API Well Number: 43019500340000

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 24-2H

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

3. FIELD OR WILDCAT
BIG FLAT

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)
UTU-65973

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	650 FNL 2829 FEL	NENW	24	26.0 S	19.0 E	S
Top of Uppermost Producing Zone	650 FNL 2829 FEL	NWNE	24	26.0 S	19.0 E	S
At Total Depth	792 FNL 632 FWL	NWNW	30	26.0 S	20.0 E	S

21. COUNTY
GRAND

22. DISTANCE TO NEAREST LEASE LINE (Feet)
650

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
32

26. PROPOSED DEPTH
MD: 13427 TVD: 7416

27. ELEVATION - GROUND LEVEL
6051

28. BOND NUMBER
CO-1395

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

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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 - 4350	29.0	P-110 Other	0.0	Class G	800	1.44	16.8
							Class G	350	1.73	18.0
I1	12.25	9.625	0 - 4565	40.0	L-80 Buttress	0.0	Class G	660	1.25	14.4
							Class G	250	1.25	14.4
P2	8.5	7	0 - 13427	29.0	P-110 Other	16.5	Class G	800	1.44	16.8
							Class G	350	1.73	18.0

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** 08/02/2013	**EMAIL** joy.gardner@fidelityepco.com

RECEIVED: September 10, 2013

API Well Number: 43019500340000

API NUMBER ASSIGNED	APPROVAL
43019500340000	Permit Manager

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RECEIVED: September 10, 2013

Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK 24-2H
SEC 24 / T26S / R19E, 650' FNL & 2829 FEL, NENW
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	746	+5,328	Sand/Shale	
Moenkopi	1150	+4,924	Sand/Shale	
Cutler	1575	+4,499	Sandstone	
Honaker Trail	2,752	+3,322	Sand/Evaporite	
Paradox	4,181	+1,893	Salt/Clastics	Secondary
Cane Creek Shale	7,613	-1,539	Shale	Primary
T.D.	7,416			
T.D. (LATERAL MD)	±13,427			

Estimated TD: **7,416' TVD/ 13,427' MD** **Anticipated BHP: ±5,750 Psig**

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	Burst	Tensile
							(psi) a	(psi) b	(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 – 4,565'	9-5/8"	40.0#	L-80	BTC	3,090/1.5	5,750/1.2	947/2.1
Production	8-1/2"	0 – 4,350'	7"	29#	P-110	BTC	8,530/1.3	11,220/2.0	955/2.1
Production	8-1/2"	4,350 – 8,850'	7"	32#	HCP-110	BTC	11,890/1.9	12,460/2.0	955/2.1
Production	8-1/2"	8,850 – 13,427'	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 24-2H
SEC 24 / T26S / R19E, 650' FNL & 2829 FEL, NENW
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'- 4,565±)
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 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'- 13,507'	Oil Based Mud	13.5-16.5 ppg	22-32 / 12-22	+/-90:10

Intermediate & Production Hole Procedure (4,565' - 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.

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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 Exploration & Production Company Eight Point Plan

CANE CREEK 24-2H
SEC 24 / T26S / R19E, 650' FNL & 2829 FEL, NENW
GRAND COUNTY, UTAH

- 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.
- 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 – 4,565'±):

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 (4,565' – TD):

Lead: **800 sks** Weighted Class G + 10% Silica Flour + 25% 100 Mesh sand. Yield = 1.44 ft^3/sk @ 16.80 ppg.
Tail: **350 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 24-2H
SEC 24 / T26S / R19E, 650' FNL & 2829 FEL, NENW
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)

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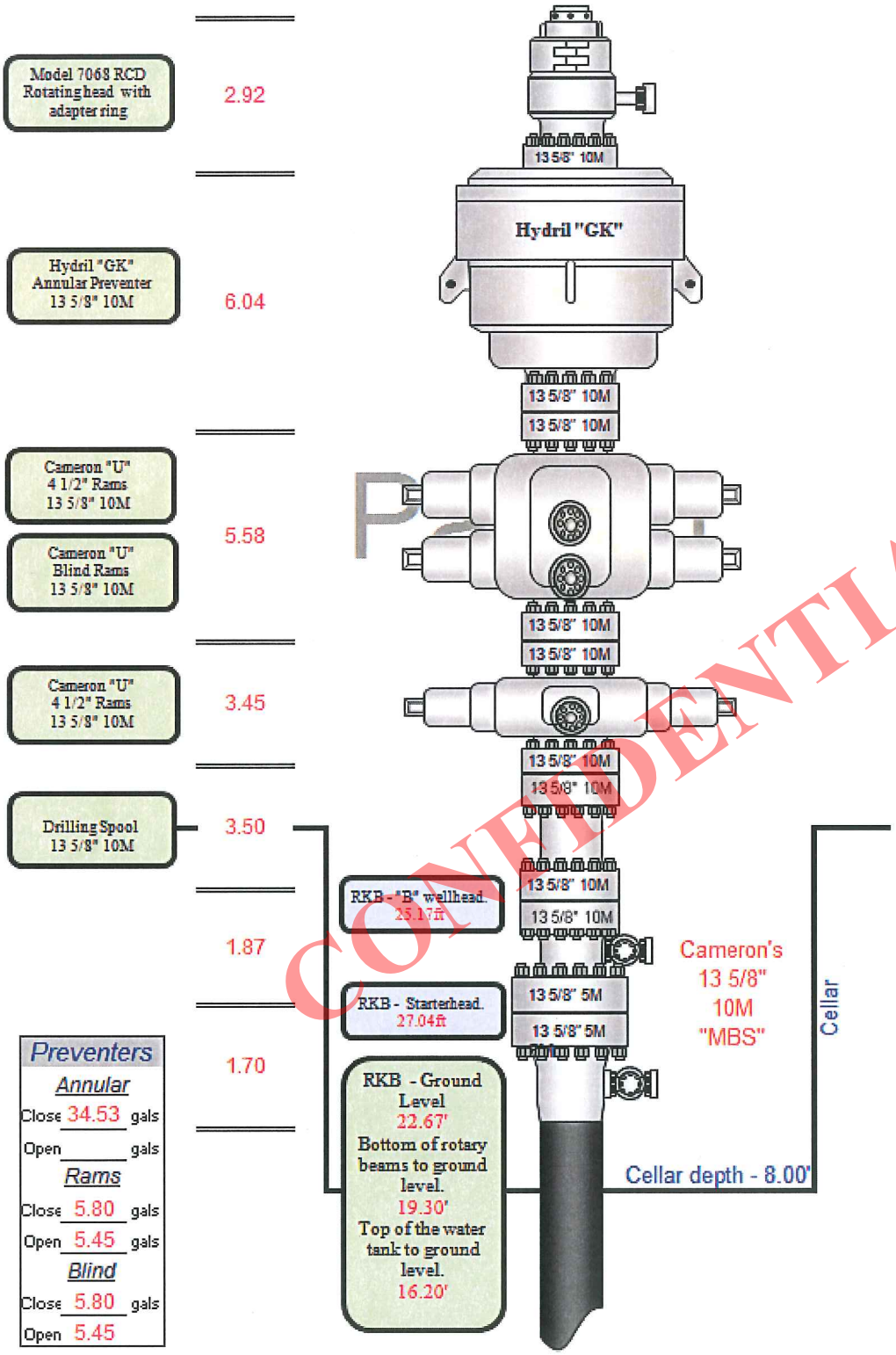
Fidelity Exploration & Production Company Eight Point Plan

CANE CREEK 24-2H
SEC 24 / T26S / R19E, 650' FNL & 2829 FEL, NENW
GRAND COUNTY, UTAH



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API Well Number: 43019500340000

KEOGH LAND SURVEYING

45 EAST CENTER STREET MOAB, UTAH, 84532

A PLAT OF

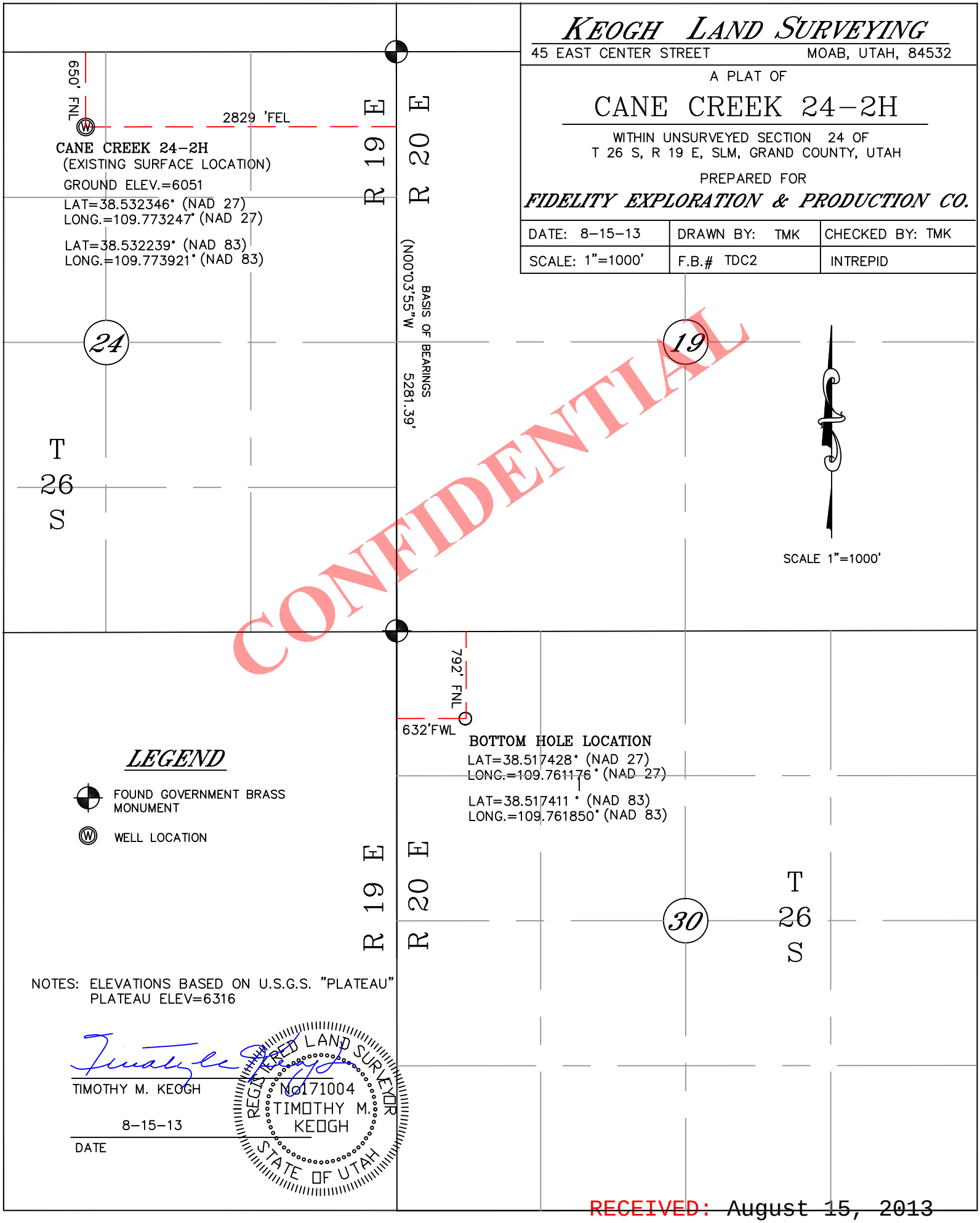
CANE CREEK 24-2H

WITHIN UNSURVEYED SECTION 24 OF
T 26 S, R 19 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR

FIDELITY EXPLORATION & PRODUCTION CO.

DATE: 8-15-13	DRAWN BY: TMK	CHECKED BY: TMK
SCALE: 1"=1000'	F.B.# TDC2	INTREPID



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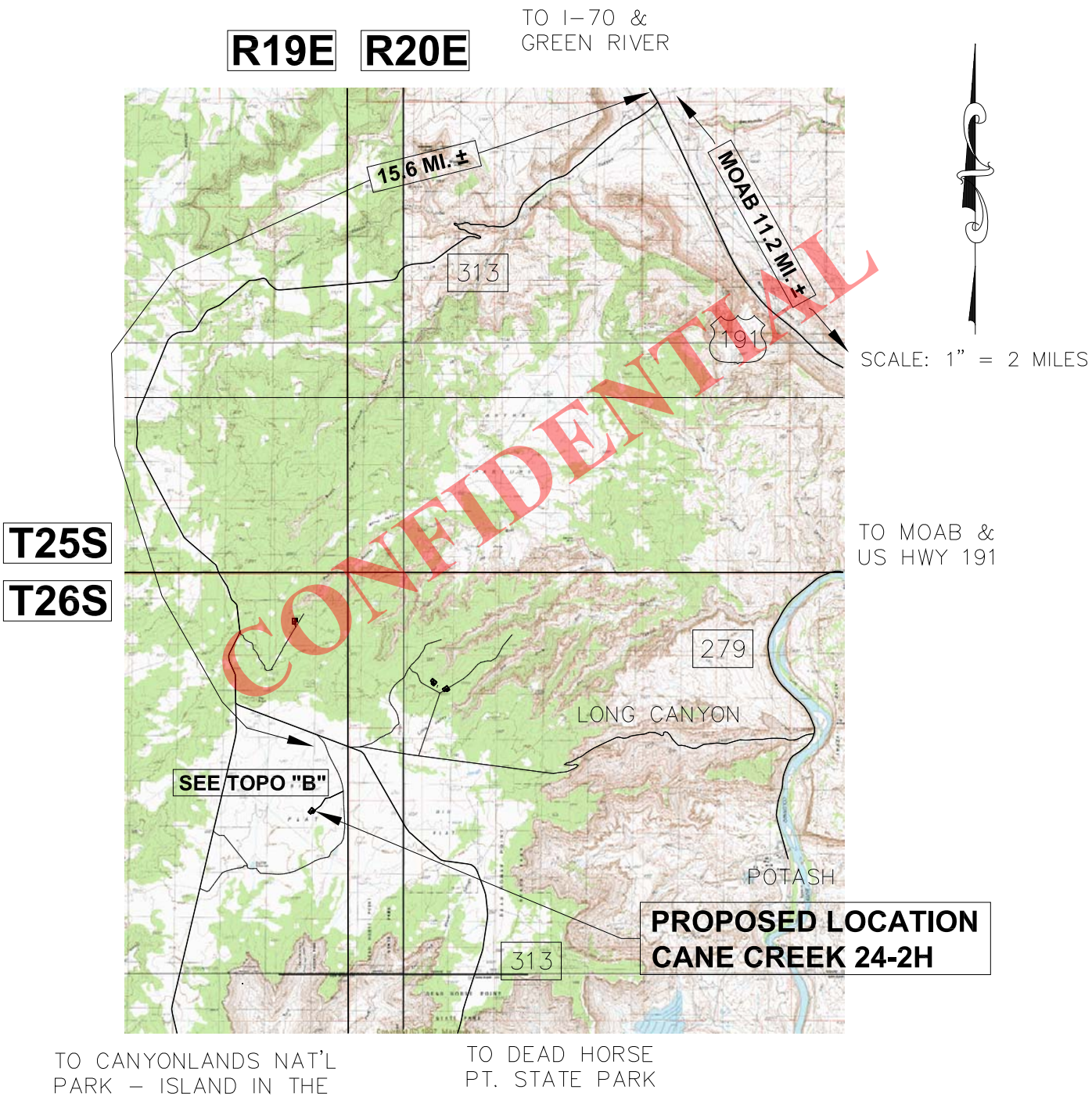
RECEIVED: August 15, 2013

