines to 9-5/8" x 13-3/8" Annulus. Filled Lines Pressure test to 2804 psi. Pump 3 bbls water, 20 bbls Super Flush 100, 207.2 bbls of Tail Cement and pressured up. Displace lines with Treated Water. Held 500 psi for 20 min. Bled off pressure and R/D Halliburton equipment. | 4,465.0 | 4,465.0 |
| 22:00 | 1.00 | 17.00 | 12 | R/D Cement Lines and equipment. | 4,465.0 | 4,465.0 |
| 23:00 | 1.50 | 18.50 | 10 | Held PJSM with Native Navagation Crew. Ran Gyro Survey. R/D Gyro. | 4,465.0 | 4,465.0 |
| 00:30 | 1.50 | 20.00 | 1 | Install Pollution Pan. | 4,465.0 | 4,465.0 |
| 02:00 | 1.00 | 21.00 | 6 | Load racks with 117 Joints of 4-1/2" Drill Pipe. Strap Drill Pipe. | 4,465.0 | 4,465.0 |
| 03:00 | 1.50 | 22.50 | 6 | L/D 8" & 6" Drill Collars. | 4,465.0 | 4,465.0 |
| 04:30 | 1.50 | 24.00 | 6 | Picking up 4-1/2" Drill Pipe. | 4,465.0 | 4,465.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |



**Report Printed: 4/1/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/10/2014**
**Report #: 17, DFS: 12.04**
**Daily Depth Progress: 0.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/11/2014**
**Report #: 18, DFS: 13.04**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/10/2014 06:00 | 3/11/2014 06:00 | 13.04 | 4,465.0 | 4,465.0 | 0.00 |

**Operations at Report Time**
Installing Rotating Head Bushing

**Operations Summary**
Pickup a total of 117 Joints of drill pipe. POH. R/D Blooie Line. Installed Orbit Valve, Flow Line and Fill Up Line. RIH picked up 117 Joints of Drill Pipe. POH. R/U Cameron and test 9-5/8" Casing to 6600 psi for 30 min. Bled off pressure, R/D Testers. M/U BHA, Trip in hole picking up 4-1/2" Drill Pipe to 2,748'. RIH from 2,748' to 4,275'. Slip and cut Drilling Line. Remove Trip Nipple and Installing Rotating Head Bushing.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 6 | RIH picking up 60 Joints of 4-1/2" Drill Pipe. | 4,465.0 | 4,465.0 |
| 07:00 | 1.00 | 2.00 | 6 | Trip out of hole standing back Drill Pipe in derrick. | 4,465.0 | 4,465.0 |
| 08:00 | 6.50 | 8.50 | 14 | Rigged down Blooie Line and removed. Install Orbit Valve, Flow Line and Fill Up Line. | 4,465.0 | 4,465.0 |
| 14:30 | 2.50 | 11.00 | 6 | RIH picking up 117 Joints of 4-1/2" Drill Pipe. | 4,465.0 | 4,465.0 |
| 17:00 | 3.00 | 14.00 | 6 | Trip out of hole standing back standing back 39 stands of 4-1/2" Drill Pipe. | 4,465.0 | 4,465.0 |
| 20:00 | 1.50 | 15.50 | 15 | Held PJSM with Cameron Testers. Test 9-5/8" Casing to 6600 psi for 30 min. Bled off pressure, R/D Test Equipment. | 4,465.0 | 4,465.0 |
| 21:30 | 1.50 | 17.00 | 6 | Drained Stack. Installed wear bushing. verified it was correctly seated and anchor rams tightened. | 4,465.0 | 4,465.0 |
| 23:00 | 3.50 | 20.50 | 6 | M/U Bit, Bit Sub, 6" DC's, HWDP & Jars. Trip in hole picking up 4-1/2" Drill Pipe to 2,748'. | 4,465.0 | 4,465.0 |
| 02:30 | 1.50 | 22.00 | 6 | Trip in hole from 2,748' to 4,275'. | 4,465.0 | 4,465.0 |
| 04:00 | 1.50 | 23.50 | 21 | Slipped and cut off 69 ft of drilling line. | 4,465.0 | 4,465.0 |
| 05:30 | 0.50 | 24.00 | 6 | Remove Trip Nipple and Installing Rotating Head Bushing. | 4,465.0 | 4,465.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/12/2014**
**Report #: 19, DFS: 14.04**
**Daily Depth Progress: 26.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/11/2014 06:00 | 3/12/2014 06:00 | 14.04 | 4,465.0 | 4,491.0 | 26.00 |

**Operations at Report Time**
Drill 8-1/2" Pilot Hole.

**Operations Summary**
Installed Rotating Head. DRilled out Float Equipment from 4,418' to 4,465'. CBU spot LCM Pill. F.I.T. to 18.0 EMW. POH Broke off Bit. M/U Directional BHA. Shallow Test MWD. RIH to 3989'. Installed Rotating Head Bushing. RIH to 4,470'. Changed well over to 14.2 ppg OBM. Filled pits with OBM. Plugged pumps with debris. Shipped out OBM, Cleaned tank 4, shipped OBM back over shakers. Drilled 8-1/2" Pilot Hole from 4,475' to 4,491'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Snow | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 6 | Installed Rotating Head Bushing. | 4,465.0 | 4,465.0 |
| 07:00 | 1.00 | 2.00 | 2 | Drilled out Float Equipment and Cement from 4,418' to 4,465'. Drilled 10 ft of new 8-1/2" Hole to 4,475'. | 4,465.0 | 4,465.0 |
| 08:00 | 1.50 | 3.50 | 5 | Circulated bottoms up. Spot LCM Pill on bottom. Performed F.I.T. to 18.0 ppg EMW with 2300 psi. Good Test. | 4,475.0 | 4,475.0 |
| 09:30 | 2.50 | 6.00 | 6 | Trip out of hole from 4,475' to surface. Broke off Bit & Bit Sub. | 4,475.0 | 4,475.0 |
| 12:00 | 3.50 | 9.50 | 6 | M/U Bit, Motor, Stabilizer, Float Sub and MWD/GR Collar. Shallow Test MWD. Broke off Rock Bit, M/U 8-1/2", Security DBS, MMD64M PDC Bit. M/U BHA. | 4,475.0 | 4,475.0 |
| 15:30 | 2.50 | 12.00 | 6 | Trip in hole with BHA to 3,989'. | 4,475.0 | 4,475.0 |
| 18:00 | 0.50 | 12.50 | 6 | Install Rotating Head Bushing. | 4,475.0 | 4,475.0 |
| 18:30 | 0.50 | 13.00 | 6 | Trip in hole from 3,989' to 4,470'. | 4,475.0 | 4,475.0 |
| 19:00 | 2.50 | 15.50 | 5 | Shipped Water out of mud tanks. Shipped 14.2 ppg OBM to mud tanks. | 4,475.0 | 4,475.0 |
| 21:30 | 1.00 | 16.50 | 5 | Displaced water out of hole with 14.2 ppg OBM. | 4,475.0 | 4,475.0 |
| 22:30 | 1.50 | 18.00 | 5 | Shipped 14.2 ppg OBM to Mud Tanks. | 4,475.0 | 4,475.0 |
| 00:00 | 1.00 | 19.00 | 5 | Started circulating and plugged both pump suctions and valves had small rocks/debris under them. Cleared suctions and pumps. Attempted to pump again and picking up debris. | 4,475.0 | 4,475.0 |
| 01:00 | 3.50 | 22.50 | 5 | Isolated Mud Tank # 4. Shipped OBM to Tank Farm. Cleaned Tank # 4. Shipped OBM to active system over shakers. | 4,475.0 | 4,475.0 |
| 04:30 | 0.50 | 23.00 | 5 | Circulated through Choke Manifold, Gas Buster, Kill Line, Mud Cross. | 4,475.0 | 4,475.0 |
| 05:00 | 1.00 | 24.00 | 2 | Drilled 8-1/2" Pilot Hole from 4,475' to 4,491'. | 4,475.0 | 4,491.0 |

## Mud Check: 4,475.0ftKB, 3/11/2014 11:45

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1…) | Gel (10s) (lbf…) | Gel (10m) (lb…) | Gel (30m) (lb…) | Filtrate (mL/…) | FC (1/32") | HTHP Filtrat… | HTHP FC (1… |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/11/2014 | 4,475.0 | 14.20 | 72 | 24.0 | 18.000 | 12.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 47,000.000 | | | | 28.0 | | 83.3/16.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr… | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 70.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft… | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time… | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,465.0 | 4,475.0 | 10.00 | 3/11/2014 07:00 | 3/11/2014 09:30 | 1.00 | 10.0 | 1.00 | | | 100.00 |
| 4,475.0 | 7,672.0 | 3,197.00 | 3/12/2014 05:00 | 3/14/2014 11:00 | 45.93 | 69.6 | 39.18 | 6.75 | 14.70 | 85.30 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/12/2014**
**Report #: 19, DFS: 14.04**
**Daily Depth Progress: 26.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/13/2014**
**Report #: 20, DFS: 15.04**
**Daily Depth Progress: 1,029.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/12/2014 06:00 | 3/13/2014 06:00 | 15.04 | 4,491.0 | 5,520.0 | 1,029.00 |

**Operations at Report Time**
Drill 8-1/2" Pilot Hole.

**Operations Summary**
Drilled 8-1/2" Pilot Hole from 4,491' to 4,877'. Repair Mud Pump #1. Drill 8 1/2" Pilot Hole from 4,877' to 5,784'

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilled 8-1/2" Pilot Hole from 4,491' to 4,834'. WOB 10-16K, ROP 0-35, 525 GPM, SPP 3000 psi. MW 14.2 ppg, BGG 20 Units. CG 20-30 Units. | 4,491.0 | 4,834.0 |
| 12:00 | 1.50 | 7.50 | 2 | Drilled 8-1/2" Pilot Hole from 4,834' to 4,877'. WOB 10-16K, ROP 0-35, 525 GPM, SPP 3000 psi. MW 14.2 ppg, BGG 16 Units. CG 20-30 Units. | 4,834.0 | 4,877.0 |
| 13:30 | 0.50 | 8.00 | 9 | Service Rig & Equipment. | 4,877.0 | 4,877.0 |
| 14:00 | 0.50 | 8.50 | 5 | Clean rocks out of Mud Pump # 1. | 4,877.0 | 4,877.0 |
| 14:30 | 3.50 | 12.00 | 2 | Drilled 8-1/2" Pilot Hole from 4,877' to 5,112'. WOB 10-16K, ROP 0-35, 525 GPM, SPP 3000 psi. MW 14.0 ppg, BGG 16 Units. CG 20-30 Units. BOP Drill, Men at Stations 1 MIn. 35 Seconds. | 4,877.0 | 5,112.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilled 8-1/2" Pilot Hole from 5,112' to 5,389'. WOB 10-16K, ROP 0-50, 525 GPM, SPP 3000 psi. MW 14.0 ppg, BGG 20 Units. CG 20-30 Units. BOP Drill, Men at Stations 1 Min. 45 Seconds. | 5,112.0 | 5,389.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilled 8-1/2" Pilot Hole from 5,389' to 5,784'. WOB 10-16K, ROP 0-50, 525 GPM, SPP 3000 psi. MW 14.0 ppg, BGG 20 Units. CG 20-30 Units. | 5,389.0 | 5,784.0 |

## Mud Check: 4,948.0ftKB, 3/12/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/12/2014 | 4,948.0 | 14.00 | 53 | 24.0 | 17.000 | 11.000 | 15.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 328,871.00 | | | 27.0 | | 82.2/17.8 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 28.0 | | | 90.0 | |

## Mud Check: 5,550.0ftKB, 3/12/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/12/2014 | 5,550.0 | 14.00 | 48 | 23.0 | 17.000 | 11.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 321,454.00 | | | 28.0 | | 81.9/18.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 53.0 | | | 99.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,475.0 | 7,672.0 | 3,197.00 | 3/12/2014 05:00 | 3/14/2014 11:00 | 45.93 | 69.6 | 39.18 | 6.75 | 14.70 | 85.30 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/14/2014**
**Report #: 21, DFS: 16.04**
**Daily Depth Progress: 1,601.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/13/2014 06:00 | 3/14/2014 06:00 | 16.04 | 5,784.0 | 7,385.0 | 1,601.00 |

**Operations at Report Time**
Drill 8 1/2" Pilot Hole.

**Operations Summary**
Drilled 8-1/2" Pilot Hole from 5,784' to 7,385'.

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilled 8-1/2" Pilot Hole from 5,784' to 6,145'. WOB 10-16K, ROP 0-50, 525 GPM, SPP 3200 psi. MW 14.0 ppg, BGG 20-150units. CG 20-50 units. Connection Gas from Clastic 12 - 1053 units. | 5,784.0 | 6,145.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilled 8-1/2" Pilot Hole from 6,145' to 6,480'. WOB 10-16K, ROP 0-70, 525 GPM, SPP 3000 psi. MW 14.0 ppg, BGG 20-150 units. CG 20-150 Units. BOP Drill, Men to stations: 1 min 52 sec. | 6,145.0 | 6,480.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilled 8-1/2" Pilot Hole from 6,480' to 6,980'. WOB 10-16K, ROP 0-70, 525 GPM, SPP 3500 psi. MW 14.0 ppg, BGG 20-150 units. CG 20-150 Units. BOP drill 1min 45sec. | 6,480.0 | 6,980.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilled 8-1/2" Pilot Hole from 6,980' to 7,385'. WOB 10-16K, ROP 0-70, 525 GPM, SPP 3500 psi. MW 14.2 ppg, BGG 20-150 units. CG 20-250 Units. | 6,980.0 | 7,385.0 |

## Mud Check: 6,370.0ftKB, 3/13/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2014 | 6,370.0 | 14.00 | 45 | 22.0 | 16.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 323,192.000 | | | 29.0 | | 83.1/16.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 49.0 | | | 100.0 | |

## Mud Check: 7,175.0ftKB, 3/13/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2014 | 7,175.0 | 14.20 | 47 | 20.0 | 16.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 329,061.000 | | | 29.5 | | 83/17 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 23.0 | | | 103.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,475.0 | 7,672.0 | 3,197.00 | 3/12/2014 05:00 | 3/14/2014 11:00 | 45.93 | 69.6 | 39.18 | 6.75 | 14.70 | 85.30 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/15/2014**
**Report #: 22, DFS: 17.04**
**Daily Depth Progress: 287.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/14/2014 06:00 | 3/15/2014 06:00 | 17.04 | 7,385.0 | 7,672.0 | 287.00 |

**Operations at Report Time**
Run Wireline Logs.

**Operations Summary**
Drilled 8-1/2" Pilot Hole from 7,385' to 7,672'. Circulate bottoms up.Pump Dry Job and Flow check. Short trip to the shoe at 4460 ft. Trip in hole, wash 45 ft to bottom. Circulate bottoms up.gas 1375 units, raise mud wt. to 14.5ppg., Pump Dry Job and Flow Check. Trip out of the hole from 7672 ft. Work BHA. Clean rig floor, Rig up Schlumberger wire line, Run #1 Triple Combo, Run #2 Sonic Scanner

**Operations Next Report Period**
Wire Line Logs

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 5.00 | 5.00 | 2 | Drilled 8-1/2" Pilot Hole from 7,385' to 7,672'. WOB 10-16K, ROP 0-70, 525 GPM, SPP 3500 psi. MW 14.2 ppg, BGG 20-150 units. CG 20-250 Units. | 7,385.0 | 7,672.0 |
| 11:00 | 1.00 | 6.00 | 5 | Circulate bottoms up. Pump Dry Job. | 7,672.0 | 7,672.0 |
| 12:00 | 0.50 | 6.50 | 6 | Pull 5 stands. Flow check No Flow. | 7,672.0 | 7,672.0 |
| 12:30 | 1.50 | 8.00 | 6 | Trip out from 7257' to 4460'. Monitor hole on Trip Tank, hole taking proper fill. No adverse hole conditions to report. | 7,672.0 | 7,672.0 |
| 14:00 | 1.50 | 9.50 | 6 | Trip in the hole from shoe to 7633'. Monitor returns on trip tank. | 7,672.0 | 7,672.0 |
| 15:30 | 2.00 | 11.50 | 5 | Cir. bottoms up from 7672' gas 1375 units, raise mud wt. too 14.5ppg. | 7,672.0 | 7,672.0 |
| 17:30 | 6.00 | 17.50 | 6 | Pump slug & POOH to log. Pull 5 stands, Flow Check, No Flow. Continue trip out. Flow Check at shoe, No Flow. Llay out MWD tool, drain motor, break off bit, rack in derrick. | 7,672.0 | 7,672.0 |
| 23:30 | 0.50 | 18.00 | 22 | Clean oil base mud from rig floor | 7,672.0 | 7,672.0 |
| 00:00 | 1.00 | 19.00 | 22 | Rig up Schlumberger wireline | 7,672.0 | 7,672.0 |
| 01:00 | 3.50 | 22.50 | 11 | Run #1 triple combo,log from 7672' to 4460', change tools | 7,672.0 | 7,672.0 |
| 04:30 | 1.50 | 24.00 | 11 | Run #2 Sonic Scanner | 7,672.0 | 7,672.0 |

## Mud Check: 7,672.0ftKB, 3/14/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1...) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/14/2014 | 7,672.0 | 14.30 | 47 | 23.0 | 16.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 364,673.000 | | | | | 84.3/15.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 64.0 | | | 116.0 | |

## Mud Check: 7,672.0ftKB, 3/14/2014 22:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1...) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/14/2014 | 7,672.0 | 14.50 | 53 | 23.0 | 16.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 364,667.000 | | | | | 84.2/15.8 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 10.0 | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,475.0 | 7,672.0 | 3,197.00 | 3/12/2014 05:00 | 3/14/2014 11:00 | 45.93 | 69.6 | 39.18 | 6.75 | 14.70 | 85.30 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |



**Report Printed: 4/1/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/15/2014**
**Report #: 22, DFS: 17.04**
**Daily Depth Progress: 287.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/16/2014**
**Report #: 23, DFS: 18.04**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/15/2014 06:00 | 3/16/2014 06:00 | 18.04 | 7,672.0 | 7,672.0 | 0.00 |

**Operations at Report Time**
Bond Loggging 9 5/8

**Operations Summary**
Complete Wireline logging Run #2. Rig down wireline equipment. Rig tubing handling equipment. Pickup and makeup 2 7/8" tubing for plug back tail. Run tubing in hole on 4 1/2" drillpipe. Circulate prior setting balanced plug. Set balanced plug with HES. Pull above plug and circulate out cement. Trip out of the hole, lay down tubing tail. lay down drill collars, rig up Weatherford wire line.

**Operations Next Report Period**
Wire Line Logs

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 3.00 | 3.00 | 11 | Run #2 Sonic Scanner | 7,672.0 | 7,672.0 |
| 09:00 | 1.00 | 4.00 | 11 | Rig down wireline equipment. | 7,672.0 | 7,672.0 |
| 10:00 | 0.50 | 4.50 | 22 | Clean and Clear Drill Floor. Pre Job Safety Meeting on Tubing Handling. | 7,672.0 | 7,672.0 |
| 10:30 | 0.50 | 5.00 | 1 | Pickup and Rig up 2 7/8" Tubing handling tools. | 7,672.0 | 7,672.0 |
| 11:00 | 1.50 | 6.50 | 6 | Pickup and makeup 33 joints(1,059.95') of 2 7/8" 6.5 ppf N-80 tubing.. Rig down handling tools. | 7,672.0 | 7,672.0 |
| 12:30 | 4.00 | 10.50 | 6 | Makeup Tubing to DP crossover. Run tubing tail in the hole on 4 1/2" -16.6 ppf from 1060' to 7,667'.<br>Trip Drill - Men to Staions: 2 min 7 sec. | 7,672.0 | 7,672.0 |
| 16:30 | 2.50 | 13.00 | 5 | Circulate prior to setiing balanced plug. Mud Weight: 14.5 ppg, Max Gas: 627 units. | 7,672.0 | 7,672.0 |
| 19:00 | 1.50 | 14.50 | 18 | Safety meeting, rig up iron, test lines to 3500psi, mix & pump, 31.2bbls. spacer @ 16.5ppg yield 1.16, 87.6 bbls. = 400sks. cement @ 17.5ppg, yield 1.23, 8.8bbls spacer @ 16.5ppg, yield 1.16, drop wiper ball, displace with 81.8bbls. mud @ 14.5ppg. shut down press down to 0psi. break off Halb. iron, Cement in place 20:30. | 7,672.0 | 7,672.0 |
| 20:30 | 1.50 | 16.00 | 6 | POOH 17stds. to 6000ft. @ 3mps | 7,672.0 | 7,672.0 |
| 22:00 | 1.00 | 17.00 | 5 | Cir. out spacer & cement, got back 35bbls. spacer, 5bbls. cement, 7bbls. contamanated mud. Rate 6.5 bpm, P= 1000 psi. | 7,672.0 | 7,672.0 |
| 23:00 | 2.50 | 19.50 | 6 | Pump slug & POOH to 2 7/8" tubing | 7,672.0 | 7,672.0 |
| 01:30 | 0.50 | 20.00 | 22 | pull rotating rubber, install trip nipple, rig up 2 7/8" tubing handling equip. | 7,672.0 | 7,672.0 |
| 02:00 | 2.00 | 22.00 | 6 | Lay down 2 7/8" tubing, & rig down tubing handling equip. | 7,672.0 | 7,672.0 |
| 04:00 | 1.50 | 23.50 | 6 | Lay down 6 1/2" drill collars | 7,672.0 | 7,672.0 |
| 05:30 | 0.50 | 24.00 | 11 | Rig up Weatherford wire line to run CBL | 7,672.0 | 7,672.0 |

## Mud Check: 7,672.0ftKB, 3/15/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/15/2014 | 7,672.0 | 14.60 | 56 | 23.0 | 16.000 | 9.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 345,428.000 | | | 31.0 | | 82.6/17.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/16/2014**
**Report #: 23, DFS: 18.04**
**Daily Depth Progress: 0.00**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

**Mud Check: 6,388.0ftKB, 3/15/2014 23:30**

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/15/2014 | 6,388.0 | 14.70 | 59 | 24.0 | 15.000 | 9.000 | 13.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 314,374.00 0 | | | 31.0 | | 82.6/17.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

**Daily Drilling Performance**

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/17/2014**
**Report #: 24, DFS: 19.04**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/16/2014 06:00 | 3/17/2014 06:00 | 19.04 | 7,672.0 | 7,672.0 | 0.00 |

**Operations at Report Time**
Drilling cement

**Operations Summary**
Wait on Cement. Complete bond log in 9 5/8" casing. Rig up MPD equipment on wellhead. Pickup 30 jnts of HWDP. Makeup 8 1/2" build assembly. TIH to 6200' wash to 6315', drill cement from 6315' to 6780',

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.00 | 2.00 | 11 | Run CBL in 9 5/8" casing. Monitor hole on trip tank while logging. | 7,672.0 | 7,672.0 |
| 08:00 | 0.50 | 2.50 | 11 | Rig down wireline equipment. | 7,672.0 | 7,672.0 |
| 08:30 | 1.00 | 3.50 | 1 | Rig up MPD equipment on the rotating head. | 7,672.0 | 7,672.0 |
| 09:30 | 3.00 | 6.50 | 6 | Pickup and Makeup 30 jnts of 4 1/2" Hevi-Wate drillpipe. Rack in derrick. | 7,672.0 | 7,672.0 |
| 12:30 | 1.50 | 8.00 | 13 | WOC | 7,672.0 | 7,672.0 |
| 14:00 | 5.00 | 13.00 | 6 | Make up new bit & curve BHA, surface test motor and MWD. | 7,672.0 | 7,672.0 |
| 19:00 | 3.50 | 16.50 | 6 | TIH to 6200ft. hit cement stringers | 7,672.0 | 7,672.0 |
| 22:30 | 0.50 | 17.00 | 5 | Wash from 6200' to 6315' tagged firm cement | 7,672.0 | 7,672.0 |
| 23:00 | 7.00 | 24.00 | 2 | Drill firm cement from 6315' to 6780', WOB 10/18, SPM 120, SPP 3200psi, RPM 30, max trip gas 310 units | 7,672.0 | 7,672.0 |

## Mud Check: 6,388.0ftKB, 3/16/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/16/2014 | 6,388.0 | 14.70 | 60 | 24.0 | 16.000 | 9.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 322,415.00 0 | | | 31.0 | | 82.6/17.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 6.0 | | | | |

## Mud Check: 6,650.0ftKB, 3/16/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/16/2014 | 6,650.0 | 14.80 | 58 | 26.0 | 16.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 322,415.00 0 | | | 31.0 | | 82.6/17.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 2.0 | | | 90.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft...) | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/18/2014**
**Report #: 25, DFS: 20.04**
**Daily Depth Progress: 530.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/17/2014 06:00 | 3/18/2014 06:00 | 20.04 | 6,795.0 | 7,325.0 | 530.00 |

**Operations at Report Time**
Drilling

**Operations Summary**
Drill cement from 6780' to 6795'. Drill with 8 1/2" Build Assembly, (KOP 6795 ft) from 6795' to 7325'. .

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 2 | Drill cement from 6780' to 6795' | 6,780.0 | 6,795.0 |
| 06:30 | 5.50 | 6.00 | 2 | Drilling building curve from 6795' to 6870', WOB 10, SPP 3500, RPM 30, Flow 476 gpm. | 6,795.0 | 6,870.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilling building curve from 6870' to 6980', WOB 10/15, SPP 3500, Pump rate 476 gpm. Bgas: 35 units, MW 14.5 ppg. | 6,870.0 | 6,980.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilling building curve from 6980' to 7150', WOB 10/15, SPP 3500, Pump rate 476 gpm,Bgas: 35 units, SPR 60-900psi, 50-770psi, 40-568psi | 6,980.0 | 7,150.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilling building curve from 7150' to 7325', WOB 10/15, SPP 3500, Pump rate 476 gpm, RPM 30, Bgas 30units, Cgas 185 units, BOP drill 1min. 32sec. | 7,150.0 | 7,325.0 |

## Mud Check: 9,885.0ftKB, 3/17/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/17/2014 | 9,885.0 | 14.50 | 51 | 30.0 | 17.000 | 12.000 | 17.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 385,680.00 | | | 30.0 | | 82.9/17.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 94.0 | |

## Mud Check: 7,205.0ftKB, 3/17/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/17/2014 | 7,205.0 | 14.55 | 58 | 28.0 | 18.000 | 13.000 | 19.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 356,944.00 | | | 30.0 | | 82.1/17.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 98.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 6,795.0 | 7,894.0 | 1,099.00 | 3/17/2014 06:30 | 3/19/2014 08:00 | 41.50 | 26.5 | 12.50 | 29.00 | 69.88 | 30.12 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/19/2014**
**Report #: 26, DFS: 21.04**
**Daily Depth Progress: 549.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/18/2014 06:00 | 3/19/2014 06:00 | 21.04 | 7,325.0 | 7,874.0 | 549.00 |

Operations at Report Time
drilling

Operations Summary
Drill with 8 1/2" Build Assembly from 7,325' to 7,874'. Pumping LCM sweep after connection. Top of cane creek 7,724 MD

Operations Next Report Period
Trips

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilling building curve from 7,325' to 7,519', WOB 10/15, SPP 3500, Pump rate 476 gpm, RPM 30, Bgas 40units, Cgas 140-185 units, | 7,325.0 | 7,519.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilling building curve from 7519' to 7737', WOB 10/15, SPP 3500, Pump rate 476 gpm, RPM 30, Bgas 40units, Cgas 140-185 units, BOP Drill: 128 sec. | 7,519.0 | 7,737.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilling building curve from 7737' to 7822', WOB 10/30, SPP 3500, Pump rate 476 gpm, RPM 30, Bgas 40units, Cgas 271 units, sample from 7740' 85% salt, 15% dol. tr black shale. | 7,737.0 | 7,822.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilling building curve from 7822' to 7874', WOB 10/30, SPP 3500, Pump rate 476 gpm, RPM 30, Bgas 40units, Cgas 321 units, sample from 7860' 100% dolomite tr black shale, pumping LCM sweeps on conn. ECD-15.2 ppg | 7,822.0 | 7,874.0 |

## Mud Check: 7,624.0ftKB, 3/18/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/18/2014 | 7,624.0 | 14.50 | 50 | 28.0 | 16.000 | 13.000 | 19.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 42,000.000 | 17,600.000 | | | 29.5 | 342,696 | 82.3/17.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 18.0 | | | | |

## Mud Check: 7,860.0ftKB, 3/18/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/18/2014 | 7,860.0 | 14.60 | 58 | 28.0 | 17.000 | 14.000 | 20.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 48,818.000 | 17,200.000 | | | 30.0 | 361,704 | 83.6/16.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 11.0 | | | 103.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 6,795.0 | 7,894.0 | 1,099.00 | 3/17/2014 06:30 | 3/19/2014 08:00 | 41.50 | 26.5 | 12.50 | 29.00 | 69.88 | 30.12 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/20/2014**
**Report #: 27, DFS: 22.04**
**Daily Depth Progress: 20.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/19/2014 06:00 | 3/20/2014 06:00 | 22.04 | 7,874.0 | 7,894.0 | 20.00 |

Operations at Report Time
TIH

Operations Summary
Drill curve to 7894'. TOOH to LD Curve BHA and PU Lateral BHA. TIH, cut drill line,

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.00 | 2.00 | 2 | Drilling curve from 7874' to 7894' | 7,874.0 | 7,894.0 |
| 08:00 | 1.00 | 3.00 | 5 | Cir, hole clean, check flow & pump slug | 7,894.0 | 7,894.0 |
| 09:00 | 0.50 | 3.50 | 6 | POOH from 7895' to 7758' | 7,894.0 | 7,894.0 |
| 09:30 | 4.50 | 8.00 | 3 | work thru tight spots from 7758' to 6800', (ream and pump as needed) | 7,894.0 | 7,894.0 |
| 14:00 | 2.00 | 10.00 | 6 | POOH from 6800' to 2800' | 7,894.0 | 7,894.0 |
| 16:00 | 0.50 | 10.50 | 22 | pull rotating rubber & install trip nipple | 7,894.0 | 7,894.0 |
| 16:30 | 2.50 | 13.00 | 6 | POOH from 2800' to BHA | 7,894.0 | 7,894.0 |
| 19:00 | 2.50 | 15.50 | 6 | Lay down curve BHA | 7,894.0 | 7,894.0 |
| 21:30 | 3.00 | 18.50 | 6 | Pick up laterial BHA, orientate tool, surface test | 7,894.0 | 7,894.0 |
| 00:30 | 3.50 | 22.00 | 6 | TIH, filling pipe every 20stds. to shoe | 7,894.0 | 7,894.0 |
| 04:00 | 2.00 | 24.00 | 21 | Test MWD, & slip & cut 60ft. drill line, service rig | 7,894.0 | 7,894.0 |

## Mud Check: 7,894.0ftKB, 3/19/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/19/2014 | 7,894.0 | 14.65 | 50 | 29.0 | 16.000 | 14.000 | 20.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 42,000.000 | 17,200.000 | | | 30.0 | | 82.9/17.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 15.0 | | | | |

## Mud Check: 7,894.0ftKB, 3/19/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/19/2014 | 7,894.0 | 14.65 | 55 | 29.0 | 16.000 | 14.000 | 20.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 42,000.000 | 17,200.000 | | | 30.0 | 347,657 | 82.9/17.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 16.0 | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 6,795.0 | 7,894.0 | 1,099.00 | 3/17/2014 06:30 | 3/19/2014 08:00 | 41.50 | 26.5 | 12.50 | 29.00 | 69.88 | 30.12 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/21/2014**
**Report #: 28, DFS: 23.04**
**Daily Depth Progress: 489.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/20/2014 06:00 | 3/21/2014 06:00 | 23.04 | 7,894.0 | 8,383.0 | 489.00 |

**Operations at Report Time**
drilling

**Operations Summary**
TIH, log with P-ZIG, drill from 7894' to 8383', cutting mud wt. back to 14.0ppg

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 21 | Finish cutting drill line | 7,894.0 | 7,894.0 |
| 06:30 | 1.00 | 1.50 | 7 | service rig, change gripper blocks on iron roughneck, add oil to top drive | 7,894.0 | 7,894.0 |
| 07:30 | 3.00 | 4.50 | 6 | TIH to 7400' filling pipe every 20stds. | 7,894.0 | 7,894.0 |
| 10:30 | 0.50 | 5.00 | 22 | Remove trip nipple, & install new rotating rubber | 7,894.0 | 7,894.0 |
| 11:00 | 0.50 | 5.50 | 6 | TIH to 7715' | 7,894.0 | 7,894.0 |
| 11:30 | 3.50 | 9.00 | 5 | Log with P-ZIG from 7724' to 7894' | 7,894.0 | 7,894.0 |
| 15:00 | 3.00 | 12.00 | 2 | Drilling from 7894' to 7965', WOB 18/25, SPM 65/65, pump rate 455gpm, (sample from 7960 100% dolomite) BOP drill 1min 34sec. | 7,894.0 | 7,965.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilling from 7965' to 8140', WOB 18/25, SPM 65/65, pump rate 455gpm, SPP 3770psi.,sample 8080' 100% dolomite, tr black shale & anhydrite | 7,965.0 | 8,140.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilling from 8140' to 8383', WOB 18/25, SPM 65/65, pump rate 455gpm, SPP 3770psi.,sample 8320' 95% dolomite, 5% anhydrite | 8,140.0 | 8,383.0 |

## Mud Check: 7,911.0ftKB, 3/20/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/20/2014 | 7,911.0 | 14.70 | 52 | 26.0 | 18.000 | 14.000 | 20.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 42,000.000 | | | | 30.5 | | 84.2/15.8 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 16.0 | 6.0 | | | 106.0 | |

## Mud Check: 8,262.0ftKB, 3/22/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/22/2014 | 8,262.0 | 14.30 | 51 | 22.0 | 16.000 | 13.000 | 18.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,698.000 | 17,200.000 | | | 30.0 | 375,717 | 84.3/15.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 36.0 | | | 108.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/22/2014**
**Report #: 29, DFS: 24.04**
**Daily Depth Progress: 588.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/21/2014 06:00 | 3/22/2014 06:00 | 24.04 | 8,383.0 | 8,971.0 | 588.00 |

Operations at Report Time
drilling

Operations Summary
Drill from 8383' to 8933', Cir. & work on mud pump, drill from 8933' to 8971' at reduced drill rate on 1 pump

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilling lateral section from 8383' to 8573', WOB 20/25, RPM 35, pump rate 67/67, SPP 3700psi. | 8,383.0 | 8,573.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilling lateral section from 8573' to 8715', WOB 20/25, RPM 35, pump rate 67/67, SPP 3700psi., BOP drill 1min, 27sec. last sample 8700' 100% dolomite | 8,573.0 | 8,715.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilling lateral section from 8715' to 8910', WOB 20/25, RPM 35, pump rate 67/67, SPP 3700psi. | 8,715.0 | 8,910.0 |
| 00:00 | 1.00 | 19.00 | 2 | Drilling lateral section from 8910' to 8933', WOB 20/25, RPM 35, pump rate 66/66, SPP 3600psi. | 8,910.0 | 8,933.0 |
| 01:00 | 3.00 | 22.00 | 8 | Cir. on 1 mud pump while working on pulsation dampner on other mud pump | 8,933.0 | 8,933.0 |
| 04:00 | 2.00 | 24.00 | 2 | Drilling lateral section from 8933' to 8971', WOB 15, RPM 35, pump rate 110, SPP 2700psi. Last sample from 8933' 100% dolomite | 8,933.0 | 8,971.0 |

## Mud Check: 8,645.0ftKB, 3/21/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/21/2014 | 8,645.0 | 13.80 | 45 | 22.0 | 16.000 | 10.000 | 13.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,000.000 | | | | 27.5 | | 84.1/15.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 71.0 | | | | |

## Mud Check: 8,933.0ftKB, 3/21/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/21/2014 | 8,933.0 | 13.85 | 48 | 22.0 | 16.000 | 12.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 41,000.000 | 15,200.000 | | | 28.0 | 321,579 | 84/16 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 44.0 | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/23/2014**
**Report #: 30, DFS: 25.04**
**Daily Depth Progress: 405.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/22/2014 06:00 | 3/23/2014 06:00 | 25.04 | 8,971.0 | 9,376.0 | 405.00 |

Operations at Report Time
drilling

Operations Summary
drill from 8971' to 9027', service rig, drill from 9027' to 9071', work on mud pumps, drill from 9071' to 9376'

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 5.50 | 5.50 | 2 | Drill 8 1/2" hole from 8971' to 9027', WOB 15/20, RPM 35, SPM 110, SPP 2800psi, | 8,971.0 | 9,027.0 |
| 11:30 | 0.50 | 6.00 | 7 | Service rig & top drive | 9,027.0 | 9,027.0 |
| 12:00 | 3.00 | 9.00 | 2 | Drill 8 1/2" hole from 9027' to 9071', WOB 15/20, RPM 35, SPM 110, SPP 2800psi, | 9,027.0 | 9,071.0 |
| 15:00 | 3.00 | 12.00 | 8 | Repair mud pump, charging pump line washed out | 9,071.0 | 9,071.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill 8 1/2" hole from 9071' to 9245', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, BOP drill 1min 23sec. last sample 9200 95% dolomite, 5% anhydrite | 9,071.0 | 9,245.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill 8 1/2" hole from 9245' to 9376', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, BOP drill 1min 23sec. last sample 9300ft. 100% dolomite | 9,245.0 | 9,376.0 |

## Mud Check: 9,050.0ftKB, 3/22/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/22/2014 | 9,050.0 | 13.80 | 46 | 23.0 | 15.000 | 13.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 39,000.000 | 14,800.000 | | | 27.0 | | 84.9/15.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 18.0 | | | | |