KEOGH LAND SURVEYING
45 EAST CENTER STREET MOAB, UTAH, 84532
DATE: 8-2-13 DRAWN BY: EJ CHECKED BY: TMK



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FIDELITY EXPLORATION + PRODUCTION CO.
STATE HWY. 313 MOAB, UTAH

LOCATION LAYOUT FOR
CANE CREEK 24-2H
SECTION 24, T26S R19E S.L.B.+M

SHEET
A
TOPO

RECEIVED: August 02, 2013

FIDELITY
Exploration & Production Company

SURFACE USE PLAN

Name of Operator	Fidelity Exploration & Production Company
Address:	Lincoln St, Suite 2800 Denver, CO 80203
Well Location:	**Cane Creek Unit 24-2H** 650' FNL & 2829' FEL, NENW, Section 24, T26S, R19E Grand County, UT

The referenced well (Cane Creek Unit 24-2) will be located on the pre-existing well pad for the Cane Creek Unit 24-1. Fidelity does not anticipate any additional disturbance beyond the original well pad dimension.

Upon moving on to the Cane Creek Unit 24-1 pad to drill the Cane Creek Unit 24-2, the Cane Creek Unit 24-1 well will be shut in. We will then move the wellhead isolation cage and 8 cement blocks (see picture) and install it over the Cane Creek Unit 24-1 and surround it with the cement blocks.

In addition, emergency shutdown buttons will be available in the dog house of Frontier 10 and the entrance to the pad itself. In case of an emergency, this button will actuate the back pressure valve on the Cane Creek Unit 24-1 wellhead and immediately shut in the well. During drilling of the Cane Creek Unit 24-2, Cane Creek Unit 24-1 will be kept open to sales and the cage will be employed.

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1. Location of Existing Roads:

   a. The existing well pad is located approximately 27.7 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 15.6 miles until reaching the fork in the road. Turn right and proceed southeasterly 0.82 miles. Turn right onto the access road and proceed southwesterly 2450' until reaching the location.

   c. For location of access roads, see Map A & B

   d. Improvements to the existing access on county roads will not be necessary since all roads are maintained by the Grand County Road Department or Utah State Highway Department.

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

operation.

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

2. New or Reconstructed Access Roads

a. Existing access will be utilized for the drilling of this well. Surface disturbance and vehicular travel will be limited to the approved location access road.

b. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development (Gold Book –Fourth Edition - Revised 2007).

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

3. Location of Existing Wells:

a. Fidelity's Cane Creek Unit 24-1 is located within one mile of the Cane Creek Unit 24-2 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.

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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 but 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 Moab City a local source of municipal water through a direct water purchase.

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 will be hauled on the road(s) shown in Exhibit B.
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. Methods of Handling Waste:

a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

b. Water based drill cuttings will be contained and buried on site. Cuttings collected while using oil-based mud will be segregated and hauled to an appropriated disposal facility.

c. The original Cane Creek Unit 24-1 reserve pit has been maintained open and is located outboard of the location and along the west side of the pad.

d. The reserve pit is currently lined with 24 mil minimum thickness plastic nylon reinforced liner material. The liner overlays 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 the drilling and completion operation.

e. 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.

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f. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the 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, testing, or completion of the well.

g. 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 off periodically to the approved Grand County facility, Bob's Sanitation near Moab, Utah.

h. 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.

i. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved disposal facility.

j. Produced water from the production well will be disposed in accordance with Onshore Order #7.

k. 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.

l. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Grand County Wastewater Treatment Facility in accordance with state and county regulations.

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8. 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.

9. Well Site Layout: (See Exhibit B)

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 west.

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.

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

a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.

b. Upon 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 plastic nylon reinforced 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 the interim reclamation will be completed within 180 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment 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 well 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.

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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. On BLM administered land, it is required that a Pesticide Use Proposal (PUP) be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals. Fidelity does have an approved PUP in place for the CC Unit.

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 and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

f. A final abandonment notice will be submitted to BLM 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 BLM for approval of the new closure and reclamation activities.

11. Surface and Mineral Ownership:

a. Surface Ownership – Federal under the management of the Bureau of Land Management - Moab Field Office, 82 East Dogwood, Moab, Utah 84532; 435-259-2135.

b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Moab Field Office, 82 East Dogwood, Moab, Utah 84532; 435-259-2135.

12. 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

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API Well Number: 43019500340000

1700 Lincoln St. Suite 2800
Denver, CO, 80203
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Joy.gardner@fidelityepco.com

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API Well Number: 43019500340000

FIDELITY Exploration & Production Company
An MDU Resources Group company

Fidelity

Rev 4

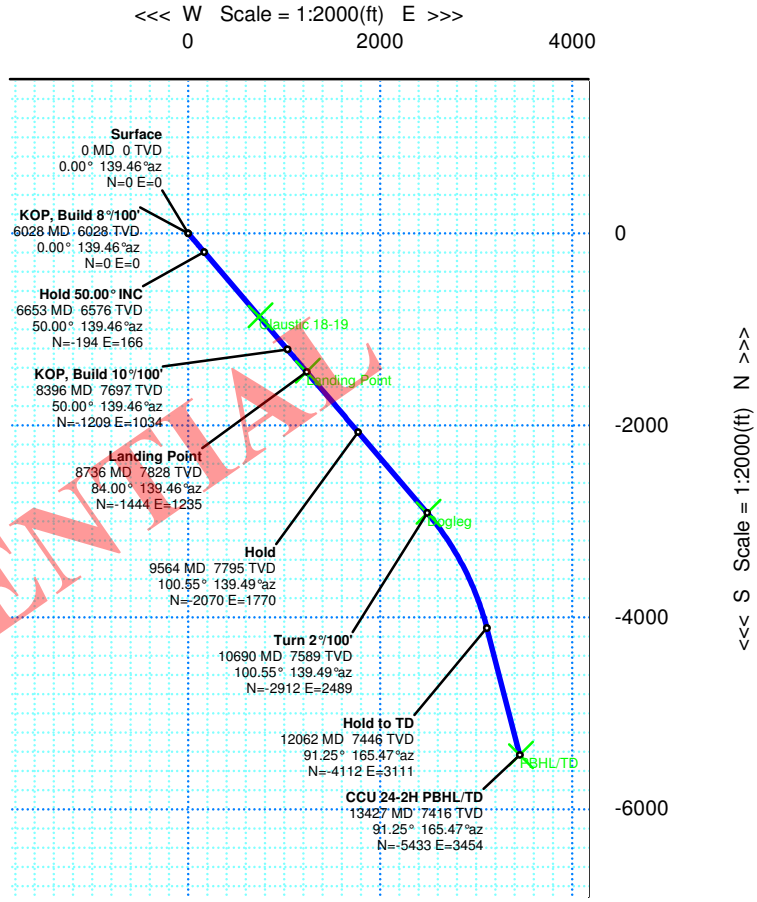
PATHFINDER
A Schlumberger Company

WELL	FIELD	STRUCTURE
CCU 24-2H	Grand County, UT	Fidelity (CCU 24-2H)

Magnetic Parameters						Surface Location						Miscellaneous			
Model:	BGGM 2013	Dip:	64.561°	Date:	June 10, 2013	Lat:	N 38 31 55.991	Northing:	77213.90 ftUS	Grid Conv:	1.106°	Slot:	CCU 24-2H	TVD Ref:	RKB(6074ft above Mean Sea Level)
		Mag Dec:	10.785°	FS:	51208.2nT	Lon:	W 109 46 23.484	Easting:	2494044.40 ftUS	Scale Fact:	1.00015468	Plan:	R4 mdv 18Jun13	Srvy Date:	June 10, 2013

Proposal

True North
Tot Corr (M->T 10.7851°)
Mag Dec (10.785°)
Grid Conv (1.106°)



CONFIDENTIAL

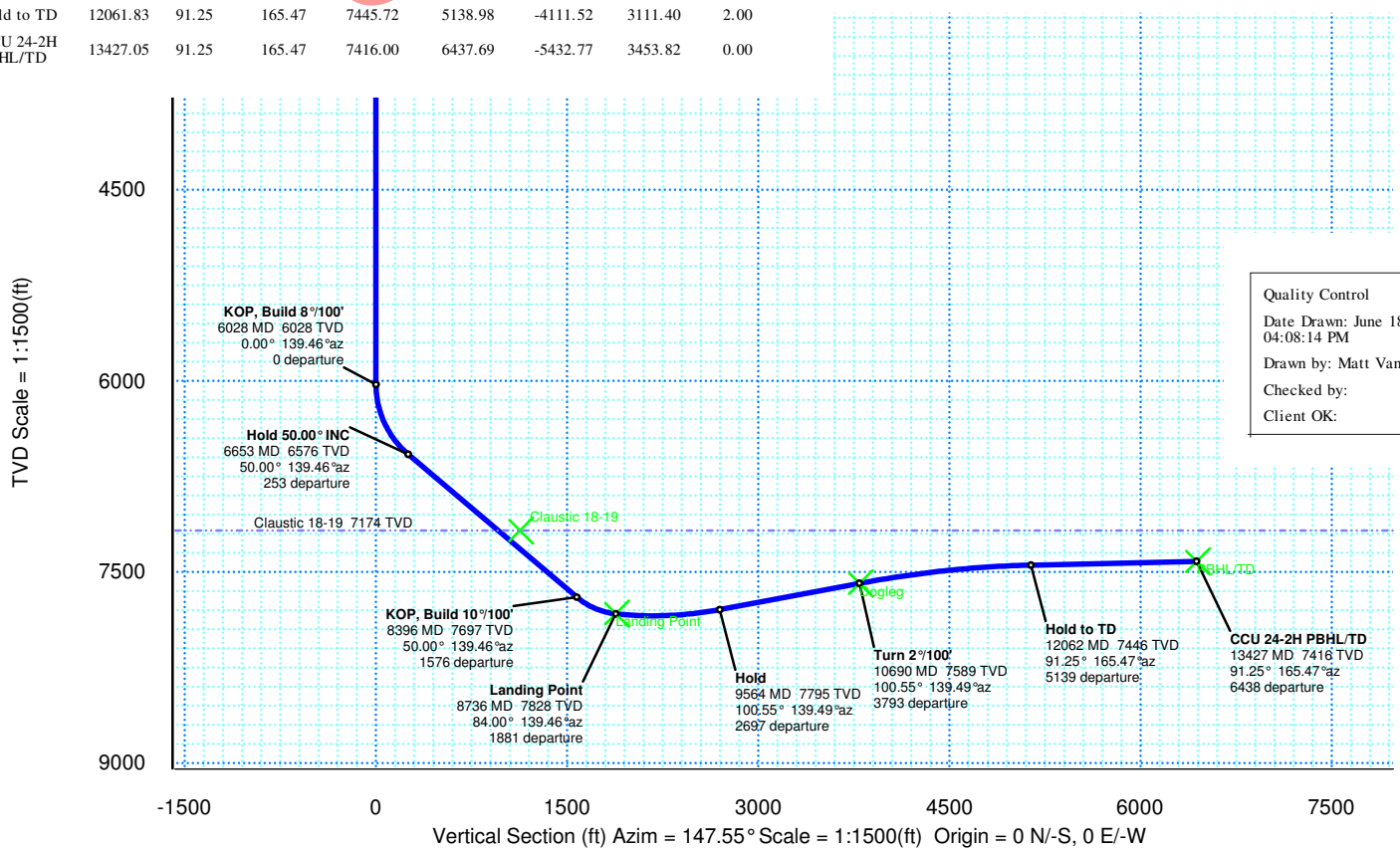
Surface Location

Northing: 77213.90 Easting: 2494044.40

Target Description					Grid Coord		Local Coord	
Target Name	Shape	Major Axis	N(+)/S(-)	E(+)/W(-)	TVD	VSec	N(+)/S(-)	E(+)/W(-)
Claustic 18-19	Point	0.00	76362.00	2494802.00	7174.00	1128.52	-866.23	740.90
CCU 24-2H Dogleg	Point	0.00	74350.00	2496590.00	7589.00	3793.13	-2912.06	2489.46
CCU 24-2H PBHL/TD	Point	0.00	71848.00	2497603.00	7416.00	6437.69	-5432.77	3453.82
CCU 24-2H Landing Point	Point	0.00	75794.00	2495307.00	7828.00	1880.89	-1443.79	1234.77