## Mud Check: 9,303.0ftKB, 3/22/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/22/2014 | 9,303.0 | 13.85 | 50 | 22.0 | 15.000 | 12.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 52,485.000 | 15,200.000 | | | 28.0 | 334,868 | 84.7/15.3 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 16.0 | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



Report Printed: 4/1/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/24/2014**
**Report #: 31, DFS: 26.04**
**Daily Depth Progress: 514.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/23/2014 06:00 | 3/24/2014 06:00 | 26.04 | 9,376.0 | 9,890.0 | 514.00 |

Operations at Report Time
drilling

Operations Summary
Drilling ahead from 9376' to 9890' line up thru MPD after conn. at 9890'

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 12.00 | 12.00 | 2 | Drill 8 1/2" hole from 9376' to 9620', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, BOP drill 1min 42sec. last sample 9600ft. 100% dolomite | 9,376.0 | 9,620.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill 8 1/2" hole from 9620' to 9735', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, | 9,620.0 | 9,735.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill 8 1/2" hole from 9735' to 9890', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, BOP drill 1min 5sec. last sample 9850ft. 100% dolomite Line up to MPD after conn. at 9890' | 9,735.0 | 9,890.0 |

## Mud Check: 9,583.0ftKB, 3/23/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/23/2014 | 9,583.0 | 13.80 | 48 | 23.0 | 16.000 | 12.000 | 15.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 44,000.000 | | | | 27.5 | | 85.5/14.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 27.0 | | | | |

## Mud Check: 9,845.0ftKB, 3/23/2014 23:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/23/2014 | 9,845.0 | 13.85 | 48 | 23.0 | 16.000 | 12.000 | 15.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 33,717.000 | | | | 28.5 | | 85.3/14.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



Report Printed: 4/1/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/25/2014**
**Report #: 32, DFS: 27.04**
**Daily Depth Progress: 447.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/24/2014 06:00 | 3/25/2014 06:00 | 27.04 | 9,890.0 | 10,337.0 | 447.00 |

**Operations at Report Time**
drilling

**Operations Summary**
Drill ahead from 9890' to 10,337', while holding back press on well with MPD,

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drill 8 1/2" hole from 9890' to 10,048', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, WHP 55psi., BOP drill 1min 13sec. | 9,890.0 | 10,048.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drill 8 1/2" hole from 10048' to 10,150', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, WHP 55psi., | 10,048.0 | 10,150.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill 8 1/2" hole from 10150' to 10,265', WOB 15/20, RPM 35, SPM 66/65, SPP 3700psi, WHP 136psi. ECD 14.86ppg | 10,150.0 | 10,265.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill 8 1/2" hole from 10,265' to 10,337', WOB 15/20, RPM 35, SPM 60/60, SPP 3550psi, WHP 278psi. ECD 15.24ppg. last sample from 10,300', 90% dolomite, 10% black shale, BOP drill 1min. | 10,265.0 | 10,337.0 |

## Mud Check: 10,100.0ftKB, 3/24/2014 06:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/24/2014 | 10,100.0 | 13.85 | 48 | 25.0 | 17.000 | 14.000 | 17.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 39,000.000 | 14,800.000 | | | 28.0 | | 86.1/13.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 109.0 | |

## Mud Check: 10,294.0ftKB, 3/24/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/24/2014 | 10,294.0 | 13.90 | 49 | 24.0 | 17.000 | 17.000 | 24.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,038.000 | 15,200.000 | | | 28.5 | | 86/14 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 109.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/26/2014**
**Report #: 33, DFS: 28.04**
**Daily Depth Progress: 219.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/25/2014 06:00 | 3/26/2014 06:00 | 28.04 | 10,337.0 | 10,556.0 | 219.00 |

**Operations at Report Time**
Drilling

**Operations Summary**
Drill from 10,337' to 10,371', change gripper dies, change wash pipe, drill from 10,371' to 10,487', cir. out gas & raise mud wt. to 15.3 ppg while repairing rig. Drill from 10,487' to 10,556' raise mud wt. to 15.5 ppg.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 2 | Drill from 10,337' to 10,371', while holding back press on well with Halbiburrton MPD | 10,337.0 | 10,371.0 |
| 07:00 | 2.00 | 3.00 | 7 | Service rig & top drive, lay down 1 jt. change gripper dies & swivel packing | 10,371.0 | 10,371.0 |
| 09:00 | 6.00 | 9.00 | 2 | Drill from 10,371' to 10,487', holding back pressure on well with MPD | 10,371.0 | 10,487.0 |
| 15:00 | 3.00 | 12.00 | 5 | Circulate out gas, & raise mud wt. to 14.5ppg. close hy-drill, MPD press 822psi. gas 5387 units. mud cut 13.5ppg. (BLOWER MOTOR OUT ON DRAWORKS MOTOR A, CANNOT WORK PIPE, ROTATE ONLY) | 10,487.0 | 10,487.0 |
| 18:00 | 6.00 | 18.00 | 5 | Circulate out gas, & raise mud wt. to 15.3 ppg. open Hy-drill with 15.0 ppg around, MPD press 430psi. gas 1085 units. mud out 15.2+ppg. (BLOWER MOTOR OUT ON DRAWORKS MOTOR A, CANNOT WORK PIPE, ROTATE ONLY) blower motor repaired | 10,487.0 | 10,487.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill from 10,487' to 10,556', raise mud wt. to 15.5 ppg, WOB 15/20, pump rate 384, SPP 3700 psi, RPM 35, MPD 385 psi. ECD 17.2 ppg. BOP drill 1 min 5 sec. | 10,487.0 | 10,556.0 |

## Mud Check: 10,487.0ftKB, 3/25/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/25/2014 | 10,487.0 | 14.00 | 49 | 21.0 | 23.000 | 16.000 | 23.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 31,000.000 | | | | 29.0 | | 87.3/12.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Mud Check: 10,533.0ftKB, 3/25/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/25/2014 | 10,533.0 | 15.50 | 54 | 31.0 | 25.000 | 15.000 | 26.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 27,167.000 | | | | 35.0 | | 86.9/13.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 6.0 | | | 110.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft...) | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



Report Printed: 4/1/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/27/2014**
**Report #: 34, DFS: 29.04**
**Daily Depth Progress: 279.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/26/2014 06:00 | 3/27/2014 06:00 | 29.04 | 10,556.0 | 10,835.0 | 279.00 |

**Operations at Report Time**
Drilling

**Operations Summary**
Drilling ahead from 10,556' to 10,567', MW = 15.5 ppg. Circulate and POOH 2 stands, repair O-ring on stand pipe union, TIH, drill from 10,567' to 10,835.'

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 2 | Drill from 10556' to 10567',( stand pipe leaking) | 10,556.0 | 10,567.0 |
| 07:00 | 0.50 | 1.50 | 6 | Circulate 10 mins., & POOH 2 stds. | 10,567.0 | 10,567.0 |
| 07:30 | 1.00 | 2.50 | 8 | Change O-ring on stand pipe union in derrick | 10,567.0 | 10,567.0 |
| 08:30 | 0.50 | 3.00 | 6 | TIH to 10556' | 10,567.0 | 10,567.0 |
| 09:00 | 9.00 | 12.00 | 2 | Drill from 10,567' to 10,700', WOB 20/25, RPM 35, pump rate 391gpm, SPP 3800psi, well head press 300psi, ECD 17.05 BOP drill 1min 13sec. | 10,567.0 | 10,700.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill from 10,700' to 10,752', WOB 20/25, RPM 35, pump rate 391gpm, SPP 3800psi, well head press 300psi, ECD 17.05 | 10,700.0 | 10,752.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill from 10,752' to 10,835', WOB 20/25, RPM 35, pump rate 391gpm, SPP 3800psi, well head press 300psi, ECD 17.05. BOP drill 1min. | 10,752.0 | 10,835.0 |

## Mud Check: 10,672.0ftKB, 3/26/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/26/2014 | 10,672.0 | 15.50 | 57 | 32.0 | 25.000 | 17.000 | 28.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 35,000.000 | | | | 35.0 | | 87.7/12.3 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | -25.0 | | | 122.0 | |

## Mud Check: 10,752.0ftKB, 3/26/2014 23:59

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/26/2014 | 10,752.0 | 15.50 | 58 | 32.0 | 25.000 | 16.000 | 25.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,000.000 | | | | 34.0 | | 87.9/12.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 123.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/28/2014**
**Report #: 35, DFS: 30.04**
**Daily Depth Progress: 345.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/27/2014 06:00 | 3/28/2014 06:00 | 30.04 | 10,835.0 | 11,180.0 | 345.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section

**Operations Summary**
Drillled 8-1/2" Lateral Section from 10,835' to 11,180'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drill from 10,835' to 10,909', WOB 20/25, RPM 35, pump rate 391gpm, SPP 3800psi, well head press 300psi, ECD 17.05. | 10,835.0 | 10,909.0 |
| 12:00 | 5.00 | 11.00 | 2 | Drill from 10,909' to 10,989.0', WOB 20/25, RPM 35, pump rate 391gpm, SPP 3800psi, well head press 300psi, ECD 17.05. BOP Drill Men at Stations in 47 seconds. | 10,909.0 | 10,989.0 |
| 17:00 | 0.25 | 11.25 | 9 | Service Rig & Equipment. Replace Valve Cap Gasket on Mud Pump # 1. | 10,989.0 | 10,989.0 |
| 17:15 | 6.75 | 18.00 | 2 | Drill from 10,989' to 11,105', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 10,989.0 | 11,105.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill from 11,105' to 11,180', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,105.0 | 11,180.0 |

## Mud Check: 10,960.0ftKB, 3/27/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/27/2014 | 10,960.0 | 15.50 | 55 | 34.0 | 20.000 | 14.000 | 23.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 300,796.000 | | | | 34.5 | | 87.8/12.2 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 122.0 | |

## Mud Check: 11,070.0ftKB, 3/28/2014 23:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/2014 | 11,070.0 | 15.50 | 57 | 33.0 | 22.000 | 15.000 | 24.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 310,967.000 | | | | 34.5 | | 87.8/12.2 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 123.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY Exploration & Production Company
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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/29/2014**
**Report #: 36, DFS: 31.04**
**Daily Depth Progress: 393.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/28/2014 06:00 | 3/29/2014 06:00 | 31.04 | 11,180.0 | 11,573.0 | 393.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section

**Operations Summary**
Drilled 8-1/2" Lateral Section from 11,180' to 11,573'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drill from 11,180' to 11,280', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,180.0 | 11,280.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drill from 11,280' to 11,376', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 250 psi, ECD 17.05<br>BOP Drill, Men at Stations in 41 Seconds. | 11,280.0 | 11,376.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill from 11,376' to 11,483', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 250psi, ECD 17.05 | 11,376.0 | 11,483.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill from 11,483' to 11,573', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,483.0 | 11,573.0 |

### Mud Check: 11,320.0ftKB, 3/28/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/28/2014 | 11,320.0 | 15.60 | 53 | 34.0 | 20.000 | 16.000 | 25.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 31,000.000 | 10,800.000 | | | 35.0 | | 87.7/12.3 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 25.0 | | | | |

### Mud Check: <depth>ftKB, 3/29/2014 22:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | | 15.60 | 53 | 34.0 | 20.000 | 16.000 | 25.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 31,000.000 | 10,800.000 | | | 35.0 | | 87.7/12.3 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 25.0 | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/30/2014**
**Report #: 37, DFS: 32.04**
**Daily Depth Progress: 218.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/29/2014 06:00 | 3/30/2014 06:00 | 32.04 | 11,573.0 | 11,791.0 | 218.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section

**Operations Summary**
Drilled 8-1/2" Lateral Section from 11,573' to 11,791'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drill from 11,573' to 11,639', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,573.0 | 11,639.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drill from 11,639' to 11,698', WOB 20/25, RPM 38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17<br>BOP Drill, Men at Stations in 75 Seconds | 11,639.0 | 11,698.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill from 11,698' to 11,727', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,698.0 | 11,727.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drill from 11,727' to 11,791', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,727.0 | 11,791.0 |

## Mud Check: 11,676.0ftKB, 3/29/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | 11,676.0 | 15.60 | 54 | 35.0 | 22.000 | 15.000 | 25.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 36,000.000 | 12,000.000 | | | 35.5 | | 87.6/12.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 20.0 | | | 125.0 | |

## Mud Check: 11,727.0ftKB, 3/30/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/30/2014 | 11,727.0 | 15.55 | 55 | 35.0 | 17.000 | 10.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 32,000.000 | 12,000.000 | | | 35.0 | | 87.8/12.2 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 33.0 | | | 125.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 3/31/2014**
**Report #: 38, DFS: 33.04**
**Daily Depth Progress: 183.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/30/2014 06:00 | 3/31/2014 06:00 | 33.04 | 11,791.0 | 11,974.0 | 183.00 |

**Operations at Report Time**
Change Rotating Head Bushing.

**Operations Summary**
Drilled 8-1/2" Lateral Section from 11,791' to 11,974'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drill from 11,791' to 11,828', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 300psi, ECD 17.17 | 11,791.0 | 11,828.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drill from 11,828' to 11,865', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 275 psi, ECD 17.05<br>BOP Drill, Men at Stations in 55 Seconds. | 11,828.0 | 11,865.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drill from 11,865' to 11,921', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 275 psi, ECD 17.05 | 11,865.0 | 11,921.0 |
| 00:00 | 5.00 | 23.00 | 2 | Drill from 11,921' to 11,974', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 275 psi, ECD 17.05<br>BOP Drill, Men at Stations in 60 Seconds | 11,921.0 | 11,974.0 |
| 05:00 | 1.00 | 24.00 | 8 | Change out Rotating Head Bushing. | 11,974.0 | 11,974.0 |

## Mud Check: 11,845.0ftKB, 3/30/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/30/2014 | 11,845.0 | 15.60 | 55 | 36.0 | 16.000 | 13.000 | 19.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 30,000.000 | 11,200.000 | | | 35.0 | | 88.5/11.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 39.0 | | | 125.0 | |

## Mud Check: 11,918.0ftKB, 3/31/2014 23:59

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/31/2014 | 11,918.0 | 15.60 | 58 | 34.0 | 18.000 | 9.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 34,000.000 | 14,000.000 | | | 34.0 | | 88.6/11.4 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 125.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/1/2014**
**Report #: 39, DFS: 34.04**
**Daily Depth Progress: 51.00**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | Section 32 T25S R9E |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Delbert Sullivan | | | 2/20/2014 18:00 | |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 385.95 | 38.79 | 33.1 | 38.1 | 14.5 | 78.41 | 21.59 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 12,240.0 | 3/17/2014 | 6,795.0 | 6,793.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 3/31/2014 06:00 | 4/1/2014 06:00 | 34.04 | 11,974.0 | 12,025.0 | 51.00 |

**Operations at Report Time**
Trip in hole to 12.025'.

**Operations Summary**
Drilled 8-1/2" Lateral Section to TD @ 12,025'. Wiper trip to 6,750', RIH to 12,025'.

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 8 | Changed out Rotating Head Bushing. | 11,974.0 | 11,974.0 |
| 07:00 | 6.50 | 7.50 | 2 | Drill from 11,974' to 12,025', WOB 20/25, RPM 0-38, pump rate 384gpm, SPP 3950psi, well head press 275 psi, ECD 17.05<br>BOP Drill, Men at Stations in 60 Seconds | 11,974.0 | 12,025.0 |
| 13:30 | 3.00 | 10.50 | 5 | Circulated Hole Clean. | 12,025.0 | 12,025.0 |
| 16:30 | 1.50 | 12.00 | 6 | Wipe Hole from 12,025' to 11,406', pulling at 7 minutes/stand. MPD holding 600 psi on backside.<br>Held BOP Drill, Men at Stations in 57 Seconds. | 12,025.0 | 12,025.0 |
| 18:00 | 6.50 | 18.50 | 6 | Wiped hole from 11,406' to 6,750', pulling speed 5-7 minutes/stand. Tight Spot at 7,630'. MPD holding 600 psi on backside. | 12,025.0 | 12,025.0 |
| 00:30 | 5.50 | 24.00 | 6 | Trip in hole from 6,750' to 12,025' at 5 minutes / stand. MPD Holding 575 psi on backside. | 12,025.0 | 12,025.0 |

## Mud Check: 12,025.0ftKB, 3/31/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/31/2014 | 12,025.0 | 15.60 | 55 | 34.0 | 20.000 | 13.000 | 18.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 34,000.000 | 13,600.000 | | | 34.5 | | 88.5/11.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 34.0 | | | | |

## Mud Check: 12,025.0ftKB, 4/1/2014 23:59

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/1/2014 | 12,025.0 | 15.60 | 65 | 34.0 | 19.000 | 10.000 | 20.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 34,000.000 | 13,600.000 | | | 34.5 | | 88.5/11.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,894.0 | 12,025.0 | 4,131.00 | 3/20/2014 17:00 | 3/31/2014 16:30 | 216.52 | 19.1 | 168.93 | 47.59 | 21.98 | 78.02 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 |



**Report Printed: 4/1/2014**

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43 019 50037

# FIDELITY EXPLORATION & PRODUCTION CO.

## CANE CREEK UNIT # 32-1-25-19

**SW/SW Sec 32, T25S, R19E**

**GRAND COUNTY, UTAH**

GEOLOGY REPORT
by

Hal Schmidt
Consulting Geologist
Hal Schmidt LLC
10 Heather Way
Golden, Colorado 80401
Bus: 303-279-4013
Cell: 303-919-7822

Kent Roddy
Consulting Geologist
Kent Roddy LLC
2024 Colorado Ave.
Rockford, Illinois 61108
Cell: 406-370-5368

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

| | |
|---|---|
| **OPERATOR:** | **FIDELITY EXPLORATION & PRODUCTION CO.** |
| **ADDRESS:** | 1801 California St. Suite 2500, Denver, CO. 80202 |
| **WELL NAME:** | **CANE CREEK UNIT # 32-1-25-19** |
| **API #:** | 430-19-500370000 |
| **SURFACE LOCATION:** | 1114' FSL & 858' FWL,<br>SW/SW SEC 32, T25S, R19E |
| **FIELD:** | Cane Creek Unit |
| **COUNTY, STATE** | Grand, Utah |
| **BASIN:** | Paradox |
| **WELL TYPE:** | Exploratory |
| **BASIS OF PROSPECT:** | Proximity to Cane Creek oil production |
| **ELEVATION:** | GL: 5663', KB: 5686' (Measured, Graded) |
| **SPUD DATE** | February 26, 2014 |
| **TD DATE:** | March 31, 2014 |
| **HORIZONTAL TARGET:** | Paradox, Cane Creek Shale |
| **KICK-OFF POINT:** | 6795' md, 6794' tvd |
| **TOTAL DEPTH:** | 12,025' md, 7562.15' tvd |

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

| | |
|---|---|
| **TVD AT TD:** | 7562.15' |
| **BOTTOM HOLE LOCATION:** | 861' FNL, 897' FEL, NE NE SEC. 32, T25S, R19E |
| **FINAL VERTICAL SECTION:** | 4827.41' |
| **FINAL CLOSURE AZIMUTH:** | 46.78 deg |
| **PROPOSED AZIMUTH:** | 46.4 deg. |
| **TOTAL DRILLING DAYS** | 34 |
| **STATUS OF WELL:** | Waiting Completion |
| **CONTRACTOR:** | Nabors Rig M40 |
| **TOOLPUSHER:** | Shannon McDaniel, Brendon Evans |
| **FIELD SUPERVISORS:** | Delbert Sullivan, Paul Roberts, Sam Larado, Tucker Yancey |
| **MUD COMPANY:** | NOV Fluid Control<br>Eric Mascarenas,Paul McCracken, Clark Sievers, Mike Whitt |
| **MUD TYPE:** | Air/Mist, Water, Invert |
| **WELLSITE GEOLOGISTS:** | Hal Schmidt, Kent Roddy |
| **PROSPECT GEOLOGIST:** | Robert Flook, Dave Koval, Jen VanHolland, Chris Lang, Fidelity. |
| **ROCK SAMPLING:** | 30' Lagged Samples<br>Two sets of dry sample cuts were collected. |
| **DIRECTIONAL DRILLERS:** | Pathfinder<br>Shane Sayler, Jonathan Rice |

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

| | |
|---|---|
| **MWD:** | Pathfinder<br>Robert Gutshall, Seth Linaman |
| **CASING:** | 20" Conductor @ 128': 13 3/8" @ 1,201'<br>9 5/8" @ 4,460': 7" @ 12,025' |
| **HOLE SIZE:** | 17 1/2" base 20" conductor 103' to 1207'<br>12 1/4" 1,207' to 4,465'<br>8 1/2" 4,465' to 12,025' |
| **CORES and DST's:** | None |
| **WIRELINE/OPEN HOLE LOGS:** | Triple Combo, OBMI/Sonic Scanner , 4460' to 7672' - Pilot Hole<br>CBL/GR, 4465' to 1201' |
| **KEY WELL** | FEPC Cane Creek Unit 28-2H (Pilot)<br>NE/SE Sec 28, T25S, R19E |

FIDELITY EXPLORATION AND PRODUCTION
DISTRIBUTION
CANE CREEK UNIT # 32-1-25-19

| **DISTRIBUTION** | Geological Report | Final Mud Log prints | Digital mud log | Well Cuttings |
|---|---|---|---|---|
| Fidelity Exploration and Production Co.<br>Drilling Manager<br>Bruce Houtchens<br>1801 California St. Suite 2500,<br>Denver CO 80202 | 3 | 3 | 3 | 0 |
| Fidelity E&P Co.<br>Bob Flook<br>1801 California St.<br>Suite 2500<br>Denver CO 80202 | 1 | 1 | 1 | 0 |
| Dave Koval<br>Fidelity Exploration and Production<br>1801 California St.<br>Suite 2500<br>Denver, CO 80202 | 1 | 1 | 1 | 1 |
| State of Utah<br>Division Oil Gas and Mining<br>P.O. Box 145801<br>1594 W. Temple<br>Suite 1210<br>Salt Lake City, UT 84114-5801 | 1 | 0 | 1 | 1 |
| Bureau of Land Management<br>Moab Field Office<br>82 E. Dogwood<br>Moab, UT 84532 | 1 | 0 | 0 | 0 |

## GEOLOGICAL INTRODUCTION

The Fidelity Exploration & Production Co. Cane Creek Unit #32-1-25-19, located in SW SW, Section 32, T25S, R19E spud in the Jurassic, Kayenta Formation on February 26, 2014. It was drilled to a total depth of 7672' (driller) 7672' (electric log) bottoming in Salt #22 member of the Pennsylvanian, Paradox Formation on March 14, 2014. After running electric logs, this vertical pilot hole was plugged back with cement in order to kick off and drill a horizontal lateral in the Cane Creek Shale.

The horizontal lateral was drilled from a kick off point at 6795' and landed in the Cane Creek Shale near the top of the B zone dolomite at 7894'md, 7526'tvd. At this point, the curve BHA was tripped out of the hole and was replaced with a lateral BHA containing an ipzig tool in order to obtain gamma data at the bit. The horizontal lateral was then drilled, following the flat to gently northeast dipping B zone target dolomite to a total depth of 12,025'.

A 24 hour, two man geologist well site service began on March 1, 2014 at base of surface casing at 1207'. An MSI chromatograph was used to record total gas along with the various gas components of C-1 through C-4. The total gas readings were displayed on the rig electronic data recorder screen " Pason" for viewing by operating personnel at the rig. The total gas and the various gas components recorded were plotted at lagged depth to compile a permanent mudlog record of drilling parameters, lithology drilled along with hydro carbon shows.

## VERTICAL PILOT HOLE

### LITHOLOGY DRILLED TRIASSIC, PERMIAN

The well spudded in the Jurassic, Kayenta Formation and was drilled with air & water to 1207'in the Triassic Moenkopi Formation where surface casing was set and cemented. Geologic service started at this depth. As drilling resumed, air & water continued to be used as a drilling medium. Samples were caught as air/water carrying cuttings, discharged from the blooie line muffler and into a series of settling tanks. A reserve pit was not used due to government restrictions. As air/water was employed as a drilling medium , the flow was not always consistent and some surging or unloading was present at various times. As a result, the basic lithology can be interpreted but detailed changes In lithology are highly generalized. From 1207'to 1406'the lithology consisted of fine to coarse grained red-brown to red-orange sandstone and red-brown shaley siltstone.

The Permian, White Rim Sandstone was present from 1406' to 1446' based on a change in lithology to white, fine to medium grained, well sorted, slightly calcareous sandstone. The sandstone was weakly cemented and abundant loose, clear to frosted quartz grains were present.

Thick, massive, red-orange to dark red-brown, fine to coarse grained, micaeous, arkosic sandstone and interbeds of red-brown, gray-red clay shale and siltstone comprise the upper part of the Permian, Cutler Formation which was encountered at 1446'. This lithology persisted to approximately 1700' where the sandstone gives way to shale. The shale was red-brown and generally consisted of mushy, silty, micaeous, sandy mud. The PDC bit being used tended to reduce the shale to powder and that mixed with the water and air destroys the original shale texture.

At 2100'to 2250' Limestone, medium to dark gray-brown, very fine to fine crystalline, with crinoids fossils was drilled. This appears to be equivalent to part of the Elephant Canyon member..

The interval from 2250' to the Honaker Trail Formation at 2855' consisted of massive quartz sandstone, rusty-red brown to gray-brown in color, very fine to coarse grained, with mica and feldspar. The lower two hundred feet slowly changed color from rusty red to become increasingly gray in color.

## PENNSYLVANIAN

### Honaker Trail Formation

At 2855' the Honaker Trail Formation was marked by a change in lithology to light to medium gray, to gray-brown, dense, micro-crystalline limestone and white to brown-gray, fine to coarse grained, calcareous sandstone. The percentage of limestone slowly increased with depth to 50 % or more until some intervals contained 100% limestone. The limestone was generally white, light gray-cream to brown-gray in color, micro-crystalline, dense, hard, tight and sometimes contained indistinct traces of oolites and fossil crinoids.

At 3725' the air hammer bit watered out and was tripped out of the hole to be replaced by a tri-cone bit. Drilling proceeded using aerated water as a drilling fluid.

### Paradox Formation

The top of the Paradox formation was picked at 4014'. Lithology consisted of limestone, light gray to tan, brown in color, very fine to micro crystalline with rare traces of oolites and fossil debris. Some thin interbeds of dark gray, black shale and argillaceous limestone were noted in the upper part..

The Ismay formation top was picked from drill time and gamma ray at 4228'. The Ismay consisted of limestone, white-light gray to dark gray-brown in color, very fine to fine crystalline, with loose detrital carbonate grains. Twenty five per cent of the sample was black, very fine to micro crystalline, shaly limestone.

Salt #1 was encountered at 4272'. Due to drilling with aerated water, no salt was initially seen in samples as it dissolved before reaching the surface. However the sample from 4300' to 4350' contained a fair amount of white, clear, crystalline salt. By using a tri-cone bit, the top of the salt can be determined from the increase in drill rate, which is consistent and fast at close to 120 feet per hour.

The top of Clastic #1 was drilled at 4351' and the base at 4440' based on drill time. Lithology consisted of interbedded limestone, black shale and anhydrite. No gas increases were recorded.

Salt #2 at 4440' was drilled to 4465'. Intermediate 9 5/8" casing was then run to 4460', set and cemented. An 8 ½ bit was run in the hole and cement, float and casing shoe was drilled along with an additional 10 feet of formation where a successful formation integrity test was run to 18 ppg EMW. The mud system was then converted to oil base invert and drilling of the pilot hole continued with a PDC bit and directional BHA.

With the change to oil base mud, meaningful gas detection became possible because of the absence of air diluting the drilling fluid. While drilling ahead to the Cane Creek Shale objective, gas increases of significance were recorded from the various clastic zones that are sandwiched between bedded salt as follows:.

Clastic # 2: Gas increased to 107 units at 4515' to 4530' and 104 units at 4540' to 4550, from black, organic, carbonaceous, shale. The chromatograph indicated the gas was predominate methane. Mud wt. was 14.0 ppg.

Clastic # 4 Dolomite and black shale gave a gas increase to 90 units from 4834' to 4854'. Methane was present and mud weight was 14 ppg.

Clastic #7: A minor gas increase to 70 units was present at 5320' to 5342'. The gas is interpreted to be coming from black shale and light gray dolomite. Methane was identified and mud weight was 14 ppg.

Clastic # 9: A gas increase to 60 units from black shale was recorded from 5713' to 5736' and an increase to 57 units from dolomite at 5763' to 5772. Again methane was present and mud weight was 14 ppg.

Clastic #12: A significant gas increase to 1054 units was recorded from 6014'to 6040'. The lithology consisted of black shale and dolomite. Methane, ethane and propane gases were present. Mud weight was 14.0 ppg.

Clastic #15: Gas increased to 158 units while drilling black shale and dolomite from 6502' to 6516'. Methane and ethane were recorded.

Clastic #18-19: At 7134' to 7146' a gas increase was recorded of 192 units from thin black, organic shale. Again methane and ethane gases were indicated as being present by the chromatograph.

**CANE CREEK SHALE 7476' sample**

The Cane Creek Shale is divided into three zones termed A, B and C. The A zone comprises the upper one third of the Cane Creek Shale and is composed of alternating thin beds of anhydrite, black shale and dolomite. Anhydrite tends to predominate towards the top of this interval.

The B zone is composed of black, radioactive, carbonaceous, shale and light to medium gray, dolomite. This is the predominate lithology in the middle one third of the Cane Creek and is the principal productive interval in the Cane Creek.

The C zone comprises the lower one third of the Cane Creek and is generally dominated by anhydrite and dolomite with some thin organic black shales.

While drilling through the Cane Creek, back ground gas varied from 138 to 256 units. Gas increases to 200 units were identified as generally coming from black organic shales

The base of the Cane Creek Shale / top Salt #22 was 7597' based on samples and drill time.

The well reached 7672' in Salt #22, where total depth was called for the vertical pilot hole. Electric logs were run before plugging back to drill a horizontal lateral.

# HORIZONTAL LATERAL 32-1-25-19

The horizontal lateral was directionally drilled from a kick off point of 6795'and landed in the Cane Creek Shale, B target zone at a hole inclination of 85 degrees at 7894'md. After tripping out to pick up a lateral BHA, drilling continued forward with the well path following the flat to gently dipping B zone target dolomite.

From 8685' to 9100' background gas increased from 100-500 units with numerous sharp to broad increases to 3000 & 5000 units. These appear to be associated with fractured dolomite. Some mud motor stalls are also present in this interval which sometimes coincides with gas increases and seems to indicate fractures. Methane through propane gases were present. Mud weight was 13.8 ppg, ECD 14.41.

At 9320' to 9874', periodic gas increases of 3000 to 8000 units were logged. Most are associated with connections and off bottom downtime, but some are attributed to fracturing as shown by mud motor stalls. Mud weight was 13.8 ppg throughout the interval and at 9874' the gas began building up in the mud such that it was deemed prudent to go through the Halliburton MPD system and the gas buster.

From 9874' to 10,000' gas stabilized at 3000 to 4000 units with a 3'to 4' flare and mud weight was held at 13.8 with MPD holding 100 psi on the well head. At 10, 090' mud wt. was increased to 13.95 ppg and the background gas slowly decreased from 4000 units to 1500 units at 10,240'. From 10,240' to 10,440'the lithology changed from 100 % dolomite to dolomite and black shale as the basal few inches of the B1 "hot" black shale was drilled. Gas in this interval peaked numerous times at 2400 to 3800 units and four motor stalls were noted by the directional driller, indicating possible fracturing.

As the bit drilled back down into the dolomite section below the B1 "hot" shale, gas increased to 3200 units and then at 10,465' to 4700 units and leveled off at 5375 units with an est. 15' steady flare. At 10,488' drilling ahead was halted to circulate out gas and increase mud wt.from 14 to 15.5 ppg. The chromatograph indicated an increase in heavy gases in this interval. Background gas then decreased to less than 1000 units as the mud wt was increased. Gas increased again at 10,568' to 5400 units due to 50 min. of downtime while repair was made to an o ring leak in the stand pipe. Background gas slowly decreased as drilling proceeded except for a 1500 unit increase at 10,612'.

Motor stalls at 10,810' and 10,842' appear to indicate fractures as the overall background gas increased from 500 units to 1000 units average after they were drilled. The background gas again decreased to 500 units at 11,070'with mud wt. at 15.5 ppg.

Drilling forward the background gas remained low at 500 units with minor increases to 1000+ units from downtime and connections. Motor stalls in the 11,560' to 11,570' interval again indicate fracturing, resulting in a broad gas increase peaking at over 3000 units at 11,602' then slowly decreasing to 500 units at 11,700'. Gas again increased from 11,700' to a peak of 3599 units at 11,782', then decreasing to less than 500 units at 11,830'. Again a motor stall at 11,761' may indicate a fracture that is contributing gas or oil.

This lateral stayed in the B Zone target dolomite section of the Cane Creek Shale from 7860' to total depth of 12,025'. Structure was flat to gentle northeast dip throughout the lateral and the seismic data was excellent. Fracturing of the target dolomite was encountered, as indicated by motor stalls and related gas influx. The production information gained from this well will be valuable for future exploration planning in this new area.

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DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

| DAY | DATE 2014 | DEPTH 06:00 HRS | 24 HR FOOTAGE | BIT # | Mud Losses | 24 HR ACTIVITY | FORMATION |
|---|---|---|---|---|---|---|---|
| 1 | 1-Mar | 1,207' | 0' | n/a | n/a | Nipple up BOP equipment and pressure test BOP. Pick up drill pipe, stand in derrick. | Moenkopi |
| 2 | 2-Mar | 1,207' | 365' | 2 | 0 | Finish testing BOP. Pick up Hammer bit & BHA. TIH, blowing hole dry at ~625', RIH to 1150', blow hole dry. Drill cement and shoe to 1207'. Drill vertical section with air mist from 1207' to 1572'. | Moenkopi |
| 3 | 3-Mar | 1,572' | 534' | 2 | 0 | Drill vertical section from 1572' to 2106'. TOOH , Rotating Head, bushing and annular washed out and damaged. Change out rotating head and bushing. | Cutler |
| 4 | 4-Mar | 2,106' | 0' | 2 | 0 | Nipple down BOP, wait on BOP parts, Begin new BOP nipple up | Cutler |
| 5 | 5-Mar | 2,106' | 524' | 3 | 0 | Finish nippling up new BOP, pressure test. Pick up new hammer assembly, rerun Bit #2, TIH. Drill vertical section from 2106' to 2665'. | Cutler |
| 6 | 6-Mar | 2,665' | 953' | 3 | 0 | Drill vertical section from 2665' to 3618'. | Cutler |
| 7 | 7-Mar | 3,618' | 453' | 4 | 0 | Drill vertical section to 3725', TOH, lay down air hammer BHA, pick new BHA, insert bit and mud motor, TIH. RIH from 3633' to 3725', drill with aerated water to 4071'. | Paradox |
| 8 | 8-Mar | 4,071' | 394' | 4 | 0 | Drill from 4071' to 4465', Intermediate Casing Point, TOH to 1201' shoe, TIH, blow hole clean, TOOH for casing. | Paradox |
| 9 | 9-Mar | 4,465' | 0' | 4 | 0 | Run 9 5/8" casing & cement. Run Gyro | Paradox |
| 10 | 10-Mar | 4,465' | 0' | 4 | 0 | Pressure test casing, pick up drill pipe, rack in derrick. Pick up 8 1/2" insert bit, BHA, TIH | Paradox |
| 11 | 11-Mar | 4,465' | 26' | 5 | 0 | TIH, drill cement, 10' formation from 4465' to 4475' with water, FIT test to 18.0 EMW, TOOH. Pick up 8 1/2" PDC bit, BHA with directional tools, TIH. Change from water to OBM, work on pumps, begin drilling from 4475' to 4491' | Paradox |
| 12 | 12-Mar | 4,491' | 1,293' | 6 | 0 | Drill verical section from 4491' to 5784' | Paradox |
| 13 | 13-Mar | 5,784' | 1,604' | 6 | 0 | Drill verical section from 5784' to 7388' | Paradox |

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

| DAY | DATE 2014 | DEPTH 06:00 HRS | 24 HR FOOTAGE | BIT # | Mud Losses | 24 HR ACTIVITY | FORMATION |
|---|---|---|---|---|---|---|---|
| 14 | 14-Mar | 7,388' | 284' | 6 | 0 | Drill to 7672' MD, Pilot hole TD ~11:00, wiper trip to shoe, TIH, circulate raise mud wt to 14.5 ppg, TOOH. Rig up and run Schlumberger E-Logs, Triple combo & Sonic | Paradox |
| 15 | 15-Mar | 7672' | 0' | n/a | 10 | Finish E-Logs, pick up 2 7/8" tubing, TIH to ~6000'. Rig up Halliburton and cement hole for curve and lateral. TOOH, lay down 2 7/8" tubing | Paradox |
| 16 | 16-Mar | 7,672' | 466' | 7 | 0 | Finish TOOH. Run CBL, pick up HWDP, make up new BHA. TIH, tag & drill cement from 6315' to 6781' | Paradox |
| 17 | 17-Mar | 6,781' | 544' | 7 | | Drill cement from 6781' to 6795'. Begin drilling curve from 6795' to 7325', sliding with surveys | Paradox |
| 18 | 18-Mar | 7,325' | 551' | 7 | 0 | Drill curve from 7325' to 7876', sliding & rotating with surveys | Paradox |
| 19 | 19-Mar | 7,876' | 18' | 7 | 0 | Drill curve from 7876' to 7894', circ, TOOH, wash thru tight spots. Lay down curve BHA, pick up new bit & lateral BHA, TIH. | Paradox |
| 20 | 20-Mar | 7,894' | 489' | 8 | 18 | Finish TIH, wash/ream to bottom. Re-log hole with Pzig gamma tool, drilling curve/lateral from 7894' to 8383' | Cane Creek |
| 21 | 21-Mar | 8,383' | 589' | 8 | 0 | Drill lateral from 8383' to 8933', rotataing & sliding with surveys, work on pump #1. Drill lateral from 8933' to 8972' rotating with surveys | Cane Creek |
| 22 | 22-Mar | 8,972' | 405' | 8 | 0 | Drill lateral from 8972' to 9071', rotating & sliding with surveys, work on pump #1. Drill lateral from 9071' to 9377'. | Cane Creek |
| 23 | 23-Mar | 9,377' | 517' | 8 | 0 | Drill lateral from 9377' to 9894', rotating & sliding with surveys | Cane Creek |
| 24 | 24-Mar | 9,894' | 446' | 8 | 0 | Drill lateral from 9894' to 10340', rotating & sliding with surveys. | Cane Creek |
| 25 | 25-Mar | 10,340' | 216' | 8 | 0 | Drill lateral from 10340' to 10487', rotating & sliding with surveys, at 10487' circulate and raise mud from 13.9 to 15.5 ppg, MPD carrying 750 psi on wellbore. Drill lateral from 10487' to 10556', rotating & sliding with surveys. | Cane Creek |

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

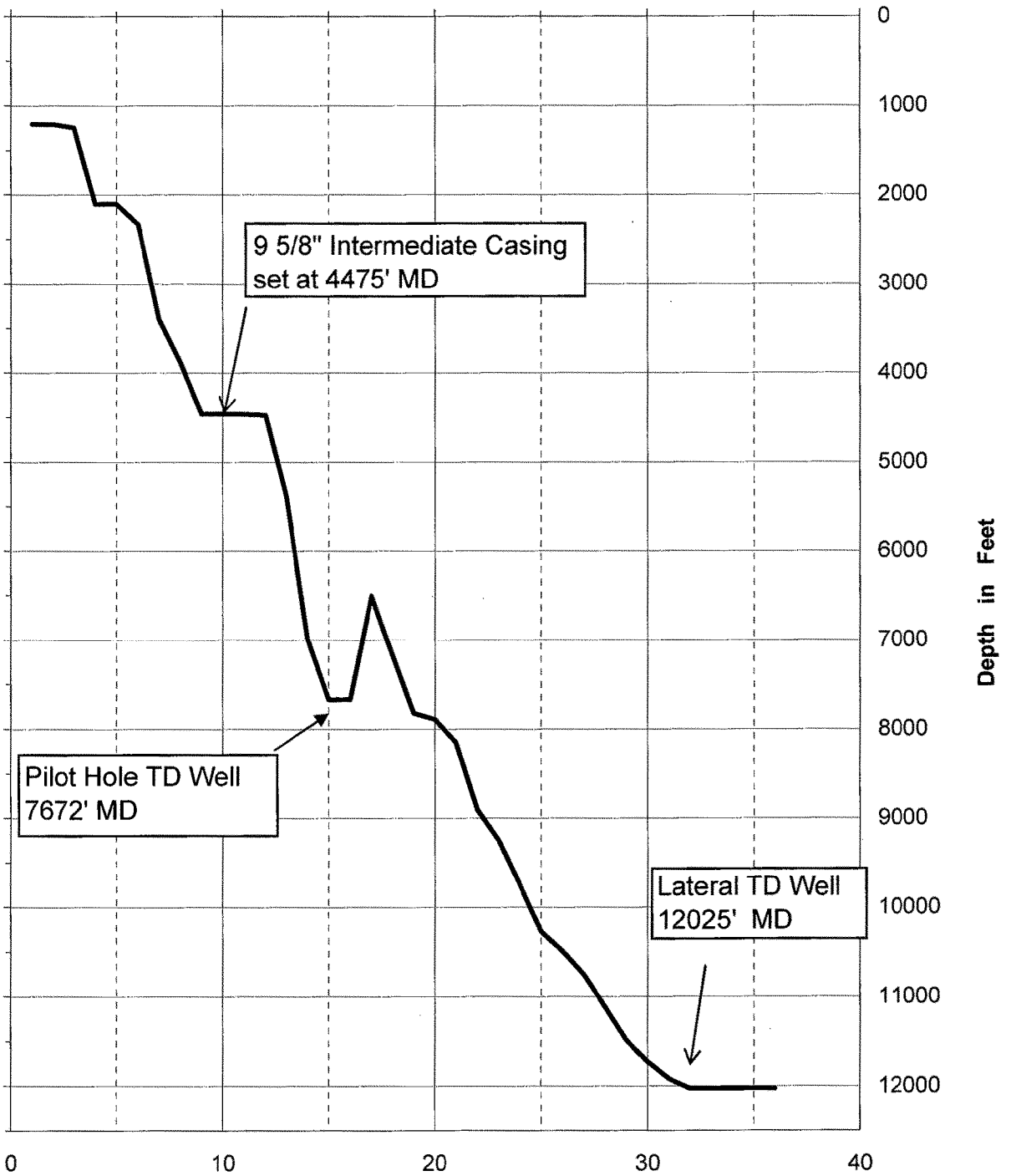
| DAY | DATE 2014 | DEPTH 06:00 HRS | 24 HR FOOTAGE | BIT # | Mud Losses | 24 HR ACTIVITY | FORMATION |
|---|---|---|---|---|---|---|---|
| 26 | 26-Mar | 10,556' | 281' | 8 | 0 | Drill lateral from 10556' to 10837', rotating & sliding with surveys. | Cane Creek |
| 27 | 27-Mar | 10,837' | 344' | 8 | 0 | Drill lateral from 10837' to 11181', rotating & sliding with surveys. | Cane Creek |
| 28 | 28-Mar | 11,181' | 394' | 8 | 0 | Drill lateral from 11181' to 11575', rotating & sliding with surveys. | Cane Creek |
| 29 | 29-Mar | 11,575' | 216' | 8 | 0 | Drill lateral from 11575' to 11791', rotating & sliding with surveys | Cane Creek |
| 30 | 30-Mar | 11,791' | 183' | 8 | 0 | Drill lateral from 11791' to 11974', rotating & sliding with surveys. Change out rotating head rubber | Cane Creek |
| 31 | 31-Mar | 11,974' | 51' | 8 | 0 | Finish changing rotating head rubber. Continue to drill lateral from 11974' to 12025' TD, rotating with surveys. Circulate, wiper trip to ~6800', TIH to bottom | Cane Creek |
| 32 | 1-Apr | 12,025' | 0' | 8 | | Finish TIH to bottom, circulate 2 bottoms up, spot 100 bbl LCM pill. TOOH to 10840', displace well and pits with 17.5 ppg Kill wt mud. TOOH to 7400', begin lay down drill pipe. | Cane Creek |
| 33 | 2-Apr | 12,025' | 0' | 8 | 101 | Finish TOOH, lay down drill pipe & directional tools, TIH with drill pipe in derrick to lay down drill pipe. Rig up casers. | Cane Creek |
| 34 | 3-Apr | 12,025' | 0' | n/a | | Run 7" casing, rig down casers. Circulate casing on bottom, displace 17.5 ppg mud with 15.8 ppg mud. | Cane Creek |
| 35 | 4-Apr | 12,025' | 0' | n/a | | Finish displacing 17.5 ppg mud. Rig up cementers, Cement 7" casing in hole, Geologists released | Cane Creek |

BIT RECORD
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK # 32-1-25-18

| | | | | | |
|---|---|---|---|---|---|
| OPERATOR: | FIDELITY EXPLORATION & PRODUCTION CO. | CONTRACTOR: | Nabors Rig M40 | SPUD DATE | February 26, 2014 |
| WELL NAME: | CANE CREEK UNIT # 32-1-25-19 | RIG MAKE: | Loadmaster 142' 550K 1500 HP | | |
| LOCATION: | SW/SW SEC 32, T25S, R19E | PUMPS: | 2 H&H 1600 12" | TD DEPTH/ DATE: | 12025'/ March 31, 2014 |
| GROUND LEVEL: | 5,663' (meas. Graded) | | | | |
| KELLY BUSHING: | 5,686' (meas. Graded) | | | | |

| Bit # | Size | Make | Type | Jets | Serial # | Depth In | Depth Out | Ftg | Hours | Ft/Hr | Vert. Dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.5" | Numa | Air Hammer | | | 103' | 1,207' | 1,104' | 3.5 | 5.7 | 0-1 |
| 2 | 12.25" | Numa | Air Hammer | | | 1,207' | 2,106' | 899' | 25 | 36.0 | 0-1 |
| 3/RR2 | 12.25" | Numa | Air Hammer | | | 2,106' | 3,725' | 1,619' | 36 | 45.0 | 0-1 |
| 4 | 12.25" | Reed | Insert/3-Cone | | | 3,725' | 4,465' | 740' | 16 | 46.3 | 0-1 |
| 5 | 8.5" | Baker-Hughes | EP-7394 | | 5201745 | 4,465' | 4,475' | 10' | 0.25 | 40.0 | 0-1 |
| 6 | 8.5" | Security | MMD64M | 6 X 18 | 12056228 | 4,475' | 7,672' | 3,197' | 44 | 72.6 | 0-3 |
| 7 | 8.5" | Security | MMD64M | 6 X 18 | 1223280 | 6,315' | 7,894' | 1,578' | 41.5 | 38.0 | 0-85 |
| 8 | 8.5" | Security | MMD64M | 6 X 18 | 12121542 | 7,894' | 12,025' | 4,131' | 210.5 | 19.6 | 85-92 |

TIME VS DEPTH
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19



FORMATION TOPS
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 32-1-25-19

| Well Name: | Fidelity Cane Creek Unit # 32-1-25-19 | | | |
|---|---|---|---|---|
| Location: | SW SW Sec 32, T25S, R 19E | | | |
| Elevation: | KB: | 5,686' | 5,686 | 5,686 |
| FORMATION / ZONE | Prognosis | Prognosis Subsea | Sample top | Subsea |
| Kayenta | 324' | 5,362' | 324' | 5,362 |
| Wingate | 450' | 5,236' | 450' | 5,236 |
| Chinle | 785' | 4,901' | 785' | 4,901 |
| Moenkopi | 1,150' | 4,536' | 1150' | 4,536 |
| Cutler | 1,718' | 3,968' | 1,446' | 4,240 |
| Honaker Trail | 3,144' | 2,542' | 2,855' | 2,831 |
| Paradox Formation | 4,229' | 1,457' | 4,014' | 1,672 |
| Salt 1 | 4,459' | 1,227' | 4,272' | 1,414 |
| Clastic 1 | 4,489' | 1,197' | 4,351' | 1,335' |
| Salt 2 | 4,557' | 1,129' | 4,440' | 1,246' |
| Intermediate Casing Pt. | 4,577' | 1,109' | 4,465' | 1,221' |
| Clastic 2 | 4,664' | 1,022' | 4,480' | 1,206' |
| Salt 3 | 4,743' | 943' | 4,578' | 1,108' |
| Clastic 3 | 4,789' | 897' | 4,618' | 1,068' |
| Salt 4 | 4,846' | 840' | 4,688' | 998' |
| Clastic 4 | 5,055' | 631' | 4,820' | 866' |
| Salt 5 | 5,138' | 548' | 4,900' | 786' |
| Clastic 5 | 5,371' | 315' | 5,127' | 559' |
| Salt 6 | 5,400' | 286' | 5,156' | 530' |
| Clastic 6 | | | 5,257' | 429' |
| Salt 7 | | | 5,265' | 421' |
| Clastic 7 | 5,545' | 141' | 5,318' | 368' |
| Salt 8 | 5,601' | 85' | 5,381' | 305' |
| Clastic 8 | 5,731' | -45' | 5,534' | 152' |
| Salt 9 | 5,766' | -80' | 5,576' | 110' |
| Clastic 9 | 5,871' | -185' | 5,712' | -26' |
| Salt 10 | 5,906' | -220' | n/a | n/a |
| Clastic 10 | 5,918' | -232' | 5,787' | -101' |
| Salt 11 | | | 5,818' | -132' |
| Clastic 11 | | | 5,898' | -212' |
| Salt 12 | 6,047' | -361' | 5,902' | -216' |
| Clastic 12 | 6,141' | -455' | 6,010' | -324' |
| Salt 13 | 6,158' | -472' | 6,040' | -354' |
| Clastic 13 | | | 6,141' | -455' |
| Salt 14 | | | 6,166' | -480' |
| Clastic 14 | 6,320' | -634' | 6,234' | -548' |
| Salt 15 | | | 6,264' | -576' |
| Clastic 15 | | | 6,498' | -812' |
| Salt 16 | | | 6,515' | -829' |
| Clastic 16 | | | 6,571' | -885' |
| Salt 17 | | | 6,578' | -892' |
| Clastic 17 | | | 6,830' | -1,144' |
| Salt 18 | | | 6,839' | -1,153' |
| Clastic 18-19 | 7,120' | -1,434' | 7,130' | -1,444' |
| Salt 20 | 7,165' | -1,479' | 7,198' | -1,512' |
| Clastic 20 | 7,281' | -1,595' | 7,316' | -1,630' |
| Salt 21 | 7,291' | -1,605' | 7,330' | -1,644' |
| Top Cane Creek Shale | 7,400' | -1,714' | 7,476' | -1,790' |
| Cane Creek Shale B | 7,426' | -1,740' | 7,510' | -1,824' |
| Horizontal Target | 7,438' | -1,752' | 7,517' | -1,831' |
| Base Cane Creek Shale | 7,534' | -1,848' | 7,597' | -1,911' |
| Salt 22 | 7,588' | -1,902' | 7,597' | -1,911' |
| TD | 7,609' | -1,923' | 7,672' | -1,986' |

FIDELITY EXPLORATION AND PRODUCTION
INVERT MUD REPORTS
CANE CREEK UNIT # 32-1-25-19

| DATE 2014 | DEPTH | Flow Line Temp | WT | FV | PV | YP | GELS | API FILT | OIL/WATER | ELECTRIC STABILITY | CORRECTED SOLIDS | NaCl % wt | CaCl2 % wt | MgCl2 % wt | 24 HOUR MUD LOSSES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-Mar | 4948 | 98 | 14.00 | 53 | 24 | 17 | 11/15 | 2 | 82.2/17.8 | 740 | 24.60 | 4.40 | 28.2 | 3.00 | 0 |
| 13-Mar | 6370 | 100 | 14.00 | 45 | 22 | 16 | 10/14 | 2 | 83.1/16.9 | 770 | 26.50 | 4.10 | 29 | 4.30 | 0 |
| 14-Mar | 7672 | 110 | 14.30 | 47 | 23 | 16 | 10/14 | 2 | 83.3/15.7 | 733 | 27.20 | 2.30 | 33.40 | 6.10 | 0 |
| 15-Mar | 7672 | n/a | 14.60 | 56 | 23 | 16 | 9/14 | 2 | 82.6/17.4 | 787 | 28.20 | 3.30 | 30.90 | 4.70 | 10 |
| 16-Mar | 6388 | n/a | 14.70 | 60 | 24 | 16 | 9/14 | 2 | 82.6/17.4 | 720 | 28.30 | 3.70 | 29.90 | 5.30 | 0 |
| 17-Mar | 6885 | 94 | 14.50 | 51 | 30 | 17 | 12/17 | 2 | 82.9/17.1 | 772 | 27.90 | 3.30 | 30.8 | 1.60 | 0 |
| 18-Mar | 7624 | 98 | 14.50 | 50 | 28 | 16 | 13/19 | 2 | 82.3/17.7 | 717 | 27.60 | 4.80 | 27.5 | 1.00 | 0 |
| 19-Mar | 7894 | 106 | 14.65 | 50 | 29 | 16 | 14/20 | 2 | 82.9/17.1 | 819 | 27.90 | 4.20 | 28.8 | 2.10 | 0 |
| 20-Mar | 7911 | 106 | 14.70 | 52 | 26 | 18 | 14/20 | 2 | 84.2/15.8 | 782 | 28.40 | 3.50 | 28.4 | 2.90 | 18 |
| 21-Mar | 8,645 | 106 | 13.80 | 45 | 22 | 16 | 10/13 | 2 | 84.1/15.9 | 828 | 25.30 | 5.00 | 27 | 3.40 | 0 |
| 22-Mar | 9030 | 109 | 13.80 | 46 | 23 | 15 | 13/16 | 2 | 84.9/15.1 | 894 | 25.00 | 5.00 | 27.1 | 2.80 | 0 |
| 23-Mar | 9583 | 108 | 13.80 | 48 | 23 | 16 | 12/15 | 2 | 85.5/14.5 | 969 | 25.20 | 2.80 | 32.20 | 3.90 | 0 |
| 24-Mar | 10100 | 109 | 13.85 | 48 | 25 | 17 | 14/17 | 2 | 86.1/13.9 | 1009 | 25.80 | 3.10 | 31.3 | 4.40 | 0 |
| 25-Mar | 10487 | 110 | 14.00 | 49 | 21 | 23 | 16/23 | 2 | 87.3/12.7 | 1129 | 27.00 | 4.80 | 27.5 | 5.00 | 0 |
| 26-Mar | 10672 | 122 | 15.50 | 57 | 32 | 25 | 17/28 | 2 | 87.7/12.3 | 986 | 33.30 | 2.10 | 34 | 3.00 | 0 |
| 27-Mar | 10960 | 122 | 15.50 | 55 | 34 | 20 | 14/23 | 2 | 87.8/12.2 | 929 | 33.40 | 3.10 | 31.3 | 8.90 | 0 |
| 28-Mar | 11320 | 127 | 15.60 | 53 | 34 | 20 | 16/25 | 2 | 87.7/12.3 | 963 | 33.20 | 3.80 | 29.7 | 4.80 | 0 |
| 29-Mar | 11676 | 125 | 15.60 | 54 | 35 | 22 | 15/25 | 2 | 87.6/12.4 | 929 | 33.50 | 2.10 | 34 | 5.70 | 0 |
| 30-Mar | 11845 | 125 | 15.60 | 55 | 36 | 16 | 13/19 | 2 | 88.5/11.5 | 710 | 33.00 | 2.40 | 33.2 | 6.50 | 0 |
| 31-Mar | 12025 | 124 | 15.60 | 55 | 34 | 20 | 13/18 | 2 | 88.5/11.5 | 620 | 32.60 | 1.50 | 36.1 | 4.80 | 0 |
| 1-Apr | 12025 | 122 | 17.70 | 78 | 41 | 21 | 16/23 | 2 | 89.7/10.3 | 782 | 39.40 | 0.30 | 42.9 | 7.20 | 0 |
| 2-Apr | 12025 | n/a | 17.60 | 86 | 47 | 20 | 15/24 | 2 | 86.7/13.3 | 580 | 38.10 | 1.80 | 35.1 | 4.50 | 101 |
| 3-Apr | 12025 | n/a | 17.50 | 82 | 44 | 20 | 13/20 | 2 | 86.7/13.3 | 645 | 38.30 | 2.30 | 33.4 | 3.10 | 63 |

Sundry Number: 50152 API Well Number: 43019500370000

**FEDERAL APPROVAL OF THIS ACTION IS NECESSARY**

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln Street Ste 2800 , Denver, CO, 80203

**PHONE NUMBER:** 720 931-6459 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 6/1/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: gas gathering |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Please see attached project description.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
April 30, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Joy Gardner | 720 956-5763 | Sr. Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 4/15/2014 |

RECEIVED: Apr. 15, 2014

# Dead Horse Lateral Natural Gas Gathering Lines

## Project Description

Fidelity Exploration & Production Company (the Operator) proposes to construct, operate, maintain, and eventually decommission 19 gas gathering lines that would connect current and possibly future wells on 19 well pads in and near the Cane Creek Unit (CCU) to the Dead Horse Lateral (DHL) gas gathering pipeline, which is currently under construction. The produced natural gas would be transported through the DHL pipeline to an approved natural gas processing plant near Blue Hills Road that is also under construction. The natural gas would be compressed and processed for liquids recovery at the gas plant. The sales-grade gas would subsequently be delivered via the existing Greentown pipeline to the existing Northwest pipeline. The gathering lines would remain in operation as long as the Operator's producing wells supply sufficient gas to justify its use. The life of a productive well may last as long as 30 years.

In addition, the Operator proposes to upgrade one Class D road to provide alternate access to existing and future well locations currently being accessed via the Class B Mineral Point Road.

All applicable federal, state, and county regulations and Bureau of Land Management (BLM) conditions of approval would be adhered to during gathering line construction and operation. Construction operations would employ the principles contained in the BLM's *Hydraulic Considerations for Pipelines Crossing Stream Channels* (2007) and *Surface Operating Standards for Oil and Gas Exploration and Development, 4th Edition* (Gold Book) (2007). Cultural, paleontological, and biological resource inventories are in progress, and reports of the findings will be submitted to the BLM prior to the initiation of construction operations.

Design features, environmental protection measures, and safety procedures committed to by the Operator are listed at the end of this project description. Additional safety procedures that would be utilized as part of the DHL gathering system are contained in DOI-BLM-UT-Y010-2013-067-EA, Appendix D (BLM, 2013). If the project is approved, the Operator would utilize an independent 3rd-party compliance monitor to ensure that gathering line construction operations would be conducted in accordance with applicable conditions of approval.

### Location and Access

#### Gathering Lines

Approximately 25 miles of gathering lines (132,056 feet) would be constructed across federal and State of Utah lands in Grand County, Utah, approximately 12 miles west of Moab. The

gathering line routes would be reached by traveling north from Moab along US Highway 191 until reaching State Highway (SH) 313. The gathering lines would tie into the DHL pipeline at various locations along SH 313 and the Dubinky Well Road (See attached maps). New roads would not be constructed to construct the gathering lines. Table 1 shows the lengths of the gathering line routes related to surface ownership. The gathering lines are named according to the name of the well pad from which they originate.

Table 1: Gathering Line Lengths and Land Ownership

| Gathering Line | Location | Federal Surface Length (feet) | State Surface Length (feet) | Total |
|---|---|---|---|---|
| Cane Creek 1-1 | T25S-R19E, Sections 1, 2 | 1,366 | 987 | 2,353 |
| Cane Creek 2-1 | T25S-R19E, Section 2 | 0 | 0 | 0 |
| Cane Creek Unit 2-1-25-18 | T25S-R18E, Section 2 | 0 | 1,697 | 1,697 |
| Cane Creek Unit 7-1 | T26S-R20E, Sections 7, 18 | 10,825 [1] | 0 | 10,825 [1] |
| Cane Creek 8-1 | T26S-R20E, Sections 8, 18 | 4,101 | 0 | 4,101 |
| Cane Creek Unit 12-1 | T25S-R19E, Section 11, 12 | 2,883 | 0 | 2,883 |
| Cane Creek Unit 16-2 | T24S-R18E, Sections 35, 36<br>T25S-R18E, Sections 2, 10, 11, 15, 16 | 10,493 | 19,937 | 30,430 |
| Cane Creek Unit 17-1 | T26S-R20E, 17, 18 | 7,660 | 0 | 7,660 |
| Cane Creek Unit 18-1 | T26S-R20E, Section 18 | 1,347 | 0 | 1,347 |
| Cane Creek 24-1 | T26S-R19E, Sections 13, 24 | 6,336 | 0 | 6,336 |
| Cane Creek Unit 26-2 | T25S-R19E, Sections 26, 27 | 9,602 | 0 | 9,602 |
| Cane Creek Unit 28-2 | T25S-R19E, Section 28 | 1,111 | 0 | 1,111 |
| Cane Creek Unit 32-1-25-19 | T25S-R19E, Section 32 | 0 | 2,557 | 2,557 |
| Cane Creek 36-1-25-18 | T25S-R18E, Section 36<br>T25S-R19E, Sections 28, 31, 32, 33 | 14,207 | 10,171 | 24,378 |
| Cane Creek Unit 36-1 | T25S-R19E, Section 36<br>T26S-R19E, Sections 1, 2 | 140 | 7,077 | 7,217 |
| Kane Springs Federal 10-1 | T25S-R18E, Section 10 | 5,509 | 0 | 5,509 |
| Kane Springs 19-1A-ST | T26S-R19E, Section 24<br>T26S-R20E, Sections 19, 30 | 12,606 | 0 | 12,606 |
| Kane Springs Federal 27-1 | T25S-R19E, Section 27 | 34 | 0 | 34 |
| Kane Springs Federal 25-19-34-1 | T25S-R19E, Section 34 | 1,410 | 0 | 1,410 |
| Total Length by Surface Owner | | 89,630 | 42,426 | 132,056 |

[1] Includes 2,274 feet within the DHL ROW

Through traffic in both directions would be maintained on SH 313 during construction operations. Through traffic may be temporarily stopped on the Class B Gemini Bridges Road near the intersection with the CCU 2-1 well pad access road to accommodate construction operations where the CCU 36-1 gathering line would cross the road. Gemini Bridges Road

would be closed in this area for approximately three hours total, but would be open at intervals within this time so that traffic could pass the construction area. An additional two-hour period would be needed to trench beneath Gemini Bridges Road and bury the pipeline beneath the road.

Appropriate controls would be in place to warn the public and control traffic while constructing a gathering line adjacent to a road or while constructing a trench across a road. Traffic cones and "construction zone" signs would be used to notify oncoming traffic of construction operations. Flagmen would be placed at either end of the work area if visibility is less than 100 yards. Installation of a gathering line along a Class D road may generally allow vehicles to proceed past construction operations.

#### Class D Road

The Operator proposes to upgrade an existing Class D road to that would provide access to its leases along Mineral Point Road and bypass Horsethief Campground. The Operator has drilled two wells that currently utilize the Mineral Point Road for access and may drill additional wells in the future that would otherwise utilize Mineral Point Road without the alternate route that the upgraded Class D road would provide. The Class D road is located north of Mineral Point Road and is located entirely on federal surface. It currently intersects Mineral Point Road approximately 1.5 miles west of Horsethief Campground to SH 313 near the CCU 28-2 well pad.

Table 2: Class D Road Upgrade Location and Length

| Road Upgrade | Location | Length (feet) |
|---|---|---|
| Cane Creek 36-1-25-18 | T25S-R19E, Sections 28, 33 | 7,597 |

## Construction Schedule and Personnel Requirements

The Operator plans to initiate gathering line construction as soon as it receives regulatory approval but anticipates initiating construction in June 2014. Four to five months would be needed to construct all gathering lines. Each gathering line would require 1-2 weeks for construction, depending on its length and terrain considerations. Construction activities would generally occur during daylight hours. Pipeline integrity testing may be performed at night.

Procedures have been developed to ensure that gathering line installation occurs as quickly and safely as possible in a planned sequence of operations along the routes. Two or three construction crews may work simultaneously at different locations to meet the project schedule. Each installation crew would consist of five workers. One 5-person road boring crew would be responsible for the SH 313 crossings.

## Gathering Line Design

The design, materials, construction, operation, maintenance, and termination practices of the pipeline would meet or exceed safe and proven engineering practices, industry standards, and would comply with all applicable requirements. These gathering lines have been designed and would be constructed to meet and exceed applicable industry standards, which include, but are not limited to: API 5L, API 6D, API 15 HR, ASTM D2517, ASME 31.8 and ANSI pipeline material standards .

The gathering lines would be installed above and below ground, depending on site conditions along the routes. Buried lines would be constructed of 4.5 or 6.5-inch (outside diameter) Fiberspar (or equivalent), or 8 or 12-inch steel. Aboveground line would be constructed of uncoated steel so that the outside surface would rust. The highest normal operating pressure on the gas gathering system would be 75 pounds per square inch (psi) gauge and would occur at the well site, where it would be limited by mechanical pressure relief valves on the upstream separation equipment. Maintenance operations may temporarily require the normal operating pressure to be exceeded. The pipe wall thickness would ensure sufficient structural integrity for the low-pressure system. Gas production from each well would be measured by an orifice meter. A well pad may require installation of more than one pipe in a trench. If so, these gathering lines would be positioned vertically within a single trench.

All gathering lines would be surveyed in place so that precise locations with respect to adjacent roads and buried depths can be ascertained. The as-built survey would be provided to the BLM at the completion of the project.

## Construction Operations

### Gathering Line Construction

Equipment needed to install the buried gathering lines would include flatbed trailers, trenching machines, mini-excavators, bulldozers, rotary jackhammers, offset booms, spoolers, cables, water trucks, and pickup trucks. Vehicle traffic during construction operations would include the transportation of materials and heavy equipment, workforce commuting, and daily operation of construction equipment. Installation equipment, pipe, and other construction materials would be hauled to the work site by flatbed semi-tractor trailers and stored temporarily on existing well pads. Pipe would be transported from well pads to strategic locations along a gathering line route within the construction corridor on a daily basis. Construction equipment may be left overnight within the construction corridor but would not be parked overnight on Class B roads. To minimize the introduction of noxious invasive species, the construction contractor would be required to have equipment arrive at construction sites in a clean condition, free of weeds and soil.

The gathering line routes have been located to avoid trees and shrubs as much as possible. Where dead trees are found within a 30-foot construction corridor, the trees would be transported to disturbed areas and mulched. The mulch would be spread over the disturbed areas.

All pipeline installation equipment would operate within a 30-foot construction corridor.

**Aboveground Cross-Country Gathering Lines.** Some gathering line routes would travel cross-country to minimize impacts to topography, soils, vegetation, and recreation and visual resources. Installing a gathering line aboveground on cross-country routes would prevent visual scarring by eliminating the need to remove the shrub and tree cover that would otherwise result from trenching. The ground surface would not be bladed. Vegetation would not be removed. Trees and cultural resource sites would be avoided.

Aboveground gathering line would be installed using one of two methods. The first method would utilize a cable that would be placed by hand along a cross-country segment of the route. Several sections of the pipe would be welded together on a well pad and attached to the end of the cable. A bulldozer would be stationed at the receiving end to pull the cable and position the welded pipe in place along the route. Pipe segments would be pre-welded on the well pad. Using this procedure, surface disturbance would result only from placing the cable by hand and by dragging the pipeline in place, affecting approximately five feet along the length of the cross-country segment.

Alternatively, pipe segments would be welded on a well pad and pulled along the cross-country route with the use of a single pass of a bulldozer. The ground surface would not be bladed, and trees would be avoided by the bulldozer. An approximate 15-foot drive route would be used by the bulldozer while pulling the gathering line in place.

**Buried Gathering Lines adjacent to Roads.** Where a gathering line would be buried parallel to a well access road or Class D road, the gathering line would generally be installed immediately adjacent to the 14-foot road running surface. Each gathering line would be installed at least 4 feet deep to ensure a minimum cover of 3 feet below the surface. The top of the trench would be approximately 12 inches in width. It may be necessary to consider installing a gathering line aboveground and adjacent to a Class D road where hard bedrock is extremely hard, in which case one of the two procedures described above would be utilized (cable pull or tractor pull).

Where a gathering line would be installed adjacent to a Class B road, the gathering line and aboveground infrastructure would be installed as far from the centerline of the Class B road as possible while generally remaining within the Class B road ROW. Alternatively, the gathering line would be installed adjacent to the running surface of the Class B road in a trench sufficiently deep to provide a minimum coverage of five feet. Installation of a gathering line at this depth

would allow road maintenance operations to be conducted safely and minimize surface disturbance away from the roadway.

Open trenching would be performed using a trencher, the size of which would be determined by site-specific terrain conditions, soil depth, and hardness of bedrock. Previous testing of a rock sample from the project area determined that most trenching operations would be performed with standard trenching equipment. Where operating on harder bedrock, a trencher may be equipped with a rock wheel. In areas where the rock surface is even harder, a rotary jackhammer may be used to create a trench. If absolutely necessary, bedrock may be blasted using small explosive charges and appropriate public safety measures would be taken.

A small trencher would be used to dig a trench where the terrain provides suitable safe access. Ideally, it would be used on the edge of the running surface of all Class D or access roads and as much as possible on Class B roads where terrain conditions are favorable. If trenching slightly off the road surface, this trencher would permit maximum flexibility in choosing the optimal route to avoid trees and large shrubs. An offset boom, operating on the road, would be used to place the pipe farther off the road running surface. Using the small trencher would not generally require the ground surface to be bladed or graded. The small trencher would use floatation tires with an approximate ground pressure of 20 psi. It would create an approximate 10-foot wide track with the trench centered beneath it. Topsoil and spoils would be mixed and placed on either side of the trench within the trencher tire tracks. Following installation of the pipe, the trench would be backfilled with the materials excavated from the trench using a V-plow equipped with skids so that the ground surface is not gouged. Another pass would compact the surface above the trench. An approximate 15-foot corridor would be affected along the gathering line route if a bulldozer is used.

A large trencher would be used where hard bedrock is encountered. The gathering line route may require grading and/or blading where the terrain is too rough for placement of the trencher. For trenches larger than 18 inches in width, spoils and topsoil would be temporarily placed in the 30-foot construction corridor in piles opposite the working side of the trench. Topsoil, as available, would be stored separately from the spoils and placed in piles adjacent to the spoil piles. After the pipe is lowered in the trench, spoils would be replaced in the trench and compacted. Extra spoil would be placed on top of the trench and spread. Topsoil would be redistributed on top of the spoils. Extra spoil materials may be used to camouflage the appearance of the surface-installed infrastructure from adjacent Class B roads and/or SH 313.

Road crossings would be performed either by open-trenching an unpaved road surface or by boring under the paved SH 313. Any Fiberspar gathering line that would be installed beneath a road would be protected with a steel sleeve. The BLM would be provided with a three-week notice regarding upcoming Class B road crossings. One week prior to the crossing, the Operator

would confer with the BLM to confirm the crossing schedule. At Class B road crossings, the public would be prevented from using the road for up to five hours while the road is being trenched and the pipe installed. If possible, the road would be intermittently re-opened for through public vehicle passage during this time. One mini-excavator would be used at each side of a Class B road crossing in a 30 by 30-foot area, which would be graded and bladed prior to trenching across the road. Topsoil would be stripped and temporarily stored in a small pile within the mini-staging areas. After installation of the pipe, the contours of the mini-staging areas would be restored and topsoil re-spread. Mulch would then be applied.

To avoid disrupting traffic, a horizontal directional drill (HDD) would be used to bore beneath SH 313. The depth of the trench beneath SH 313 would be increased per UDOT regulations. Using the HDD would require two approximate 100 by 100-foot temporary use areas on both sides of SH 313 where the bore would enter and exit the surface. Surface preparation would remove portions of the topsoil, which would be temporarily stored within the disturbance area; however, large shrubs would be retained where possible. The HDD would drill a pilot hole beneath the surface at a depth that maintains minimum coverage requirements, after which the hole would be enlarged with a reamer to a diameter sufficient to accommodate the pipe diameter. A pre-welded and pre-tested section of pipe would be pulled into the hole from the side of the bore hole opposite the drilling equipment.

Buried gathering line segments would be installed at least 4.5 feet below all active wash bottom elevations. Generally, this increased depth would be extended for a distance of half the width of the wash on either side of the wash. For example, if the wash is 20 feet wide, the increased depth would extend 10 feet beyond each side of the wash. Disturbed wash banks would be stabilized with natural erosion control materials including rocks, erosion control blankets, rip rap, or other stabilizing materials.

A hydrostatic pressure test would be performed for each gathering line prior to operation. The gathering lines would be tested to at least 110 percent of maximum operating pressure using up to 465,000 gallons of water (total). The water would be obtained from a permitted source or a private owner that holds valid water rights. Disposal of the test water would be in conformance with applicable state and BLM requirements.

#### Road Upgrade

Up to 35 feet may be required to upgrade the Class D to an all-weather access road. Upgrading the Class D road would require short re-routes to eliminate sharp corners and allow for safe travel by tractor trailers and tanker trucks. A surveyed route showing proposed modifications to the configuration of the existing road would be provided to the BLM prior to project approval. The upgraded road would require a 14-foot running surface.

The road surface would be bladed and graded. High wash banks would be bladed, and the extra material would be used as fill in the wash bottoms and on adjacent sections of the road. Where slickrock exposures or rocky areas exist along the road, materials remaining from grading would be used to smooth out the surface. Dry wash crossings would be used where possible, but culverts and cattle guards would be installed if necessary to control drainage and livestock movement. Turnouts would be constructed according to Gold Book standards. The Operator would obtain road surfacing materials from permitted sources. Construction would not be conducted during wet conditions when soils are saturated. Approximately seven days would be needed to upgrade the Class D road.

### Other Infrastructure

Gathering line infrastructure would include surface and subsurface equipment. All aboveground equipment would be painted shale green, or other flat color specified by the BLM, and would be positioned to be screened from view or blend in with the immediate natural surroundings as much as possible. Where located adjacent to a Class B road or SH 313, the Operator would place the aboveground infrastructure behind trees, shrubs, or rocks, where present. Alternatively, existing soil berms or ridges may be built up or rocks placed to provide visual screening from travelers on an adjacent road.

Subsurface tee and stubs for possible future connections would be installed below the ground surface. Such equipment would be prefabricated off-site and installed within the construction corridor where needed.

Pig receiver and launcher valves would be used to clean and inspect the interior of the gathering lines. Pig receivers or a combination of receiver and launcher valves in a single valve assembly would be installed aboveground along the DHL pipeline ROW or along the gathering line construction corridor where pipe diameter changes. One pig launcher would be installed on each existing well pad. Pig receivers would be installed where a gathering line joins another gathering line or where a gathering line joins the DHL pipeline. In addition to the measures previously described to minimize the visual impacts, the Operator would install low profile in-line valves that are about 1/10 the size of typical pig launchers and receivers. Each pigging valve assembly would be protected by a steel pipe tubing enclosure measuring approximately 3 feet high, 4 feet wide, and 16 feet long. Alternatively, rocks may be brought in and placed nearby to serve as security bollards.