Critical Points

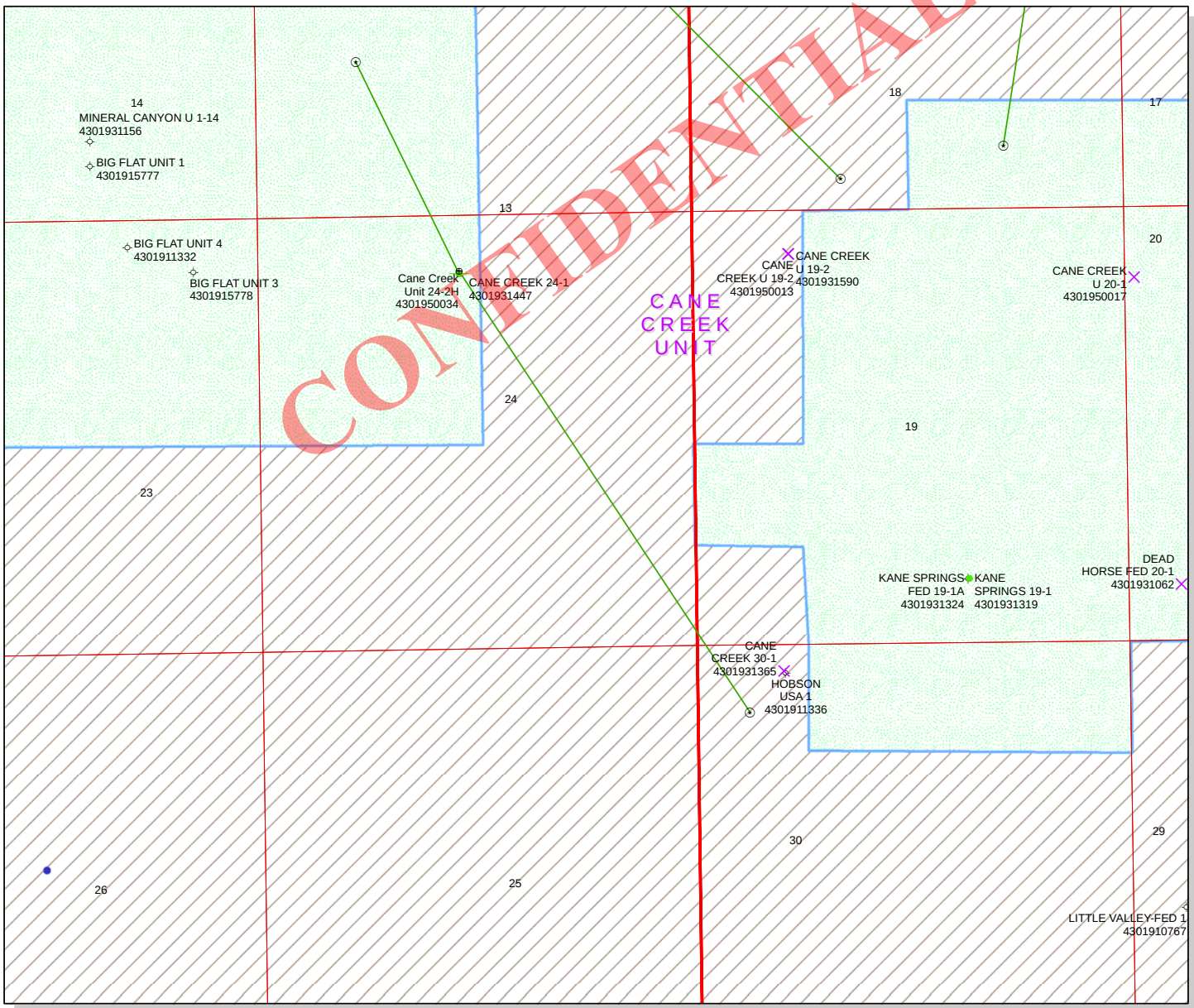
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Surface	0.00	0.00	139.46	0.00	0.00	0.00	0.00	
KOP, Build 8°/100'	6027.60	0.00	139.46	6027.60	0.00	0.00	0.00	0.00
Hold 50.00° INC	6652.54	50.00	139.46	6576.20	253.24	-194.39	166.25	8.00
Claustic 18-19	7582.46	50.00	139.46	7174.00	958.45	-735.73	629.21	0.00
KOP, Build 10°/100'	8396.11	50.00	139.46	7697.06	1575.50	-1209.39	1034.29	0.00
Landing Point	8736.16	84.00	139.46	7828.00	1880.87	-1443.79	1234.77	10.00
Hold	9563.73	100.55	139.49	7795.25	2696.73	-2070.17	1770.21	2.00
Turn 2°/100'	10690.07	100.55	139.49	7589.00	3793.09	-2912.06	2489.46	0.00
Hold to TD	12061.83	91.25	165.47	7445.72	5138.98	-4111.52	3111.40	2.00
CCU 24-2H PBHL/TD	13427.05	91.25	165.47	7416.00	6437.69	-5432.77	3453.82	0.00



Quality Control
Date Drawn: June 18, 2013
04:08:14 PM
Drawn by: Matt VanderSchaaf
Checked by:
Client OK:

RECEIVED: August 02, 2013

API Well Number: 43019500340000



API Number: 4301950034

Well Name: Cane Creek Unit 24-2H

Township T26.0S Range R19.0E Section 24

Meridian: SLBM

Operator: FIDELITY E&P COMPANY

Map Prepared:
Map Produced by Diana Mason

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

1,500 750 0 1,500 Feet

1:15,000

RECEIVED: August 21, 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)

September 6, 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.

CONFIDENTIAL

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

API #	WELL NAME	LOCATION
(Proposed PZ Cane Creek)		
43-019-50034	Cane Creek Unit 24-2H	Sec 24 T26S R19E 0650 FNL 2829 FEL
	Lateral 1	Sec 30 T26S R20E 0792 FNL 0632 FWL

This office has no objection to permitting the well 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: 2013.09.06 08:28:35 -06'00'

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

MCoulthard:mc:9-6-13

RECEIVED: September 10, 2013

API Well Number: 43019500340000

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 24-2H

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

3. FIELD OR WILDCAT
BIG FLAT

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)
UTU-65973

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	650 FNL 2829 FEL	NENW	24	26.0 S	19.0 E	S
Top of Uppermost Producing Zone	650 FNL 2829 FEL	NWNE	24	26.0 S	19.0 E	S
At Total Depth	792 FNL 632 FWL	NWNW	30	26.0 S	20.0 E	S

21. COUNTY
GRAND

22. DISTANCE TO NEAREST LEASE LINE (Feet)
650

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
32

26. PROPOSED DEPTH
MD: 13427 TVD: 7416

27. ELEVATION - GROUND LEVEL
6051

28. BOND NUMBER
CO-1395

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 - 4350	29.0	P-110 Other	0.0	Class G	800	1.44	16.8
							Class G	350	1.73	18.0
I1	12.25	9.625	0 - 4565	40.0	L-80 Buttress	0.0	Class G	660	1.25	14.4
							Class G	250	1.25	14.4
P2	8.5	7	0 - 13427	29.0	P-110 Other	16.5	Class G	800	1.44	16.8
							Class G	350	1.73	18.0

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** 08/02/2013	**EMAIL** joy.gardner@fidelityepco.com

API NUMBER ASSIGNED 43019500340000 **APPROVAL**

CONFIDENTIAL

RECEIVED: August 02, 2013
Received: August 02, 2013

API Well Number: 43019500340000

KEOGH LAND SURVEYING

45 EAST CENTER STREET MOAB, UTAH, 84532

A PLAT OF

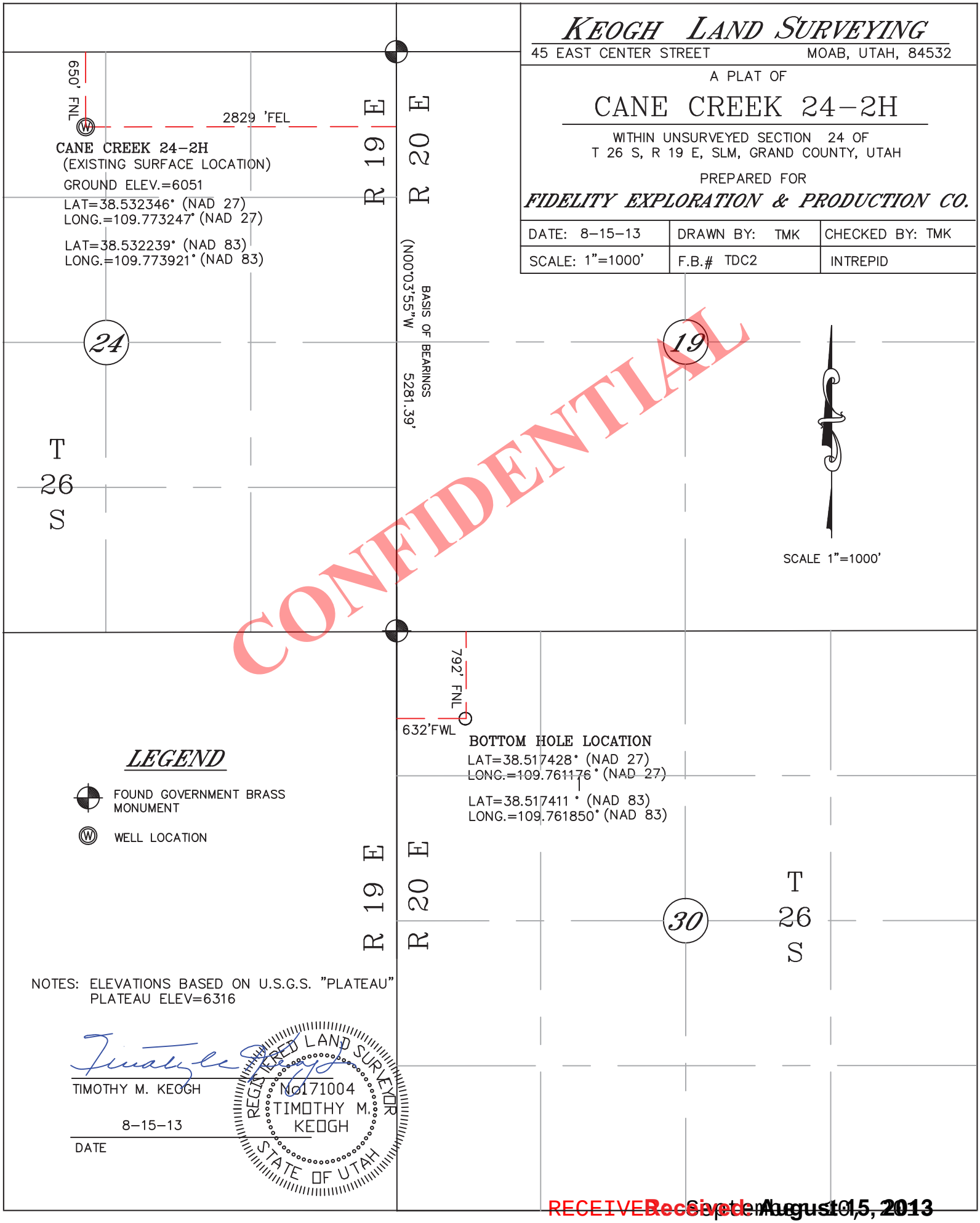
CANE CREEK 24-2H

WITHIN UNSURVEYED SECTION 24 OF
T 26 S, R 19 E, SLM, GRAND COUNTY, UTAH

PREPARED FOR

FIDELITY EXPLORATION & PRODUCTION CO.

DATE: 8-15-13	DRAWN BY: TMK	CHECKED BY: TMK
SCALE: 1"=1000'	F.B.# TDC2	INTREPID



CONFIDENTIAL

RECEIVED Received: August 15, 2013

API Well Number: 43019500340000

FIDELITY Exploration & Production Company
An MDU Resources Group company

Fidelity

Rev 4

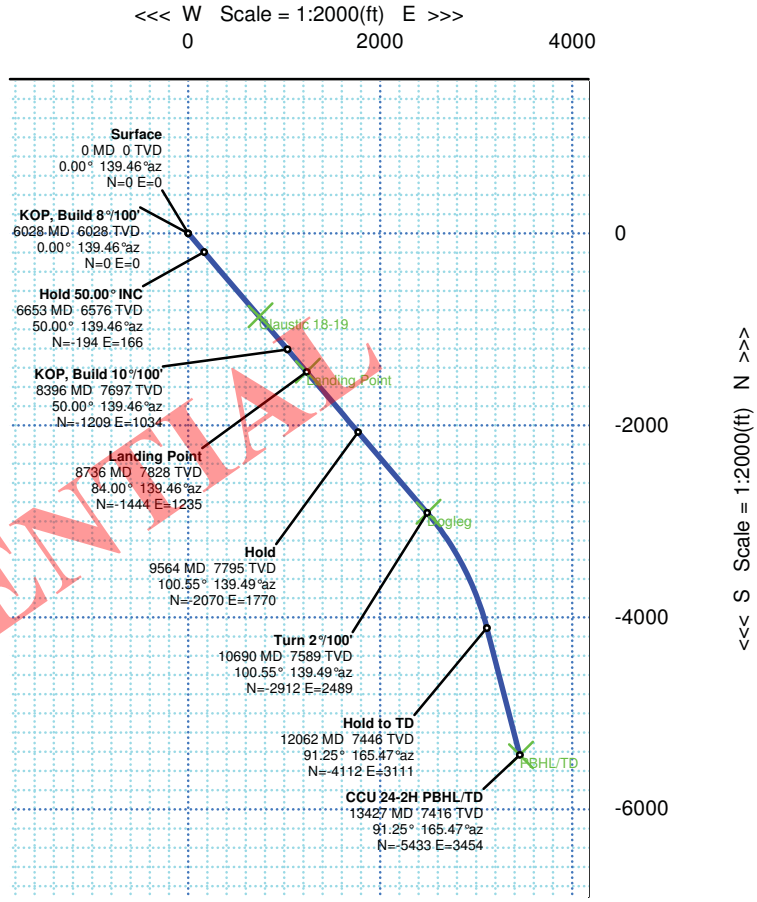
PATHFINDER A Schlumberger Company

WELL	FIELD	STRUCTURE
CCU 24-2H	Grand County, UT	Fidelity (CCU 24-2H)

Magnetic Parameters						Surface Location						Miscellaneous			
Model:	BGGM 2013	Dip:	64.561°	Date:	June 10, 2013	Lat:	N 38 31 55.991	Northing:	77213.90 ftUS	NAD27 Utah State Plane, Central Zone, US Feet		Slot:	CCU 24-2H	TVD Ref:	RKB(6074ft above Mean Sea Level)
		Mag Dec:	10.785°	FS:	51208.2nT	Lon:	W 109 46 23.484	Easting:	2494044.40 ftUS	Grid Conv:	1.106°	Plan:	R4 mdv 18Jun13	Srvy Date:	June 10, 2013
										Scale Fact:	1.00015468				