Low point drain valves would be sited at topographic lows along the gathering lines. Produced natural gas typically contains some amount of water, which condenses out of the gas phase as the gas cools. The standing liquids would be collected by a vacuum truck that would be temporarily connected to the gathering line. Low point drain valves would rise approximately 2.5 feet above

the ground surface and would be protected by a 3-foot high, 3-foot wide, 3-foot long pipe enclosure and/or with rocks.

Flares would remain in place at the well pads to be used during maintenance operations that require that a well be taken offline, during which time natural gas would be temporarily flared at the well pad(s) served by the gathering line. Table 3 summarizes the construction details for each gas gathering line.

Table 3: Gathering Line Construction Details [1]

| Gathering Line | Well Status | Construction Details |
|---|---|---|
| Cane Creek 1-1 | Active well. | Connects to the CCU 36-1 gathering line. Buried along well access road. Surface laid cross-country to the CCU 2-1 well pad via cable pull. |
| Cane Creek 2-1 | Active well. | Connects to the CCU 36-1 gathering line, entirely on CCU 2-1 well pad. |
| Cane Creek Unit 2-1-25-18 | Drilling and completion. | Well pad on state surface. Connects to the CCU 16-2 gathering line. Buried along well access road. |
| Cane Creek Unit 7-1 | Active well. | Connects to the DHL pipeline. Buried along well access road and Class D road. Trenched under Long Canyon Road. Bored under SH 313. 2,274 feet within the DHL ROW. |
| Cane Creek 8-1 | Shut-in. | Connects the CCU 8-1 well pad to CCU 18-1 gathering line at CCU 18-1 well pad. Buried along Class D road. |
| Cane Creek Unit 12-1 | Active well. | Connects to the DHL pipeline. Buried along Class D road. Bored under SH 313. |
| Cane Creek Unit 16-2 | APD approved | Well pad on state surface. Connects to DHL pipeline. Surface laid cross-country via bulldozer pull to CCU 10-1 tie-in. Trenched under Class B road. |
| Cane Creek Unit 17-1 | Active well. | Connects to the CCU 18-1 gathering line. Surface laid along Class D road to Long Canyon Road via bulldozer pull. Surface laid cross-country to the CCU 18-1 tie-in via cable pull. Trenched under Long Canyon Road. |
| Cane Creek Unit 18-1 | Active well. | Connects to the CCU 7-1 gathering line. Surface laid cross-country via bulldozer pull. |
| Cane Creek 24-1 | Active well. | Connect to the DHL pipeline. Buried along well access road and Class D road. Also, carries production from the CCU 13-1 well. |
| Cane Creek Unit 26-2 | Active well. | Connects to the DHL pipeline. Buried along well access road, Class D road, and Class B road. Bored beneath SH 313. |
| Cane Creek Unit 28-2 | Active well. | Connects to the DHL pipeline. Buried along well access road. |
| Cane Creek Unit 32-1-25-19 | Drilling and completion. | Connects to the CCU 36-1-25-18 gathering line. Buried along well access road. |
| Cane Creek 36-1-25-18 | Drilling and completion. | Connects to the DHL pipeline. Buried along well access road, Mineral Point Road, and upgraded Class D road. Trenched under Mineral Point Road. |
| Cane Creek Unit 36-1 | Active well. | Connects to the DHL pipeline. Surface laid cross-country via cable pull to the CCU 2-1 well pad. Surface laid cross-country via bulldozer pull to the DHL. Trenched under Gemini Bridges Road. Bored beneath SH 313. |
| Kane Springs Federal 10-1 | Active well. | Connects to the CCU 16-2 gathering line. Buried along Class B road. |
| Kane Springs 19-1A-ST | Active well. | Connects to the CCU 24-1 gathering line. Buried along well access road and Class D road. |
| Kane Springs Federal 27-1 | Active well. | Connects to the CCU 26-2 gathering line. Buried along well access road. |
| Kane Springs Federal 25-19-34-1 | Active well. | Connects to the DHL pipeline. Buried along well access road. Bored beneath SH 313. |

[1] The Long Canyon 1 well is not connected because it no longer produces natural gas.

## Routine Maintenance and Operations

The gathering lines would operate 24 hours each day, 365 days a year. The Operator would adhere to applicable pipeline operational and maintenance standards. Although not currently planned, the buried section of the gathering lines may be marked along its route with warning signs that would display the contents of the line and the operator's name and emergency contact information. If the installation of signs is necessary to ensure gathering line safety by identifying the route, the Operator will consult with the BLM to determine sign height necessary for safety and visibility.

The gathering line routes would be routinely patrolled and inspected by personnel on foot or in vehicles to check for problems such as erosion, general condition of the surface, unauthorized encroachment, and any other conditions that could cause a safety hazard or require preventive maintenance. At a minimum, an annual line patrol would detect any integrity issues with the surface facilities. The acquired information would be compiled, cataloged, and filed for the life of the pipeline system.

Gathering lines generally require little maintenance. Valves would be exercised regularly to ensure they will seal when needed. If damage to a gathering line would occur, detailed line break and emergency procedures would be followed. A safety manual developed for the DHL pipeline, including an Emergency Response Plan, would apply to the operation of the gathering lines. Standard emergency procedures include notification protocols, response procedures for fires, explosions, facility damage, adverse weather conditions, civil disorders, and vandalism.

The Operator would periodically inspect the pipeline route and other temporary use areas for the presence of noxious weeds during the first two years following construction activities. If noxious weeds are identified, they would be promptly treated and controlled according to the Operator's approved Pesticide Use Proposal. The Operator would utilize spot-spraying of individual plants as the principal method of control rather than broadcast spraying large areas.

## Reclamation

Reclamation operations would be performed in conformance with the Operator's Reclamation Plan for the Dead Horse Lateral Pipeline submitted to the Moab FO in July 2013. The Reclamation Plan emphasizes the importance of pre-disturbance planning, with consideration given to vegetation management, soil management, and facility visibility and describes procedures for topsoil salvage and surface preparation for seeding. All equipment and materials not necessary for gathering line operation and maintenance would be removed from the construction corridor after construction is complete. The surfaces of all unpaved Class B and Class D roads would be restored to existing road conditions after construction is finished.

Reclamation after construction would essentially comprise final reclamation. All surface areas affected by gathering line construction and installation would be reclaimed. Immediate reclamation measures would be taken to stabilize disturbed areas, restore topsoil and encourage vegetative cover, and control erosion. The upgraded road would be reclaimed outside of the running surface. Additional areas needed to trench or bore under roads would be reclaimed. Where salvaged, topsoil would be evenly distributed, mulch applied, as available, and the disturbed area aggressively seeded.

All disturbed areas would be seeded using a certified weed-free seed mix intended to provide a self-sustaining plant community consistent with pre-disturbance vegetation. Seeding would be performed immediately after construction operations are complete. Mulch, silt fencing, waddles, hay bales, and other erosion control devices would be used in areas at risk of soil movement from wind and water erosion.

Reclamation would be determined successful when the basal cover of desirable perennial species is representative of baseline survey conditions or at least 75 percent of the basal cover on adjacent or nearby undisturbed areas where vegetation is in a healthy condition. Actions would be taken to ensure that reclamation standards are met as quickly as reasonably practical and are maintained during the life of the project. During the life of the gathering lines, reclaimed areas receiving incidental disturbance during maintenance activities would be reseeded as soon as practical. Reclaimed areas would be monitored semi-annually. Annual monitoring of the gathering line routes would be documented in conjunction with monitoring the condition of the DHL route. The documentation would be submitted to the BLM by May 1. The report would document the extent to which the reclamation objectives are met. If the standards are not met, a timeline for achievement of the objectives without additional actions would be estimated. Alternatively, actions would be identified needed to meet the objectives and standards.

The gathering lines would be decommissioned following the productive lives of all connected wells. The buried pipe would be left in place; however, pig launchers, receivers, and all aboveground valves/infrastructure would be removed. Areas disturbed during infrastructure removal, would be reclaimed as previously described. The routes would be seeded to re-establish native/desired vegetation. Monitoring and inspections would be performed to achieve the desired objectives.

### Surface Disturbance

Surface disturbance would result from the gathering line construction corridors and upgrading the Class D road. Where a gathering line would be installed adjacent to a well access road or Class D road, the 14-foot running surface of the access road would be used for construction operations, reducing the effective disturbance corridor along access roads from 30 feet to 16 feet. Although one lane of a Class B road may be used for construction operations where a gathering

line would be installed adjacent to it, the entire 30-foot construction width was conservatively included in the disturbance estimates. The upgraded Class D road would utilize the 14-footwidth of the existing road plus an additional 21 feet. The 35-foot total construction width for this road would include the surface needed to install the adjacent gathering line. The estimates of construction disturbance include the additional areas need to trench or bore under roads. Approximately 2,274 feet of the CCU 7-1 gathering line route would be placed inside the ROW for the DHL pipeline. Surface disturbance for the DHL pipeline was analyzed in DOI-BLM-UT-Y010-2013-067-EA, and this portion of the gathering line system was not included in the estimate of new surface disturbance.

Infrastructure that would be placed on existing well pads and belowground equipment were not included in the disturbance estimates. Each pigging assembly would affect approximately 0.001 acre and each low point drain would affect approximately 0.0002 acre. They would be positioned at various points along the gathering line routes, would not effectively preclude use of the surface, and are therefore considered incidental disturbance because total disturbance from these facilities would be very low.

Long-term disturbance corresponds to the area that would not be reclaimed after gathering line construction. It consists of the aboveground pig valve assemblies and the low point drain connections. A summary of surface disturbance is provided in Table 4.

Table 4: Alternative A - Surface Disturbance Summary (acres)

| Gathering Line | Construction Disturbance (acres) | Reclamation (acres) | Long-term Disturbance (acres) |
|---|---|---|---|
| CCU 1-1 | 0.4 | 0.4 | 0 |
| CCU 2-1 | 0 | 0 | 0 |
| CCU 2-1-25-18 | 0.6 | 0.6 | 0 |
| CCU 7-1 | 3.7 | 3.7 | 0 |
| CCU 8-1 | 1.5 | 1.5 | 0 |
| CCU 12-1 | 1.5 | 1.5 | 0 |
| CCU 16-2 | 20.0 | 20.0 | 0 |
| CCU 17-1 | 2.3 | 2.3 | 0 |
| CCU 18-1 | 0.5 | 0.5 | 0 |
| CCU 24-1 | 2.3 | 2.3 | 0 |
| CCU 26-2 | 5.2 | 5.2 | 0 |
| CCU 28-2 | 0.4 | 0.4 | 0 |
| CCU 32-1-25-19 | 0.9 | 0.9 | 0 |
| CCU 36-1-25-18 | 13.4 | 13.4 | 0 |
| CCU 36-1 | 2.3 | 2.3 | 0 |
| Kane Springs Federal 10-1 | 3.8 | 3.8 | 0 |
| Kane Springs 19-1A-ST | 4.6 | 4.6 | 0 |
| Kane Springs Federal 27-1 | 0 [1] | 0 [1] | 0 |
| Kane Springs Federal 25-19-34-1 | 1.0 | 1.0 | 0 |
| Class D Road Upgrade | 3.7 | 3.7 | 0 |
| Total | 68.1 | 68.1 | 0 |

[1] Approximately 0.01 acre.

## Project Design Features and Applicant Commitments

Table 5 summarizes the design features that would be incorporated into project execution. They are intended in provide protection to the environmental resources of the project area.

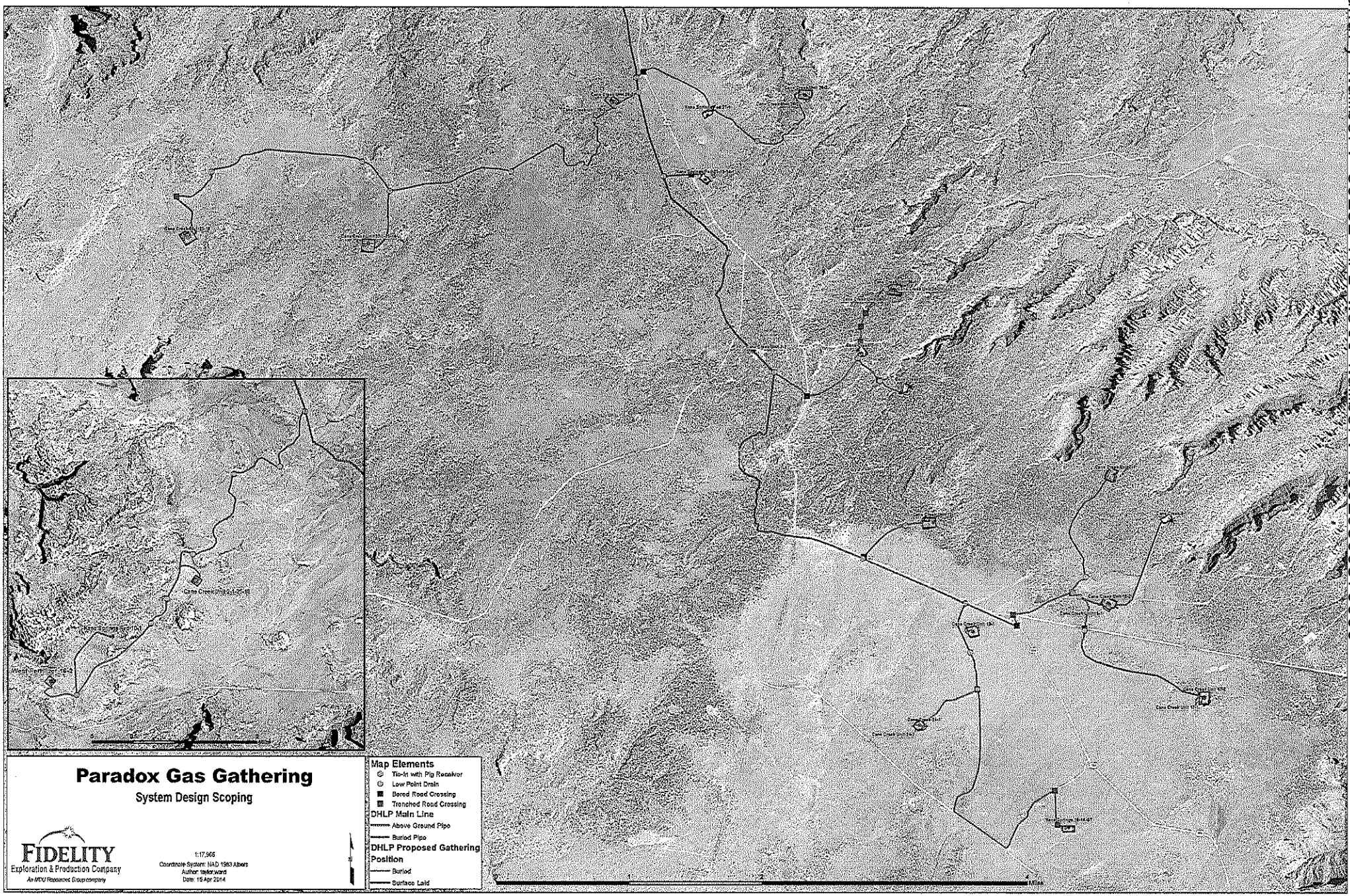
Table 5: Project Design Features and Environmental Protection Measures

| Project Design Features |
|---|
| **General** |
| The Operator will adhere to all applicable federal, state, county, and BLM regulations, including Conditions of Approval, while performing all operations associated with the Proposed Action. |
| Construction operations would be conducted in consideration of the *Surface Operating Standards for Oil and Gas Exploration and Development, 4th Edition* (Gold Book) (USDI and USDA, 2007). |
| The Operator will follow guidance presented in the BLM publication *Hydraulic Considerations for Pipelines Crossing Stream Channels* (2007). |
| The Operator will provide "survey in place" documentation to the BLM to display construction details associated with each gathering line, including surveyed locations and depths of buried pipe. |
| The Operator will utilize an independent 3rd-party compliance monitor to ensure that gathering line construction operations would be conducted in accordance with applicable conditions of approval. |
| The Operator will perform internal inspections of its facilities to ensure that normal operations will be in compliance with the Onshore Orders and other rules and regulations that apply to the project, the Cane Creek Reclamation Plan, and commitments as described in this EA. The Operator will provide an annual report to the BLM describing the progress of its reclamation operations until the BLM agrees that reclamation has been successful. |
| The Operator will implement hiring policies that would encourage the employment of area residents and, to the extent feasible, will purchase equipment and materials from local area merchants. |
| Firearms will not be allowed at construction sites, and the Operator's drug, alcohol, and firearms policies will be rigorously enforced. |
| **Access** |
| The Operator will provide a surveyed route to the BLM prior to project approval showing proposed changes to the existing orientation of the Class D road that would be upgraded to bypass the Horsethief Campground. |
| Where possible, the Operator will utilize the construction corridor of existing access roads for gathering line installation. |
| The Operator will not inhibit public use of SH 313. Gemini Bridges or Long Canyon Roads may be closed briefly during trench road crossings. Wildlife or livestock movement would not be inhibited. |
| Where installed adjacent but offset to Class B roads, the Operator will locate the gathering line route as distant from the centerline of the Class B road as possible while saving as many trees as possible. The construction corridor will remain 30 feet wide. |
| Where installed adjacent to well pad access roads or Class D roads (not maintained by Grand County), the Operator will install the pipeline as close as possible to the access or Class D road. |
| Where installed below the borrow ditch immediately adjacent to Class B roads, the gathering line will be installed with a minimum of five feet of coverage. A survey "in place" of these lines will confirm the depth below the surface, and will be provided to the BLM and Grand County. |
| Construction equipment may be left overnight within the construction corridor but would not be parked overnight on Class B roads to ensure public access along these roads. |
| **Air Quality** |
| During construction operations, the Operator will perform dust mitigation with the application of water, as needed. |
| The Operator will instruct its employees and contractors not to exceed 20 miles per hour on any well access road during construction or normal daily activities to discourage the generation of fugitive dust. |
| **Cultural Resources** |

| Project Design Features |
|---|
| The Operator has conducted Class III cultural resource surveys on undisturbed lands that would be affected by gathering line construction and will avoid all sites determined to be eligible to the National Register of Historic Places. The results of these surveys will be submitted to the BLM. |
| Construction activities occurring within and near archaeological sites will be monitored by permitted archaeologists. Permitted archaeologists will perform open trench inspection along the entire length of any trenching activities for unexpected discoveries, regardless of the trench location. |
| Should cultural resources be discovered during construction of the proposed pipeline and associated facilities, all work would stop and the Moab BLM Field Office immediately contacted. |
| The Operator will prohibit staff and contractors from illegal collection or destruction of cultural resources and will discipline workers violating such policies and laws. |
| **Paleontological Resources** |
| The Operator has conducted a paleontological inventory on State of Utah and BLM lands affected by surface-disturbing activities. The results of the inventory will be submitted to the BLM. |
| A paleontology monitor would monitor all surface disturbing activities that occur within a Potential Fossil Yield Classification (PFYC) of 5, including the Morrison Formation. Monitoring in areas of PFYC 5 would be performed during ongoing operations, and in some cases extended periods of work may be required, although efforts would be made to complete any fossil recovery with minimal work stoppage. The Mancos Shale would be spot-checked in areas where any trenching or boring is to be done. Spot-check monitoring would be conducted when the Mancos is exposed to view or before pipe is placed and the trench backfilled.<br>Monitoring would be required for any surface-laid pipe within PFYC 5 areas where there would be blading or grading of the surface more than 12 inches wide AND/OR greater than 1 meter deep. A monitor would spot check for any surface-laid pipe within PFYC 4 areas where there would be blading or grading of the surface more than 12 inches wide AND/OR greater than 1 meter deep.<br>Areas of PFYC 3 are recommended for spot checks; although this maybe waved in areas that are covered in moderate to deep eolian sediments (3% of the proposed pipeline route is in a PFYC 3 area, with no PFYC 4 currently impacted). These include the Mancos Shale, Navajo Sandstone and the Kayenta Formation. Spot-checking is conducted when the fossil-bearing bedrock is exposed to view or prior to placing spoil material back into the excavation, such as when a pipeline trenching operation is complete but before pipe is placed and the trench backfilled. |
| Should paleontological resources be discovered during construction of the proposed pipeline and associated facilities, all work would stop and the Moab BLM Field Office immediately contacted. |
| **Recreation and Safety** |
| The Operator will ensure public safety at all times. During construction operations, public access would be maintained on Gemini Bridges and Long Canyon Roads by utilizing just one lane at any particular time so that one lane would remain open, or vehicle traffic would be temporarily routed to detour along the temporary construction ROW. Appropriate controls would be in place during construction within a roadbed or adjacent shoulders of the road to warn the public and control traffic. Traffic cones and "construction zone" signs would be used to warn oncoming traffic of construction operations. Sufficient space would be allowed for passage of a single vehicle. Flagmen would be placed at either end of the work area if visibility is less than 100 yards. |
| Off-road (cross-country) construction operations, including vehicle movement and travel, will be conducted within the approved temporary construction corridor. |

| Project Design Features |
|---|
| Although trees will be generally avoided, the Operator will take the following measures to reduce fuel loads and prevent possible fires:<br>While performing construction operations, if any standing live or dead trees were to be damaged, cut down, or knocked over by grading or construction equipment, the Operator will take actions to mitigate the fuel loads from resultant slash. In areas where reclamation of the site would be expected and slash would be utilized to help reclaim the site, the Operator may temporary stockpile slash until termination of this activity.<br>Disposal actions include chipping materials on site with dispersal along the road or pad edge. Disposal of materials will be conducted with the following stipulations:<br>a. The BLM would pre-approve the disposal location.<br>b. Piled vegetation will not be within 15 feet of standing live trees. |
| **Soils and Vegetation** |
| The Operator will use the reclamation plan developed for the DHL PL to direct reclamation operations on each gathering line to ensure that reclamation operations meet acceptable standards. The Operator will monitor reclamation progress semi-annually and provide the BLM with an annual report detailing reclamation status. |
| The Operator's reclamation performance goals include:<br>• Preserving the viable use of topsoil;<br>• Re-establishing vegetation; and<br>• Minimizing visual impacts resulting from bare ground and the appearance of slopes created during construction operations. |
| Reclamation of the gathering line construction corridors will begin as soon as practicable after line installation |
| The Operator will re-distribute topsoil and re-seed as much of a gathering line construction corridor as possible to maintain topsoil viability and revegetate bare ground. |
| Reclaimed areas above buried gathering lines receiving incidental disturbance during maintenance activities will be reseeded as soon as practical with a seed mix approved by the BLM. |
| The Operator will power-wash construction equipment prior to entry into the project area. |
| The Operator will monitor growth of invasive species resulting from surface disturbance caused by project activities and will control weeds by the application of commercial herbicides in accordance with its approved Pesticide Use Proposal. |
| The Operator will conduct pre-construction briefings during which the field crew would be educated to identify and avoid soil crusts where possible. |
| **Surface Water** |
| The Operator will utilize best management practices for control of nonpoint sources of water pollution to prevent soil erosion, sedimentation, and damage to floodplains of drainages that transport ephemeral water. |
| **Visual Resources** |
| The Operator will paint all permanent aboveground structures (onsite 6 months or longer), constructed or installed, Shale Green or a flat, nonreflective color as determined by the BLM. |
| The Operator will install low profile in-line pigging valves that are about 1/10 the size of typical pigging valves in order to minimize the visual impacts of surface equipment. |
| Where aboveground equipment would be located adjacent to a Class B road or SH 313 in VRM II areas, the Operator will place the aboveground gathering line equipment behind trees, shrubs, and rocks, where present, to prevent viewing by travelers on the road as much as possible to assist in maintaining consistency with the VRM II objective which allows activities to be seen but diminishes the likelihood of attracting the attention of a casual observer. Where trees or rocks are not available in the vicinity of aboveground gathering equipment, the Operator will bring in natural materials to place between the Class B road or SH 313 and the equipment to discourage a direct |

| Project Design Features |
| --- |
| view of the equipment. |
| Existing roads will be used for construction purposes and vehicle access for inspections and maintenance. Using designated routes for construction and inspection purposes would prevent unnecessary and unintended adverse effects to soils, vegetation, and visual resources. |
| If the installation of signs is necessary to ensure gathering line safety by identifying the route, the Operator will consult with the BLM to determine sign height necessary for safety and visibility. |
| **Wildlife** |
| During the spring of 2014, an approved biological contractor is conducting raptor surveys for the presence of active nests in the vicinity of the proposed gathering line routes. If an active nest is found, applicable spatial and seasonal buffers will be applied to construction operations until the nest is fledged. The results of the survey will be provided to the BLM. |
| The Operator will any conduct additional biological resource surveys as directed by the BLM. |



**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln Street Ste 2800 , Denver, CO, 80203

**PHONE NUMBER:** 720 931-6459 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>5/5/2014 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Please see the attached drilling report for the month of April

Accepted by the
Utah Division of
Oil, Gas and Mining
**FOR RECORD ONLY**
May 06, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Joy Gardner | 720 956-5763 | Sr. Engineering Tech |
| **SIGNATURE** | | **DATE** |
| N/A | | 5/6/2014 |

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/14/2014**
**Report #: 1**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/14/2014 06:00 | 4/15/2014 06:00 |

Operations at Report Time
Anchors, MIRU #21, ND frac valve, NU BOPs

Operations Summary
Anchors, MIRU #21, ND frac valve, NU BOPs.

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| | | |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 3.00 | 3.00 | SMTG | Crew travel. Set anchors and test. Hold safety n=meeting and discuss job. | | |
| 09:00 | 5.00 | 8.00 | RMOV | MIRU MOnument rig #21. MI rig equip. MI the completion tanks and fluids. Clean up the location for the rig. | | |
| 14:00 | 3.00 | 11.00 | NIPUP | Check pressures, SICP- 0#. ND the frac valve, NU the Vision 10,000# BOPs & 5000# annulurs. | | |
| 17:00 | 1.00 | 12.00 | SDFN | Secure Well / SDFN / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

## Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/14/2014**
**Report #: 1**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

**Stim/Treat Additives**

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

**Perforations**

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|

**Perforation Statuses**

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|



**Report Printed: 5/6/2014**

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/15/2014**
**Report #: 2**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

### Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/15/2014 06:00 | 4/16/2014 06:00 |

**Operations at Report Time**
Test BOPs, unload and tally tbg, RIH and tag the RBP.

**Operations Summary**
Test BOPs, unload nad tally tbg, RIH asnd tag RBP.

**Operations Next Report Period**

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

### Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| | | |

### Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SDFN | SDFN | | |
| 07:00 | 1.00 | 2.00 | SMTG | Crew travel. Hold safety meeting and discuss job. SITP- 0# SICP- 0# | | |
| 08:00 | 1.50 | 3.50 | GOP | MIRU cAmeron to test BOPs. | | |
| 09:30 | 4.00 | 7.50 | BOPT | Pressure test the BOPs. Test the 10,000# equip to 8000# (high) and 250 # (low), teat the 5000# to 45000# high and 250# (low). All good tests. Release Cameron. | | |
| 13:30 | 3.50 | 11.00 | TRIP | PU the 7" scraper assembly and TIH as follows: 6' blade bit, 7" csg scraper, BS, 1 jnt of 2 7/8" 6.5# N-80 EUE 9rd tbg, X nipple ( 2.313" ID ), followed by the 2 7/8" 6.5# N-80 EUE 8rd tbg needed to tag up on the RBP. Tag up on the RBP @ 6644'. LD 1 jnt of tbg and Ld the tbg in the rig slips. | | |
| 17:00 | 1.00 | 12.00 | SDFN | Secure Well / SDFN / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDFN | | |

### Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

### Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

### Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

### Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

### Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

### Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

### Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

### Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/15/2014**
**Report #: 2**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu… | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/16/2014**
**Report #: 3**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/16/2014 06:00 | 4/17/2014 06:00 |

Operations at Report Time
Circ well, TOOH, TIH, retrieve RBP, TOOH, TIH kill string

Operations Summary
Crirc well, TOOH, TIH, retrieve RBP, TOOH, TIH kill string

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| | | |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SDFN | SDFN | | |
| 07:00 | 1.00 | 2.00 | SMTG | Crew travel. Hold safety meeting and discuss job. SITP- 0# SICP- 0# | | |
| 08:00 | 0.50 | 2.50 | CTU | Reverse circ the hole clean. Circ out some invert. | | |
| 08:30 | 2.00 | 4.50 | TRIP | TOOH w/ 7" scraper assembly. LD the scraper assembly. | | |
| 10:30 | 2.00 | 6.50 | TRIP | PU the Baker L-10 connector. TIH on the 2 7/8" N-80 tbg. Latch up on the RBP @ 6644'. Pick the RBP. | | |
| 12:30 | 2.50 | 9.00 | TRIP | TOOH w/ the Baker RBP. LD the RBP and release the baker hand. | | |
| 15:00 | 2.00 | 11.00 | TRIP | PU the 7" scraper assembly and TIH as follows: 6"' bit, 7" scraper, BS, 1 jnt of 2 7/8" 6.5# N-80 EUE 8rd tbg, X nipple (2.313" ID ), 204 jnts of 2 7/8" N-80 tbg. Ld the tbg in the rig slips. SI the tbg, csg And BOPs. | | |
| 17:00 | 1.00 | 12.00 | SDFN | Secure Well / SDFN / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |



**Report Printed: 5/6/2014**

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/16/2014**
**Report #: 3**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu… | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|
| | | | | | | |

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|
| | | | |



**Report Printed: 5/6/2014**

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/17/2014**
**Report #: 4**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/17/2014 06:00 | 4/18/2014 06:00 |

Operations at Report Time
TIH, circ well, TOOH

Operations Summary
TIH, circ well, TOOH

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| | | |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SMTG | Crew travel. Hold safety meeting and discuss job. SITP- 0# SICP- 0# | | |
| 07:00 | 3.00 | 4.00 | TRIP | TIh w/ the 7" scraper assembly. Tag up on the float collar @ 11,974'. | | |
| 10:00 | 1.50 | 5.50 | CTU | Reverse circ the hole w/ CACL water. Reverse out water and invert. Pumped 120 bbls @ 2.0 bpm @ 800#. | | |
| 11:30 | 3.50 | 9.00 | TRIP | TOOH with the 7" scraper assembly to 3999'. Leave the string in for a kill string. SI tbg, csg and BOPs. | | |
| 15:00 | 3.00 | 12.00 | SDFN | Secure Well / SDF Weekend / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDF Weekend | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

## Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/17/2014**
**Report #: 4**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

**Stim/Treat Additives**

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

**Perforations**

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|

**Perforation Statuses**

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|



**Report Printed: 5/6/2014**

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/21/2014**
**Report #: 5**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/21/2014 06:00 | 4/22/2014 06:00 |

Operations at Report Time
TOOH, Run CBL, TIH kill string

Operations Summary
TOOH, Run CBL, TIH kill string

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 3.00 | 3.00 | GOP | Crew travel. Hold safety meeting and discuss job. SITP- 0# SICP- 0# | | |
| 09:00 | 2.00 | 5.00 | TRIP | TOOH w/ kill string. | | |
| 11:00 | 0.50 | 5.50 | GOP | MIRU Baker atlas to run the 7" CBL. | | |
| 11:30 | 2.50 | 8.00 | LOGG | RIH w/ 7" CBL to 7795'. Log repeat from 7795' to 7450'. RIH to 7795'. PU on the 7" csg to 3000#. Log the main pass from 7795' to above the top of cmt. Found the cmt top @ 5750'. The est top was 4300'. BD the pressure. ROOH w/ logging tools. | | |
| 14:00 | 1.00 | 9.00 | GOP | RD and release Baker Atlas. the 7" annulus has 250# on it. BD the 250" to 0# immediately. No fluids to the surface. SI annulus. | | |
| 15:00 | 2.00 | 11.00 | TRIP | PU the 2 7/8" notched collar and TIH as follows: 2 7/8" notched collar, 1 jnt of 2 7/8" 6.5# N-80 EUE 8rd tbg, X nipple ( 2.313" ID ), 2 7/8" 6.5# N-80 EUE 8rd tbg. EOT @ 6500'. Ld the tbg in the rig slips. SI tbg, csg and BOPs. | | |
| 17:00 | 1.00 | 12.00 | SDFN | Secure Well / SDFN / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |



**Report Printed: 5/6/2014**

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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/21/2014**
**Report #: 5**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu… | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|



**Report Printed: 5/6/2014**

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/22/2014**
**Report #: 6**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/22/2014 06:00 | 4/23/2014 06:00 |

Operations at Report Time
Safety meeting, TIH, Pump diesel, relase.

Operations Summary
Safety meeing, TIH, Pump diesel, release.

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SDFN | SDFN | | |
| 07:00 | 1.00 | 2.00 | SMTG | Crew travel. hold safety meeting and discuss job. SITP- 0# SICP- 0# | | |
| 08:00 | 1.50 | 3.50 | TRIP | TIH w/ notched collar from 6500' to 11,974'. Prep to displace with diesel. | | |
| 09:30 | 0.50 | 4.00 | SMTG | MI and spot Onsite safety team. Hold safety meeting and discuss pumping the diesel. | | |
| 10:00 | 0.50 | 4.50 | GOP | MI and spot the Western diesel truck. | | |
| 10:30 | 1.50 | 6.00 | GOP | Begin pumping the diesel in reverse to displace the CACL water from the well. Pump the diesel from the Western truck @ 2 bpm @ 1500#. | | |
| 12:00 | 2.00 | 8.00 | GOP | Switch from the diesel truck to the diesel storage tank. Release the Western truck. Pump the rest of the diesel from the storage tank @ 2 bpm @ 1500#. Pump a total of 410 bbls of diesel. SAve some of the CACL water and send the rest to the disposal. | | |
| 14:00 | 1.00 | 9.00 | GOP | Release the Onsite safety crew. Secure the well. Check the 7" annulus @ 340#. | | |
| 15:00 | 1.00 | 10.00 | SDFN | Secure Well / SDFN / Travel | | |
| 16:00 | 14.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |



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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/22/2014**
**Report #: 6**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu… | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|



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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/23/2014**
**Report #: 7**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/23/2014 06:00 | 4/24/2014 06:00 |

Operations at Report Time: TOOH, test 7" annulus

Operations Summary: TOOH, test 7" annulus

Operations Next Report Period:

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SDFN | SDFN | | |
| 07:00 | 1.00 | 2.00 | GOP | Crew Travel Hold safety meeting and discuss job. SITP- 0# SICP- 0# 7" annulus- 160# | | |
| 08:00 | 4.00 | 6.00 | TRIP | TOOH w/ 130 jnts of 2 7/8" N-80 tbg. Move extra tbg to edge of location. | | |
| 12:00 | 2.50 | 8.50 | GOP | Prep to fill the 7" csg. Pump all of the diesel in the tanks. Switch to 9.9ppg CACL water to finish filling the csg. Pump up the csg to 2000#. | | |
| 14:30 | 1.00 | 9.50 | GOP | Pressure test 7". 1 min- 1900#, 10 min- 1800#, 15 min- 1750#, 20 min- 1700#, 30 min- 1700#, 60 min- 1650#. In 60min the pressure dropped 350#. | | |
| 15:30 | 0.50 | 10.00 | GOP | SI the tbg, csg and BOPs | | |
| 16:00 | 1.00 | 11.00 | SDFN | Secure Well / SDFN / Travel | | |
| 17:00 | 13.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/23/2014**
**Report #: 7**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu… | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|
| | | | | | | |

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|
| | | | |



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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/24/2014**
**Report #: 8**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/24/2014 06:00 | 4/25/2014 06:00 |

Operations at Report Time
Standby, check the 9 5/8' csg pressures

Operations Summary
Standby, check the 99 5/8" csg pressures.

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.00 | 2.00 | SDFN | SDFN | | |
| 08:00 | 8.00 | 10.00 | GOP | Rig on standby. Check the 9 5/8" csg pressures: 0830 hrs- 350#, 1200 hrs- 360#, 1500 hrs- 365#. WO TCP guns.Secure location. | | |
| 16:00 | 14.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

## Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

## Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|
| | | | | | | |

## Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot... | Ente... | String Perforated |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |



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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/24/2014**
**Report #: 8**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

**Perforation Statuses**

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/25/2014**
**Report #: 9**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/25/2014 06:00 | 4/26/2014 06:00 |

Operations at Report Time
TOOH, unload guns, wellhead, collars, Spot flowback equip.

Operations Summary
TOOH, unload guns, wellhead, collars, Spot flowback equip.

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SDFN | SDFN | | |
| 07:00 | 1.00 | 2.00 | SMTG | Crew travel. Hold safety meeting and discuss job. SITP- 0# SICP- 0# 9 5/8" csg- 400# | | |
| 08:00 | 2.50 | 4.50 | TRIP | TOOH w/ 2 7/8" N-80 tbg. | | |
| 10:30 | 3.00 | 7.50 | GOP | Unload 20 4 3/4" collars from Vision. Spot the MVCI flowback equip. Unload production tee. | | |
| 13:30 | 2.00 | 9.50 | GOP | Unload 195 4 1/2" Baker TCP guns and handling tools. Store guns on the rig racks. 1530 hrs- 9 5/8" csg- 405# | | |
| 15:30 | 1.00 | 10.50 | SDFN | Secure Well / SDFN / Travel | | |
| 16:30 | 13.50 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

## Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

## Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

## Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/25/2014**
**Report #: 9**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

**Stim/Treat Additives**

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

**Perforations**

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot… | Ente… | String Perforated |
|---|---|---|---|---|---|---|---|---|

**Perforation Statuses**

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|



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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/26/2014**
**Report #: 10**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/26/2014 06:00 | 4/27/2014 06:00 |

Operations at Report Time
TIH w/ guns, MVCI NU, bsd weather.

Operations Summary
TIH w/ guns, MVCI NU, bad weather.