Proposal

True North
Tot Corr (M->T 10.7851°)
Mag Dec (10.785°)
Grid Conv (1.106°)



Surface Location

Northing: 77213.90 Easting: 2494044.40

Target Description				Grid Coord			Local Coord	
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Hold 50.00° INC	6652.54	50.00	139.46	6576.20	253.24	-194.39	166.25	8.00
Claustic 18-19	7582.46	50.00	139.46	7174.00	958.45	-735.73	629.21	0.00
KOP, Build 10°/100'	8396.11	50.00	139.46	7697.06	1575.50	-1209.39	1034.29	0.00
Landing Point	8736.16	84.00	139.46	7828.00	1880.87	-1443.79	1234.77	10.00
Hold	9563.73	100.55	139.49	7795.25	2696.73	-2070.17	1770.21	2.00
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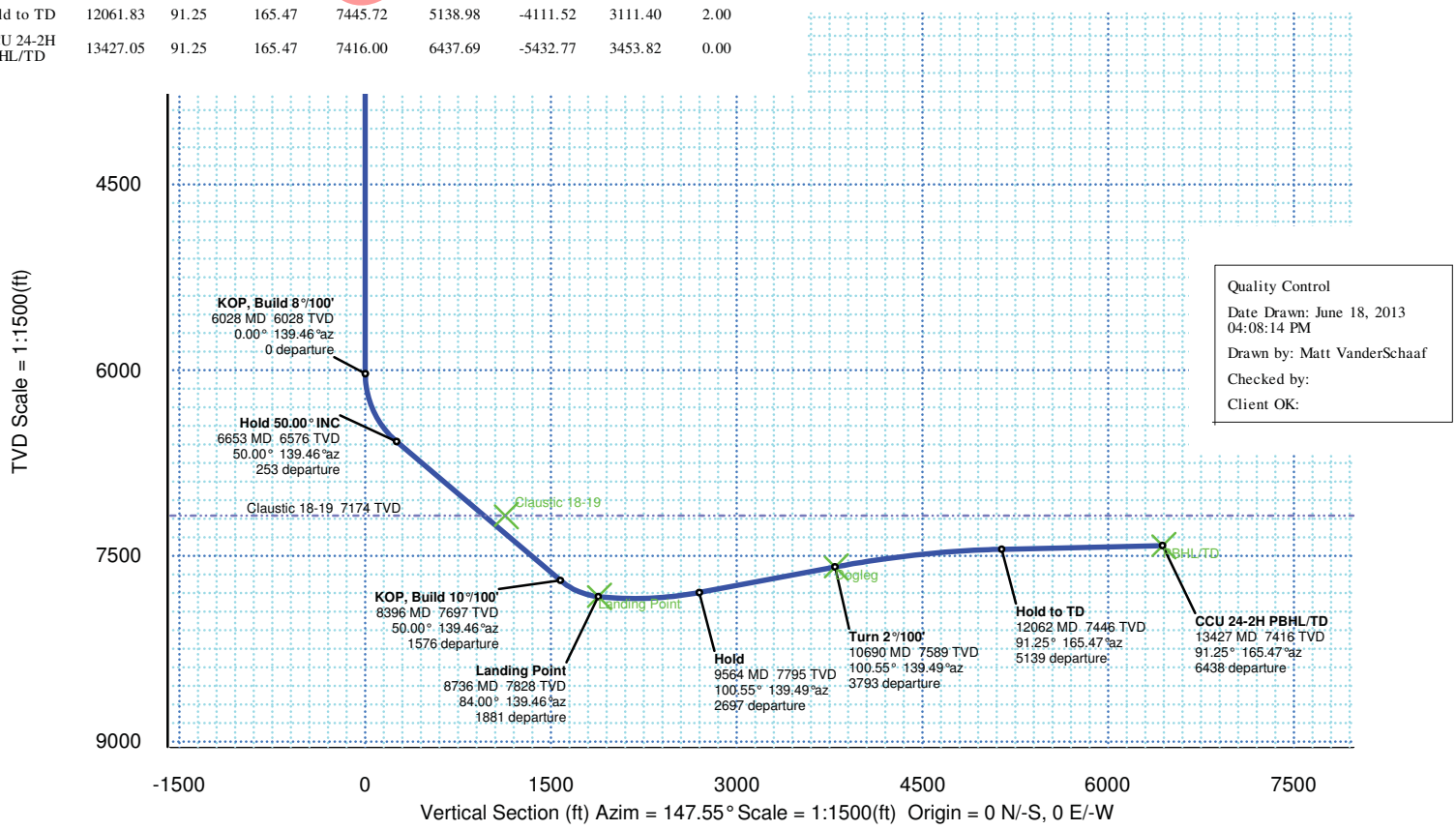
CCU 24-2H PBHL/TD	13427.05	91.25	165.47	7416.00	6437.69	-5432.77	3453.82	0.00

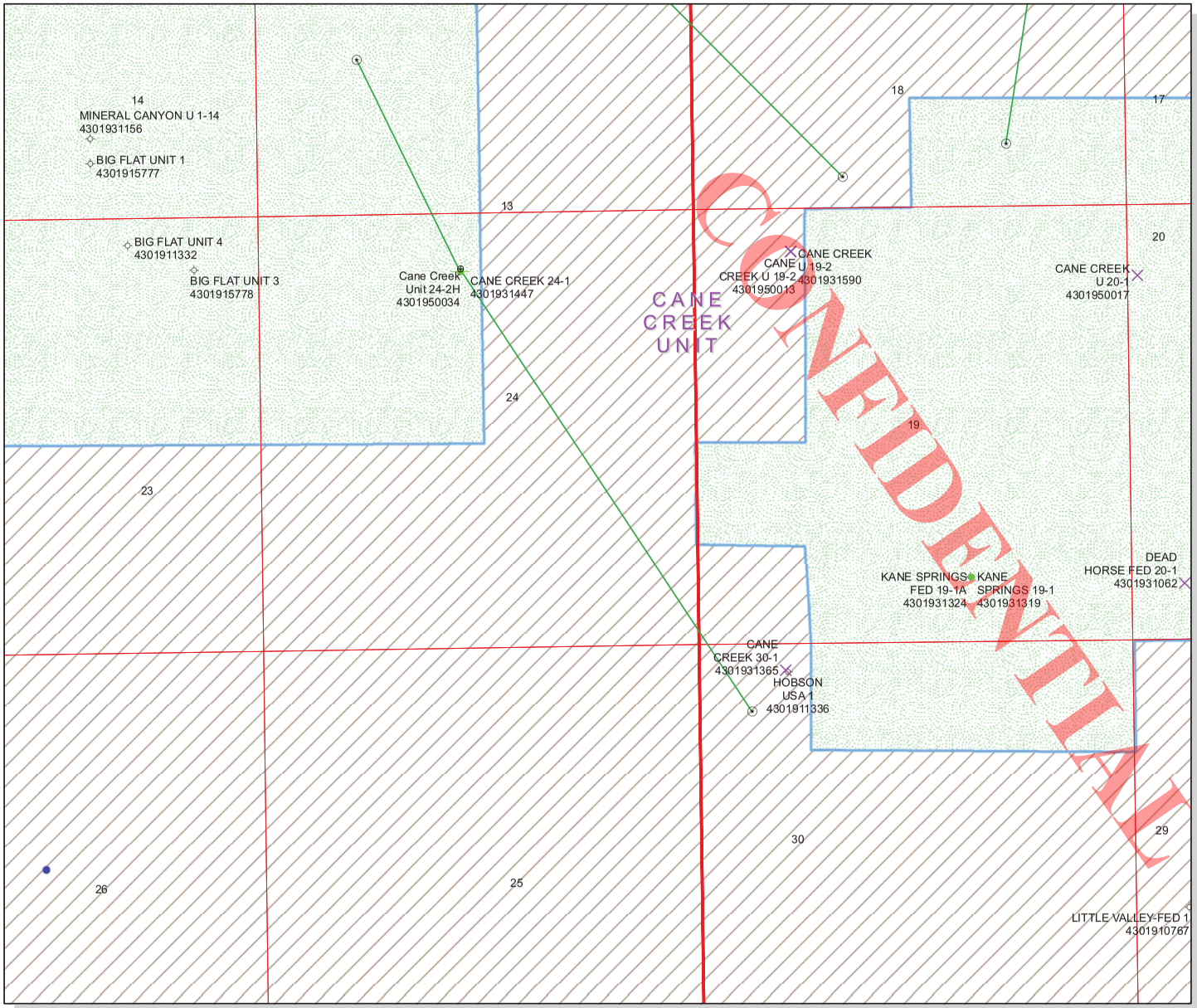
CONFIDENTIAL



Quality Control
Date Drawn: June 18, 2013
04:08:14 PM
Drawn by: Matt VanderSchaaf
Checked by:
Client OK:

RECEIVED: August 02, 2013
Received: August 02, 2013

API Well Number: 4301950034000



API Number: 4301950034

Well Name: Cane Creek Unit 24-2H

Township T26.0S Range R19.0E Section 24

Meridian: SLBM

Operator: FIDELITY E&P COMPANY

Map Prepared:
Map Produced by Diana Mason

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

1,500 750 0 1,500 Feet

1:15,000

RECEIVED: September 10, 2013

Received: August 21, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/2/2013
API NO. ASSIGNED: 43019500340000
WELL NAME: Cane Creek Unit 24-2H
OPERATOR: FIDELITY E&P COMPANY (N3155)
PHONE NUMBER: 720 956-5763
CONTACT: Joy Gardner

PROPOSED LOCATION: NENW 24 260S 190E
Permit Tech Review: ✔
SURFACE: 0650 FNL 2829 FEL
Engineering Review: ☐
BOTTOM: 0792 FNL 0632 FWL
Geology Review: ✔
COUNTY: GRAND
LATITUDE: 38.53229
LONGITUDE: -109.77399
UTM SURF EASTINGS: 606860.00
NORTHINGS: 4265589.00
FIELD NAME: BIG FLAT
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-65973
PROPOSED PRODUCING FORMATION(S): CANE CREEK
SURFACE OWNER: 1 - Federal
COALBED METHANE: NO

CONFIDENTIAL

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** FEDERAL - CO-1395
- ☐ **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:
4 - Federal Approval - dmason
23 - Spacing - dmason
27 - Other - bhill

RECEIVED: September 10, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
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 24-2H
API Well Number: 43019500340000
Lease Number: UTU-65973
Surface Owner: FEDERAL
Approval Date: 9/10/2013

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 CANE CREEK 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:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

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.

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 at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

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

PHONE NUMBER: 720 931-6459 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 1/25/2014	☐ 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 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.

Cane Creek Unit 24-2 was spud on 1/25/2014. Set 97 ft 20 inch conductor with 10 cubic yards of Redi-Mix Concrete.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 30, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Joy Gardner	720 956-5763	Sr. Engineering Tech
SIGNATURE N/A		**DATE** 1/30/2014

RECEIVED: Jan. 30, 2014

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

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

PHONE NUMBER: 720 931-6459 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT 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 Report Date: 3/3/2014	☐ 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	DATE
N/A	3/3/2014

RECEIVED: Mar. 03, 2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/1/2014
Report #: 7, DFS: -0.42
Daily Depth Progress:

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
1/31/2014 06:00	2/1/2014 06:00	-0.42	0.0	0.0	

Operations at Report Time
Finishing Strapping & Calipering BHA.

Operations Summary
Rig on Daywork 1/31/14 06:00 hrs. RU Air Package. Install Flowline. Load, strap & caliper BHA.

Operations Next Report Period
Drilling

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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	RU Northwestern Air Package. Install Sub Tarps. RU Rig Floor. Install Hardline from Gas Buster to Flowline Manifold. Install Choke Line Coflex Hoses. RU Trip Tank. Finish Fabricating Flowline. RU steam to uprights in backyard.	102.0	102.0
18:00	10.00	22.00	1	Install Flowline (had several difficulties). Install Jet Line to Flowline. Install Northwestern Air Lines to Flowline. Complete Pre-Spud Checklist.	102.0	102.0
04:00	2.00	24.00	22	Load BHA on pipe racks. Strap & caliper BHA.	102.0	102.0

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/2/2014
Report #: 8, DFS: 0.58
Daily Depth Progress: 180.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/1/2014 06:00	2/2/2014 06:00	0.58	102.0	282.0	180.00

Operations at Report Time
Picking up 6-1/4" DC's.

Operations Summary
Pressure test surface lines & repair leaks. PU 17-1/2" Drilling Assy & RIH to 102'. Install Rotating Head. Spud well @16:00 hrs. Drill 17-1/2" hole f/ 102' to 282'. Work on Mud Pit Trough.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	22	Finish strap & caliper BHA. Blow out air lines.	102.0	102.0
08:00	1.00	3.00	22	Pressure test Northwestern Air Lines to 1000 psi. Had two surface leaks. Repair same.	102.0	102.0
09:00	1.00	4.00	6	PU & MU two stands of 4.5" HWDP and rack back in derrick.	102.0	102.0
10:00	0.50	4.50	7	Service Rig.	102.0	102.0
10:30	2.50	7.00	6	PU 17-1/2" Hammer Bit & Hammer. PU 2 x 8" DC's and RIH. Tag up at 102' and take survey - °	102.0	102.0
13:00	2.00	9.00	22	Install MI Swaco Rotating Head & Lubricator.	102.0	102.0
15:00	1.50	10.50	22	Begin circulating across shakers - Leaking at two Flowline Knife Valves. Repair leaks.	102.0	102.0
16:30	3.50	14.00	2	*** Spud Cane Creek 24-2H on 2/1/14 at 16:00 hrs *** Drill 17-1/2" hole from 102' to 247' with 2400 CFM air and 18 GPM mist	102.0	247.0
20:00	6.00	20.00	5	Circ while change out Shaker Screens and clean out Mud Pit Trough - Cuttings building up due to jet line not functioning.	247.0	247.0
02:00	1.00	21.00	2	Drill 17-1/2" hole from 247' to 282' with 2400 CFM air and 18 GPM mist.	247.0	282.0
03:00	1.00	22.00	10	First survey attempt failed. Pull tool out. Re-run survey - 3.53°	282.0	282.0
04:00	1.00	23.00	6	Pull 2 stands of 4.5" HWDP and rack back in derrick. Pull Rotating Head Rubber.	282.0	282.0
05:00	1.00	24.00	6	PU 1 x 8" DC and 5 x 6-1/4" DC's	282.0	282.0

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 (%)
102.0	388.0	286.00	2/1/2014 16:00	2/2/2014 10:00	0.50	572.0	0.50			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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/3/2014
Report #: 9, DFS: 1.58
Daily Depth Progress: 363.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/2/2014 06:00	2/3/2014 06:00	1.58	282.0	645.0	363.00

Operations at Report Time
Circulating Hole

Operations Summary
Drill 17-1/2" hole from 282' to 388'. Hammer would not fire. POOH. Change out Hammer Bit. RIH to 388'. Air Drill 17-1/2" hole from 388' to 645'. Had to Ream tight hole from 553' to 222'. PU DC's.