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Storms | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | GOP | Crew travel. | | |
| 07:00 | 0.50 | 1.50 | SMTG | Hold safety meeting and discuss running the guns. Discuss the bad weather conditions. SITP- 0# SICP- 0# 9 5/8" Csg- 420# | | |
| 07:30 | 1.50 | 3.00 | CTTCP | TIH the Baker 4 1/2" TCP guns. RU the flowback equip. TIH 20 guns. WO wind and hard rains. | | |
| 09:00 | 1.00 | 4.00 | WOW | TIH 2 stds of 2 7/8" tbg on the 20 guns. SI rams, secure well. WO bad weather. | | |
| 10:00 | 2.00 | 6.00 | WOW | WO the high winds and hard rains. The MVCI crew left location because of the weather. | | |
| 12:00 | 1.00 | 7.00 | CTTCP | LD the 2 std of tbg. TIH w/ 40 more 4 1/2" guns. SD do to bad weather conditions. | | |
| 13:00 | 1.00 | 8.00 | WOW | TIH 2 stds of 2 7/8" on the guns. WO the bad weather. | | |
| 14:00 | 3.00 | 11.00 | CTTCP | The rain quit, the high winds continue. TOOH w/ 2 stds of tbg. Cont to TIH w/ 4 1/2" TCP guns. TIH 77 more guns. Rain and wind picked up again. TIH 2 stds of tbg on the 137 guns in the hole. Secure the well. SI tbg, csg and BOPs. Displaced 38 bbls of diesel to the rig tank during the TIH. 9 5/8" csg- 460#. The MVCI hand (Jacob) called the wellsite leader with an injury to one of his hands while NU the flowback equip. He said it was fine but needed to be reported the MVCI safety hand and to the wellsite leader. Will follow up on the injury. | | |
| 17:00 | 1.00 | 12.00 | SDFN | Secure Well / SDFN / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |



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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/26/2014**
**Report #: 10**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

### Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|
| | | | | | | |

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot... | Ente... | String Perforated |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|
| | | | |



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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/27/2014**
**Report #: 11**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/27/2014 06:00 | 4/28/2014 06:00 |

Operations at Report Time
TIH w/ guns, set and test packer.

Operations Summary
TIH w/guns, test and set packer.

Operations Next Report Period

| Weather | Wellbore |
|---|---|
| Storms | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| John Rogers | Company Man / WSL | (970) 773-8982 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | GOP | Crew travel | | |
| 07:00 | 0.50 | 1.50 | SMTG | Hold safety meeting and discuss running the guns and packer. Discuss the bad weather. SITP- 0# SICP- 0# 9 5/8" csg= 475# | | |
| 07:30 | 8.00 | 9.50 | CTTCP | TOOH w/ 2 stds of 2 7/8" tbg. Cont to TIH the remaining 58 guns and blanks. TIH Baker TCP gun assembly as follows; Bull nose, 4 1/2" TCP guns ( 5 spf, 60o phasing, 39 grm, SDP ) w/ spacers. (195) total. Bottom shot @ 11,925', top shot @ 7800'. Total length 4125', safety spacer, model RD firing heads (6500), model D firing head (6500), (3) ported disc subs, (30) jnts of 2 7/8" 6.5# N-80 EUE 8rd tbg, 2 7.8" tbg swivel, 8' X 2 7/8" N-80 pup, XN Nipple ( 2.205 NG ), 6' X 2 7/8" N-80 pup, 7" Hornet packer, @66782', L-10 connector, 2 7/8" X 3 1/2" Xover, 3 1./2" EUE X 3 1/2" IF Xover, (40) Vision 4 3/4" drill collars, 3 1/2" IF X 2 7/8" EUE Xover, 1 jnt of 2 7/8" 6.5# N-80 EUE 98rd tbg, X nipple ( 2.313" ID ), (189) JNTS OF 2 7/8" 6.5# n-80 EUE 8rd tbg, Displace a total of 93 bbls of diesel to flat tank. MVCI are continuing to NU flowback equip. | | |
| 15:30 | 0.50 | 10.00 | GOP | Set the packer @ 6782', Top shot @ 7800', Bottom shot @ 11,925'. Test the packer to 2000#, good tests. | | |
| 16:00 | 1.00 | 11.00 | TRIP | TOOH 11 stds and a single to 6415'. Hang off in the rig slips, SI the tbg, csg and BOPs. 9 5/8" csg- 440# | | |
| 17:00 | 1.00 | 12.00 | SDFN | Secure Well / SDFN / Travel | | |
| 18:00 | 12.00 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

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## Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/27/2014**
**Report #: 11**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

### Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|
| | | | | | | |

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot... | Ente... | String Perforated |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|
| | | | |



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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/28/2014**
**Report #: 12**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/28/2014 06:00 | 4/29/2014 06:00 |

**Operations at Report Time**
TOOH, TIH w/ production string, circ out the diesel, Ld the production string, test packer.

**Operations Summary**
TOOH, TIH w/ production string, circ out the diesel, Ld the production string, test packer.

**Operations Next Report Period**

| Weather | Wellbore |
|---|---|
| High winds | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Nicholas | Company Man / WSL | (307) 321-0544 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | GOP | Crew travel | | |
| 07:00 | 0.50 | 1.50 | SMTG | Hold safety meeting and discuss job. SITP- 0# SICP- 0# 9 5/8" Csg- 450# | | |
| 07:30 | 3.50 | 5.00 | TRIP | TOOH w/ kill string. MI Baker capstring unit. Prep to run the 2 7/8" production string. | | |
| 11:00 | 4.50 | 9.50 | TRIP | TIH w/ production string and capstring as follows: New L-10 connector, Baker injection sub, 1 jnt of 2 7/8" 6.5# N-80 EUE 8rd tbg, X nipple ( 2.313" Id ), 54 jnts of 2 7/8" 6.5# N-80 EUE 8rd tbg, Weatherford side pocket mandrill ( 5017' ), 132 jnts of 2 7/8" 6.5# N-80 EUE 8rd tbg, (1) 8' X 2 7/8" N-80 pup, (2) 2' X 2 7/8" N-80 pup, 1 jnt of 2 7/8" 6.5# N-80 EUE 8rd tbg, Set the string above the packer. | | |
| 15:30 | 1.75 | 11.25 | CTU | Circ the diesel out with packer fluid. Circ with fresh water w/ Baker packer fluids. Circ in 240 bbls of water to circ out 240 bbls of diesel. Secure the capstring to the hanger. Spacer out to the packer with the string. Set 20,000lbs on the packer. | | |
| 17:15 | 0.75 | 12.00 | PTST | Test the packer to 2000# and test the tbg to 2000#. The annulus tested to 2000#. While testing the tbg the csg pressure increased with the tbg pressure. The tbg was 800# and the csg was 800#. Release the pressure off of the tbg and the csg. Test the annulus a second time and it tested to 2000# with no pressure to the tbg. Test the tbg a second time and the csg increased with the tbg to 900#. There is a communication from the tbg to the csg. BD the tbg and csg. | | |
| 18:00 | 0.50 | 12.50 | GOP | SI the tbg, csg and BOPs. Secure the location. Baker is trying to figure out the problem. | | |
| 18:30 | 1.00 | 13.50 | SDFN | Secure Well / SDFN / Travel | | |
| 19:30 | 10.50 | 24.00 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

## Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

## Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |



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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/28/2014**
**Report #: 12**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

### Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|

### Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|

### Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot... | Ente... | String Perforated |
|---|---|---|---|---|---|---|---|---|

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|

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# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/29/2014**
**Report #: 13**

# Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

| Operator | Completions Start Date | Completions Finished Date | Well Status |
|---|---|---|---|
| Fidelity E&P | 5/2/2014 | | COMP |

| Job Category | Job Typ | Job SubTyp | Planned Start Date | Start Date | End Date |
|---|---|---|---|---|---|
| Completion | Original | | 4/14/2014 | 4/14/2014 | 4/15/2014 |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| | | | | | |

## Daily Operations

| Report Start Date | Report End Date |
|---|---|
| 4/29/2014 06:00 | 4/30/2014 06:00 |

**Operations at Report Time**
Test packer, TOOH w/ prod string, TIH w/ prod string, test packer.

**Operations Summary**
Test packer, TOOH w/ prod string, TIH w/ Prod string, test packer.

**Operations Next Report Period**

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Nicholas | Company Man / WSL | (307) 321-0544 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | SDFN | SDFN | | |
| 07:00 | 1.00 | 2.00 | GOP | Crew travel | | |
| 08:00 | 0.50 | 2.50 | SMTG | Hold safety meeting and discuss job. SITP- 0# SICP- 0# 9 5/8" Csg- 450# | | |
| 08:30 | 2.50 | 5.00 | PTST | Release the hanger, Pull 3000# into the string and packer. Test the csg to 2000#, good test. Test the tbg and the tbg (800#) leaked to the csg (600#). Set 12000 lbs on the packer. Test the csg to 2000#, good test. tested the tbg and the csg increased in press simultaneously to 800#. BD the tbg and csg. Unlatch from the packer and turn the L-10 180o. The L-10 was hard to unlatch. Latch pack up to the packer. Set 20,000lbs on the packer. Test the csg to 2000#, good test. Test the tbg to 800# and the tbg leaked into the csg. The tbg has leaked every test. | | |
| 11:00 | 4.00 | 9.00 | TRIP | Release from the packer. RU Baker capstring unit. TOOH w/ prod string. Spool up the cap string during the TOOH. | | |
| 15:00 | 0.50 | 9.50 | PTST | Prep to press test the side pocket mandrill. Test the mandrill to 850#, good test. | | |
| 15:30 | 2.75 | 12.25 | TRIP | TIh with the new L-10 connector ( Chevron Seals ) and prod string as follows: (new) L-10, (1) 6' X 2 7/8" N-80 pup, Baker injection sub, (1) jnt of 2 7/8" 6.5# N-80 EUE 8rd tbg, X nipple ( 2.313" ID ), (53) jnts of 2 7/8" 6.5# N-80 EUE 8rd tbg, Weatherford side pocket mandrill (5017'), 153 jnts of 2 7/8" 6.5# N-80 EUE 8rd tbg, (2) 2' X 2 7/8" N-80 pups, (1) 6' X 2 7/8" N-80 pup, (1) 8' X 2 7/8" N-80 pup, (1) jnt of 2 7/8" 6.5# N-80 EUE 8rd tbg, Cameron tbg hanger. Attach the cap string to the side of the tbg during the TIH. | | |
| 18:15 | 1.00 | 13.25 | PTST | Latch onto the packer. Set 20,000lbs on the packer. Ld the hanger in the tbg head and secure. Pressure test the csg to 2000#, good test. Pressure test the tbg. Pressure up on the tbg, the csg increased in pressure as we pumped on the tbg. Pressure up the tbg to 850#, Csg0 7403. BD the tbg to 0#, the csg stayed at 740#. BD the csg to 0#. | | |
| 19:15 | 0.50 | 13.75 | GOP | SI the tbg, csg and BOPs. Secure the location. Baker is trying to figure out the problem. | | |
| 19:45 | 1.00 | 14.75 | SDFN | Secure Well / SDFN / Travel | | |
| 20:45 | 10.00 | 24.75 | SDFN | SDFN | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) | Prop Run? |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | No |
| 2/28/2014 | Surface | 1,201.0 | 26.5 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 | No |
| 3/9/2014 | Intermediate | 4,459.0 | 25.7 | 9 5/8 | 8.681 | 47.00 | HCP-110 | 9 5/8 | 8.681 | No |
| 4/3/2014 | Production | 12,019.0 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.004 | No |

## Rods

| Rod Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Completion - Paradox Executive Daily No Costs

**Report for: 4/29/2014**
**Report #: 13**

## Well Name: Cane Creek Unit 32-1-25-19

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50037 | 74*31447 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,661.50 | 23.00 | 2/12/2014 00:00 | 4/7/2014 06:00 |

### Rod Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

### Tubing

| Tubing Description | Run Date | Pull Date | Set Depth (ftKB) | Weight/Length (lb/ft) | String Grade | String Length (ft) | Top Depth (ftKB) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

### Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Len (ft) | Jts |
|---|---|---|---|---|---|
| | | | | | |

### Stimulations & Treatments

| Date | Type | String | Wellbore | Stim/Treat Company | StimTreat Supervisor |
|---|---|---|---|---|---|
| | | | | | |

### Stim/Treat Fluids

| Fluid Name | Fluid Type | Dens Fluid (°A... | pH | Filter Size (in) | Description |
|---|---|---|---|---|---|
| | | | | | |

### Fluid Additives

| Additive | Amount | Units | Concentration (%) |
|---|---|---|---|
| | | | |

### Stim/Treat Stages

| Stage Type | Stg # | Start Date | End Date | Top (ftKB) | Btm (ftKB) | Stim/Treat Fluid | Vol Clean Pu... | Vol Slurry (bbl) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| Initial Fluid Rate (gpm) | Initial Rate Bottom Hole (gpm) | Tubing Pressure Start (psi) | Casing Pressure Start (psi) | Bottom Hole Pressure Start (psi) |
|---|---|---|---|---|
| | | | | |

| Final Fluid Rate (gpm) | Final Rate Bottom Hole (gpm) | Pressure Tubing End (psi) | Casing Pressure End (psi) | Pressure BH End (psi) |
|---|---|---|---|---|
| | | | | |

### Stim/Treat Additives

| Additive | Type | Amount | Units | Sand Size | Conc (lb/gal) | Conc BH (lb/gal) |
|---|---|---|---|---|---|---|
| | | | | | | |

### Perforations

| Date | Type | Top (ftKB) | Btm (ftKB) | Wellbore | Zone | Shot... | Ente... | String Perforated |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

### Perforation Statuses

| Date | Top Depth (ftKB) | Bottom Depth (ftKB) | Status |
|---|---|---|---|
| | | | |



**Report Printed: 5/6/2014**

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1700 Lincoln Street Ste 2800 , Denver, CO, 80203

**PHONE NUMBER:** 720 931-6459 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>4/30/2014 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Accepted by the
Utah Division of
Oil, Gas and Mining
**FOR RECORD ONLY**
May 09, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Joy Gardner | 720 956-5763 | Sr. Engineering Tech |
| **SIGNATURE** | | **DATE** |
| N/A | | 5/7/2014 |

RECEIVED: May. 09, 2014

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/8/2014**
**Report #: 1, DFS: -3.10**
**Daily Depth Progress:**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/7/2014 06:00 | 4/8/2014 06:00 | -3.10 | 0.0 | 0.0 | |

**Operations at Report Time**
Wait on Daylight

**Operations Summary**
Rig down rig equipment. Move Camps to CCU 36-1-25-18. Clean mud pits. Move Shaker Skid, Motors, Fuel Tank, and Koomey Skid, Misc Loads. CCU 32-1, 80% rigged down, 40% moved.

**Operations Next Report Period**
Rig Up & Tear Down

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 1 | Rig down rig equipment. | 110.0 | 110.0 |
| 07:00 | 5.00 | 6.00 | 1 | Rig down Camps with Mtn West and CG Electrical. Move Camps to CCU 36-1. Rig down rig equipment. Lower Sub and Derrick. Clean OBM Tanks. Lay down containment liner on CCU 36-1 location. | 110.0 | 110.0 |
| 12:00 | 6.00 | 12.00 | 1 | Rig up camps on CCU 36-1. Prep for move on CCU 32-1. Move Motors, Koomey, Fuel Tank, MPD equipment, Shaker Skid. Set Shaker Skid in place. | 110.0 | 110.0 |
| 18:00 | 12.00 | 24.00 | 22 | Rig Idle. Wait on Daylight. TriState Equipment, 1- Bed truck, 1- Forklift, 3- Haul Trucks. 2 - Sterling 170 ton Cranes. | 110.0 | 110.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/9/2014**
**Report #: 2, DFS: -2.10**
**Daily Depth Progress:**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/8/2014 06:00 | 4/9/2014 06:00 | -2.10 | 0.0 | 0.0 | |

**Operations at Report Time**
Wait on daylight.

**Operations Summary**
Load out Premix Tank and Mud Tank, Mud Pump Skids, VFD House. Remove derrick. R/D Subbases. Load out Rig Mats. Set Mud Tanks, Generators, Mud Pumps, VFD House, Rig Mats, and Subbases.
CCU 32-1 100% Rigged Down, 90% Moved.
CCU 36-1 60% Rigged Up

**Operations Next Report Period**
Rig Up & Tear Down

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 1 | Wait on Daylight. | | |
| 07:00 | 12.00 | 13.00 | 1 | Held Safety Meeting with Tri-State and Rig Crews. Load out Premix Tank and Mud Tank, Mud Pump Skids, VFD House. Remove derrick. R/D Subbases. Load out Rig Mats. Set Mud Tanks, Mud Pumps, VFD House, Generators, Water Tank. Set Rig mats and Subbases. | | |
| 19:00 | 11.00 | 24.00 | 1 | Rig Idle. Wait on Daylight. TriState Equipment, 1- Bed truck, 2- Forklift, 4- Haul Trucks, 2 Bed Trucks and 2 - Sterling 170 ton Cranes.. | | |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/10/2014**
**Report #: 3, DFS: -1.10**
**Daily Depth Progress:**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/9/2014 06:00 | 4/10/2014 06:00 | -1.10 | 0.0 | 0.0 | |

**Operations at Report Time**
Rigging Up

**Operations Summary**
Pinned Derrick to A-Legs. Installed Board. Raised Derrick. Scoped up Subbase. Set Bar Hoppers, spot MPD Choke Skid. Scope up Derrick. Set Zeco Equipment. Set in Catwalk. Weld on Conductor. Test Run mud pumps. Hung Kelly Hose.

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 1 | Wait on Daylight. | | |
| 07:00 | 5.00 | 6.00 | 1 | Pinned Derrick to A-Legs. Installed Board. Raised Derrick. Set Bar Hoppers, Zeco Equipment, High Wall Tanks and misc equipment. | | |
| 12:00 | 6.00 | 12.00 | 1 | Scope up Subbase. Plug in Electric Cords to Rig Floor. M/U Back Diagonal Braces. Set Catwalk. Set Rig Floor Stairs. Set in Conductor. Welder welding on Conductor. Cranes released at 12:00 hrs. | | |
| 18:00 | 6.00 | 18.00 | 1 | Start Generators. Spool drilling Line on Drum. R/U Bridle Lines. Raised Top Section of Derrick.R/D Bridle Lines.Set V-Door in Place. Test Run Top Drive. Install mud lines. Last Trucks released at 18:00. | | |
| 00:00 | 6.00 | 24.00 | 1 | M/U Kelly Hose, Bales and elevators. R/U air to rig floor. Install Turnbuckles on Conductor. Shipped water to tanks 6 & 7, test run mud pumps. Installed Valve on Conductor. | | |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

FIDELITY
Exploration & Production Company
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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/11/2014**
**Report #: 4, DFS: -0.10**
**Daily Depth Progress:**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/10/2014 06:00 | 4/11/2014 06:00 | -0.10 | 0.0 | 0.0 | |

Operations at Report Time
Drilling

Operations Summary

Rig up Drill Floor. Rig up Blooie line. Rig up Air Jammers equipment to the floor. Stage and strap drillpipe, HWDP and collars. Pickup 17 1/2" Hammer, Surface Test.

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 1 | Rig up Blooie Line from Conductor to Muffler. Rig up Air Jammers equipment to the floor. Stage and Strap drillpipe. | 110.0 | 110.0 |
| 12:00 | 4.00 | 10.00 | 1 | Receive 13 3/8" casing. Clean and Drift. Troubleshoot Top Drive. Rig up rig floor. | 110.0 | 110.0 |
| 16:00 | 3.00 | 13.00 | 6 | Picking up 4 1/2" drill pipe & racking in derrick. Accept Rig at 16:00 hrs, 10-Apr-14. | 110.0 | 110.0 |
| 19:00 | 6.00 | 19.00 | 6 | Picking up 4 1/2" drill pipe & racking in derrick, & 21 jts. of 4 1/2" h.wt. | 110.0 | 110.0 |
| 01:00 | 2.50 | 21.50 | 6 | Pick up 6 1/2" Drill Collars & Jars, 8" Drill Collars | 110.0 | 110.0 |
| 03:30 | 0.50 | 22.00 | 1 | Install mouse hole & load hammer bit, hammer & subs on rig floor | 110.0 | 110.0 |
| 04:00 | 2.00 | 24.00 | 6 | Make up hammer bit & hammer, surface test hammer, test air line to 1270psi. | 110.0 | 110.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/12/2014**
**Report #: 5, DFS: 0.90**
**Daily Depth Progress: 552.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/11/2014 06:00 | 4/12/2014 06:00 | 0.90 | 118.0 | 670.0 | 552.00 |

Operations at Report Time

Operations Summary
Finish installing rotating head & rubber, spud well @ 08:30hrs., drill from 118' to 190', survey, drill from 190' to 288', POOH, TIH w/D.C.s, drill from 288' to 506', survey, POOH, TIH w/D.C.s, drill from 506' to 670', work on top drive,

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.50 | 2.50 | 1 | Install rotating head bushing on conductor. Stab rotating head rubber on HWDP and install in rotating head. | | |
| 08:30 | 1.50 | 4.00 | 2 | Spud well at 08:30, 4-11-14. Rotary drill with Hammer from 118 ft to 190'. Air 3000 scfm, Water 18-22 gpm, Soap 5-6 gph. Blow hole clean prior to survey. | 118.0 | 190.0 |
| 10:00 | 0.50 | 4.50 | 20 | Run single shot survey on Slickline. Survey Depth: 84.91', Inc: 0.0° | 190.0 | 190.0 |
| 10:30 | 1.50 | 6.00 | 2 | Rotary drill with Hammer from 190 ft to 288'. Air 3000 scfm, Water 18-22 gpm, Soap 5-6 gph, Defoamer 4 gph. Blow hole clean prior to trip out for collars. | 190.0 | 288.0 |
| 12:00 | 3.00 | 9.00 | 6 | Trip out to 8" Collars. Pull rotating head rubber. Run in hole with 2 stands of 6 1/2" collars. Install rotaing head rubber. Install wash plate in catch tank. | 288.0 | 288.0 |
| 15:00 | 3.50 | 12.50 | 2 | Rotary drill with Hammer from 288' to 506'. Air 3000 scfm, Water 18-22 gpm, Soap 5-6 gph, Defoamer 4gph. Blow hole clean prior to survey | 288.0 | 506.0 |
| 18:30 | 0.50 | 13.00 | 10 | Survey @ 482' .28° | 506.0 | 506.0 |
| 19:00 | 2.50 | 15.50 | 6 | POOH 3 stds. H.WT., pull rotating rubber,TIH 3stds. D.C.s, install rotating rubber | 506.0 | 506.0 |
| 21:30 | 2.00 | 17.50 | 2 | Rotary drill with Hammer from 506' to 670'. Air 3000 scfm, Water 18-22 gpm, Soap 5 gph. Defoamer 4 gph. | 506.0 | 670.0 |
| 23:30 | 6.50 | 24.00 | 8 | Link tilt not working on top drive, trouble shoot problem, work pipe & cir. with air while working on top drive. | 670.0 | 670.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 118.0 | 1,195.0 | 1,077.00 | 4/11/2014 08:30 | 4/12/2014 21:30 | 20.50 | 52.5 | 20.50 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

FIDELITY
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An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/13/2014**
**Report #: 6, DFS: 1.90**
**Daily Depth Progress: 525.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/12/2014 06:00 | 4/13/2014 06:00 | 1.90 | 670.0 | 1,195.0 | 525.00 |

Operations at Report Time

Operations Summary
Rig Repair. Drill from 670' -695'. Repair TDU. Drill 695'' to742'. Rig Repair. Drill from 742' to 869'. Survey. Drill from 869' to 973'. Rig Repair. Drill from 973' to 1195'. blow hole clean, survey, short trip. blow hole clean, pump 300bbls. water, POOH, break out bit & hammer, rig up to run casing,

Operations Next Report Period
Nipple up B.O.P.

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 8 | Repair top drive. Change controller module. | 670.0 | 670.0 |
| 06:30 | 0.50 | 1.00 | 2 | Rotary drill with Hammer from 670' to 695. Air 3000 scfm, Water 18-22 gpm, Soap 5 gph. Defoamer 4 gph. | 670.0 | 695.0 |
| 07:00 | 1.00 | 2.00 | 8 | Repair Top Drive. | 695.0 | 695.0 |
| 08:00 | 1.00 | 3.00 | 2 | Rotary drill with Hammer from 695' to 742. Air 3000 scfm, Water 18-22 gpm, Soap 5 gph. Defoamer 4 gph. | 695.0 | 742.0 |
| 09:00 | 1.00 | 4.00 | 8 | Repair Top Drive. | 742.0 | 742.0 |
| 10:00 | 2.50 | 6.50 | 2 | Rotary drill with Hammer from 742' to 869. Air 3000 scfm, Water 18-22 gpm, Soap 5 gph. Defoamer 4 gph. | 742.0 | 869.0 |
| 12:30 | 0.50 | 7.00 | 20 | Blow hole clean. Run deviation survey on slickline. Depth: 837', Inc: 0.34°. | 869.0 | 869.0 |
| 13:00 | 2.50 | 9.50 | 2 | Rotary drill with Hammer from 869' to 973. Air 4800 scfm, Water 18-22 gpm, Soap 5 gph. Defoamer 4 gph. | 869.0 | 973.0 |
| 15:30 | 1.50 | 11.00 | 8 | Rig Repair. Communication lost from Top Drive to Driller's Console. | 973.0 | 973.0 |
| 17:00 | 4.00 | 15.00 | 2 | Rotary drill with Hammer from 973' to 1195'. Air 4800 scfm, Water 18-22 gpm, Soap 5 gph. Defoamer 4 gph. | 973.0 | 1,195.0 |
| 21:00 | 1.00 | 16.00 | 5 | Blow hole clean for trip | 1,195.0 | 1,195.0 |
| 22:00 | 0.50 | 16.50 | 10 | Survey on slickline, @ 1178', .18° | 1,195.0 | 1,195.0 |
| 22:30 | 1.00 | 17.50 | 6 | POOH to D.C.s, & TIH to 1195' | 1,195.0 | 1,195.0 |
| 23:30 | 2.00 | 19.50 | 5 | Blow hole clean & pump 300bbls. water into hole down drill pipe. | 1,195.0 | 1,195.0 |
| 01:30 | 1.50 | 21.00 | 6 | POOH | 1,195.0 | 1,195.0 |
| 03:00 | 1.00 | 22.00 | 6 | Pull rotating head. Break out bit & hammer, lay down same. | 1,195.0 | 1,195.0 |
| 04:00 | 1.50 | 23.50 | 12 | Rig up casing tools to run 13 3/8" surface casing | 1,195.0 | 1,195.0 |
| 05:30 | 0.50 | 24.00 | 12 | Makeup Float Shoe and Float Collar. Pump through string to check floats, good. Run Collar clamp on first 10 jnts.. | 1,195.0 | 1,195.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1…) | Gel (10s) (lbf… | Gel (10m) (lb… | Gel (30m) (lb… | Filtrate (mL/… | FC (1/32") | HTHP Filtrat… | HTHP FC (1… |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr… | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft… | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time… | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 118.0 | 1,195.0 | 1,077.00 | 4/11/2014 08:30 | 4/12/2014 21:30 | 20.50 | 52.5 | 20.50 | | | 100.00 |



**Report Printed: 5/7/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/13/2014**
**Report #: 6, DFS: 1.90**
**Daily Depth Progress: 525.00**

## Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/14/2014**
**Report #: 7, DFS: 2.90**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/13/2014 06:00 | 4/14/2014 06:00 | 2.90 | 1,195.0 | 1,195.0 | 0.00 |

Operations at Report Time

Operations Summary
Run 13 3/8" casing., cir. rig up & cement, rig down, nipple down blooie line, cut pipe, top out, weld on A-section & test same, nipple up B-section & BOPs.,

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Thunderstorms | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.00 | 2.00 | 12 | Run 13 3/8" - 54.5 ppf -BTC J-55 casing from 90' to 1195'. Collar clamp on first 10 jnts. Fill when floating. Fill at 935'. | 1,195.0 | 1,195.0 |
| 08:00 | 1.00 | 3.00 | 5 | Makeup circulating swedge. Fill casing with dirty water from air drilling. Pump 85 spm, 300 gpm, SPP =90 psi. No returns to surface. Rig down B&L casing equipment. Pre Job Safety Meeting with HES and Rig Crew. | 1,195.0 | 1,195.0 |
| 09:00 | 1.00 | 4.00 | 12 | Pull circulating swedge. Rig up HES Cementing head. Change Bales to 18 ft B&L casing bales to allow casing be moved with cement head installed.. | 1,195.0 | 1,195.0 |
| 10:00 | 2.00 | 6.00 | 12 | Safety meeting, test lines to 3140 psi, mix & pump, 10bbls. water, 20bbls.Superflush 101, 10bbls. water, 186.5bbls. = 440sks. Lead cement @ 12.3ppg, yield 2.38. 110.9bbls. Tail cement = 295sks. @ 12.8ppg, yield 2.11. drop plug, displace with 177.4bbls. water, bump plug with 764psi. = 500 psi over, hold 10mins. bleed off press, got back 1.5 bbls. floats holding, Returns to surface after 326 bbl pumped, 87 bbl cement to surface. | 1,195.0 | 1,195.0 |
| 12:00 | 1.00 | 7.00 | 12 | Rig down cement head and cement equipment. | 1,195.0 | 1,195.0 |
| 13:00 | 1.50 | 8.50 | 1 | Nipple down Blooie from 20 in riser. Rough Cut riser and 13 3/8" casing. Cement fell back 40 ft below ground level in 2.5 hrs. | 1,195.0 | 1,195.0 |
| 14:30 | 0.50 | 9.00 | 12 | Pump 10 bbl = 50sks. 15.6 ppg slurry for Top off. Cement at ground level. | 1,195.0 | 1,195.0 |
| 15:00 | 3.00 | 12.00 | 12 | Make final cut on 13 3/8" casing. Weld on A-section of Wellhead. Set catwalk out. Stage BOPE for nipple up. | 1,195.0 | 1,195.0 |
| 18:00 | 12.00 | 24.00 | 14 | Nipple up B-section of well head, spool, BOPs, wing valves, rotating head, control lines, torquing bolts | 1,195.0 | 1,195.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/14/2014**
**Report #: 7, DFS: 2.90**
**Daily Depth Progress: 0.00**

## Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/15/2014**
**Report #: 8, DFS: 3.90**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/14/2014 06:00 | 4/15/2014 06:00 | 3.90 | 1,195.0 | 1,195.0 | 0.00 |

Operations at Report Time
TIH

Operations Summary
Complete Nipple up. Test BOPE with Cameron. Change out IBOP, test IBOP & Kelly hose, rig down Cameron testers, Stage Numa tools. Make up Hammer & Bit, Surface test hammer, Trip in hole to drill shoe track.

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 5.00 | 5.00 | 14 | Finish nipple up & torque up bolts on BOPE, function testBOP, dress top drive to test, rig up test truck | 1,195.0 | 1,195.0 |
| 11:00 | 7.00 | 12.00 | 15 | Testing BOPs, all rams & valves to 250 low & 10,000 high, annular to 250 low & 5000 high. IBOP & DART VALVE FAILED TO TEST. | 1,195.0 | 1,195.0 |
| 18:00 | 5.00 | 17.00 | 15 | Testing choke manifold 250 low & 10,000 high, stand pipe valves & mud pumps to 250 low & 4500 high, test casing to 1900 psi. | 1,195.0 | 1,195.0 |
| 23:00 | 1.50 | 18.50 | 8 | Change out IBOP on top drive | 1,195.0 | 1,195.0 |
| 00:30 | 1.50 | 20.00 | 15 | Test IBOP to 250 low & 10,000 high, test stand pipe & valves 250 low & 4000 high. | 1,195.0 | 1,195.0 |
| 02:00 | 0.50 | 20.50 | 22 | Set Wear Bushing & lock down with 4 Anchor Lugs. | 1,195.0 | 1,195.0 |
| 02:30 | 2.00 | 22.50 | 6 | Make up Bit & Hammer, Surface test hammer. | 1,195.0 | 1,195.0 |
| 04:30 | 1.50 | 24.00 | 6 | Trip In The Hole | 1,195.0 | 1,195.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



Report Printed: 5/7/2014

FIDELITY Exploration & Production Company
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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/16/2014**
**Report #: 9, DFS: 4.90**
**Daily Depth Progress: 1,645.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/15/2014 06:00 | 4/16/2014 06:00 | 4.90 | 1,195.0 | 2,840.0 | 1,645.00 |

Operations at Report Time
Drilling

Operations Summary
Trip in hole. Drill Shoetrack. & formation to 1530', survey, drill from 1530' to 2071', survey, drill from 2071' to 2359' survey, drill from 2359' to 2,840'

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 22 | Install rotating rubber | 1,195.0 | 1,195.0 |
| 06:30 | 0.50 | 1.00 | 7 | Service rig & top drive | 1,195.0 | 1,195.0 |
| 07:00 | 0.50 | 1.50 | 3 | Wash & ream cement, tag float @ 1,148', drill shoe track to 1,195' | 1,195.0 | 1,195.0 |
| 07:30 | 4.00 | 5.50 | 2 | Air drilling 12 1/4" hole from 1195' to 1530', air misting, RPM 30, SPP 375 psi, WOB 8K,CFM 3600 | 1,195.0 | 1,530.0 |
| 11:30 | 0.50 | 6.00 | 10 | Survey @ 1500' 0.38* | 1,530.0 | 1,530.0 |
| 12:00 | 6.50 | 12.50 | 2 | Air drilling 12 1/4" hole from 1530' to 2071', air misting, RPM 30, SPP 375psi, WOB 8k,CFM 3600 | 1,530.0 | 2,071.0 |
| 18:30 | 0.50 | 13.00 | 10 | Survey @ 2041' 0.29* | 2,071.0 | 2,071.0 |
| 19:00 | 3.50 | 16.50 | 2 | Air drilling 12 1/4" hole from 2071' to 2359', air misting, RPM 30, SPP 400psi, WOB 8k,CFM 3600 | 2,071.0 | 2,359.0 |
| 22:30 | 0.50 | 17.00 | 10 | Survey @ 2328' 0.52* | 2,359.0 | 2,359.0 |
| 23:00 | 3.50 | 20.50 | 2 | Air drilling 12 1/4" hole from 2359' to 2643', air misting, RPM 30, SPP 400psi, WOB 8k,CFM 3600 | 2,359.0 | 2,643.0 |
| 02:30 | 0.50 | 21.00 | 10 | Survey @ 2616' 0.60* | 2,643.0 | 2,643.0 |
| 03:00 | 3.00 | 24.00 | 2 | Air drilling 12 1/4" hole from 2,643' to 2,840', air misting, RPM 30, SPP 400 psi, WOB 8K,CFM 3600 | 2,643.0 | 2,840.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,195.0 | 3,889.0 | 2,694.00 | 4/15/2014 07:30 | 4/17/2014 05:00 | 41.50 | 64.9 | 41.50 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



Report Printed: 5/7/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/17/2014**
**Report #: 10, DFS: 5.90**
**Daily Depth Progress: 1,049.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/16/2014 06:00 | 4/17/2014 06:00 | 5.90 | 2,840.0 | 3,889.0 | 1,049.00 |

Operations at Report Time
Cir.

Operations Summary
Drilling from 2840' to 2931', survey, drill from 2931' to 3220', survey, drill from 3220' to 3505', survey, drill from 3505' to 3794', survey, drill from 3794' to 3889', blow hole clean & cir. water

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.50 | 1.50 | 2 | Air drilling 12 1/4" hole from 2840' to 2,931', air misting, RPM 30, SPP 400psi, WOB 8k,CFM 3600 | 2,840.0 | 2,931.0 |
| 07:30 | 0.50 | 2.00 | 10 | Survey @ 2902' .60* | 2,931.0 | 2,931.0 |
| 08:00 | 5.50 | 7.50 | 2 | Air drilling 12 1/4" hole from 2,931' to 3220', air misting, RPM 30, SPP 400psi, WOB 8k,CFM 3600 | 2,931.0 | 3,220.0 |
| 13:30 | 0.50 | 8.00 | 10 | Survey @ 3220' .51* | 3,220.0 | 3,220.0 |
| 14:00 | 4.00 | 12.00 | 2 | Air drilling 12 1/4" hole from 3220' to 3420', air misting, RPM 30, SPP 400psi, WOB 8k,CFM 3600 | 3,220.0 | 3,420.0 |
| 18:00 | 1.50 | 13.50 | 2 | Air drilling 12 1/4" hole from 3420' to 3505', air misting, RPM 30, SPP 400psi, WOB 8k,CFM 3600 | 3,420.0 | 3,505.0 |
| 19:30 | 0.50 | 14.00 | 10 | survey @ 3475' .17* | 3,505.0 | 3,505.0 |
| 20:00 | 6.50 | 20.50 | 2 | Air drilling 12 1/4" hole from 3505' to 3794', air misting, RPM 35, SPP 500psi, WOB 8k,CFM 4800 | 3,505.0 | 3,794.0 |
| 02:30 | 0.50 | 21.00 | 10 | Survey @ 3764' .49* | 3,794.0 | 3,794.0 |
| 03:00 | 2.00 | 23.00 | 2 | Air drilling 12 1/4" hole from 3794' to 3889', air misting, RPM 40, SPP 500psi, WOB 8k,CFM 4800 | 3,794.0 | 3,889.0 |
| 05:00 | 1.00 | 24.00 | 5 | Blow hole clean & cir. 400bbls. water | 3,889.0 | 3,889.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,195.0 | 3,889.0 | 2,694.00 | 4/15/2014 07:30 | 4/17/2014 05:00 | 41.50 | 64.9 | 41.50 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



Report Printed: 5/7/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/18/2014**
**Report #: 11, DFS: 6.90**
**Daily Depth Progress: 578.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/17/2014 06:00 | 4/18/2014 06:00 | 6.90 | 3,889.0 | 4,467.0 | 578.00 |

**Operations at Report Time**
Drilling

**Operations Summary**
POOH, service rig, P/U new BHA, TIH, Cir. Drill from 3889' to 4467'

**Operations Next Report Period**
Run Casing & Cement

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 6 | POOH, lay down hammer, bit, & X-O | 3,889.0 | 3,889.0 |
| 12:00 | 0.50 | 6.50 | 7 | Service rig & top drive | 3,889.0 | 3,889.0 |
| 12:30 | 1.50 | 8.00 | 6 | Pick up & make up new bit, mud motor, shock sub, & surface test motor | 3,889.0 | 3,889.0 |
| 14:00 | 2.50 | 10.50 | 6 | TIH | 3,889.0 | 3,889.0 |
| 16:30 | 1.50 | 12.00 | 5 | Blow water out of hole & regain cir. | 3,889.0 | 3,889.0 |
| 18:00 | 6.50 | 18.50 | 2 | Drilling with straight mud motor 12 1/4" hole from 3889' to 4082', SPP 500psi, SPM 20, RPM 70, CFM 3600 | 3,889.0 | 4,082.0 |
| 00:30 | 0.50 | 19.00 | 10 | Survey @ 4050' .11* | 4,082.0 | 4,082.0 |
| 01:00 | 4.00 | 23.00 | 2 | Drilling with straight mud motor 12 1/4" hole from 4082' to 4467', SPP 730psi, SPM 30, RPM 70, CFM 3600 | 4,082.0 | 4,467.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3,889.0 | 4,571.0 | 682.00 | 4/17/2014 19:30 | 4/18/2014 08:00 | 11.25 | 60.6 | 11.25 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/19/2014**
**Report #: 12, DFS: 7.90**
**Daily Depth Progress: 104.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/18/2014 06:00 | 4/19/2014 06:00 | 7.90 | 4,467.0 | 4,571.0 | 104.00 |

Operations at Report Time
Cir.