Operations Next Report Period
Run Casing & Cement

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	6	Pick up 3 stands of 6.25" Drill Collars and Rack Back in Derrick	282.0	282.0
08:00	0.50	2.50	10	Run Incllination Survey @100' to verify Conductor set in at an angle. Survey 3.05°	282.0	282.0
08:30	0.50	3.00	6	Tag up @ 250'. Lay Down One 6.25" Drill Collar	282.0	282.0
09:00	0.50	3.50	23	Change out Rotating Head Rubber and Install Rotating Head	282.0	282.0
09:30	0.50	4.00	3	Wash and Ream tight hole from 222' to 282'.	282.0	282.0
10:00	3.50	7.50	2	Air Drill 17.5" Hole From 282' to 388' with 3600 CFM air and 18 GPM mist. Hammer quit firing.	282.0	388.0
13:30	2.50	10.00	6	POOH from 388' to Surface. Pull Rotating Head. LD 17.5" Hammer Bit	388.0	388.0
16:00	1.50	11.50	6	Pick up new 17.5" Hammer Bit and TIH From Surface to 388'. Install Rotating Head Rubber.	388.0	388.0
17:30	0.50	12.00	2	Air Drill 17.5" Hole From 388' to 405'.	388.0	405.0
18:00	0.50	12.50	2	Air Drill 17.5" hole from 405' to 464'.	405.0	464.0
18:30	0.50	13.00	7	Service Rig.	464.0	464.0
19:00	1.00	14.00	2	Air Drill 17.5" hole from 464' to 524'.	464.0	524.0
20:00	0.50	14.50	6	PU 1 x 4.5" HWDP (to bury all DC's)	524.0	524.0
20:30	0.50	15.00	2	Air Drill 17.5" hole from 524' to 553'	524.0	553.0
21:00	2.00	17.00	5	Circ hole. Adjust Mud Gas Separator. Change out Shaker Screens.	553.0	553.0
23:00	1.00	18.00	3	Work through tight spots from 553' to 222'.	553.0	553.0
00:00	1.00	19.00	5	Circ hole while bringing up water to foam concentration for better hole cleaning. Pull Rotating Head Rubber.	553.0	553.0
01:00	1.50	20.50	6	PU 7 x 6-1/4" DC's and Drilling Jars. Install Rotating Head Rubber.	553.0	553.0
02:30	2.00	22.50	2	Air Drill 17-.5" hole from 553' to 645'	553.0	645.0
04:30	0.50	23.00	10	Run Inclination Survey @608' - 3.3°	645.0	645.0
05:00	1.00	24.00	5	Circ while cutting back foam and defoam pits.	645.0	645.0

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 (%)
102.0	388.0	286.00	2/1/2014 16:00	2/2/2014 10:00	0.50	572.0	0.50			100.00
388.0	1,093.0	705.00	2/2/2014 16:00	2/4/2014 04:30	16.50	42.7	16.50			100.00

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/3/2014
Report #: 9, DFS: 1.58
Daily Depth Progress: 363.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/4/2014
Report #: 10, DFS: 2.58
Daily Depth Progress: 448.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/3/2014 06:00	2/4/2014 06:00	2.58	645.0	1,093.0	448.00

Operations at Report Time
Preparing to pump fluid downhole with Mud Pumps & Air due to Mist Pump failure.

Operations Summary
Air Drill 17.5" hole from 465' to 738'. Change out Swivel Packing. Repair Top Drive Encoder. Air Drill from 738' to TD @1093'. Mist Pump failure - line up Mud Pumps to pump fluid down hole + air.

Operations Next Report Period
Run Casing & Cement

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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	Circ while cutting back foam and defoam pits. *** Notified Jeff Brown with BLM about running & cementing 13-3/8" casing ***	645.0	645.0
07:00	1.50	2.50	2	Air Drill 17.5" hole from 645' to 713'	645.0	713.0
08:30	0.50	3.00	5	Circ hole to unload cuttings & Mathena Shale Gas Separator	713.0	713.0
09:00	0.50	3.50	2	Air Drill 17-1/2" hole from 713' to 738'	713.0	738.0
09:30	1.50	5.00	8	Swivel Packing leaking. Change out same.	738.0	738.0
11:00	8.00	13.00	8	Attempt to drill ahead - had high, erratic torque readings but minimal cuttings coming across shakers. Troubleshoot high torque readings down to a Top Drive VFD/Encoder electriclal problem. POOH to 487' while wait on electrician. Swap out Top Drive Encoder.	738.0	738.0
19:00	1.50	14.50	23	Install 10" Spool on Gas Buster	738.0	738.0
20:30	0.50	15.00	6	Trip in Hole From 487' to 738'. Wash last stand for safety - No hole problems.	738.0	738.0
21:00	7.50	22.50	2	Air Drill 17.5" Hole From 738' to 1093' with 4800 CFM air and 21 GPM mist - TD Surface Hole	738.0	1,093.0
04:30	0.50	23.00	5	Blow hole clean.	1,093.0	1,093.0
05:00	1.00	24.00	23	Northwestern Air Mist Pump failure. Line up mud pumps on hole to pump fluid aroud with air.	1,093.0	1,093.0

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 (%)
388.0	1,093.0	705.00	2/2/2014 16:00	2/4/2014 04:30	16.50	42.7	16.50			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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/5/2014
Report #: 11, DFS: 3.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/4/2014 06:00	2/5/2014 06:00	3.58	1,093.0	1,093.0	0.00

Operations at Report Time
Wait on Cement and Rigging Down Flow Line and Cutting 20" Conductor Pipe

Operations Summary
Circ Hole Clean POOH and Lay Down 17.5 Hammer Bit Rig up Casing Crew and Run 26 jts 13 3/8 Casing Fill Casing and Hole With 318 BBLS Water Rig up Halliburton and Cement 13 3/8 Casing Wait on Cement Rig up and Do Top Job Rig Down Flowline and Start to Cut Conductor Pipe

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

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	10	Run Wireline Survey @ 900' w/3.03° inclination & 1067' - 3.23° inclination.	1,093.0	1,093.0
06:30	1.50	2.00	6	Made Wiper Trip from 1093' TD to 495' with no problems.	1,093.0	1,093.0
08:00	0.50	2.50	5	Circulate from 1093' TD with 4800 SCFM + 26 gpm mist @ 520 psi DPP & Blow Hole Clean.	1,093.0	1,093.0
08:30	2.00	4.50	6	POOH from 1093' to top of BHA.	1,093.0	1,093.0
10:30	1.50	6.00	6	Rack back 6.5" DC & L/D 1-8" D.C. Break out bit, L/D AIr Hammer & bit sub. Rack 1 std of 8" D.C. in derrick.	1,093.0	1,093.0
12:00	0.50	6.50	9	Service Rig & clean off Rig Floor.	1,093.0	1,093.0
12:30	1.50	8.00	12	Held PJSM. Change out elevators bails (Installed Franks 16' elevator bails).	1,093.0	1,093.0
14:00	1.00	9.00	12	Held PJSM. R/U Franks 13-3/8" x 150 ton Casing Running Equipment.	1,093.0	1,093.0
15:00	4.50	13.50	12	Make up 13-3/8" Casing Shoe Track. Ran 26 Jts (1097.11') of 13-3/8" 54.5# J-55, BTC Casing. Tag bottom @ 1093'. R/D Franks Casing Equipment.	1,093.0	1,093.0
19:30	0.50	14.00	12	Held PJSM. Install Halliburton Cement Head. R/U circulating hose.	1,093.0	1,093.0
20:00	1.50	15.50	5	Fill Casing & Hole with 318 bbl of water. Observed returns at Surface.	1,093.0	1,093.0
21:30	3.50	19.00	12	Held PJSM. R/U Cement lines & test to 3500 psi. Cement 13-3/8" Surface Casing as listed. Pumped 10 bbl FW, 20 bbl Super Flush 101, 10 bbl FW. Mix & pump Lead Slurry with 450 sks = 190.7 bbl @ 12.3 ppg, 2.41 yield, 0.125 poly-e-flake, 3#/sk pheno-seal. Pump Tail Slurry with 220 sks = 82.7 bbl @ 12.8 ppg, 2.14 yield, 0.125 poly-e-flake, 3#/sk pheno-seal. Drop Top plug & displace with 162 bbl FW. Bump Plug on schedule with 840 psi. Check floats - OK. Observed +/- 105 bbl of cement to Surface. NOTE: Jeff Brown with BLM on location.	1,093.0	1,093.0
01:00	1.50	20.50	13	Wait on Cement and Monitor Back Side. Cement dropped 100'.	1,093.0	1,093.0
02:30	2.00	22.50	12	R/U Halliburton. Run one Jt of 1" Pipe between 13-3/8" x 20". Perform Top-out Cement Job. Flush conductor pipe with water. Mix & pump 10 bbls (50 sks) Class-G @ 15.6 ppg, 1.18 yield 2% Calcium Chloride, 5 gal/sk. fresh water. R/D Halliburton.	1,093.0	1,093.0
04:30	1.50	24.00	14	Blow down Surface Equipment. Nipple down turn buckles & flow line.	1,093.0	1,093.0

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

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/5/2014
Report #: 11, DFS: 3.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/6/2014
Report #: 12, DFS: 4.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/5/2014 06:00	2/6/2014 06:00	4.58	1,093.0	1,093.0	0.00

Operations at Report Time
Nipple up BOPS and Welder Working on Flowline and Clean on Mud Tanks

Operations Summary
Rig Down Flow line Cut Conductor Pipe Install Well Head and Weld on Well Head Test Well Head Install B Section Stack up BOPS and Set Pragma

Operations Next Report Period
Trips

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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	Finish N/D Flow Line. Pull Mousehole. R/D Catwalk & move same. Cut 20" Conductor & rough cut 13-3/8" Casing. L/D same.	1,093.0	1,093.0
14:30	3.50	12.00	14	Make final cut on 13-3/8" Casing & prep for Wellhead. Weld on CIW 13-5/8" 5M SOW Wellhead (Tom Keogh Welding). Test to 1000 psi for 10 minutes with N2. Test was API.	1,093.0	1,093.0
18:00	2.00	14.00	14	Nipple up 13-5/8" x 10M "B" Section Wellhead.	1,093.0	1,093.0
20:00	2.00	16.00	14	Nipple up BOP Install 13 5/8 Drilling Spool and Lower Pipe Rams	1,093.0	1,093.0
22:00	1.50	17.50	14	Nipple up BOP Install 13 5/8 Double Gate	1,093.0	1,093.0
23:30	2.00	19.50	14	Nipple up BOP Install 13 5/8 Annular	1,093.0	1,093.0
01:30	1.00	20.50	14	Nipple up BOP Install HCR Manifold	1,093.0	1,093.0
02:30	0.75	21.25	1	Set Pragma in Place With Bed Truck	1,093.0	1,093.0
03:15	1.00	22.25	14	Nipple up BOP Install Orbit Valve to Rotating Head	1,093.0	1,093.0
04:15	1.75	24.00	14	Nipple up BOPS Install Kill Line and and Hook up Choke Hose to HCR	1,093.0	1,093.0

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/7/2014
Report #: 13, DFS: 5.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/6/2014 06:00	2/7/2014 06:00	5.58	1,093.0	1,093.0	0.00

Operations at Report Time
Testing Bops and Welder Buliding Flowline

Operations Summary
Nipple up Bops Torque Bolts Rig Up Run Gyro Rig up Testers Start Testing BOPS Welder Build Flowline HCR Valve Will Come From Casper Be Here @ Rig 12 Today Will Change IBOP on Top Drive

Operations Next Report Period

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	14	Raise V-Door Ramp & set pipe racks.	1,093.0	1,093.0
07:00	7.00	8.00	14	Continue Nipple up BOP. Finished installing Choke Line extensions & hook -up Choke Line. Tighten all bolts on BOP & related equipment with Cameron Torque Wrench. Hook up hydraulic control lines to BOP & function test same. Install Kill Line & Emergency Kill Line. Offline Work: Unloaded 122 Jts of 9-5/8" 47 ppf HCP-110 BTC Casing. Rack, drift, strap & cleaned same.	1,093.0	1,093.0
14:00	2.00	10.00	10	Held PJSM. Rig up Vaughn Energy Services Slickline Unit & Gyro equipment. RIH with Gyro inside 13-3/8" Casing to 1015' MD. POOH. Rig Down Gyro & Slickline equipment. Maximum Inclination 0.318°.	1,093.0	1,093.0
16:00	3.00	13.00	14	Install 7 1/16 Flange to Orbit Valve so Welder can Take Measurement to Build Flowline and Lay Down Casing Bells and Elevators Rig up Chickson and Low Torque Valve	1,093.0	1,093.0
19:00	1.50	14.50	14	PJSW With Cameron and Rig Welders on Testing Bops and Rig up Cameron Testers Set Test Plug and Fill Stack	1,093.0	1,093.0
20:30	1.00	15.50	15	Test Lower Pipe Rams and TIW 250 Low For 5 Mins and 5000 High For 10 Mins	1,093.0	1,093.0
21:30	0.50	16.00	15	Test Upper Pipe Rams and Kill Line Manual Vave 250 Low For 5 Mins and 5000 High For 10 Mins	1,093.0	1,093.0
22:00	1.00	17.00	8	Work on Koomey Unit and Hydraulic Leak on 1" Fittings and Sync up HPI	1,093.0	1,093.0
23:00	1.50	18.50	15	Test IBOP and HCR Test Failed Will Change HCR and IBOP	1,093.0	1,093.0
00:30	1.25	19.75	15	Flush Outside Kill Line and Test 250 Low For 5 Mins and 5000 High For 10 Mins	1,093.0	1,093.0
01:45	1.00	20.75	15	Test Halliburton HCR Valve and Inner Manifold Valve 250 Low For 5 Mins and 5000 High For 10 Mins	1,093.0	1,093.0
02:45	1.00	21.75	15	Attempt to Flush Out HCR Valve and Retest HCR, Failed.	1,093.0	1,093.0
03:45	0.50	22.25	15	Test Super Choke to 250 Low For 5 Mins and 5000 High For 10 Mins	1,093.0	1,093.0
04:15	0.50	22.75	15	Test Rig Choke 250 Low For 5 Mins and 5000 High For 10 Mins	1,093.0	1,093.0
04:45	1.25	24.00	15	Fill Surface Lines and Test Back to Mud Pumps 250 Low For 5 Mins and 4000 High For 10 Mins	1,093.0	1,093.0