Operations Summary
Drill from 4467't to 4571', cir., survey, short trip, cir. & spot pill, POOH, L/D 8" D.C.s, pull wear bushing, rig up casing tools, safety meeting, M/U shoe track & run 9 5/8" casing, land casing, rig down casing tools, cir.

Operations Next Report Period
Run Casing & Cement

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 2.00 | 2.00 | 2 | Drill from 4467' to 4571' | 4,467.0 | 4,571.0 |
| 08:00 | 0.50 | 2.50 | 5 | Blow hole clean | 4,571.0 | 4,571.0 |
| 08:30 | 1.00 | 3.50 | 10 | Survey @ 4560' 4.68* | 4,571.0 | 4,571.0 |
| 09:30 | 1.00 | 4.50 | 5 | Blow hole clean | 4,571.0 | 4,571.0 |
| 10:30 | 1.00 | 5.50 | 6 | Short trip to 3500'. TIH | 4,571.0 | 4,571.0 |
| 11:30 | 2.50 | 8.00 | 5 | Cir. hole clean, spot LCM pill | 4,571.0 | 4,571.0 |
| 14:00 | 1.50 | 9.50 | 6 | POOH | 4,571.0 | 4,571.0 |
| 15:30 | 4.00 | 13.50 | 6 | POOH with BHA, pull rotating rubber, install trip nipple, lay down 8" drill collars, shock sub, mud motor & bit. | 4,571.0 | 4,571.0 |
| 19:30 | 0.50 | 14.00 | 22 | Pull wear bushing | 4,571.0 | 4,571.0 |
| 20:00 | 1.50 | 15.50 | 12 | Rig up to run 9 5/8" casing & safety meeting | 4,571.0 | 4,571.0 |
| 21:30 | 7.00 | 22.50 | 12 | Make up shoe track & running 9 5/8", 47#, P110, BTC casing, run total of 109jts., set @ 4563ft. | 4,571.0 | 4,571.0 |
| 04:30 | 0.50 | 23.00 | 12 | Land out casing, rig down casing running tools | 4,571.0 | 4,571.0 |
| 05:00 | 1.00 | 24.00 | 5 | Pump water down casing, attempting to cir. | 4,571.0 | 4,571.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 3,889.0 | 4,571.0 | 682.00 | 4/17/2014 19:30 | 4/18/2014 08:00 | 11.25 | 60.6 | 11.25 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

FIDELITY
Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/20/2014**
**Report #: 13, DFS: 8.90**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/19/2014 06:00 | 4/20/2014 06:00 | 8.90 | 4,571.0 | 4,571.0 | 0.00 |

**Operations at Report Time**
P/U pipe

**Operations Summary**
Cir., R/U & cement, set pack off & test same, top out, N/D booie line, run gyro, N/U flow line & orbit valve, pick up pipe & rack in derrick, M/U bit, bit sub, TIH with drill collars & Pick up 30jts. H.WT., P/U drill pipe

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 5 | Att. to circ, pump 1 1/5 casing vol. | 4,571.0 | 4,571.0 |
| 07:00 | 0.50 | 1.50 | 12 | Held safety meeting, rig up cement head & halb. iron | 4,571.0 | 4,571.0 |
| 07:30 | 2.00 | 3.50 | 12 | Test lines, mix & pump, 10bbls. water spacer, 115.1bbls. = 320skx, @ 13ppg, 2.02 yield, drop plug, displace with 331bbls. fresh water, bump plug with 700psi, held for 10 mins. released press, (float holding) Rig down Halb. | 4,571.0 | 4,571.0 |
| 09:30 | 3.00 | 6.50 | 22 | Lay down landing jt. pick up pack off, set pack off, test pack off to 3500psi for 15mins. lay down pack off running tool, install wear bushing | 4,571.0 | 4,571.0 |
| 12:30 | 1.00 | 7.50 | 12 | Mix & pump 5bbls. water, 486sx, 182 bbls. revercem cement, @ 12.8ppg, yield 2.1 | 4,571.0 | 4,571.0 |
| 13:30 | 1.50 | 9.00 | 14 | Nipple down blooie line, move clean harbor tanks, stage flow line into place while cement top job. | 4,571.0 | 4,571.0 |
| 15:00 | 1.00 | 10.00 | 10 | Rig up & run gyro from 4460' to surface with native navigation. install flow line, while cement top job | 4,571.0 | 4,571.0 |
| 16:00 | 4.50 | 14.50 | 14 | Finish installing flow line & nipple up orbit valve & x-over | 4,571.0 | 4,571.0 |
| 20:30 | 5.00 | 19.50 | 6 | Pick up 114jts. of 4 1/2" drill pipe & rack in derrick | 4,571.0 | 4,571.0 |
| 01:30 | 4.00 | 23.50 | 6 | Make up bit, bit sub w/float, TIH with drill collars, pick 1 more D.C., & 30 H.WT. | 4,571.0 | 4,571.0 |
| 05:30 | 0.50 | 24.00 | 6 | Picking up single jts. of drill pipe & running in hole | 4,571.0 | 4,571.0 |

## Mud Check: <depth>ftKB, <dttm>

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/21/2014**
**Report #: 14, DFS: 9.90**
**Daily Depth Progress: 34.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/20/2014 06:00 | 4/21/2014 06:00 | 9.90 | 4,571.0 | 4,605.0 | 34.00 |

**Operations at Report Time**
P/U dir. BHA

**Operations Summary**
Pick up Drill Pipe running in hole, service rig, P/U pipe, test casing, drill float equipment & formation to 4574', circulate & FIT = 18.0 ppg, clean pits, transfer OBM to pits. Displace hole with 13.8+ppg OBM, drill from 4574' to 4605', Circulate & POOH, L/D Drill Collars, P/U Directional BHA.

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.50 | 1.50 | 6 | Pick up 4 1/2" drill pipe | 4,571.0 | 4,571.0 |
| 07:30 | 1.00 | 2.50 | 7 | Service rig, top drive | 4,571.0 | 4,571.0 |
| 08:30 | 2.50 | 5.00 | 6 | Pick up 4 1/2" drill pipe, & install rotating rubber | 4,571.0 | 4,571.0 |
| 11:00 | 1.50 | 6.50 | 22 | Rig up camerom & test casint to 4632psi, for 30mins. | 4,571.0 | 4,571.0 |
| 12:30 | 1.00 | 7.50 | 6 | Pick up 4 1/2" drill pipe, tagged cement @ 4518' (wash from 4500' to 4518') | 4,571.0 | 4,571.0 |
| 13:30 | 1.50 | 9.00 | 2 | Drill float equip. & formation to 4574' | 4,571.0 | 4,574.0 |
| 15:00 | 0.50 | 9.50 | 5 | Cir. to clean hole for FIT test | 4,574.0 | 4,574.0 |
| 15:30 | 0.50 | 10.00 | 22 | FIT test shoe to 2280psi = 18.0ppg | 4,574.0 | 4,574.0 |
| 16:00 | 3.00 | 13.00 | 22 | Cleaning pits. | 4,574.0 | 4,574.0 |
| 19:00 | 1.50 | 14.50 | 5 | Transfering oil base mud from tank farm over shaker to pits | 4,574.0 | 4,574.0 |
| 20:30 | 2.00 | 16.50 | 5 | Displace out out of well with 13.8+ppg oil base mud @ 4BPM | 4,574.0 | 4,574.0 |
| 22:30 | 2.00 | 18.50 | 2 | Drill from 4574' to 4605' WOB 23k, RPM 120, SPM 75&75, SPP 2700, GPM 525 | 4,574.0 | 4,605.0 |
| 00:30 | 0.50 | 19.00 | 5 | Cir. bottoms up & pump slug | 4,605.0 | 4,605.0 |
| 01:00 | 2.50 | 21.50 | 6 | POOH | 4,605.0 | 4,605.0 |
| 03:30 | 2.50 | 24.00 | 6 | Lay down 6" drill collars | 4,605.0 | 4,605.0 |

## Mud Check: 4,587.0ftKB, 4/20/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/20/2014 | 4,587.0 | 13.85 | 59 | 21.0 | 13.000 | 9.000 | 13.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 386,017.00 0 | | | 27.0 | | 86.3/13.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | | | | 80.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,571.0 | 4,605.0 | 34.00 | 4/20/2014 22:30 | 4/21/2014 00:30 | 2.00 | 17.0 | 2.00 | | | 100.00 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/22/2014**
**Report #: 15, DFS: 10.90**
**Daily Depth Progress: 800.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/21/2014 06:00 | 4/22/2014 06:00 | 10.90 | 4,605.0 | 5,405.0 | 800.00 |

Operations at Report Time
Drilling ahead

Operations Summary
make up dir. BHA, TIH, wash & ream, Drill from 4605' to 5405'

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 3.00 | 3.00 | 6 | Pick up & make up Directional BHA, & surface test same | 4,605.0 | 4,605.0 |
| 09:00 | 3.00 | 6.00 | 6 | TIH to 4570' | 4,605.0 | 4,605.0 |
| 12:00 | 1.00 | 7.00 | 3 | Wash & ream from 4570' to 4605' | 4,605.0 | 4,605.0 |
| 13:00 | 5.00 | 12.00 | 2 | Rotate & slide drilling 8 1/2" hole from 4605' to 4792', WOB 5/11K, SPM 75/75, SPP 3400 psi, Pump rate 525 gpm, RPM 45 | 4,605.0 | 4,792.0 |
| 18:00 | 6.00 | 18.00 | 2 | Rotate & slide drilling 8 1/2" hole from 4792' to 5011', WOB 5/11K, SPM 75/75, SPP 3400 psi, Pump rate 525 gpm, RPM 45 | 4,792.0 | 5,011.0 |
| 00:00 | 6.00 | 24.00 | 2 | Rotate & slide drilling 8 1/2" hole from 5011' to 5405', WOB 5/11K, SPM 75/75, SPP 3400 psi, Pump rate 525 gpm, RPM 45 | 5,011.0 | 5,405.0 |

## Mud Check: 4,715.0ftKB, 4/21/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/21/2014 | 4,715.0 | 13.90 | 54 | 20.0 | 13.000 | 9.000 | 13.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 386,017.000 | | | 27.0 | | 86.3/13.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 24.0 | | | 84.0 | |

## Mud Check: 5,080.0ftKB, 4/21/2014 23:45

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/21/2014 | 5,080.0 | 13.80 | 45 | 23.0 | 15.000 | 8.000 | 13.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 368,034.000 | | | 26.0 | | 86.5/13.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 43.0 | | | 85.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,605.0 | 7,667.0 | 3,062.00 | 4/21/2014 13:15 | 4/24/2014 21:10 | 69.01 | 44.4 | 31.01 | 38.00 | 55.06 | 44.94 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



Report Printed: 5/7/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/23/2014**
**Report #: 16, DFS: 11.90**
**Daily Depth Progress: 1,536.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/22/2014 06:00 | 4/23/2014 06:00 | 11.90 | 5,405.0 | 6,941.0 | 1,536.00 |

Operations at Report Time: Drilling ahead

Operations Summary: Drilling from 5405' to 6941'

Operations Next Report Period: Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Rotate & slide from 5405' to 5750', WOB 16/23k, SPM 75/75, SPP 3500psi, RPM 45, BOP drill 1min 15sec. | 5,405.0 | 5,750.0 |
| 12:00 | 6.00 | 12.00 | 2 | Rotate & slide from 5750.' to 6200', WOB 16/23k, SPM 75/75, SPP 3500psi, RPM 45, BOP drill 1min 15sec. | 5,750.0 | 6,200.0 |
| 18:00 | 6.00 | 18.00 | 2 | Rotate & slide from 6200.' to 6700', WOB 16/23k, SPM 75/75, SPP 3500psi, RPM 45, | 6,200.0 | 6,700.0 |
| 00:00 | 6.00 | 24.00 | 2 | Rotate & slide from 6700' to 6941', WOB 16/23k, SPM 75/75, SPP 3500psi, RPM 45, BOP drill 45sec. | 6,700.0 | 6,941.0 |

## Mud Check: 6,010.0ftKB, 4/22/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/22/2014 | 6,010.0 | 13.90 | 47 | 23.0 | 14.000 | 11.000 | 15.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 366,882.00 | | | 27.0 | | 86.3/13.7 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 39.0 | | | 88.0 | |

## Mud Check: <depth>ftKB, 4/22/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/22/2014 | | 13.90 | 46 | 23.0 | 16.000 | 8.000 | 13.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 367,466.00 | | | 26.0 | | 86.5/13.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 29.0 | | | 90.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,605.0 | 7,667.0 | 3,062.00 | 4/21/2014 13:15 | 4/24/2014 21:10 | 69.01 | 44.4 | 31.01 | 38.00 | 55.06 | 44.94 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/24/2014**
**Report #: 17, DFS: 12.90**
**Daily Depth Progress: 519.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/23/2014 06:00 | 4/24/2014 06:00 | 12.90 | 6,941.0 | 7,460.0 | 519.00 |

Operations at Report Time
Drilling ahead

Operations Summary
Drilling curve.from 6941' to 7460'

Operations Next Report Period
Drilling

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.50 | 1.50 | 2 | slide from 6941' to 6995', WOB 22k, RPM 45, SPM 74/74, SPP 3600psi | 6,941.0 | 6,995.0 |
| 07:30 | 0.50 | 2.00 | 7 | service rig & top drive | 6,995.0 | 6,995.0 |
| 08:00 | 4.00 | 6.00 | 2 | slide & rotate from 6995' to 7074', WOB 22k, RPM 45, SPM 74/74, SPP 3600psi | 6,995.0 | 7,074.0 |
| 12:00 | 6.00 | 12.00 | 2 | slide & rotate from 7074.' to 7155', WOB 22k, RPM 45, SPM 74/74, SPP 3600psi. BOP drill 45sec. | 7,074.0 | 7,155.0 |
| 18:00 | 6.00 | 18.00 | 2 | slide & rotate from 7155.' to 7285', WOB 22k, RPM 45, SPM 74/74, SPP 3600psi | 7,155.0 | 7,285.0 |
| 00:00 | 6.00 | 24.00 | 2 | slide & rotate from 7285.' to 7460', WOB 22k, RPM 45, SPM 74/74, SPP 3600psi BOP drill 40sec. | 7,285.0 | 7,460.0 |

## Mud Check: 7,114.0ftKB, 4/23/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/23/2014 | 7,114.0 | 14.00 | 46 | 22.0 | 14.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 37,000.000 | | | | 27.0 | | 86.5/13.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 45.0 | | | | |

## Mud Check: <depth>ftKB, 4/23/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/23/2014 | | 14.10 | 46 | 24.0 | 12.000 | 9.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 39,669.000 | 13,600.000 | | | 28.0 | | 87.5/12.5 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 18.0 | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,605.0 | 7,667.0 | 3,062.00 | 4/21/2014 13:15 | 4/24/2014 21:10 | 69.01 | 44.4 | 31.01 | 38.00 | 55.06 | 44.94 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/25/2014**
**Report #: 18, DFS: 13.90**
**Daily Depth Progress: 207.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/24/2014 06:00 | 4/25/2014 06:00 | 13.90 | 7,460.0 | 7,667.0 | 207.00 |

**Operations at Report Time**
Trip out of hole.

**Operations Summary**
Drilled Curve from 7,460' to 7,667' End of Curve. Circulated hole clean, pumped dry job. Wiper trip from 7,667' to 6,325', circulate/ream out from 7,667' to 6,800' due to pulling tight, hole pulled free from 6,800' to 6,325'. Trip in hole to 7,378' wash down to 7,667'. Circulate hole clean. Pump dry job. POOH.

**Operations Next Report Period**
Wire Line Logs

| Weather | Wellbore |
|---|---|
| Sunny and Clear | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Tucker Yancey | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 5.50 | 5.50 | 2 | Slide & Rotate from 7,460' to 7,571', WOB 0- 22K, RPM 45, SPM 74/74, SPP 3600psi. | 7,460.0 | 7,571.0 |
| 11:30 | 0.50 | 6.00 | 9 | Serviced Rig & Top Drive. | 7,571.0 | 7,571.0 |
| 12:00 | 6.00 | 12.00 | 2 | Slide & Rotate from 7,571' to 7,650', WOB 0-22K, RPM 45, SPM 74/74, SPP 3600 psi. | 7,571.0 | 7,650.0 |
| 18:00 | 1.50 | 13.50 | 2 | Rotate from 7,650' to 7,667' end of curve section. WOB 0-22K, RPM 45, SPM 74/74, SPP 3600 psi. | 7,650.0 | 7,667.0 |
| 19:30 | 1.50 | 15.00 | 5 | Circulated hole clean. Pumped dry job. | 7,667.0 | 7,667.0 |
| 21:00 | 3.50 | 18.50 | 6 | Circulated out of hole to wipe hole from 7,667' to 6,800' due to tight hole. Pulled free on elevators from 6,800' to 6,325'. | 7,667.0 | 7,667.0 |
| 00:30 | 1.50 | 20.00 | 6 | Trip in hole to 7,380' and hit tight spot. Washed and reamed from 7,380' to 7,667'. | 7,667.0 | 7,667.0 |
| 02:00 | 1.50 | 21.50 | 5 | Circulated 2 X Bottoms Up. Pumped dry job. | 7,667.0 | 7,667.0 |
| 03:30 | 2.50 | 24.00 | 6 | Trip out of hole from 7,667', no tight spots in curve encountered. Held Trip Drill, men in position in 2 min 13 seconds. | 7,667.0 | 7,667.0 |

## Mud Check: 7,606.0ftKB, 4/24/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/24/2014 | 7,606.0 | 14.50 | 45 | 23.0 | 14.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,000.000 | | | | 30.0 | | 87.1/12.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 14.0 | | | 108.0 | |

## Mud Check: <depth>ftKB, 4/24/2014 23:59

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/24/2014 | | 14.50 | 45 | 26.0 | 15.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 372,363.000 | 14,000.000 | | | 30.0 | | 87.1/12.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 3.0 | | | 109.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,605.0 | 7,667.0 | 3,062.00 | 4/21/2014 13:15 | 4/24/2014 21:10 | 69.01 | 44.4 | 31.01 | 38.00 | 55.06 | 44.94 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |



Report Printed: 5/7/2014

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/25/2014**
**Report #: 18, DFS: 13.90**
**Daily Depth Progress: 207.00**

## Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/26/2014**
**Report #: 19, DFS: 14.90**
**Daily Depth Progress: 0.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/25/2014 06:00 | 4/26/2014 06:00 | 14.90 | 7,667.0 | 7,667.0 | 0.00 |

**Operations at Report Time**
M/U Lateral BHA

**Operations Summary**
POOH. LD BHA. R/U Schlumberger and run logs. R/D Schlumberger. R/U Baker, ran CBL. R/D Logging Equip. M/U Lateral BHA.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 0.50 | 0.50 | 6 | Remove Rotating Head Bushing. Install Trip Nipple. | 7,667.0 | 7,667.0 |
| 06:30 | 1.50 | 2.00 | 6 | Trip out of hole from 2,684' to BHA. | 7,667.0 | 7,667.0 |
| 08:00 | 2.00 | 4.00 | 6 | L/D XO, NMDC, MWD,DPM, Pony NMDC, and sub. Drained Motor, broke off bit. Lay down Motor. | 7,667.0 | 7,667.0 |
| 10:00 | 1.50 | 5.50 | 11 | Held PJSM with Schlumberger. R/U Lubricator and Logging Equipment. | 7,667.0 | 7,667.0 |
| 11:30 | 4.50 | 10.00 | 11 | M/U Triple Combo Logging Tools and logged 8-1/2" Curve. F/ 7580' to csg. shoe, L/D Triple Combo Logging Tools. | 7,667.0 | 7,667.0 |
| 16:00 | 7.00 | 17.00 | 11 | M/U OBM Sonic Scanner Logging tools, Logged F/ 7550' to csg. shoe. | 7,667.0 | 7,667.0 |
| 23:00 | 1.50 | 18.50 | 11 | Held PJSM with Baker Logging Crew. R/U Logging Equipment. | 7,667.0 | 7,667.0 |
| 00:30 | 4.50 | 23.00 | 11 | Ran CBL on 9-5/8" Casing. R/D Logging Tools and Equipment. R/D Lubricator. | 7,667.0 | 7,667.0 |
| 05:00 | 1.00 | 24.00 | 6 | M/U Lateral BHA. | 7,667.0 | 7,667.0 |

## Mud Check: <depth>ftKB, 4/25/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/25/2014 | | 14.50 | 45 | 26.0 | 14.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 37,000.000 | | | | 30.0 | | 87.1/12.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 3.0 | | | | | |

## Mud Check: 7,667.0ftKB, 4/25/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/25/2014 | 7,667.0 | 14.50 | 45 | 26.0 | 14.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 37,000.000 | | | | 30.0 | | 87.1/12.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 5.0 | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/27/2014**
**Report #: 20, DFS: 15.90**
**Daily Depth Progress: 193.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/26/2014 06:00 | 4/27/2014 06:00 | 15.90 | 7,667.0 | 7,860.0 | 193.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section

**Operations Summary**
M/U Lateral BHA. TIH to shoe. Cut and slip drill line. Work on top drive. TIH to 7527', log from 7,527' to 7,667', Drilled 8-1/2" Lateral from 7,667' to 7,860'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Rain | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 1.00 | 1.00 | 6 | M/U Mud Motor, Float Sub, PZIG UXM, DPM, NMDC and XO. Orient and scribe assembly. | 7,667.0 | 7,667.0 |
| 07:00 | 0.50 | 1.50 | 9 | Service Mud Pump # 1. | 7,667.0 | 7,667.0 |
| 07:30 | 1.50 | 3.00 | 6 | Surface Test MWD. M/U Pzig LXM and Bit. M/U Lateral BHA. | 7,667.0 | 7,667.0 |
| 09:00 | 2.00 | 5.00 | 6 | Trip in hole to 4,494'. | 7,667.0 | 7,667.0 |
| 11:00 | 0.50 | 5.50 | 6 | Removed Trip Nipple and Installed Rotating Head Bushing. | 7,667.0 | 7,667.0 |
| 11:30 | 1.00 | 6.50 | 6 | Trip in 2 stands to get below shoe of 9-5/8" Casing. Test Pzig Tools. | 7,667.0 | 7,667.0 |
| 12:30 | 1.00 | 7.50 | 6 | Trip out 2 stands. Removed Rotating Head Bushing and install Trip Nipple. | 7,667.0 | 7,667.0 |
| 13:30 | 1.50 | 9.00 | 21 | Slipped and cut off 70 ft of Drilling Line. | 7,667.0 | 7,667.0 |
| 15:00 | 0.50 | 9.50 | 9 | Serviced Top Drive and repaired leak. | 7,667.0 | 7,667.0 |
| 15:30 | 1.50 | 11.00 | 6 | Trip in hole from 4,494' to 6,920'. | 7,667.0 | 7,667.0 |
| 17:00 | 1.00 | 12.00 | 6 | Removed Trip Nipple, Installed new bowl gasket and Rotating Head Bushing. | 7,667.0 | 7,667.0 |
| 18:00 | 0.50 | 12.50 | 6 | Trip in hole from 6,920' to 7,527'. | 7,667.0 | 7,667.0 |
| 18:30 | 2.00 | 14.50 | 10 | Logged down with iPZIG from 7,527' to 7,667'. | 7,667.0 | 7,667.0 |
| 20:30 | 3.50 | 18.00 | 2 | Drilled 8-1/2" Hole from 7,667' to 7,707', WOB 0-22K, RPM 20, SPM 62/62, 434 GPM, SPP 3500 psi. BG 80-110 Units. | 7,667.0 | 7,707.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilled 8-1/2" Hole from 7,707' to 7,860', WOB 0-22K, RPM 35, 448 GPM, SPP 3800 psi. BG 80-110 Units.<br>BOP Drill, Men at Stations in 36 Seconds. | 7,707.0 | 7,860.0 |

## Mud Check: <depth>ftKB, 4/26/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/26/2014 | | 14.80 | 54 | 25.0 | 17.000 | 9.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 39,485.000 | | | | 31.0 | | 87/13 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 0.0 | | | | | |

## Mud Check: 7,667.0ftKB, 4/26/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/26/2014 | 7,667.0 | 14.50 | 48 | 25.0 | 17.000 | 10.000 | 14.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,000.000 | | | | 30.0 | | 87.1/12.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| 5.0 | | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,667.0 | 11,961.0 | 4,294.00 | 4/26/2014 18:25 | 5/1/2014 06:00 | 94.62 | 45.4 | 60.53 | 34.09 | 36.03 | 63.97 |



**Report Printed: 5/7/2014**

FIDELITY
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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/27/2014**
**Report #: 20, DFS: 15.90**
**Daily Depth Progress: 193.00**

## Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

**Casing & Liners**

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/28/2014**
**Report #: 21, DFS: 16.90**
**Daily Depth Progress: 1,320.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/27/2014 06:00 | 4/28/2014 06:00 | 16.90 | 7,860.0 | 9,180.0 | 1,320.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section

**Operations Summary**
Drilled 8-1/2" Lateral Section from 7,860' to 9,180'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilled 8-1/2" Hole from 7,860' to 8,248', WOB 0-22K, RPM 35, 448 GPM, SPP 3800 psi. BG 80-110 Units. | 7,860.0 | 8,248.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilled 8-1/2" Hole from 8,248' to 8,549', WOB 0-22K, RPM 35, 448 GPM, SPP 3900 psi. BG 30-80 Units. BOP Drill, Men at Stations in 45 Seconds. | 8,248.0 | 8,549.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilled 8-1/2" Hole from 8,549' to 8,909', WOB 0-22K, RPM 35, 448 GPM, SPP 3900 psi. BG 30-80 Units. | 8,549.0 | 8,909.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilled 8-1/2" Hole from 8,909' to 9,180', WOB 0-22K, RPM 35, 448 GPM, SPP 3950 psi. BG 30-80 Units. BOP Drill, Men at Stations in 33 Seconds. | 8,909.0 | 9,180.0 |

## Mud Check: 8,343.0ftKB, 4/27/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/27/2014 | 8,343.0 | 14.80 | 50 | 27.0 | 15.000 | 12.000 | 15.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 37,000.000 | | | | 31.0 | | 87/13 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 33.0 | | | 104.0 | |

## Mud Check: <depth>ftKB, 4/27/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/27/2014 | | 14.90 | 50 | 28.0 | 16.000 | 12.000 | 15.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 390,230.00 0 | | | | 33.0 | | 88.1/11.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 0.0 | | | 104.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,667.0 | 11,961.0 | 4,294.00 | 4/26/2014 18:25 | 5/1/2014 06:00 | 94.62 | 45.4 | 60.53 | 34.09 | 36.03 | 63.97 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

FIDELITY Exploration & Production Company
An MDU Resources Group company

# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/29/2014**
**Report #: 22, DFS: 17.90**
**Daily Depth Progress: 924.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/28/2014 06:00 | 4/29/2014 06:00 | 17.90 | 9,180.0 | 10,104.0 | 924.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section.

**Operations Summary**
Drilled 8-1/2" Lateral Section from 9180' to 10,104'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilled 8-1/2" Hole from 9,180' to 9,445', WOB 0-22K, RPM 35, 448 GPM, SPP 3950 psi. BG 30-80 Units. Mud Wt 14.8 | 9,180.0 | 9,445.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilled 8-1/2" Hole from 9,445' to 9,726', WOB 0-22K, RPM 35, 448 GPM, SPP 3950 psi. BG 30-80 Units. Mud Wt 14.8<br>BOP Drill, Men at Stations in 45 Seconds. | 9,445.0 | 9,726.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilled 8-1/2" Hole from 9,726' to 9,917', WOB 0-22K, RPM 35, 448 GPM, SPP 3950 psi. BG 30-80 Units. Mud Wt 14.9 | 9,726.0 | 9,917.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilled 8-1/2" Hole from 9,917' to 10,104', WOB 0-22K, RPM 35, 448 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.9 - 14.7<br>BOP Drill. Men at Stations 32 Seconds. | 9,917.0 | 10,104.0 |

## Mud Check: 9,561.0ftKB, 4/28/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/28/2014 | 9,561.0 | 14.80 | 52 | 27.0 | 18.000 | 13.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 38,000.000 | | | | 31.0 | | 87/13 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 23.0 | | | | |

## Mud Check: <depth>ftKB, 4/28/2014 23:58

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1...) | Gel (10s) (lbf...) | Gel (10m) (lb...) | Gel (30m) (lb...) | Filtrate (mL/...) | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/28/2014 | | 14.80 | 50 | 28.0 | 17.000 | 13.000 | 16.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 401,888.00 0 | | | | 32.5 | | 88.1/11.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 38.0 | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,667.0 | 11,961.0 | 4,294.00 | 4/26/2014 18:25 | 5/1/2014 06:00 | 94.62 | 45.4 | 60.53 | 34.09 | 36.03 | 63.97 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

FIDELITY
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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 4/30/2014**
**Report #: 23, DFS: 18.90**
**Daily Depth Progress: 833.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/29/2014 06:00 | 4/30/2014 06:00 | 18.90 | 10,104.0 | 10,937.0 | 833.00 |

**Operations at Report Time**
Drill 8-1/2" Lateral Section.

**Operations Summary**
Drill 8-1/2" Lateral Section 10,104' to 10,937'.

**Operations Next Report Period**
Drilling

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Paul Roberts | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilled 8-1/2" Hole from 10,104' to 10,317', WOB 0-22K, RPM 35, 427 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.7 | 10,104.0 | 10,317.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilled 8-1/2" Hole from 10,317' to 10,528', WOB 0-22K, RPM 35, 427 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.7 BOP Drill. Men at Stations 55 Seconds. | 10,317.0 | 10,528.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilled 8-1/2" Hole from 10,528' to 10,696', WOB 0-22K, RPM 35, 420 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.7 - 14.8 BOP Drill. Men at Stations 73 Seconds. | 10,528.0 | 10,696.0 |
| 00:00 | 6.00 | 24.00 | 2 | Drilled 8-1/2" Hole from 10,696' to 10,937', WOB 0-22K, RPM 35, 420 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.8 - 14.9, ECD=15.7ppg EMW | 10,696.0 | 10,937.0 |

## Mud Check: <depth>ftKB, 4/29/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/29/2014 | | 14.80 | 53 | 28.0 | 22.000 | 13.000 | 17.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 36,938.000 | | | | 31.5 | | 86.9/13.1 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 4.0 | | | | |

## Mud Check: 10,426.0ftKB, 4/29/2014 14:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/29/2014 | 10,426.0 | 14.75 | 52 | 28.0 | 19.000 | 14.000 | 17.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 37,000.000 | | | | 31.0 | | 87/13 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 28.0 | | | | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,667.0 | 11,961.0 | 4,294.00 | 4/26/2014 18:25 | 5/1/2014 06:00 | 94.62 | 45.4 | 60.53 | 34.09 | 36.03 | 63.97 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |



**Report Printed: 5/7/2014**

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# Daily Drilling - Paradox Executive Daily No Cost

**Report for: 5/1/2014**
**Report #: 24, DFS: 19.90**
**Daily Depth Progress: 1,024.00**

# Well Name: Cane Creek 36-1-25-18

| API/UWI | Excaliber ID | Well Area | Basin | Regulatory Field Name | Well Configuration Type |
|---|---|---|---|---|---|
| 43-019-50038 | 74*31448 | Paradox | Paradox Basin | Cane Creek | Horizontal |

| County | State/Province | Graded Ground Elevation (ft) | KB-Ground Distance (ft) | Spud Date | Rig Release Date |
|---|---|---|---|---|---|
| Grand | UT | 5,553.00 | -5,530.00 | 3/29/2014 07:00 | |

| Operator | Surface Legal Location |
|---|---|
| Fidelity E&P | |

| Rig | Company Man\Well Site Lead | Rig Email Address | Rig Phone Number | Rig Release Previous Well | Rig Release Date |
|---|---|---|---|---|---|
| Nabors Drilling M40 | Paul Roberts | naborsm40@fidelityepco.com | (970) 986-4401 | 4/7/2014 06:00 | 5/7/2014 06:00 |

| Drilling Hours (hr) | Circulating Hours (hr) | Job ROP (ft/hr) | Job ROP Rotating (ft/hr) | Job ROP Sliding (ft/hr) | Job Rotating % (%) | Total Job Percent Sliding (%) |
|---|---|---|---|---|---|---|
| 238.88 | 16.67 | 49.6 | 63.3 | 17.9 | 69.82 | 30.18 |

| Target Depth (ftKB) | Kick Off Date | Kick Off Depth (ftKB) | Kick Off Depth (TVD) (ftKB) |
|---|---|---|---|
| 11,998.0 | 4/23/2014 | 6,800.0 | 6,796.9 |

## Daily Operations

| Report Start Date | Report End Date | Days From Spud (days) | Start Depth (ftKB) | End Depth (ftKB) | Daily Depth Progress (ft) |
|---|---|---|---|---|---|
| 4/30/2014 06:00 | 5/1/2014 06:00 | 19.90 | 10,937.0 | 11,961.0 | 1,024.00 |

**Operations at Report Time**
Circulating 2 X Bottoms Up

**Operations Summary**
Drill 8-1/2" Lateral Section 10,937' to 11,961' TD for 7" Casing Point. Circulate 2 x Bottoms Up.

**Operations Next Report Period**
Trips

| Weather | Wellbore |
|---|---|
| Cloudy | Original Hole |

## Daily Contacts

| Job Contact | Position | Office |
|---|---|---|
| Paul Roberts | Company Man / WSL | (970) 986-4401 |
| Sam Loredo | Company Man / WSL | (970) 986-4401 |
| Delbert Sullivan | Company Man / WSL | (970) 986-4401 |

## Time Log

| Start Time | Dur (hr) | Cum Dur (hr) | Code 1 | Comment | Start Depth (ftKB) | End Depth (ftKB) |
|---|---|---|---|---|---|---|
| 06:00 | 6.00 | 6.00 | 2 | Drilled 8-1/2" Hole from 10,937' to 11,170', WOB 0-22K, RPM 35, 420 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.6 - 14.9 BOP Drill, Men at Stations in 56 Seconds. | 10,937.0 | 11,170.0 |
| 12:00 | 6.00 | 12.00 | 2 | Drilled 8-1/2" Hole from 11,170' to 11,454', WOB 0-22K, RPM 35, 420 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.6 | 11,170.0 | 11,454.0 |
| 18:00 | 6.00 | 18.00 | 2 | Drilled 8-1/2" Hole from 11,454' to 11,756', WOB 0-22K, RPM 35, 420 GPM, SPP 3950 psi. BG 20-40 Units. Mud Wt 14.6 | 11,454.0 | 11,756.0 |
| 00:00 | 4.50 | 22.50 | 2 | Drilled 8-1/2" Hole from 11,756' to 11,961' TD for 7" Casing Point, WOB 0-25K, RPM 35, 405 GPM, SPP 4050 psi. BG 20-40 Units. Mud Wt 14.6 | 11,756.0 | 11,961.0 |
| 04:30 | 1.50 | 24.00 | 5 | Circulate hole clean. BOP Drill, Men at Stations in 49 Seconds. | 11,961.0 | 11,961.0 |

## Mud Check: 11,320.0ftKB, 4/30/2014 15:00

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/30/2014 | 11,320.0 | 14.55 | 54 | 30.0 | 17.000 | 13.000 | 17.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 34,000.000 | | | | 30.5 | | 87.1/12.9 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 25.0 | | | 118.0 | |

## Mud Check: <depth>ftKB, 4/30/2014 23:30

| Date | Depth (ftKB) | Density (lb/gal) | Vis (s/qt) | PV OR (Pa•s) | YP OR (lbf/1... | Gel (10s) (lbf... | Gel (10m) (lb... | Gel (30m) (lb... | Filtrate (mL/... | FC (1/32") | HTHP Filtrat... | HTHP FC (1... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/30/2014 | | 14.60 | 54 | 28.0 | 22.000 | 13.000 | 19.000 | | | | 2.0 | 2 |

| MBT (lb/bbl) | pH | Pm (mL/mL) | Pf (mL/mL) | Mf (mL/mL) | Chlorides (mg/L) | Calcium (mg/L) | Pot (mg/L) | Lime (lb/bbl) | Solids (%) | CaCl (ppm) | Oil Water Ratio |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 44,871.000 | | | | 31.0 | | 87/13 |

| Mud Lost (Hole) (bbl) | Mud Lost (Surf) (bbl) | LCM | ECD - Manual Entr... | T Flowline (°F) | Comment |
|---|---|---|---|---|---|
| | 20.0 | | | 118.0 | |

## Daily Drilling Performance

| Depth In (ftKB) | Depth Out (ft... | Drilled (ft) | Date In | Date Out | Drill Time (hr) | BHA ROP (ft/hr) | Rot Time (hr) | Slide Time (hr) | % Slide Time... | % Rot Time (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,667.0 | 11,961.0 | 4,294.00 | 4/26/2014 18:25 | 5/1/2014 06:00 | 94.62 | 45.4 | 60.53 | 34.09 | 36.03 | 63.97 |

## Casing & Liners

| Run Date | Csg Des | Set Depth (ftKB) | Top (ftKB) | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | OD Nom Max (in) | ID Nom Min (in) |
|---|---|---|---|---|---|---|---|---|---|
| 3/29/2014 | Conductor | 110.0 | 0.0 | 20 | 18.730 | 133.00 | J-55 | 20 | 18.73 |
| 4/13/2014 | Surface | 1,195.0 | 26.1 | 13 3/8 | 12.615 | 54.50 | J-55 | 13 3/8 | 12.615 |
| 4/19/2014 | Intermediate | 4,561.0 | 24.7 | 9 5/8 | 8.681 | 47.00 | P-110 | 9.863 | 8.681 |
| 5/3/2014 | Production | 11,954.1 | 26.5 | 7 | 6.184 | 29.00 | P-110 | 7 | 6.094 |

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1801 California St. Ste 2500 , Denver, CO, 80202

**PHONE NUMBER:** 713 351-1968 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☑ SUBSEQUENT REPORT<br>Date of Work Completion:<br>5/5/2014 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☑ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Cane Creek Unit 32-1-25-19 had first production on May 5, 2014. 181 BO

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 23, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 5/22/2014 |

RECEIVED: May. 22, 2014

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: CANE CREEK

1. TYPE OF WELL: Oil Well

8. WELL NAME and NUMBER: Cane Creek Unit 32-1-25-19

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500370000

3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202
PHONE NUMBER: 713 351-1968 Ext

9. FIELD and POOL or WILDCAT: CANE CREEK

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1114 FSL 0858 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

COUNTY: GRAND

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT Date of Work Completion: 5/5/2014 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ✓ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Cane Creek Unit 32-1-25-19 had first production on May 5, 2014. 181 BO

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| SIGNATURE: N/A | | DATE: 5/22/2014 |

RECEIVED: May. 22, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1801 California St. Ste 2500 , Denver, CO, 80202

**PHONE NUMBER:** 713 351-1968 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT<br>Date of Work Completion:<br>4/21/2014 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Casing cement and pressure |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Please see attachment.

**Accepted by the Utah Division of Oil, Gas and Mining**
June 05, 2014
**Date:**
**By:** Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 6/3/2014 |

RECEIVED: Jun. 03, 2014

Fidelity Exploration and Production Company

Well CCU 32-1-25-19

9 5/8" Casing Pressure Issue

June 2, 2014

This Sundry is to document the Fidelity well CCU 32-1-25-19 7" casing top of cement and casing pressure issue.

On 04/21/14 a casing bond log was run in the 7" casing and found the top of cement at 5750'. This is approximately 1300' deep of the 9 5/8" casing shoe. The 7" x 9 5/8" annulus pressure was then checked and found to have 520 psi pressure. The 9 5/8" casing valve was then connected to a choke manifold and it blew down to 0 psi pressure in two minutes (all gas). A gauge was then installed on the casing valve to monitor the 9 5/8" casing pressure.

On 04/22/14 Richard Bonham, Fidelity Completion Engineer, discuss this issue by phone with Dustin Doucet, Utah DOGM Petroleum Engineer. Mr Doucet agreed that because the communication appears to be low pressure and low rate that potential 7" casing remedial cement work is not required at this time and Fidelity could continue well completion operations. Additionally, Mr Doucet requested that Fidelity monitor the 9 5/8" casing pressure and if the pressure changes significantly from the current low pressure condition to contact the UDOGM to revisit this issue.

Below is a table recent daily 9 5/8" casing pressure readings. As shown, the 9 5/8" casing pressure has been in the 275 to 600 psi range. Fidelity will continue to monitor and record daily 9 5/8" casing pressure and will notify the UDOGM if this pressure trend changes significantly.

RECEIVED: Jun. 03, 2014

| Date | 9 5/8" CP, psi | Comment |
|---|---|---|
| 04/21/14 | 520 | Csg pressure blew down in 2 minutes (all gas) |
| 04/22/14 | 340 | |
| 04/23/14 | 275 | |
| 04/24/14 | 365 | |
| 04/25/14 | 400 | |
| 04/26/14 | 420 | |
| 04/27/14 | 475 | |
| 04/28/14 | 450 | |
| 04/29/14 | 450 | |
| 04/30/14 | | |
| 05/01/14 | | |
| 05/02/14 | | |
| 05/03/14 | | |
| 05/04/14 | | |
| 05/05/14 | 400 | |
| 05/06/14 | 450 | |
| 05/07/14 | 450 | |
| 05/08/14 | 450 | |
| 05/09/14 | 450 | |
| 05/10/14 | 450 | |
| 05/11/14 | 450 | |
| 05/12/14 | 450 | |
| 05/13/14 | 450 | |
| 05/14/14 | 450 | |
| 05/15/14 | 450 | |
| 05/16/14 | 450 | |
| 05/17/14 | 450 | |
| 05/18/14 | 450 | |
| 05/19/14 | | |
| 05/20/14 | 450 | |
| 05/21/14 | 450 | |
| 05/22/14 | | |
| 05/23/14 | 450 | |
| 05/24/14 | 450 | |
| 05/25/14 | 450 | |
| 05/26/14 | 475 | |
| 05/27/14 | 500 | |
| 05/28/14 | 550 | |
| 05/29/14 | 600 | |
| 05/30/14 | 600 | |
| 05/31/14 | 395 | |
| 06/01/14 | 395 | |

RECEIVED: Jun. 03, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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**9. API NUMBER:** 43019500370000

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**PHONE NUMBER:** 713 351-1968 Ext

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**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 7/18/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Install artificial lift |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Fidelity is submitting notice of our intent to install an artificial lift system on the Cane Creek Unit 32-1-25-19. Fidelity would like to install a conventional beam pumping unit system. Fidelity is in the process of evaluating the effectiveness of recent hydraulic rod lift installations. Preliminary learnings are showing that high maintenance requirements on some units are causing well downtime, and may not be a suitable long term lift method. The conventional pumping unit system has a low visual impact of 21 ft at the walking beam. Fidelity has committed to limiting the visual and noise impact of all artificial lift systems in the Paradox field.

Approved by the Utah Division of Oil, Gas and Mining
July 31, 2014
Date:
By: Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 7/14/2014 |

RECEIVED: Jul. 14, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

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**9. API NUMBER:** 43019500370000

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**PHONE NUMBER:** 713 351-1968 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
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**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 10/10/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Perforation Breakdown |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Cane Creek Unit 32-1-25-19 Perforation Breakdown Procedure 1.MIRU workover rig. Pull and L/D TCP gun system. 2.Run 7" bit and scraper to TD. 3.NU full open 7 1/16" dual master valves. 4.MIRU coil tubing unit with straddle tool. RIH and breakdown existing perforations selectively from 7800' to 11,925' with native crude oil on 25' to 50' breakdown intervals. RDMO coil tubing unit. 5.MU and run 2 7/8" production tubing and BHA with provisions for artificial lift. NU and test tree. RDMO workover rig. 6.Evaluate well response and flow test / swab test well. Install artificial lift if well flow is inadequately.

Approved by the Utah Division of Oil, Gas and Mining
September 09, 2014
Date:
By: Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 9/4/2014 |

RECEIVED: Sep. 04, 2014

# CCU 32-1-25-19 As-Built Completion Wellbore Diagram - 05/02/14

FIDELITY Exploration & Production Company
An MDU Resources Group company

| | | | |
|---|---|---|---|
| **WELL NAME:** | Cane Creek Unit 32-1-25-19 | **SECTION, TOWNSHIP, RANGE:** | SWSW 32 25S 19E |
| **FIELD:** | Cane Creek | **SHL:** | 858' FWL, 1114' FSL |
| **LOCATION:** | Grand County, UT | **SURFACE LAT (NAD27):** | 38 deg 34' 56.71 NAD 27 |
| **API#:** | 43-019-50037 | **SURFACE LONG (NAD27):** | 109 deg 51' 10.45 NAD 27 |
| **AFE NUMBER:** | 130187 | **KB:** | 5686' (23' KB) |
| **SPUD DATE:** | 02/12/2014 | **GL:** | 5663 |
| **REVISION DATE:** | 05/09/2014 | **UPDATED BY:** | RAB |

**BHL:** 861' FNL, 897' FEL

| PIPE | Size | Grade | Weight | CONN | OD (") | ID (") | Drift Dia (") | Burst | Collapse | TOC (') | TOP (') | BTM (') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Conductor | 20 | | | | | | | | | | | |
| Surf Csg | 13 3/8" | J-55 | 54.5 | BTC | 13.373 | 12.615 | 12.459 | 2,730 | 1,130 | Surface | 26.5 | 1,201 |
| Inter Csg | 9 5/8" | HCP 110 | 47.0 | BTC | 9.625 | 8.681 | 8.525 | 9,440 | 5,310 | Surface | 25.7 | 4,459 |
| Prod Csg | 7" | HCP 110 | 29.0 | BTC | 7.000 | 6.184 | 6.059 | 12,220 | 8,530 | | 26.5 | 4,393 |
| Prod Csg | 7" | HCP 110 | 32.0 | BTC | 7.000 | 6.094 | 5.969 | 12,460 | 10,760 | | 4393 | 8,136 |
| Prod Csg | 7" | HCP 110 | 29.0 | BTC | 7.000 | 6.184 | 6.059 | 12,220 | 8,530 | | 8,136 | 12,019 |
| | | | | | | | | | | | | |

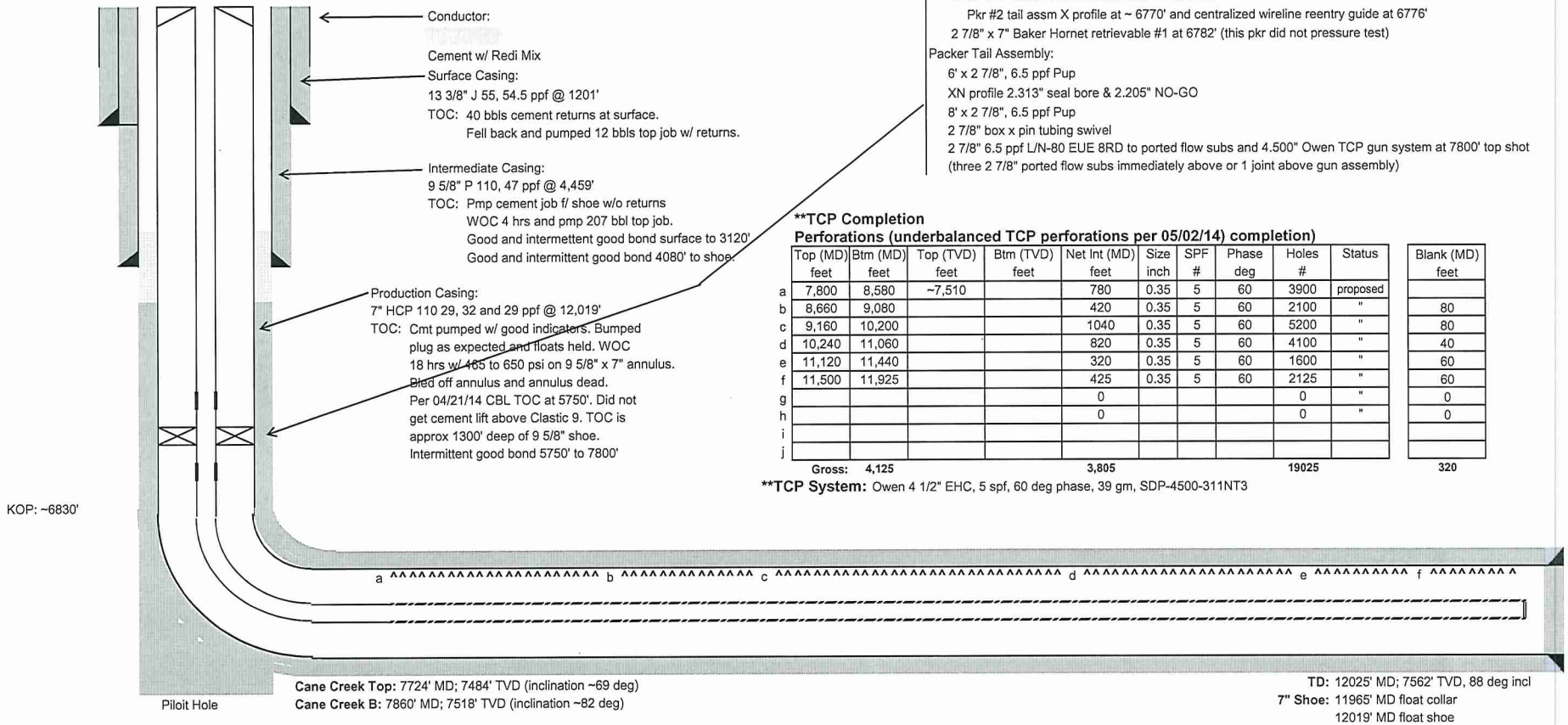
**Current Status:** Drilling rig release 04/07/2014. 7" RBP kill plug (wireline set) is in well at 6641'.
Completion RU 04/14/14; Fired guns 05/02/14; Turn well over to production est 05/12/14

**Production Equipment**

Production Tubing:
- 2 7/8" 6.5 ppf L/N-80 EUE 8RD tubing (w/ space out pups 1 jnt below tbg hanger) from surface
- 2 7/8" side pocket mandrel w/ dummy valve at 5000'
- 2 7/8" 6.5 ppf L/N-80 EUE 8RD tubing
- X profile 2.313" seal bore at ~ 6682'
- 1 joint 2 7/8" 6.5 ppf L/N-80 EUE 8RD
- 4' x 2 7/8" ported chemical injection sub w/ 3/8" capillary tubing to surface
- 6' x 2 7/8", 6.5 ppf Pup
- L-10 on-off connector skirt w/ internal X profile (2.313" seal bore)

Production Packers:
- 2 7/8" x 7" Baker Hornet retrievable #2 at 6725'
  - Pkr #2 tail assm X profile at ~ 6770' and centralized wireline reentry guide at 6776'
- 2 7/8" x 7" Baker Hornet retrievable #1 at 6782' (this pkr did not pressure test)

Packer Tail Assembly:
- 6' x 2 7/8", 6.5 ppf Pup
- XN profile 2.313" seal bore & 2.205" NO-GO
- 8' x 2 7/8", 6.5 ppf Pup
- 2 7/8" box x pin tubing swivel
- 2 7/8" 6.5 ppf L/N-80 EUE 8RD to ported flow subs and 4.500" Owen TCP gun system at 7800' top shot (three 2 7/8" ported flow subs immediately above or 1 joint above gun assembly)




****TCP Completion**
**Perforations (underbalanced TCP perforations per 05/02/14) completion)**

| | Top (MD) feet | Btm (MD) feet | Top (TVD) feet | Btm (TVD) feet | Net Int (MD) feet | Size inch | SPF # | Phase deg | Holes # | Status | Blank (MD) feet |
|---|---|---|---|---|---|---|---|---|---|---|---|
| a | 7,800 | 8,580 | ~7,510 | | 780 | 0.35 | 5 | 60 | 3900 | proposed | |
| b | 8,660 | 9,080 | | | 420 | 0.35 | 5 | 60 | 2100 | " | 80 |
| c | 9,160 | 10,200 | | | 1040 | 0.35 | 5 | 60 | 5200 | " | 80 |
| d | 10,240 | 11,060 | | | 820 | 0.35 | 5 | 60 | 4100 | " | 40 |
| e | 11,120 | 11,440 | | | 320 | 0.35 | 5 | 60 | 1600 | " | 60 |
| f | 11,500 | 11,925 | | | 425 | 0.35 | 5 | 60 | 2125 | " | 60 |
| g | | | | | 0 | | | | 0 | " | 0 |
| h | | | | | 0 | | | | 0 | " | 0 |
| i | | | | | | | | | | | |
| j | | | | | | | | | | | |
| | **Gross:** | **4,125** | | | **3,805** | | | | **19025** | | **320** |

****TCP System:** Owen 4 1/2" EHC, 5 spf, 60 deg phase, 39 gm, SDP-4500-311NT3

**Cane Creek Top:** 7724' MD; 7484' TVD (inclination ~69 deg)
**Cane Creek B:** 7860' MD; 7518' TVD (inclination ~82 deg)

**TD:** 12025' MD; 7562' TVD, 88 deg incl
**7" Shoe:** 11965' MD float collar
12019' MD float shoe

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43565

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: Cane Creek

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Cane Creek Unit 32-1-25-19

2. NAME OF OPERATOR: Fidelity Exploration and Production Co

9. API NUMBER: 4301950037

3. ADDRESS OF OPERATOR: 1801 California St. Ste 2[illegible] CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 893-3133

10 FIELD AND POOL, OR WILDCAT: Cane Creek

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 858 FWL 1114 FSL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 6576 FWL 1539 FSL
AT TOTAL DEPTH: 861 FNL 897 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 32 25S 19E S

12. COUNTY: Grand

13. STATE: UTAH

| 14. DATE SPUDDED: | 15. DATE T.D. REACHED: | 16. DATE COMPLETED: | | | 17. ELEVATIONS (DF, RKB, RT, GL): |
|---|---|---|---|---|---|
| 2/12/2014 | 4/4/2014 | 5/2/2014 | ABANDONED ☐ | READY TO PRODUCE ☑ | 5663 GL |

| 18. TOTAL DEPTH: MD 12,025 TVD 7,562 | 19. PLUG BACK T.D.: MD TVD | 20. IF MULTIPLE COMPLETIONS, HOW MANY? * | 21. DEPTH BRIDGE PLUG SET: MD TVD |
|---|---|---|---|

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

| HOLE SIZE | SIZE/GRADE | WEIGHT (#/ft.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|---|---|---|---|---|---|---|---|---|---|
| 26 | 20 | | 0 | 110 | | 15yds | | 0 | |
| 17 1/2 | 13 3/8 J55 | 54.5 | 0 | 1,201 | | B 935 | 428 | 0 | |
| 12 1/4 | 9 5/8 HCP | 47 | 0 | 4,459 | | B 740 | 276 | 0 | |
| 8 1/2 | 7 HCP | 29 | 0 | 4,393 | | | | | |
| 8 1/2 | 7 HCP | 32 | 4,393 | 8,136 | | | | | |
| 8/12 | 7 HCP | 29 | 8,136 | 12,019 | | B 930 | 266 | 5750 | |

25. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) |
|---|---|---|---|---|
| (A) Cane Creek | 7,800 | 11,925 | | |
| (B) | | | | |
| (C) | | | | |
| (D) | | | | |

27. PERFORATION RECORD

| INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|---|---|---|---|
| 7,800 8,580 | .35 | 3,900 | Open ☑ Squeezed ☐ |
| 8,660 9,080 | .35 | 2,100 | Open ☑ Squeezed ☐ |
| 9,160 10,200 | .35 | 5,200 | Open ☑ Squeezed ☐ |
| 10,240 11,060 | .35 | 4,100 | Open ☑ Squeezed ☐ |

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☐ NO ☑ IF YES – DATE FRACTURED:

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|---|---|
| | |
| | |
| | |

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

(5/2013)

(CONTINUED ON BACK)

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in item #26)**

| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
|---|---|---|---|---|---|---|---|
| 5/5/2014 | 5/5/2014 | 24 | | 181 | 182 | | Flowing |

| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |
|---|---|---|---|---|---|---|---|---|---|---|
| 4/64 | 852 | 552 | | | | | | | | |

**INTERVAL B (As shown in item #26)**

| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

**INTERVAL C (As shown in item #26)**

| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

**INTERVAL D (As shown in item #26)**

| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**

Vented

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|---|---|---|---|---|---|
| Clastic 12 | 6,007 | 6,059 | | Moenkopi | 1,403 |
| Clastic 18 | 7,128 | 7,194 | | Cutler | 1,822 |
| Cane Creek | 7,475 | 7,582 | | Honaker Trail | 3,017 |
| | | | | Paradox | 4,077 |

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) Sandi Stocker TITLE Engineering Tech

SIGNATURE Sandi Stocker DATE 8/20/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

Completion Report (continued)

| No. 27 - Perforation Record | Interval | | | | |
|---|---|---|---|---|---|
| | Top MD | Bottom MD | Size | No. Holes | Perforation Status |
| Continued | 11120 | 11440 | 0.35 | 4100 | Open |
| | 11500 | 11925 | 0.35 | 2125 | Open |

RECEIVED: Aug. 20, 2014

Jeff Milburn
1285 Derrick Dr.
Casper, WY 82604
Tel. (307) 265-3145
Fax (307) 265-3150

PATHFINDER®
A Schlumberger Company

# Fidelity Exploration

# Cane Creek Unit 32-1-25-19 OWB

# Grand County, UT

**Prepared by: Jeff Milburn**

RECEIVED: Aug. 20, 2014

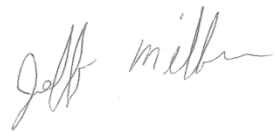
PATHFINDER
A Schlumberger Company
1285 Derrick Dr.
Casper, WY 82604
(307) 265-3145

# Directional Survey Certification Form

| | | |
|---|---|---|
| **Fidelity Exploration** | **Cane Creek Unit 32-1-25-19 OWB** | **June 12, 2014** |
| Company | Well Name | Final Report Date |
| **14FMG0032** | **Grand County, UT** | **43-019-50037** |
| Job Number | County, State | API Number |
| **N 38° 34' 56.71"** | **W 109° 51' 10.45"** | **Sec. 032-T025S-R19E** |
| Surface Latitude | Surface Longitude | Sec. - TWP - Range |
| **NAD 27** | **NABORS M40** | **23'** |
| Geodetic Datum | Rig Contractor / Name | RKB Height |

| | | | |
|---|---|---|---|
| Type of Surveys | **Measurements While Drilling (MWD)** | | |
| Survey Depths (Measured Depth) | **4418'** | to | **7672'** |
| Survey Dates | **03/12/14** | to | **03/14/14** |
| Persons Performing Surveys | **Seth Linaman**<br>**Robert Gutshall** | | |

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Pathfinder Energy Services.
I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using the minimum curvature method.



Jeff Milburn
Engineer In Charge

**June 12, 2014**
Date

RECEIVED: Aug. 20, 2014

# PathFinder – a Schlumberger company
# BHL Report


Tie-in Date: 03/12/2014
Date Completed: 03/14/2014

FIDELITY EXPLORATION AND PRODUCTION
CCU 32-1-25-19 OWB
GRAND COUNTY, UT
API#: 43-019-50037 Rig: NABORS M40
PathFinder Office Supervisor: Daniel Harwell
PathFinder Field Engineers:Robert Gutshall
Seth Linaman

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:38.34.56.7099 N LON:109.51.10.4505 W
GRID Reference:NAD27 utah central Lambert
Ref GRID Coor: X: 2470904.3000 Y: 95065.4000
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.75° EAST TO TRUE
Vertical Section Plane: 47.12
Survey Vert. Reference: 23.00' Rotary Table To Ground
Altitude:5662.00' Ground To MSL

| | | |
|---|---|---|
| Measured Depth | 7672.00 | (feet) |
| Inclination | 3.52 | (deg) |
| Azimuth | 200.71 | (deg) |
| True Vertical Depth | 7669.88 | (feet) |
| Vertical Section | -38.70 | (feet) |
| Survey X cord | 2470896.16 | (feet) |
| Survey Y cord | 95017.29 | (feet) |
| Survey Lat | 38.58228776 N | (deg) |
| Survey Lon | 109.85293447 W | (deg) |
| Rectangular Corr. N/S | 48.11 S | (feet) |
| Rectangular Corr. E/W | 8.14 W | (feet) |
| Closure Distance | 48.79 | (feet) |
| Direction of Closure | 189.60 | (deg) |
| Dogleg Severity | 0.00 | (deg/100ft) |

RECEIVED: Aug. 20, 2014

# PathFinder – a Schlumberger company
# Survey Report

Tie-in Date: 03/12/2014
Date Completed: 03/14/2014

FIDELITY EXPLORATION AND PRODUCTION
CCU 32-1-25-19 OWB
GRAND COUNTY, UT
API#: 43-019-50037 Rig: NABORS M40
PathFinder Office Supervisor: Daniel Harwell
PathFinder Field Engineers: Robert Gutshall
Seth Linaman

Survey Calculations by RX5 V6.05A using Minimum Curvature

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:38.34.56.7099 N LON:109.51.10.4505 W
GRID Reference:NAD27 utah central Lambert
Ref GRID Coor: X: 2470904.3000 Y: 95065.4000
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.75° EAST TO TRUE
Vertical Section Plane: 47.12
Survey Vert. Reference: 23.00' Rotary Table To Ground
Altitude:5662.00' Ground To MSL

| Measured Depth (ft) | Incl (deg) | Drift Dir. (deg) | TVD (ft) | Course Length (ft) | Vertical Section (ft) | TOTAL Rectangular Offsets (ft) | (ft) | Survey Latitude (deg) | Survey Longitude (deg) | Closure Dist (ft) | Dir (deg) | DLS (dg/100ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TIED INTO NATIVE NAVIGATION MULTI-SHOT SURVEY AT 4418'MD. | | | | | | | | | | | | |
| 4418.00 | 0.41 | 89.92 | 4417.94 | 18.00 | -7.66 | 7.32 S | 3.66 W | 38.58239950 N | 109.85291619 W | 8.18@ | 206.57 | 0.45 |
| THE FOLLOWING ARE PATHFINDER MWD SURVEYS. | | | | | | | | | | | | |
| 4514.00 | 0.97 | 68.38 | 4513.93 | 96.00 | -6.65 | 7.02 S | 2.56 W | 38.58240026 N | 109.85291233 W | 7.47@ | 200.04 | 0.63 |
| 4610.00 | 1.17 | 50.63 | 4609.92 | 96.00 | -4.92 | 6.10 S | 1.05 W | 38.58240271 N | 109.85290698 W | 6.19@ | 189.75 | 0.40 |
| 4706.00 | 1.58 | 42.14 | 4705.89 | 96.00 | -2.62 | 4.50 S | 0.60 E | 38.58240703 N | 109.85290112 W | 4.54@ | 172.43 | 0.48 |
| 4802.00 | 2.64 | 30.90 | 4801.82 | 96.00 | 0.82 | 1.62 S | 2.62 E | 38.58241483 N | 109.85289386 W | 3.08@ | 121.68 | 1.18 |
| 4897.00 | 2.05 | 22.60 | 4896.74 | 95.00 | 4.47 | 1.83 N | 4.40 E | 38.58242420 N | 109.85288743 W | 4.76@ | 67.42 | 0.71 |
| 4993.00 | 2.99 | 23.47 | 4992.65 | 96.00 | 8.32 | 5.71 N | 6.05 E | 38.58243477 N | 109.85288138 W | 8.32@ | 46.68 | 0.98 |
| 5089.00 | 2.37 | 37.23 | 5088.54 | 96.00 | 12.57 | 9.59 N | 8.25 E | 38.58244530 N | 109.85287344 W | 12.65@ | 40.72 | 0.93 |
| 5185.00 | 1.76 | 57.07 | 5184.48 | 96.00 | 15.98 | 11.97 N | 10.69 E | 38.58245172 N | 109.85286476 W | 16.05@ | 41.77 | 0.97 |
| 5281.00 | 2.02 | 52.74 | 5280.43 | 96.00 | 19.12 | 13.80 N | 13.28 E | 38.58245660 N | 109.85285561 W | 19.15@ | 43.90 | 0.31 |
| 5375.00 | 0.97 | 52.60 | 5374.40 | 94.00 | 21.56 | 15.28 N | 15.23 E | 38.58246058 N | 109.85284869 W | 21.57@ | 44.90 | 1.12 |
| 5471.00 | 0.35 | 74.22 | 5470.39 | 96.00 | 22.63 | 15.85 N | 16.15 E | 38.58246211 N | 109.85284541 W | 22.63@ | 45.53 | 0.68 |
| 5567.00 | 0.70 | 97.20 | 5566.39 | 96.00 | 23.26 | 15.86 N | 17.02 E | 38.58246208 N | 109.85284239 W | 23.26@ | 47.01 | 0.42 |
| 5663.00 | 0.79 | 119.70 | 5662.38 | 96.00 | 23.84 | 15.46 N | 18.17 E | 38.58246092 N | 109.85283837 W | 23.86@ | 49.61 | 0.32 |
| 5759.00 | 0.97 | 149.61 | 5758.37 | 96.00 | 23.86 | 14.43 N | 19.16 E | 38.58245805 N | 109.85283499 W | 23.99@ | 53.01 | 0.51 |
| 5854.00 | 1.49 | 154.71 | 5853.35 | 95.00 | 23.31 | 12.62 N | 20.09 E | 38.58245303 N | 109.85283184 W | 23.73@ | 57.87 | 0.56 |
| 5950.00 | 0.53 | 172.08 | 5949.33 | 96.00 | 22.68 | 11.05 N | 20.69 E | 38.58244870 N | 109.85282986 W | 23.46@ | 61.89 | 1.04 |
| 6046.00 | 0.62 | 204.09 | 6045.32 | 96.00 | 21.95 | 10.14 N | 20.54 E | 38.58244619 N | 109.85283045 W | 22.90@ | 63.73 | 0.34 |
| 6142.00 | 1.23 | 195.44 | 6141.31 | 96.00 | 20.59 | 8.67 N | 20.05 E | 38.58244219 N | 109.85283224 W | 21.85@ | 66.62 | 0.65 |
| 6239.00 | 1.49 | 207.37 | 6238.28 | 97.00 | 18.52 | 6.55 N | 19.19 E | 38.58243641 N | 109.85283538 W | 20.28@ | 71.17 | 0.39 |
| 6334.00 | 2.46 | 221.43 | 6333.23 | 95.00 | 15.33 | 3.92 N | 17.28 E | 38.58242930 N | 109.85284225 W | 17.72@ | 77.21 | 1.13 |
| 6430.00 | 2.11 | 223.06 | 6429.15 | 96.00 | 11.52 | 1.09 N | 14.71 E | 38.58242164 N | 109.85285142 W | 14.75@ | 85.78 | 0.37 |
| 6526.00 | 1.49 | 207.52 | 6525.10 | 96.00 | 8.58 | 1.31 S | 12.92 E | 38.58241515 N | 109.85285781 W | 12.99@ | 95.80 | 0.82 |
| 6622.00 | 1.58 | 207.07 | 6621.07 | 96.00 | 6.16 | 3.60 S | 11.75 E | 38.58240893 N | 109.85286208 W | 12.28@ | 107.03 | 0.09 |

RECEIVED: Aug. 20, 2014

# PathFinder – a Schlumberger company
# Survey Report

**FIDELITY EXPLORATION AND PRODUCTION**
**CCU 32-1-25-19 OWB**
**GRAND COUNTY, UT**
**API#: 43-019-50037** **Rig: NABORS M40**



| Measured Depth (ft) | Incl (deg) | Drift Dir. (deg) | TVD (ft) | Course Length (ft) | Vertical Section (ft) | TOTAL Rectangular Offsets (ft) | (ft) | Survey Latitude (deg) | Survey Longitude (deg) | Closure Dist (ft) | Dir (deg) | DLS (dg/100ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6718.00 | 1.85 | 205.68 | 6717.03 | 96.00 | 3.47 | 6.17 S | 10.47 E | 38.58240193 N | 109.85286670 W | 12.16@ | 120.52 | 0.28 |
| 6814.00 | 2.29 | 207.08 | 6812.96 | 96.00 | 0.23 | 9.28 S | 8.93 E | 38.58239349 N | 109.85287230 W | 12.87@ | 136.10 | 0.46 |
| 6910.00 | 2.73 | 212.68 | 6908.87 | 96.00 | -3.79 | 12.91 S | 6.82 E | 38.58238362 N | 109.85287991 W | 14.60@ | 152.15 | 0.52 |
| 7005.00 | 2.20 | 208.23 | 7003.78 | 95.00 | -7.70 | 16.42 S | 4.74 E | 38.58237409 N | 109.85288742 W | 17.09@ | 163.91 | 0.59 |
| 7101.00 | 2.29 | 203.33 | 7099.71 | 96.00 | -11.20 | 19.80 S | 3.10 E | 38.58236488 N | 109.85289334 W | 20.05@ | 171.09 | 0.22 |
| 7197.00 | 2.55 | 199.46 | 7195.62 | 96.00 | -14.85 | 23.58 S | 1.63 E | 38.58235460 N | 109.85289873 W | 23.64@ | 176.04 | 0.32 |
| 7293.00 | 2.90 | 201.09 | 7291.52 | 96.00 | -18.92 | 27.86 S | 0.05 E | 38.58234293 N | 109.85290455 W | 27.86@ | 179.90 | 0.37 |
| 7389.00 | 3.17 | 201.34 | 7387.38 | 96.00 | -23.49 | 32.60 S | 1.79 W | 38.58233002 N | 109.85291129 W | 32.65@ | 183.15 | 0.28 |
| 7485.00 | 3.43 | 204.44 | 7483.22 | 96.00 | -28.53 | 37.68 S | 3.95 W | 38.58231616 N | 109.85291915 W | 37.89@ | 185.98 | 0.33 |
| 7581.00 | 3.38 | 201.35 | 7579.05 | 96.00 | -33.73 | 42.93 S | 6.16 W | 38.58230186 N | 109.85292724 W | 43.37@ | 188.17 | 0.20 |
| 7622.00 | 3.52 | 200.71 | 7619.98 | 41.00 | -35.95 | 45.24 S | 7.05 W | 38.58229559 N | 109.85293049 W | 45.78@ | 188.86 | 0.35 |
| STRAIGHT LINE PROJECTION TO BIT DEPTH AT 7672'MD. | | | | | | | | | | | | |
| 7672.00 | 3.52 | 200.71 | 7669.88 | 50.00 | -38.70 | 48.11 S | 8.14 W | 38.58228776 N | 109.85293447 W | 48.79@ | 189.60 | 0.00 |

RECEIVED: Aug. 20, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1801 California St. Ste 2500 , Denver, CO, 80202

**PHONE NUMBER:** 713 351-1968 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 10/15/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Recomplete |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Fidelity E&P requests permission to recomplete the referenced by following these procedures: 1. MIRU workover rig. 2. Pull and L/D tubing and perforating guns. 3. RIH with motor and mill in 7" casing to well TD. 4. RIH with 4 ½" inner liner casing and swell packers. 5. Circulate lease oil behind swell packers. 6. RDMO workover rig. 7. MIRU pumping equipment and flowback equipment. 8. Pump native lease crude with gelling agent, crosslinker, breaker, and proppant. 9. RDMO pumping equipment. 10. Flowback well.

Approved by the
Utah Division of
Oil, Gas and Mining
October 14, 2014
Date:
By: Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |

| SIGNATURE | DATE |
|---|---|
| N/A | 9/25/2014 |

Cane Creek Unit 32-1-25-19
To clarify:
We want to run a 4-1/2” liner inside the already perforated 7” casing. The liner will come back to around 6929’ where we will have a liner hanger and packer. We will then run a 4-1/2” tie-back string from surface into the liner top. The 4-1/2” liner will have 6 ball activated sliding sleeves that will have swell packers straddling them on the outside of the 4-1/2” casing but inside the 7” existing perforated casing. We will pump the native lease crude with proppant down the 4-1/2” casing, out the ball activated sleeves and out of the already existing and perforated 7” casing. The total volume we would be pumping is around 4000 BBL. There is no known problems with the existing 7” casing other than it is perforated.

RECEIVED: Oct. 08, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1801 California St. Ste 2500 , Denver, CO, 80202

**PHONE NUMBER:** 713 351-1968 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 10/15/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Recomplete |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Fidelity E&P requests permission to recomplete the referenced well by following these procedures: 1. MIRU workover rig. 2. Pull and L/D tubing and perforating guns. 3. RIH with motor and mill 7" casing to well TD. 4. RIH with 4 1/2" inner liner casing and swell packers. 5. Circulate lease crude behind swell packers. 6. RDMO workover rig. 7. MIRU pumping equipment and flowback equipment. 8. Pump mineral oil with gelling agent, crosslinker, breaker, and proppant. 9. RDMO pumping equipment. 10. Flowback well.

Approved by the Utah Division of Oil, Gas and Mining
October 28, 2014
Date:
By: Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 10/15/2014 |

RECEIVED: Oct. 15, 2014

Cane Creek Unit 32-1-25-19
To clarify:
We want to run a 4-1/2” liner inside the already perforated 7” casing. The liner will come back to around 6929’ where we will have a liner hanger and packer. We will then run a 4-1/2” tie-back string from surface into the liner top. The 4-1/2” liner will have 6 ball activated sliding sleeves that will have swell packers straddling them on the outside of the 4-1/2” casing but inside the 7” existing perforated casing. We will pump mineral oil (CAS # 64742-55-8) with proppant down the 4-1/2” casing, out the ball activated sleeves and out of the already existing and perforated 7” casing. The total volume we would be pumping is around 4000 BBL. There are no known problems with the existing 7” casing other than it is perforated.