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

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/7/2014
Report #: 13, DFS: 5.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/8/2014
Report #: 14, DFS: 6.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/7/2014 06:00	2/8/2014 06:00	6.58	1,093.0	1,093.0	0.00

Operations at Report Time
Pick up Hammer Bit and Hammer and MWD Tools Fit Flowline and Welder Weld up 10" Flowline

Operations Summary
Testing BOPS Change out HCR Valve and IBOP on Top Drive Change Swivel Packing Change Oring on Hammer Union Test Blinds Rams Test Casing Rig Down Cameron Testers Set Wear Bushing Install Trun Buckles on Stack Install Flowline Welder Fit Flowline Pick up Hammer Bit and BHA

Operations Next Report Period

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.50	1.50	8	Attempted to test 4" HP Lines from Rig Floor to Mud Pumps. O-Ring on Stand-pipe Manifold leaking. Change out same. Swivel Packing also leaking.	1,093.0	1,093.0
07:30	2.50	4.00	15	Continue Testing BOP's: Tested Annular BOP to 250/4000 psi. Back out drill pipe from Test Plug. Test Blind Rams to 250/5000 psi. Remove Franks 18' elevator bails & elevators from Rig Floor.	1,093.0	1,093.0
10:00	4.00	8.00	8	Change out Lower IBOP on TDS & change out Swivel Packing.	1,093.0	1,093.0
14:00	3.00	11.00	8	Change out HCR Valve on Choke Line.	1,093.0	1,093.0
17:00	1.00	12.00	15	Test Lower IBOP to 250/5000 psi - Good Test. Test Choke Line HCR Valve to 250/5000 psi - Good Test.	1,093.0	1,093.0
18:00	1.00	13.00	15	Test Blinds Rams 250 Low For 5 Mins and 5000 High For 10 Mins.	1,093.0	1,093.0
19:00	0.50	13.50	15	Test 13 3/8 Casing 250 Low and 1500 High For 30 Mins. Good test.	1,093.0	1,093.0
19:30	1.00	14.50	23	Rig Down Cameron Testers and Lay Down Test Plug. Install Wear Bushing.	1,093.0	1,093.0
20:30	2.50	17.00	14	Install Turn Buckles on Stack and Blow out 4" Mud Lines. Install Mouse Hole and Line up Choke Manifold.	1,093.0	1,093.0
23:00	3.00	20.00	23	Bolt up 10" Flowline to Shaker Header. Attempt to Bolt up to Rotating Head. Angle of Flowline not in alignment with Rotating Head.	1,093.0	1,093.0
02:00	4.00	24.00	23	Welder Fitting Flowline to Rotating Head. While waiting on Welder to re-fit Flowline we picked up the Air Hammer and MWD Tools. Start up Northwestern Air Compressors. Clean up Rig Floor and pick up all Tools around BOPS.	1,093.0	1,093.0

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/9/2014
Report #: 15, DFS: 7.58
Daily Depth Progress: 1,157.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/8/2014 06:00	2/9/2014 06:00	7.58	1,093.0	2,250.0	1,157.00

Operations at Report Time
Drilling with Air Hammer and Survey ever 100 Feet

Operations Summary
Rig up Flowline and Hook up Air Lines to Flowline Rig up Hoses to Trip Tank Rig up Rig Tarps Function Test Air Hammer TIH Install Rotating Head Drill Cement Clean out Flowline and Tighten up Orbit Valve and Rotating Head Drill out Float Collar and Shoe and Drill New Hole Survey every 100 Feet

Operations Next Report Period
Drilling

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.00	3.00	1	Finish modifications to Flowline. Rig up Hoses to Trip Tank and Hook up 2" Hoses to Flowline for Air Drilling. Hammer up 10" Flanges on Flowline.	1,093.0	1,093.0
09:00	0.50	3.50	23	Function Test NUMA Air Hammer.	1,093.0	1,093.0
09:30	1.50	5.00	6	Finish M/U 12-1/4" BHA.	1,093.0	1,093.0
11:00	1.00	6.00	23	Install Halliburton Rotating Head and remove Surface Rotating Head Rubber From Drill Pipe.	1,093.0	1,093.0
12:00	0.50	6.50	6	Trip in Hole From 540 to 1044 Tag Cement @ 1021'.	1,093.0	1,093.0
12:30	1.00	7.50	5	Blow water from Hole with 3600 SCFM. Tighten up Bolts on Flowline, Oribt Valve and Rotating Head.	1,093.0	1,093.0
13:30	1.50	9.00	2	Drill Cement from 1021' down to Float Collar @ 1045'. Drill out 13-3/8" Shoe Track and Shoe from 1045' to 1093'.	1,093.0	1,093.0
15:00	1.00	10.00	5	Flowline packed off with Cement Cuttings. Clean out Flowline. Circ Hole Clean and Blow Down Hole Dry @ 1093'. Clean out Flowline Prepare to Dry Drill.	1,093.0	1,093.0
16:00	2.00	12.00	2	Drill with Air Hammer from 1093' to1178'. Pumping 5 Gal Rock Oil every Hr and(2400 CFM) PSI 298	1,093.0	1,178.0
18:00	1.25	13.25	2	Drill with Air Hammer From 1178' to 1306'. Pump 5 Gal Rock Oil every Hr and(2400 CFM) PSI 289	1,178.0	1,306.0
19:15	0.75	14.00	5	Clean out Flow Line.	1,306.0	1,306.0
20:00	0.50	14.50	2	Drill with Air Hammer from 1306' to1366'. Pump 5 Gal Rock Oil every Hr and (2400 CFM) PSI 289	1,306.0	1,366.0
20:30	1.00	15.50	10	Extreme's EM Directional Tool not generating surveys. Trouble Shooting MWD Tools. Hole to DRY to get a Survey.	1,366.0	1,366.0
21:30	8.50	24.00	2	Drill 12-1/4" Hole with Air Hammer from 1366' to 2250'. Pump 5 Gal Rock Oil every Hr and (2400 CFM) PSI 325	1,366.0	2,250.0

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 (%)
1,093.0	3,490.0	2,397.00	2/8/2014 12:30	2/10/2014 06:00	30.50	78.6	30.50			100.00

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/9/2014
Report #: 15, DFS: 7.58
Daily Depth Progress: 1,157.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/10/2014
Report #: 16, DFS: 8.58
Daily Depth Progress: 1,240.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/9/2014 06:00	2/10/2014 06:00	8.58	2,250.0	3,490.0	1,240.00

Operations at Report Time
Drilling 12.25 Hole With Air Hammer and Survey ever 100 Feet

Operations Summary
Drilling 12.25 Hole With Air Hammer and Survey every 100 Feet Stop Drilling and Work on ZECO Unable to Keep up Overloading the Solids Control Equipment Vac Trucks Hauling 120 BBLS Hr Water to Well 13-1 Open Pit

Operations Next Report Period
Drilling

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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	Hammer Drill 12-1/4" Hole (Air Dust) from 2250' to 2323'. WOB = 4-6K RPM = 30 with 1.5 to 1.7KFt-Lbs Torque Air Rate @ 2400 SCFM with 325 psi DPP. Pumping 5 gph Rock-oil to lub Hammer.	2,250.0	2,325.0
06:30	1.00	1.50	5	Circulate to clean hole. Increase Air Rate to 3600 SCFM w/370 psi DPP. Line up & route returns through the Mathena Shale-Gas Separator.	2,325.0	2,325.0
07:30	2.50	4.00	2	Hammer Drill 12-1/4" Hole (Air Mist) from 2323' to 2656'. WOB = 4-6K RPM = 30 with 1.7 to 2.6KFt-Lbs Torque Air Rate @ 3600 SCFM with 360 to 430 psi DPP. Mist Volume @ 20 bph + 5 gpm Soap + 2 gpm CI + 2 gpm Shale Treat. Note: Hole started making water @ +/- 2600'.	2,325.0	2,656.0
10:00	3.00	7.00	5	Stop Drilling @ 2656'. Circulate & work pipe. ZECO unable to keep up. Overloading the Solids Control Equipment with drill cuttings. The Shale Cuttings Tank by the Shakers filled up with drill cuttings, water & foam. The Cuttings Dryer plugged off. ZECO's sump pump would not suck. Unplugged Cuttings Dryer, cleaned out all Shale Cuttings Tanks & loaded drilling cutting into dump trucks for disposal.	2,656.0	2,656.0
13:00	5.00	12.00	2	Hammer Drill 12-1/4" Hole (Air Mist) from 2656' to 2965'. WOB = 4-6K RPM = 30 with 1.7 to 2.6KFt-Lbs Torque Air Rate @ 3600 SCFM with 360 to 430 psi DPP. Mist Volume @ 20 bph + 5 gpm Soap + 2 gpm CI + 2 gpm Shale Treat.	2,656.0	2,965.0
18:00	0.50	12.50	9	Rig Service. Nabors-CanRig Technicians check out Top-Drive Control Panel.	2,965.0	2,965.0
18:30	10.75	23.25	2	Hammer Drill 12-1/4" Hole (Air Mist) from 2965' to 3490'. WOB = 4-8K RPM = 30 with 1.7 to 2.6KFt-Lbs Torque Air Rate @ 3600 SCFM with 275 to 360 psi DPP. Mist Volume @ 20 bph + 5 gpm Soap + 3 gpm CI + 2 gpm Shale Treat.	2,965.0	3,490.0
05:15	0.75	24.00	8	Stop drilling. Northwestern Air Services Mist Pump not pumping. Rotate Drill String while repairing Mist Pump.	3,490.0	3,490.0

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

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/10/2014
Report #: 16, DFS: 8.58
Daily Depth Progress: 1,240.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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 (%)
1,093.0	3,490.0	2,397.00	2/8/2014 12:30	2/10/2014 06:00	30.50	78.6	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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/11/2014
Report #: 17, DFS: 9.58
Daily Depth Progress: 183.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/10/2014 06:00	2/11/2014 06:00	9.58	3,490.0	3,673.0	183.00

Operations at Report Time
Drilling 12.25 Hole With Air Hammer and Survey every 100 Feet

Operations Summary
Work on Northwestern Mist Pump Work Tight Hole From 3487 to 3469 Try Pump Bit Was Plug Pump 310 bbl Down Back Side Trip out Hole Clean Out MWD Tools and Hammer Change out Air Hammer TIH Blow Down Well @ 3456 Wash to Bottom and Drill From 3490

Operations Next Report Period
Drilling

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.50	1.50	22	While waiting on NW Air Services to repair their Mist Pump the hole became tight with an extreme increase inTorque & Drag. Unable to reciprocate the drill string but could still rotate. At this point in time it was discovered that the NW Air Supervisor had TURNED OFF the air going downhole & did not tell anyone. We then started pumping down the drill pipe with water from active pits with the rig pumps. DP pressure increased to +/- 3750 psi indicating that the drill string was plugged. Bled off Surface Pressure. Backed-reamed up from 3487' to 3469'.	3,490.0	3,490.0
07:30	0.50	2.00	6	POOH to 3186' with no problems.	3,490.0	3,490.0
08:00	1.00	3.00	5	Attempt to clear drill string by pumping 3600 SCFM + 3 bpm water down the drill string. DPP increased to +/- 1900 psi with no returns observed at Surface. Bled off all Surface Pressure.	3,490.0	3,490.0
09:00	1.00	4.00	5	Pumped 310 bbls water down backside.	3,490.0	3,490.0
10:00	2.00	6.00	6	POOH from 3186' to the top of MWD Tool with no problems (Pumped 35 bph of water down backside while POOH).	3,490.0	3,490.0
12:00	0.25	6.25	9	Replace Gripper Dies on TDS Pipe Handler.	3,490.0	3,490.0
12:15	3.75	10.00	6	Pulled Extreme EM Survey Tool (Missing two Stabilizers from the Survey Tool). Break off Hammer Bit (Bit in good condition). Observed that the Hammer, Bit Sub & Shock-sub was plugged with drill cuttings. L/D Bit Sub & 8" Shock-sub. Washed out the 8" Non-mag DC with water & checked ID of same -OK. Unplug Bit Sub & Shock-sub. Recovered the two Stabilizer Sleeves that were missing from the EM Survey Tool (They were stuck inside the 8" Shock-sub). Washed out Bit Sub & Shock-sub with water & checked ID of same -OK. Note: Pumped a total of 550 bbl of Fresh Water down backside.	3,490.0	3,490.0
16:00	3.50	13.50	6	M/U 12.25" Hammer Assembly -- BHA #4: Bit #4RR + Fresh 10.75" Patriot -125 Air Hammer, Bit Sub, 8" Shock-sub, 8" NMDC, EM Tool, 8" NMDC, 3 x 8" Steel DC, XO, 6 x 6-1/4" DC, Jars, 5 x 6-1/4" DC, 21 x 4.5" HWDP. Tested Air Hammer & EM Tool.	3,490.0	3,490.0
19:30	0.50	14.00	23	Install Rotating Head	3,490.0	3,490.0
20:00	1.50	15.50	6	Trip in Hole with Air Hammer and 12.25 Bit From 1177 to 3456	3,490.0	3,490.0
21:30	1.50	17.00	5	Rig up Northwestern Air @ 3456'. Blow Well Down @ Rate (1200 CFM) with 750 PSI Gain 450 BBLS Water Back to Surface.	3,490.0	3,490.0
23:00	0.50	17.50	5	Wash and Ream with 12.25" Bit and Air Hammer From 3456' to 3490' @ Rate (3600 CFM) with 450 PSI.	3,490.0	3,490.0
23:30	6.00	23.50	2	Hammer Drill 12.25" Hole (Air Mist From 3490 to 3673. WOB 4 - 8K RPM 30 Torque 4200 Air Rate (4800 CFM) with 550 PSI DPP Mist Volume @ 25 gpm, Soap 3 gpm, CI 2 gpm, 2 GPM ShaleTreat.	3,490.0	3,673.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/11/2014
Report #: 17, DFS: 9.58
Daily Depth Progress: 183.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
05:30	0.50	24.00	6	Trip out Hole with 10 Stds Flowline Wash Out Call Weld on Way From Moab	3,673.0	3,673.0

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 (%)
1,093.0	3,490.0	2,397.00	2/8/2014 12:30	2/10/2014 06:00	30.50	78.6	30.50			100.00
3,490.0	4,573.0	1,083.00	2/10/2014 21:30	2/12/2014 12:15	26.50	40.9	26.50			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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/12/2014
Report #: 18, DFS: 10.58
Daily Depth Progress: 751.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/11/2014 06:00	2/12/2014 06:00	10.58	3,673.0	4,424.0	751.00

Operations at Report Time
Drilling 12.25 Hole With Air Hammer and Survey every 100 Feet

Operations Summary
Trip out Hole 10 Stds Wait on Welder From Moab Welder Fixed Wash out on Flowline Trip in Hole With 10 Stds to 3643 Rig up Northwestern Air. Blow Down Well @ Rate (3600 CFM) Dpp 575. Wash to Bottom From 3643' to 3673'. Drill 12.25" Hole w/ Air Hammer to 4424'.

Operations Next Report Period
Run Casing & Cement

Weather	Wellbore
	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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	Finish POOH to 2806' (10 Stds) with no problems.	3,673.0	3,673.0
06:30	0.50	1.00	22	Wait on Welder to arrive on location to weld up hole in Flowline that was washed out while Air Drilling.	3,673.0	3,673.0
07:00	3.00	4.00	22	Rig Welder welded up hole in Flowline & install double steel plates around washed out area on the Flowline.	3,673.0	3,673.0
10:00	1.00	5.00	6	Held PJSM. TIH to 3643' with no problems.	3,673.0	3,673.0
11:00	1.25	6.25	5	Start injecting air down DP & stage up rate to 3600 SCFM w/575 psi. Blowed water from Hole. Gained +/- 200 bbls of water back to Surface. Precautionary Wash down to bottom @ 3673'.	3,673.0	3,673.0
12:15	17.75	24.00	2	Hammer Drill 12-1/4" Hole (Air-Mist-Foam) from 3673' to 4424'. WOB = 4-8K RPM = 30 with 2 to 12.5KFt-Lbs Torque Air Rate @ 4800 SCFM with 540 - 600 psi DPP. Mist Volume @ 20 bph + 5 gph Soap + 2 gph CI + 2 gph Shale Treat + 5 gph Hammer Oil.	3,673.0	4,424.0

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 (%)
3,490.0	4,573.0	1,083.00	2/10/2014 21:30	2/12/2014 12:15	26.50	40.9	26.50			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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/13/2014
Report #: 19, DFS: 11.58
Daily Depth Progress: 149.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/12/2014 06:00	2/13/2014 06:00	11.58	4,424.0	4,573.0	149.00

Operations at Report Time
Prep Rig Floor For 9-5/8 Casing And Casing Running Equipment.

Operations Summary
We drilled to 4573'. We are in Salt # 2. We saw salt in the samples while drilling with air and fresh water. Background gas was 7-10 units. We saw a 51 unit show from Black Shale in Clastic # 1 at 4481'. The last sample, from 4550-4573' was 50% Salt, 30 % Anhydrite and 20% Black Shale.

Operations Next Report Period
Test B.O.P.

Weather	Wellbore
	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.75	2.75	2	Hammer Drill 12-1/4" Hole (Air-Mist-Foam) from 4424' to 4573' (9-5/8" Casing Point). WOB = 4-8K RPM = 30 with 2 to 12.5KFt-Lbs Torque Air Rate @ 4800 SCFM with 540 - 600 psi DPP. Mist Volume @ 20 bph + 5 gph Soap + 2 gph CI + 2 gph Shale Treat + 5 gph Hammer Oil.	4,424.0	4,573.0
08:45	0.75	3.50	5	Blow hole clean with 4800 SCFM from 4573'.	4,573.0	4,573.0
09:30	0.50	4.00	6	POOH to 4000' with no problems.	4,573.0	4,573.0
10:00	2.25	6.25	5	Pumped 900 bbls water down Drill Pipe. No returns to Surface. NOTE: Informed Jeff Brown with the BLM of upcoming Casing & Cement Job.	4,573.0	4,573.0
12:15	4.75	11.00	6	Trip out Hole From 4000 to Surface. L/D MWD Tools, Air Hammer, 12.25 Hammer Bit & Load out Hammer Equipment.	4,573.0	4,573.0
17:00	5.50	16.50	6	Clean up Rig Floor and Hold PJSM. Make up 12.25 Hughes Bit. Trip in Hole From Surface to 4573'. Tag Bottom.	4,573.0	4,573.0
22:30	1.00	17.50	5	Pump 20 bbls of Water & Spot 80 bbls High Vis Mud on bottom. No Returns to Surface.	4,573.0	4,573.0
23:30	5.00	22.50	6	POOH F/ 4,573' Lay Down BHA And 8" Drill Collars (POOH WIth No Problems)	4,573.0	4,573.0
04:30	1.50	24.00	23	Remove Ware Bushing And Installed Trip Nipple.	4,573.0	4,573.0

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 (%)
3,490.0	4,573.0	1,083.00	2/10/2014 21:30	2/12/2014 12:15	26.50	40.9	26.50			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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/14/2014
Report #: 20, DFS: 12.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/13/2014 06:00	2/14/2014 06:00	12.58	4,573.0	4,573.0	0.00

Operations at Report Time
Rigging Down Hilliburton Cement Equipment.

Operations Summary
Ran 9-5/8 Casing Shoe is @ 4,565', Rigged Casing CRT Tools Down, Rigged Up Halliburton Cementers Pumped Primary cement, W.O.C 4hrs. Set Pack off tested T/ 5000 psi, Rigged up cement line to lower casing valve and Pumped Top Out Cement, (Pumped 220 Bbls of 12.8 ppg Cement, Pump Pressure came up T/ 600 psi Flushed Lines And Pressured Tested T/ 1199 psi for 20 min. lost 551 psi)

Operations Next Report Period
Trips

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	12	Finish installing Trip Nipple on top of Rotating Head Bowl.	4,573.0	4,573.0
06:30	1.75	2.25	12	Held PJSM with Drill Crew and B & L Casing Services regarding Casing Running Operations. Change out Elevator Bales on TDS. Install Volant CRT to Top-Drive & R/U 9-5/8" Casing Running Equipment.	4,573.0	4,573.0
08:15	0.75	3.00	12	Pick up CIW 9-5/8" Casing Hanger Assembly + Landing Joint. RIH with same & land-out in Wellhead. Cameron Wellhead Hand verified that the Hanger had properly landed out in "A" Section Wellhead. Marked Landing Joint at Rotary Table level. Pull & L/D Hanger Assembly.	4,573.0	4,573.0
09:00	8.00	11.00	12	M/U 9-5/8" Casing Shoe Track (1 Jt Shoe Track). Pump through & check Float equipment-OK. Continue running 9-5/8" 47# HCP-110 BTC Casing to 4532' (114 Jts + 1 x 20' Pup Jt). M/U 9-5/8" Casing Hanger Assembly. Slack-off & Land 7" Casing on Hanger (Shoe @ 4565').	4,573.0	4,573.0
17:00	1.00	12.00	5	Pumped 600 bbl Fresh Water @ 10 bpm down the Casing (1.8 Casing Vol). No returns observed at surface.	4,573.0	4,573.0
18:00	1.00	13.00	12	R/D CRT and Casing Equipment.	4,573.0	4,573.0
19:00	4.00	17.00	12	Held PJSM with Halliburton Cement Crew & Rig Personal. R/U Cement Head & Lines. Pump 1st Stage Cement Job as follows: Pressure Test Lines to 4000 psi. Pump 10 bbls Fresh Water + 46 bbls SwiftCem Tail Cement (135 sks) mixed @ 13 ppg - yield 2.02 cft/sk. Drop Top Plug. Displace with 331 bbls Fresh Water. Bump Plug on schedule with 600 psi. CIP @ 23:00 Hrs on February 13, 2014. Checked Floats (Held) / No returns observed at Surface.	4,573.0	4,573.0
23:00	1.00	18.00	13	R/D Halliburton Cement Head and related equipment.	4,573.0	4,573.0
00:00	2.00	20.00	13	Back-out & L/D the 9-5/8" Casing Landing Jt. Change out Elevator Bales. Remove excess Casing Equipment from Rig Floor.	4,573.0	4,573.0
02:00	1.00	21.00	13	Install CIW 9-5/8" Pack-off Bushing & test to 5000 psi for 15 minutes. Test was API.	4,573.0	4,573.0
03:00	3.00	24.00	12	Held PJSM with Halliburton. R/U 2" Chicksan lines to Wellhead & install on the 9-5/8" x 13-3/8" Annulus Valve. Test lines to 3000 psi. Pump Top-out Cement Job as follows: Pump 10 bbls Fresh Water + 20 bbl Super Flush- + 220 bbls ReversCem (588 sks) mixed @ 12.8 ppg - yield 2.1 cft/sk CIP @ 04:50 Hrs on February 14, 2014	4,573.0	4,573.0

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/14/2014
Report #: 20, DFS: 12.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/15/2014
Report #: 21, DFS: 13.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/14/2014 06:00	2/15/2014 06:00	13.58	4,573.0	4,573.0	0.00

Operations at Report Time
Casing Test To 6600 psi

Operations Summary
Rig Down Cement Equipment, Northwestern Air,Changed Top Rams to 4-1/2 to 7" VBR's, Test Bop's, Choke Manifold, Ext. Halliburton MPD Equipment, Rig up to test casing.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	1.00	1.00	12	Finish R/D Halliburton Cement Lines & related equipment.	4,573.0	4,573.0
07:00	5.00	6.00	13	R/D Northwestern Air Services Bulk Air Lines & Air Distribution Manifold on Rig Floor. R/D Mathena Shale-Gas Separator. Spot Halliburton MPD Equipment. Load out and demob Northwestern Air Services Bulk Air Compressors & related equipment (Stacked-out their equipment on the 13-1 location).	4,573.0	4,573.0
12:00	6.00	12.00	22	Nipple-up Halliburton MPD Lines & related equipment. Change out Top Drill Pipe Rams to 4.5" x 7" VBR's.	4,573.0	4,573.0
18:00	12.00	24.00	15	P.J.S.M. With Cameron Testers Test Bop's Rams 250 psi low 5 min. 10,000 psi High 10 min. Hydrill 250 low 5,000 psi High, Test Choke Manifold 250 low 10,000 High, Back To Mud Pump's 250 low 4,500 High, Top Drive 250 low 4,500 High, Aux Kill Line 250 low 10,000 psi High Halliburton MPD 250 low 4,000 High.	4,573.0	4,573.0

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/16/2014
Report #: 22, DFS: 14.58
Daily Depth Progress: 17.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/15/2014 06:00	2/16/2014 06:00	14.58	4,573.0	4,590.0	17.00

Operations at Report Time
POOH To Lay Out BHA

Operations Summary
PerForm Casing Test T/ 6600 psi, Finished Testing MPD Equipment, Replaced Saver,Lay out 4 stands 6" Drill Collars, Make Up BHA Trip in hole Drill Shoe Track, Fit Didn't Hold, Pulling Out Of Hole

Operations Next Report Period
Squeeze Cement

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

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	Continue Testing BOP: Test 9-5/8" Casing against Blind Rams to 6600 psi for 30 minutes - Good Test. Replace Lower IBOP on TDS & retest to 250/5000 psi.	4,573.0	4,573.0
09:00	1.50	4.50	15	Install Wear Bushing in Wellhead. L/D WB Running Tool & 4.5" DP Landing Joint. Finish installing Halliburton MPD Isolation Valve (It was leaking. Halliburton took it apart, inspected, greased & reassembled same).	4,573.0	4,573.0
10:30	1.50	6.00	15	Retest Halliburton's MPD Isolation Valve to 4000 psi - Good Test. R/D Cameron BOP Test Equipment.	4,573.0	4,573.0
12:00	1.00	7.00	6	TIH with 4 stands of 6.5" Drill Collars from derrick.	4,573.0	4,573.0
13:00	0.50	7.50	9	Service Rig.	4,573.0	4,573.0
13:30	1.50	9.00	6	POOH. L/D 11 x 6.5" Drill Collars & 1 set of Drilling Jars.	4,573.0	4,573.0
15:00	4.00	13.00	20	P.J.S.M. With Pathfinder Make up Bit , Motor Scribe Tool, Install MWD and test Tool's (5 Blade PDC, 6.75 Mud Motor, String Stabilizer, Float Sub, 6.75 DPM, Collar, XO Sub, Flex Collar, Non-Mag Flex Collar, Push Pipe 2774.89' 4.5 DP, HWDP.)	4,573.0	4,573.0
19:00	3.50	16.50	6	Trip In Hole With BHA T/ 3,546'	4,573.0	4,573.0
22:30	1.50	18.00	21	P.J.S.M. Cut And Slip 118' Of Drill Line.	4,573.0	4,573.0
00:00	0.50	18.50	6	Continue Trip In Hole Tag Cement @ 4,519'	4,573.0	4,573.0
00:30	1.00	19.50	23	Drill Shoe Track And New Formation F/ 4,519' T/ 4,595' (Spot Pill On Back Side)	4,573.0	4,595.0
01:30	1.00	20.50	22	Attempt To FIT Test For 18.0 EMW Line Up On Back Side Pressure Up T 2300 psi Pressure Drop Off T/ 1580 psi with in 10 min, Check All Surface Lines For Leaks No Leaks Repeated Test Few More Times Pressure keeps falling Back To 1580 to 1600 psi With In 10 min.	4,595.0	4,595.0
02:30	3.50	24.00	6	Call For Cement POOH For Squeeze Job.	4,595.0	4,595.0