RECEIVED: Oct. 21, 2014

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1801 California St. Ste 2500 , Denver, CO, 80202

**PHONE NUMBER:** 713 351-1968 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☑ SUBSEQUENT REPORT<br>Date of Work Completion:<br>10/27/2014 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☑ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Produced water generated from this well is disposed of either at the Fidelity-operated Kane Springs 16-1 injection well or the commercial Danish Flats facility in Grand County, Utah.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
October 29, 2014

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Sandi Stocker | 720 931-9637 | Engineering Tech |
| **SIGNATURE** N/A | | **DATE** 10/27/2014 |

RECEIVED: Oct. 27, 2014

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-43565

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:** CANE CREEK

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** Cane Creek Unit 32-1-25-19

**2. NAME OF OPERATOR:** FIDELITY E&P COMPANY

**9. API NUMBER:** 43019500370000

**3. ADDRESS OF OPERATOR:** 1801 California St. Ste 2500 , Denver, CO, 80202

**PHONE NUMBER:** 720 917-3026 Ext

**9. FIELD and POOL or WILDCAT:** CANE CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1114 FSL 0858 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 32 Township: 25.0S Range: 19.0E Meridian: S

**COUNTY:** GRAND

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☑ SUBSEQUENT REPORT<br>Date of Work Completion:<br>11/19/2014 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☑ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

**Accepted by the**
**Utah Division of**
**Oil, Gas and Mining**
**FOR RECORD ONLY**
April 28, 2015

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Renee Kendrick | 720 956-5752 | Project Specialist |
| **SIGNATURE** N/A | | **DATE** 4/27/2015 |

RECEIVED: Apr. 27, 2015

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-43565
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: Cane Creek
8. WELL NAME and NUMBER: Cane Creek Unit 32-1-25-19
9. API NUMBER: 4301950037
10. FIELD AND POOL, OR WILDCAT: Cane Creek

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: Fidelity Exploration & Production Company
3. ADDRESS OF OPERATOR: 1801 California St., STE 250( CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (720) 956-5752
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 858' FWL 1114' FSL COUNTY: Grand
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 32 25S 19E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☑ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 11/19/2014 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Fidelity stimulated the CCU 32-1-25-19 on 11/19/2014 see details below:

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL | | |
|---|---|---|---|
| 10452' | Frac Oil (TX350) 384 bbls | 30/50 | Econoprop 15500 bbls |
| 10620' | Frac Oil (TX350) 257 bbls | 30/50 | Econoprop 13900 bbls |
| 10936' | Frac Oil (TX350) 210 bbls | 30/50 | Econoprop 8900 bbls |
| 11252' | Frac Oil (TX350) 197 bbls | 30/50 | Econoprop 10700 bbls |
| 11564' | Frac Oil (TX350) 430 bbls | 30/50 | Econoprop 10400 bbls |
| 11833' | Frac Oil (TX350) 434 bbls | 30/50 | Econoprop 7100 bbls |

NAME (PLEASE PRINT) Renee Kendrick TITLE Environmental Project Specialist
SIGNATURE Renee Kendrick DATE 4/27/2015

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101
http://www.blm.gov/ut/st/en.html

RECEIVED
AUG 24 2015
DIV. OF OIL, GAS & MINING

IN REPLY REFER TO:
3160 – UTU80000X
(UT922000)

AUG 20 2015

Wesley Adams
Fidelity E&P Company
1801 California Street, Suite 2500
Denver, Colorado 80202

Re: Non-Paying Well Determination
CCU 32-1-25-19 Well, Cane Creek Unit
Grand County, Utah

Dear Mr. Adams:

Pursuant to your request of July 23, 2015, it has been determined by this office that under existing conditions the following well is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement:

| API Number | Well Name | Surface Location | | | | | | | Comp. Date | Lease |
|---|---|---|---|---|---|---|---|---|---|---|
| 4301950037 | CCU 32-1-25-19 | SWSW | 32 | 25.0 | S | 19.0 | E | SLB&M | 5/2/2014 | State |

All past and future production from this well shall be handled and reported on a lease basis. If you have any questions, please contact Mickey Coulthard of this office at (801) 539-4042.

Sincerely,

Roger L Bankert

Roger L. Bankert
Chief, Branch of Minerals

bcc: FOM Moab (UTY01)
Cane Creek Unit File
ONRR
SITLA
Division of Oil, Gas and Mining
UT920 – Reading File
Agr. Sec. Chron.
Tickler (October 2015)

MCoulthard:mc:8-18-15

Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 3/1/2016

| FORMER OPERATOR: | NEW OPERATOR: |
|---|---|
| Fidelity E&P Company N3155<br>1801 Califorina Street, Suite 2500<br>Denver, CO 80202 | Wesco Operating, Inc. N4030<br>PO Box 1650<br>Casper, WY 82602 |
| CA Number(s): | Unit(s): Cane Creek<br>Threemile |

**WELL INFORMATION:**

| Well Name | Sec | TWN | RNG | API | Entity | Mineral | Surface | Type | Status |
|---|---|---|---|---|---|---|---|---|---|
| See Attached List | | | | | | | | | |

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 4/12/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 4/12/2016
3. New operator Division of Corporations Business Number: 8742016-0143

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 4/12/2016
2. Receipt of Acceptance of Drilling Procedures for APD on: 4/12/2016
3. Reports current for Production/Disposition & Sundries: 4/19/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 4/19/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 4/13/2016
6. Surface Facility(s) included in operator change: Blue Hills Gas Plant
   Dead House Lateral Pipeline
   Dubinky Booster Station
   Long Canyon Facility
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB0000685
2. Indian well(s) covered by Bond Number: N/A
3.State/fee well(s) covered by Bond Number(s): RLB0016443

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 4/21/2016✔
2. Entity Number(s) updated in **OGIS** on: 4/21/2016
3. Unit(s) operator number update in **OGIS** on: 4/21/2016
4. Surface Facilities update in **OGIS** on: 4/21/2016
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 4/21/2016
6. Surface Facilities update in **RBDMS** on: 4/21/2016

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

From: Fidelity Exploration Production Comany N3155
To: Wesco Operating, Inc. N4030
Effective: 3/1/2016

| Well Name | Section | TWN | RNG | API Numner | Entity | Mineral | Surface | Type | Status | Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| KANE SPRINGS 16-1 | 16 | 250S | 180E | 4301931341 | 11484 | State | State | WD | A | CANE CREEK |
| CANE CREEK UNIT 2-2-25-18 | 2 | 250S | 180E | 4301950044 | | State | State | OW | APD | CANE CREEK |
| Cane Creek Unit 25-1-25-19 | 25 | 250S | 190E | 4301950048 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 6-1-25-19 | 6 | 250S | 190E | 4301950052 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 29-1-25-19 | 29 | 250S | 190E | 4301950053 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek 10-1-25-19 | 10 | 250S | 190E | 4301950054 | | Federal | Federal | OW | APD | |
| Cane Creek Unit 30-1-25-19 | 30 | 250S | 190E | 4301950055 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 19-2-26-20 | 19 | 260S | 200E | 4301950056 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 14-1-25-19 | 14 | 250S | 190E | 4301950057 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 2-3-25-18 | 2 | 250S | 180E | 4301950058 | | Federal | State | OW | APD | CANE CREEK |
| Cane Creek Unit 16-3-25-18 | 16 | 250S | 180E | 4301950059 | | Federal | State | OW | APD | CANE CREEK |
| Cane Creek Unit 19-1-25-19 | 19 | 250S | 190E | 4301950060 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 32-2-25-19 | 32 | 250S | 190E | 4301950061 | | State | State | OW | APD | CANE CREEK |
| Cane Creek Unit 17-1-25-19 | 17 | 250S | 190E | 4301950062 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 16-4-25-18 | 16 | 250S | 180E | 4301950063 | | Federal | State | OW | APD | CANE CREEK |
| Cane Creek Unit 2-4-25-18 | 2 | 250S | 180E | 4301950064 | | Federal | State | OW | APD | CANE CREEK |
| Cane Creek Unit 5-1-25-18 | 5 | 250S | 180E | 4301950065 | | Federal | Federal | OW | APD | CANE CREEK |
| 8-2-26-20 | 8 | 260S | 200E | 4301950068 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 19-3-26-20 | 19 | 260S | 200E | 4301950069 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 21-1-25-19 | 21 | 250S | 190E | 4301950070 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 12-2-26-19 | 12 | 260S | 190E | 4301950071 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 26-4-25-19 | 26 | 250S | 190E | 4301950072 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 21-1-25-18 | 21 | 250S | 180E | 4301950073 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 9-1-25-18 | 9 | 250S | 180E | 4301950074 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 7-1-25-19 | 7 | 250S | 190E | 4301950075 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 5-2-25-18 | 5 | 250S | 180E | 4301950076 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 7-1-25-18 | 7 | 250S | 180E | 4301950077 | | Federal | Federal | OW | APD | CANE CREEK |
| Cane Creek Unit 13-1-25-18 | 13 | 250S | 180E | 4301950078 | | Federal | Federal | OW | APD | CANE CREEK |
| Three Mile Unti 12-3-29-21 | 12 | 290S | 210E | 4303750070 | | Federal | Federal | OW | APD | THREEMILE |
| Three Mile Unit 16-2-29-22 | 16 | 290S | 220E | 4303750071 | | Federal | State | OW | APD | THREEMILE |
| Cane Creek Unit 7-2-26-20 | 7 | 260S | 200E | 4301950051 | 19706 | Federal | Federal | OW | OPS | CANE CREEK |
| THREEMILE 16-17 | 16 | 290S | 220E | 4303750003 | 17984 | State | State | OW | OPS | THREEMILE |
| Three Mile Unit 12-2-29-21 | 12 | 290S | 210E | 4303750069 | 19646 | Federal | Federal | OW | OPS | THREEMILE |
| KANE SPRINGS FED 27-1 | 27 | 250S | 190E | 4301931310 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| KANE SPRINGS FED 19-1A | 19 | 260S | 200E | 4301931324 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| KANE SPRINGS FED 10-1 | 10 | 250S | 180E | 4301931331 | 14509 | Federal | Federal | OW | P | CANE CREEK |
| KANE SPRINGS FED 25-19-34-1 | 34 | 250S | 190E | 4301931334 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK 2-1 | 2 | 260S | 190E | 4301931396 | 14505 | State | State | OW | P | CANE CREEK |
| CANE CREEK UNIT 12-1 | 12 | 260S | 190E | 4301950009 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK UNIT 7-1 | 7 | 260S | 200E | 4301950010 | 18923 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK UNIT# 26-2 | 26 | 250S | 190E | 4301950011 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK UNIT #18-1 | 18 | 260S | 200E | 4301950012 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK U #13-1 | 13 | 260S | 190E | 4301950014 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK UNIT 26-3 | 26 | 250S | 190E | 4301950019 | 14505 | Federal | Federal | OW | P | CANE CREEK |
| CANE CREEK UNIT 28-2 | 28 | 250S | 190E | 4301950020 | 18681 | Federal | Federal | OW | P | |
| Cane Creek Unit 17-1 | 17 | 260S | 200E | 4301950028 | 18980 | Federal | Federal | OW | P | CANE CREEK |
| Cane Creek Unit 36-1 | 36 | 250S | 190E | 4301950030 | 14505 | State | State | OW | P | CANE CREEK |
| Cane Creek Unit 36-2H | 36 | 250S | 190E | 4301950033 | 14505 | State | State | OW | P | CANE CREEK |
| Cane Creek Unit 24-2H | 24 | 260S | 190E | 4301950034 | 19342 | Federal | Federal | OW | P | CANE CREEK |
| Cane Creek Unit 36-3H | 36 | 250S | 190E | 4301950035 | 19528 | State | State | OW | P | CANE CREEK |
| CANE CREEK UNIT 2-1-25-18 | 2 | 250S | 180E | 4301950036 | 19343 | Federal | State | OW | P | CANE CREEK |
| Cane Creek Unit 32-1-25-19 | 32 | 250S | 190E | 4301950037 | 19396 | State | State | OW | P | |
| Cane Creek Unit 28-3 | 28 | 250S | 190E | 4301950045 | 19767 | Federal | Federal | OW | P | CANE CREEK |
| Cane Creek 32-1-25-20 | 32 | 250S | 200E | 4301950049 | 19588 | State | State | OW | P | |
| HATCH POINT 1 | 14 | 290S | 210E | 4303731658 | 11356 | Federal | Federal | OW | P | |
| THREEMILE 43-18H | 18 | 290S | 220E | 4303731857 | 17276 | Federal | Federal | OW | P | |
| LONG CANYON 1 | 9 | 260S | 200E | 4301915925 | 674 | Federal | Federal | OW | S | |
| CANE CREEK 1-1 | 1 | 260S | 190E | 4301931446 | 14505 | Federal | Federal | OW | S | CANE CREEK |

From: Fidelity Exploration Production Comany N3155
To: Wesco Operating, Inc. N4030
Effective: 3/1/2016

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CANE CREEK 24-1 | 24 | 260S | 190E | 4301931447 | 14505 | Federal | Federal | OW | S | CANE CREEK |
| CANE CREEK 8-1 | 8 | 260S | 200E | 4301931449 | 16464 | Federal | Federal | OW | S | CANE CREEK |
| Cane Creek Unit 18-2 | 18 | 260S | 200E | 4301950027 | 14505 | Federal | Federal | OW | S | CANE CREEK |
| Cane Creek Unit 17-2 | 17 | 260S | 200E | 4301950032 | 14505 | Federal | Federal | OW | S | CANE CREEK |
| Cane Creek 36-1-25-18 | 36 | 250S | 180E | 4301950038 | 19440 | State | State | OW | S | |
| CHEVRON FED 1 | 24 | 290S | 230E | 4303730005 | 975 | Federal | Federal | OW | S | |
| Threemile 12-7 | 12 | 290S | 210E | 4303750001 | 17837 | Federal | Federal | OW | S | THREEMILE |
| LA SAL 29-28 | 29 | 290S | 230E | 4303750002 | 17920 | Federal | Federal | OW | S | |
| CANE CREEK UNIT 16-2-25-18 | 16 | 250S | 180E | 4301950046 | 19512 | State | State | OW | TA | CANE CREEK |

# WESCO OPERATING, INC.

OIL & GAS OPERATIONS



April 8, 2016

John Rogers
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210 Box 145801
Salt Lake City, Utah 84114

RE: Change of Operator
A) Wells
B) APD'S
C) Dubinky Booster Station
D) Blue Hills Gas Plant
E) Dead Horse Lateral Pipeline
F) Authority to Inject
Sundry Notices

Dear John Rodgers,

Please find enclosed the following documents from Fidelity Exploration & Production Company to Wesco Operating, Inc for your further handing. If you have any further questions please contact us..

Sincerely,

Cassy Hague

Cassy Hague
307-577-5337

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

| | |
|---|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Exhibit | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attached Exhibit | |
| 7. UNIT or CA AGREEMENT NAME: See Attached Exhibit | |
| 1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER | 8. WELL NAME and NUMBER: See Attached Exhibit |
| 2. NAME OF OPERATOR: Fidelity Exploration & Production Company | 9. API NUMBER: |
| 3. ADDRESS OF OPERATOR: 1801 California St., STE 2500 CITY Denver STATE CO ZIP 80202 — PHONE NUMBER: (303) 893-3133 | 10. FIELD AND POOL, OR WILDCAT: See Attached Exhibit |
| 4. LOCATION OF WELL — FOOTAGES AT SURFACE: See attached exhibit for all wells and details — COUNTY: Grand | |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: — STATE: UTAH | |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 3/1/2016 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☑ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective March 1, 2016, Fidelity Exploration & Production Company (Operator Number N1355) resigns as Operator of the wells listed on the attached exhibit and Wesco Operating, Inc. has been designated as successor Operator.

Wesco Operating, Inc.
P.O. Box 1650
Casper, Wyoming 82602
Phone 307-265-5178

Fidelity Exploration & Production Company
1801 California Street, Suite 2500
Denver, Colorado 80202
Phone 303-893-3133

Wesco Operating, Inc.
Robert W. Kirkwood, President

Signature

NAME (PLEASE PRINT) Darwin Subart TITLE Chief Financial Officer

SIGNATURE Darwin Subart DATE 4/4/2016

(This space for State use only) BLM:

APPROVED

APR 21 2016

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

## Fidelity Exploration & Production Company Paradox Well & APD List

| Entity # | API # | Permitted Well Name | AKA Well Name | Township | Range | Section(s) | County | State | Mineral | Surface | Well Type | Well Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14506 | 4301931310 | KANE SPRINGS FED 27-1 | KANE SPRINGS FED 27-1-25-19 | 25S | 19E | 27 | GRAND | UT | Federal | Federal | OW | P |
| 14505 | 4301931324 | KANE SPRINGS FED 19-1A | KANE SPRINGS FED 19-1A-ST-26-20 | 26S | 20E | 19 | GRAND | UT | Federal | Federal | OW | P |
| 14509 | 4301931331 | KANE SPRINGS FED 10-1 | KANE SPRINGS FED 10-1-25-18 | 25S | 18E | 10 | GRAND | UT | Federal | Federal | OW | P |
| 14506 | 4301931334 | KANE SPRINGS FED 25-19-34-1 | KANE SPRINGS FED 25-19-34-1 | 25S | 19E | 34 | GRAND | UT | Federal | Federal | OW | P |
| | 4301931341 | KANE SPRINGS 16-1-25-18 | Disposal Well | 25S | 18E | 16 | GRAND | UT | State | State | SWD | P |
| 14505 | 4301931396 | CANE CREEK 2-1 | CANE CREEK UNIT 2-1-26-19 | 26S | 19E | 2 | GRAND | UT | State | State | OW | P |
| 14505 | 4301931446 | CANE CREEK 1-1 | CANE CREEK UNIT 1-1-26-19 | 26S | 19E | 1 | GRAND | UT | Federal | Federal | OW | P |
| 14505 | 4301950009 | CANE CREEK UNIT 12-1 | CANE CREEK UNIT 12-1-26-19 | 26S | 19E | 12 | GRAND | UT | Federal | Federal | OW | P |
| 18923 | 4301950010 | CANE CREEK UNIT 7-1 | CANE CREEK UNIT 7-1-26-20 | 26S | 20E | 7 | GRAND | UT | Federal | Federal | OW | P |
| 14506 | 4301950011 | CANE CREEK UNIT# 26-2 | CANE CREEK UNIT 26-2-25-19 | 25S | 19E | 26 | GRAND | UT | Federal | Federal | OW | P |
| 14505 | 4301950012 | CANE CREEK UNIT #18-1 | CANE CREEK UNIT 18-1-26-20 | 26S | 20E | 18 | GRAND | UT | Federal | Federal | OW | P |
| 14505 | 4301950014 | CANE CREEK U #13-1 | CANE CREEK UNIT 13-1-26-19 | 26S | 19E | 13 | GRAND | UT | Federal | Federal | OW | P |
| 14506 | 4301950019 | CANE CREEK UNIT 26-3 | CANE CREEK UNIT 26-3-25-19 | 25S | 19E | 26 | GRAND | UT | Federal | Federal | OW | P |
| 18681 | 4301950020 | CANE CREEK UNIT 28-2 | CANE CREEK UNIT 28-2-25-19 | 25S | 19E | 28 | GRAND | UT | Federal | Federal | OW | P |
| 14505 | 4301950027 | Cane Creek Unit 18-2 | CANE CREEK UNIT 18-2-26-20 | 26S | 20E | 18 | GRAND | UT | Federal | Federal | OW | P |
| 18980 | 4301950028 | Cane Creek Unit 17-1 | CANE CREEK UNIT 17-1-26-20 | 26S | 20E | 17 | GRAND | UT | Federal | Federal | OW | P |
| 19057 | 4301950030 | Cane Creek Unit 36-1 | CANE CREEK UNIT 36-1-25-19 | 25S | 19E | 36 | GRAND | UT | State | State | OW | P |
| 14505 | 4301950032 | Cane Creek Unit 17-2 | CANE CREEK UNIT 17-2-26-20 | 26S | 20E | 17 | GRAND | UT | Federal | Federal | OW | P |
| 19527 | 4301950033 | Cane Creek Unit 36-2H | CANE CREEK UNIT 36-2H-25-19 | 25S | 19E | 36 | GRAND | UT | State | State | OW | P |
| 19342 | 4301950034 | Cane Creek Unit 24-2H | CANE CREEK UNIT 24-2-26-19 | 26S | 19E | 24 | GRAND | UT | Federal | Federal | OW | P |
| 19528 | 4301950035 | Cane Creek Unit 36-3H | CANE CREEK UNIT 36-3H-25-19 | 25S | 19E | 36 | GRAND | UT | State | State | OW | P |
| 19396 | 4301950037 | Cane Creek Unit 32-1-25-19 | CANE CREEK UNIT 32-1-25-19 | 25S | 19E | 32 | GRAND | UT | State | State | OW | P |
| 19767 | 4301950045 | Cane Creek Unit 28-3 | CANE CREEK UNIT 28-3-25-19 | 26S | 19E | 28 | GRAND | UT | Federal | Federal | OW | P |
| 19588 | 4301950049 | Cane Creek 32-1-25-20 | CANE CREEK 32-1-25-20 | 25S | 20E | 32 | GRAND | UT | State | State | OW | P |
| 11356 | 4303731658 | HATCH POINT 1 | HATCH POINT FEDERAL 1 | 29S | 21E | 14 | SAN JUAN | UT | Federal | Federal | OW | P 26-P |
| 17276 | 4303731857 | THREEMILE 43-18H | THREEMILE UNIT 43-18H-29-22 | 29S | 22E | 18 | SAN JUAN | UT | Federal | Federal | OW | P |
| 19706 | 4301950051 | Cane Creek Unit 7-2-26-20 | CANE CREEK UNIT 7-2-26-20 | 26S | 20E | 7 | GRAND | UT | Federal | Federal | OW | OPS |
| 17984 | 4303750003 | THREEMILE 16-17 | THREEMILE UNIT 16-17-29-22 | 29S | 22E | 16 | SAN JUAN | UT | State | State | OW | OPS 3 OPS |
| 19646 | 4303750069 | Three Mile Unit 12-2-29-21 | THREE MILE UNIT 12-2-29-21 | 29S | 21E | 12 | SAN JUAN | UT | Federal | Federal | OW | OPS |
| 19343 | 4301950036 | CANE CREEK UNIT 2-1-25-18 | CANE CREEK UNIT 2-1-25-18 | 25S | 18E | 2 | GRAND | UT | Federal | State | OW | TA |
| 19512 | 4301950046 | CANE CREEK UNIT 16-2-25-18 | CANE CREEK UNIT 16-2-25-18 | 25S | 18E | 16 | GRAND | UT | State | State | OW | TA 2TA |
| 674 | 4301915925 | LONG CANYON 1 | LONG CANYON 1 | 26S | 20E | 9 | GRAND | UT | Federal | Federal | OW | S |
| 14505 | 4301931447 | CANE CREEK 24-1 | CANE CREEK UNIT 24-1-26-19 | 26S | 19E | 24 | GRAND | UT | Federal | Federal | OW | S |
| 16464 | 4301931449 | CANE CREEK 8-1 | CANE CREEK UNIT 8-1-26-20 | 26S | 20E | 8 | GRAND | UT | Federal | Federal | OW | S |
| 19440 | 4301950038 | Cane Creek 36-1-25-18 | CANE CREEK 36-1-25-18 | 25S | 18E | 36 | GRAND | UT | State | State | OW | S |
| 975 | 4303730005 | CHEVRON FED 1 | CHEVRON FEDERAL 1H | 29S | 23E | 24 | SAN JUAN | UT | Federal | Federal | OW | S 7-S |
| 17837 | 4303750001 | Threemile 12-7 | THREEMILE UNIT 12-7-29-21 | 29S | 21E | 12 | SAN JUAN | UT | Federal | Federal | OW | S |
| 17920 | 4303750002 | LA SAL 29-28 | LA SAL UNIT 29-28-29-23 | 29S | 23E | 29 | SAN JUAN | UT | Federal | Federal | OW | S |
| | 4301950044 | CANE CREEK UNIT 2-2-25-18 | | 25OS | 18OE | 2 | GRAND | UT | State | State | OW | APD |
| | 4301950048 | Cane Creek Unit 25-1-25-19 | | 25OS | 19OE | 25 | GRAND | UT | Federal | Federal | OW | APD |
| | 4301950052 | Cane Creek Unit 6-1-25-19 | | 25OS | 19OE | 6 | GRAND | UT | Federal | Federal | OW | APD |
| | 4301950053 | Cane Creek Unit 29-1-25-19 | | 25OS | 19OE | 29 | GRAND | UT | Federal | Federal | OW | APD 3APD |
| | 4301950054 | Cane Creek 10-1-25-19 | | 25OS | 19OE | 10 | GRAND | UT | Federal | Federal | OW | APD |
| | 4301950055 | Cane Creek Unit 30-1-25-19 | | 25OS | 19OE | 30 | GRAND | UT | Federal | Federal | OW | APD |
| | 4301950056 | Cane Creek Unit 19-2-26-20 | | 26OS | 20OE | 19 | GRAND | UT | Federal | Federal | OW | APD |

| Entity # | API # | Permitted Well Name | AKA Well Name | Township | Range | Section(s) | County | State | Mineral | Surface | Well Type | Well Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4301950057 | Cane Creek Unit 14-1-25-19 | | 25OS | 19OE | 14 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950058 | Cane Creek Unit 2-3-25-18 | | 25OS | 18OE | 2 | GRAND | UT | Federal | State | OW | APD ✓ |
| | 4301950059 | Cane Creek Unit 16-3-25-18 | | 25OS | 18OE | 16 | GRAND | UT | Federal | State | OW | APD ✓ |
| | 4301950060 | Cane Creek Unit 19-1-25-19 | | 25OS | 19OE | 19 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950061 | Cane Creek Unit 32-2-25-19 | | 25OS | 19OE | 32 | GRAND | UT | State | State | OW | APD ✓ |
| | 4301950062 | Cane Creek Unit 17-1-25-19 | | 25OS | 19OE | 17 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950063 | Cane Creek Unit 16-4-25-18 | | 25OS | 18OE | 16 | GRAND | UT | Federal | State | OW | APD ✓ |
| | 4301950064 | Cane Creek Unit 2-4-25-18 | | 25OS | 18OE | 2 | GRAND | UT | Federal | State | OW | APD ✓ |
| | 4301950065 | Cane Creek Unit 5-1-25-18 | | 25OS | 18OE | 5 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950068 | 8-2-26-20 | | 26OS | 20OE | 8 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950069 | Cane Creek Unit 19-3-26-20 | | 26OS | 20OE | 19 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950070 | Cane Creek Unit 21-1-25-19 | | 25OS | 19OE | 21 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950071 | Cane Creek Unit 12-2-26-19 | | 26OS | 19OE | 12 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950072 | Cane Creek Unit 26-4-25-19 | | 25OS | 19OE | 26 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950073 | Cane Creek Unit 21-1-25-18 | | 25OS | 18OE | 21 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950074 | Cane Creek Unit 9-1-25-18 | | 25OS | 18OE | 9 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950075 | Cane Creek Unit 7-1-25-19 | | 25OS | 19OE | 7 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950076 | Cane Creek Unit 5-2-25-18 | | 25OS | 18OE | 5 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950077 | Cane Creek Unit 7-1-25-18 | | 25OS | 18OE | 7 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4301950078 | Cane Creek Unit 13-1-25-18 | | 25OS | 18OE | 13 | GRAND | UT | Federal | Federal | OW | APD ✓ |
| | 4303750070 | Three Mile Unti 12-3-29-21 | | 29OS | 21OE | 12 | SAN JUAN | UT | Federal | Federal | OW | APD ✓ |
| | 4303750071 | Three Mile Unit 16-2-29-22 | | 29OS | 22OE | 16 | SAN JUAN | UT | Federal | State | OW | APD ✓ |
| | 4301950036 | CANE CREEK UNIT 2-1-25-18H2 | | 25S | 18E | 2 | GRAND | UT | Federal | State | OW | APD ✓ |

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

# Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

| | |
|---|---|
| **Well name:** | See attached well list |
| **API number:** | |
| **Location:** | Qtr-Qtr: Section: Township: Range: |
| **Company that filed original application:** | Fidelity Exploration & Production Company |
| **Date original permit was issued:** | |
| **Company that permit was issued to:** | Fidelity Exploration & Production Company |

| Check one | Desired Action: |
|---|---|
| | |
| | **Transfer pending (unapproved) Application for Permit to Drill to new operator** |
| | The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application. |
| ✓ | **Transfer approved Application for Permit to Drill to new operator** |
| | The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. |

| **Following is a checklist of some items related to the application, which should be verified.** | **Yes** | **No** |
|---|---|---|
| If located on private land, has the ownership changed? | | ✓ |
| If so, has the surface agreement been updated? | | |
| Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? | | ✓ |
| Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? | | ✓ |
| Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location? | | ✓ |
| Has the approved source of water for drilling changed? | | ✓ |
| Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? | | ✓ |
| Is bonding still in place, which covers this proposed well? Bond No. _____ | | |

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Robert W. Kirkwood Title President

Signature [signature] Date 4/7/10

Representing (company name) Wesco Operating, Inc.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

## Fidelity Exploration & Production Company Paradox APD List

| Date Issued | API # | Permitted Well Name | Township | Range | Section(s) | County | State | Mineral | Surface | Well Type | Well Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/4/2014 | 4301950044 | CANE CREEK UNIT 2-2-25-18 | 250S | 180E | 2 | GRAND | UT | State | State | OW | APD |
| 2/19/2015 | 4301950048 | Cane Creek Unit 25-1-25-19 | 250S | 190E | 25 | GRAND | UT | Federal | Federal | OW | APD |
| 6/26/2014 | 4301950052 | Cane Creek Unit 6-1-25-19 | 250S | 190E | 6 | GRAND | UT | Federal | Federal | OW | APD |
| 6/26/2014 | 4301950053 | Cane Creek Unit 29-1-25-19 | 250S | 190E | 29 | GRAND | UT | Federal | Federal | OW | APD |
| 6/26/2014 | 4301950054 | Cane Creek 10-1-25-19 | 250S | 190E | 10 | GRAND | UT | Federal | Federal | OW | APD |
| 6/26/2014 | 4301950055 | Cane Creek Unit 30-1-25-19 | 250S | 190E | 30 | GRAND | UT | Federal | Federal | OW | APD |
| 6/26/2014 | 4301950056 | Cane Creek Unit 19-2-26-20 | 260S | 200E | 19 | GRAND | UT | Federal | Federal | OW | APD |
| 6/26/2014 | 4301950057 | Cane Creek Unit 14-1-25-19 | 250S | 190E | 14 | GRAND | UT | Federal | Federal | OW | APD |
| 7/21/2014 | 4301950058 | Cane Creek Unit 2-3-25-18 | 250S | 180E | 2 | GRAND | UT | Federal | State | OW | APD |
| 8/6/2014 | 4301950059 | Cane Creek Unit 16-3-25-18 | 250S | 180E | 16 | GRAND | UT | Federal | State | OW | APD |
| 8/6/2014 | 4301950060 | Cane Creek Unit 19-1-25-19 | 250S | 190E | 19 | GRAND | UT | Federal | Federal | OW | APD |
| 9/22/2014 | 4301950061 | Cane Creek Unit 32-2-25-19 | 250S | 190E | 32 | GRAND | UT | State | State | OW | APD |
| 7/30/2014 | 4301950062 | Cane Creek Unit 17-1-25-19 | 250S | 190E | 17 | GRAND | UT | Federal | Federal | OW | APD |
| 8/12/2014 | 4301950063 | Cane Creek Unit 16-4-25-18 | 250S | 180E | 16 | GRAND | UT | Federal | State | OW | APD |
| 9/24/2014 | 4301950064 | Cane Creek Unit 2-4-25-18 | 250S | 180E | 2 | GRAND | UT | Federal | State | OW | APD |
| 9/2/2014 | 4301950065 | Cane Creek Unit 5-1-25-18 | 250S | 180E | 5 | GRAND | UT | Federal | Federal | OW | APD |
| 11/25/2014 | 4301950068 | 8-2-26-20 | 260S | 200E | 8 | GRAND | UT | Federal | Federal | OW | APD |
| 12/19/2014 | 4301950069 | Cane Creek Unit 19-3-26-20 | 260S | 200E | 19 | GRAND | UT | Federal | Federal | OW | APD |
| 1/14/2015 | 4301950070 | Cane Creek Unit 21-1-25-19 | 250S | 190E | 21 | GRAND | UT | Federal | Federal | OW | APD |
| 1/13/2015 | 4301950071 | Cane Creek Unit 12-2-26-19 | 260S | 190E | 12 | GRAND | UT | Federal | Federal | OW | APD |
| 1/13/2015 | 4301950072 | Cane Creek Unit 26-4-25-19 | 250S | 190E | 26 | GRAND | UT | Federal | Federal | OW | APD |
| 1/14/2015 | 4301950073 | Cane Creek Unit 21-1-25-18 | 250S | 180E | 21 | GRAND | UT | Federal | Federal | OW | APD |
| 1/20/2015 | 4301950074 | Cane Creek Unit 9-1-25-18 | 250S | 180E | 9 | GRAND | UT | Federal | Federal | OW | APD |
| 1/14/2015 | 4301950075 | Cane Creek Unit 7-1-25-19 | 250S | 190E | 7 | GRAND | UT | Federal | Federal | OW | APD |
| 1/20/2015 | 4301950076 | Cane Creek Unit 5-2-25-18 | 250S | 180E | 5 | GRAND | UT | Federal | Federal | OW | APD |
| 1/14/2015 | 4301950077 | Cane Creek Unit 7-1-25-18 | 250S | 180E | 7 | GRAND | UT | Federal | Federal | OW | APD |
| 1/14/2015 | 4301950078 | Cane Creek Unit 13-1-25-18 | 250S | 180E | 13 | GRAND | UT | Federal | Federal | OW | APD |
| 7/8/2014 | 4303750070 | Three Mile Unti 12-3-29-21 | 290S | 210E | 12 | SAN JUAN | UT | Federal | Federal | OW | APD |
| 10/2/2014 | 4303750071 | Three Mile Unit 16-2-29-22 | 290S | 220E | 16 | SAN JUAN | UT | Federal | State | OW | APD |
| 12/16/2014 | 4301950036 | Cane Creek Unit 2-1-25-18 H2 | 25S | 18E | 2 | GRAND | UT | Federal | State | OW | APD |

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-90108

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Blue Hills Gas Plant

8. WELL NAME and NUMBER: Blue Hills Gas Plant

2. NAME OF OPERATOR: Fidelity Exploration & Production Company

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1801 California St., STE 250( CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 893-3133

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 3/1/2016 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☑ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective March1, 2016, Fidelity Exploration & Production Company (Operator Number N1355) resigns as Operator of the Blue Hills Gas Plant located in T23S-R19E, Sections 20, 29. Wesco Operating, Inc. has been named as successor Operator.

Wesco Operating, Inc.
P.O Box 1650
Casper, Wyoming 82602
Phone 307-265-5178

Fidelity Exploration & Production Company
1801 California Street, Suite 2500
Denver, Colorado 80202
Phone 303-893-3133

Wesco Operating, Inc.
Robert W. Kirkwood, President

Signature

NAME (PLEASE PRINT) Darwin Subart TITLE Chief Financial Officer

SIGNATURE DATE 4/4/2016

(This space for State use only)

APPROVED

APR 21 2016

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Compressor Booster Station

8. WELL NAME and NUMBER: Dubinky Booster Station

2. NAME OF OPERATOR: Fidelity Exploration & Production Company

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1801 California St., STE 2500 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 893-3133

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 3/1/2016 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☑ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective March1, 2016, Fidelity Exploration & Production Company (Operator Number N1355) resigns as Operator of the Dubinky Booster Station located along Dubinky Road, approximately 18 miles northwest of Moab, 599142 E 4280872 N UTM Zone 12, NAD83. Wesco Operating, Inc. has been named as successor Operator.

Wesco Operating, Inc.
P.O. Box 1650
Casper, Wyoming 82602
Phone 307-265-5178

Fidelity Exploration & Production Company
1801 California Street, Suite 2500
Denver, Colorado 80202
Phone 303-893-3133

Wesco Operating, Inc.
Robert W. Kirkwood, President

Signature

NAME (PLEASE PRINT) Darwin Subart TITLE Chief Financial Officer

SIGNATURE Darwin Subart DATE 4/4/2016

(This space for State use only)

APPROVED

APR 21 2016

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

# TRANSFER OF AUTHORITY TO INJECT

| Well Name and Number | API Number |
|---|---|
| Kane Springs 16-1 | 4301931341 |
| **Location of Well** | Field or Unit Name |
| Footage : 960' FSL 1960' FWL County : Grand | Cane Creek |
| QQ, Section, Township, Range: SESW 16 25 18 State : UTAH | Lease Designation and Number ML-44333 |

**EFFECTIVE DATE OF TRANSFER:** 3/1/2016

**CURRENT OPERATOR**

Company: Fidelity Exploration & Production Company
Address: 1801 California Street, Suite 2500
city Denver state CO zip 80202
Phone: (303) 893-3133
Comments:

Name: Darwin Subart
Signature: [signature]
Title: Chief Financial Officer
Date: 4/4/2016

**NEW OPERATOR**

Company: Wesco Operating, Inc.
Address: P.O. Box 1650
city Casper state WY zip 82602
Phone: (307) 265-5178
Comments:

Name: Robert W. Kirkwood
Signature: [signature]
Title: President
Date: 4/7/16

(This space for State use only)

Transfer approved by: [signature]
Title: UIC Geologist

Approval Date: 4/13/16

Comments:

(5/2000)