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 (%)
4,573.0	4,595.0	17.00	2/16/2014 00:30	2/19/2014 06:00	1.00	17.0	1.00			100.00

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/16/2014
Report #: 22, DFS: 14.58
Daily Depth Progress: 17.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/17/2014
Report #: 23, DFS: 15.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/16/2014 06:00	2/17/2014 06:00	15.58	4,590.0	4,590.0	0.00

Operations at Report Time
Holding Pressure on Squeezed Cement

Operations Summary
Laid Out Directional BHA, Trip In Hole With 4.5 Drill Pipe T/ 4590 Circ. hole Clean, Waited On Cementers, until 18:20, Repaired Flow Line, Squeezed Cement,

Operations Next Report Period
Trips

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	6	Finish POOH. Rack MWD & NMDC in derrick. L/D Bit & Mud-motor.	4,595.0	4,595.0
08:00	3.75	5.75	6	TIH with 4.5" Open-ended Drill Pipe to 4585' (Picked up 34 Jts of 4.5" DP).	4,595.0	4,595.0
11:45	1.00	6.75	5	Break circulation. Stage up flow rate to 390 gpm w/445 psi DPP. Wash down & tag bottom @ 4595'. Increase flow rate to 604 gpm w/775 psi DPP. Circulate hole clean. Moderate amount of cuttings observed on bottoms-up.	4,595.0	4,595.0
12:45	0.75	7.50	6	POOH to 3827' (8 Std). Install Drill String IBOP. TIH to 4494'.	4,595.0	4,595.0
13:30	5.00	12.50	22	Monitor the Well on Trip Tank while waiting on Halliburton Cementers to arrive on location (Halliburton Cementers arrived on location @ 18:20 hrs).	4,595.0	4,595.0
18:30	1.50	14.00	18	P.J.S.M With Halliburton, Rig Up Cement Equipment.	4,595.0	4,594.0
20:00	4.00	18.00	8	Attempt To Circulate Bottom's Up Flow Line Came Apart and Cracked Weld Next To The Orbit Valve Flange, Put Flow Line Back Together and Re-Weld The Flow line Back to flange.(Let Weld Cool For 30 min.)	4,595.0	4,595.0
00:00	0.50	18.50	5	Wash Down Stand And Circulate and Condition Hole. With 445 GMP	4,595.0	4,595.0
00:30	0.50	19.00	18	Install TIW Valve Pump in Sub, Rig Up Steel Lines Break Circulation And Test Lines T/ 4000 psi, Close Top Pipe Rams and Check Injection Rate (Pumped 3.2 bbl's @ .5 bpm Pressure Came up T/ 2240 psi and dropped T/ 1800 Psi with in 5 min.)	4,595.0	4,595.0
01:00	1.00	20.00	18	Mix Up Squeeze Cement @ 14.0 ppg pump 36.6 bbl's, And Displace 53 bbl's of fresh Water @ 4,590'	4,595.0	4,595.0
02:00	0.50	20.50	6	Rig Down Cement lines and TIW POOH 8 Stands F/ 4,590' T/4,095' Brake out I BOP and Install Wiper Ball. (Pulled Dry)	4,595.0	4,595.0
02:30	0.50	21.00	5	Make up Top Drive and Circulate 3000 Stks @ 170 SPM While Rotating 10 RPM'S	4,595.0	4,595.0
03:00	0.50	21.50	18	Brake Out Top Drive and Install TIW. And Pump in Sub and Squeeze 7 bbl's @ .5 BPM and Hold Squeeze Pressure @ 2300 psi	4,595.0	4,595.0
03:30	2.50	24.00	18	Hold Squeeze Pressure on Cement For Six Hours Starting From 3:30 A.M.	4,595.0	4,595.0

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 (%)
4,573.0	4,595.0	17.00	2/16/2014 00:30	2/19/2014 06:00	1.00	17.0	1.00			100.00

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/17/2014
Report #: 23, DFS: 15.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/18/2014
Report #: 24, DFS: 16.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/17/2014 06:00	2/18/2014 06:00	16.58	4,590.0	4,590.0	0.00

Operations at Report Time
Tansfering Water Out Of Pits For Clean Out

Operations Summary
Held Squeeze pressure on cement until 15:30, POOH, Trip In Hole Dressed Cement Down T/ 4,520, WOC 8 hrs , Drilled Cement and Shoe Track , Circulated Hole Clean, FIT Test, Repair To Clean Mud Tanks.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.50	3.50	18	Hold Cement Squeeze. Final squeeze pressure = 1993 psi. At 09:15 Hrs, Halliburton bled-off all pressure on wellbore. Bleed-back volume = 2.25 bbl. Squeezed +/- 5 bbl cement into formation. R/D Halliburton Cementers.	4,595.0	4,595.0
09:30	0.50	4.00	5	Circulate Bottom's Up.	4,595.0	4,595.0
10:00	2.00	6.00	6	Trip Out Of hole F/ 4,095'	4,595.0	4,595.0
12:00	1.00	7.00	6	Make up Bit, Bit Sub and 6 x 6.5" Drill Collars.	4,595.0	4,595.0
13:00	0.50	7.50	7	Service Rig and Top Drive.	4,595.0	4,595.0
13:30	2.00	9.50	6	Trip In Hole With 17 Stands of HWDP + 22 Stands Of Drill Pipe T/ 3,842'	4,595.0	4,595.0
15:30	0.50	10.00	5	Circulate Displacement 77 Bbl's	4,595.0	4,595.0
16:00	3.00	13.00	3	Wash and Ream Down F/ 3,842' Tag Cement @ 4,219' Drill Cement T/ 4,520'	4,595.0	4,595.0
19:00	0.50	13.50	5	Circulate Sweep Around To Clean Hole.	4,595.0	4,595.0
19:30	8.00	21.50	13	Waiting On Cement.	4,595.0	4,595.0
03:30	0.50	22.00	23	Drill Squeezed Cement F/ 4,520' T/ 4,570'	4,595.0	4,595.0
04:00	1.00	23.00	5	Circulate Hole Clean With 4200 Stks and Spot 30 bbl Pill Of Hihg Vis Sweep	4,590.0	4,590.0
05:00	0.50	23.50	22	Line Up On Kill Line and Perform FIT Test T/ 2300 Psi Test Good (18.0 EMW)	4,595.0	4,595.0
05:30	0.50	24.00	5	Drill F/ 4,570' T/ 4,580' Make Room For Mud Motor, Circulate Hole Clean and Prepare to transfer Water out of pits to the 400 Bbl Slop Tank.	4,595.0	4,595.0

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 (%)
4,573.0	4,595.0	17.00	2/16/2014 00:30	2/19/2014 06:00	1.00	17.0	1.00			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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/19/2014
Report #: 25, DFS: 17.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/18/2014 06:00	2/19/2014 06:00	17.58	4,595.0	4,595.0	0.00

Operations at Report Time

Operations Summary
Transfer water from Active Pits. Blow down all Surface lines with air. Clean Active Pits & all Surface Related Equipment(Tripped out of hole & M/U Directional BHA. TIH while cleaning pits). Installed Safety Chains on Flowline. Displace hole with 14.5# OBM. Circ & cond mud. Build volume.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Doug Long	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.50	2.50	22	Transfer Water out of Rig's Active Pits to 400 bbl Upright Tanks. Blow down Hard Lines From Mud Pump's thru Kill line MPD & Choke Manifold.	4,595.0	4,595.0
08:30	7.00	9.50	22	Clean Mud Pit System with Rhino Power Services. Cleaned out Active Pits (Two sections of the Active Pits were full of cuttings)Trip Tanks and Zeco equipment. Installed Safety Chains on Flow line, Assist Welder Cutting Grating On Mud Pit.	4,595.0	4,595.0
15:30	4.00	13.50	6	Trip Out of Hole with 28 Stands DP + 17 Stands HWDP. L/D 6 x 6.5" Drill Collars (Continue cleaning Active Pits & Surface Equipment while TOOH).	4,595.0	4,595.0
19:30	2.00	15.50	20	Make Up 8.5" Steerable Drilling Assembly (Test MWD with Water). Make Up Well Commander.	4,595.0	4,595.0
21:30	0.50	16.00	22	Blow down Mud Pump's, Kelly Hose, Top drive And Choke Manifold.	4,595.0	4,595.0
22:00	3.00	19.00	6	Trip In Hole with 8.5" Steerable Drilling Assembly on 4.5" DP to 4,580' (Finish Cleaning Tanks. Start Transferring OBM to Active Pit's @ 00:00). Pumped 50 bbl's of Diesel Spacer down Drill Pipe.	4,595.0	4,595.0
01:00	3.00	22.00	5	Blend & Condition Mud in Active Pits to 14.5 ppg (Mud from Tank Farm was 14.1 ppg).	4,595.0	4,595.0
04:00	1.50	23.50	5	Displace hole with 14.5 ppg OBM from 4,580'.	4,595.0	4,595.0
05:30	0.50	24.00	5	Circulate & condition Mud @ 4,580'. Build volume.	4,595.0	4,595.0

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 (%)
4,573.0	4,595.0	17.00	2/16/2014 00:30	2/19/2014 06:00	1.00	17.0	1.00			100.00
4,580.0	6,036.0	1,456.00	2/19/2014 06:00	2/21/2014 21:00	31.75	45.9	24.25	7.50	23.62	76.38

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/20/2014
Report #: 26, DFS: 18.58
Daily Depth Progress: 945.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/19/2014 06:00	2/20/2014 06:00	18.58	4,580.0	5,525.0	945.00

Operations at Report Time
Drilling 8.5 Hole Survey every 100 Feet

Operations Summary
Displace Well Over to 14.5 ppg Oilbase Mud Service Rig Function Test MPD SYNC upMWD Tools Wash to Bottom From 4580 to 4595 @ 4717 Max Gas 6497 Units with 20 Feet Flare Drilling From 4595 to 5525

Operations Next Report Period
Drilling

Weather	Wellbore
	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.25	2.25	5	Circulate & condition mud @ 4580'. Wt up mud to14.4 ppg. Build volume in Active Pit. Perform Flow Test through Halliburton MPD System. Installed Jetting Line on Flowline. Take Slow Pump Rates on both Mud Pumps.	4,595.0	4,595.0
08:15	0.50	2.75	5	MWD Tool not working. Cycle pumps & re-sync MWD Tool.	4,595.0	4,595.0
08:45	0.25	3.00	3	Clean out 8-1/2" Rathole from 4580' to 4595'.	4,595.0	4,595.0
09:00	1.50	4.50	2	Drilled 8-1/2" Vertical Section from 4595' to 4666'. WOB= 12-17K RPM= 50 + Mud Mtr. Total= 190 Torque= 3-5KFtLb GPM= 483 w/3520 psi (Diff Press = 350 psi) Mud Wt @ 14.4	4,595.0	4,665.0
10:30	1.25	5.75	20	Slide for Direction from 4666' to 4680' (TF 100° Magnetic). WOB = 17K, GPM = 483 w/3500 Note: Sliding to deviate away from the offset well (CCU 24-1H) to avoid any possible collision.	4,665.0	4,680.0
11:45	0.75	6.50	2	Drilled 8-1/2" Vertical Section from 4680' to 4717'. WOB= 14-17K RPM= 50 + Mud Mtr. Total= 190 Torque= 3-5KFtLb GPM= 483 w/3520 psi (Diff Press = 375 psi) Mud Wt @ 14.4	4,680.0	4,717.0
12:30	1.00	7.50	5	Circulate & Condition Mud @ 4717'. Observed hydrocarbon show in Clastic # 3 from 4693'-4710'. The gas climbed to 5920 Units. At this point mud returns were routed through the MPD & Gas Buster. Observed a 20' flare. Increased Mud Wt to 14.6 ppg. After we finished circulating, the Mud Pumps were shut-off & the Well was Shut-in. SICP = 240 psi. Formation EMW = 15.57 PPG	4,717.0	4,717.0
13:30	1.00	8.50	2	Drilled 8-1/2" Vertical Section from 4717' to 4760'. WOB= 14-17K RPM= 50 + Mud Mtr. Total= 190 Torque= 3-5KFtLb GPM= 483 w/3500 psi (Diff Press = 270-350 psi). Mud Wt @ 14.6, Halliburton MPD holding +/- 220 psi WHP (Holding 240 - 315 psi on connections). BGG = 2850 Units, ConnDrlg G = +/- 3600 Units, Flare: 0-2'.	4,717.0	4,760.0
14:30	1.00	9.50	20	Slide for Direction from 4760' to 4773' (TF 80° Magnetic). WOB = 17K, GPM = 483 w/3500 psi BOP Drill, Men in Position 75 Seconds.	4,760.0	4,773.0

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Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/20/2014
Report #: 26, DFS: 18.58
Daily Depth Progress: 945.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
15:30	2.50	12.00	2	Drilled 8-1/2" Vertical Section from 4773' to 4897'. WOB= 15-20K RPM= 50 + Mud Mtr. Total= 190 Torque= 3-5KFtLb GPM= 483 w/3500 psi (Diff Press = 260-350 psi). Mud Wt @ 14.6, Halliburton MPD holding +/- 220 psi WHP (Holding 240 - 315 psi on connections). BGG = 2850 Units, ConnDrlg G = 3600 Units, Flare: 0-2'.	4,773.0	4,897.0
18:00	3.00	15.00	2	Drilled 8-1/2" Vertical Section from 4897' to 5047 WOB= 15-20K RPM= 50 + Mud Mtr. Total= 190 Torque= 3-5KFtLb GPM= 483 w/3550 psi (Diff Press = 260-400 psi)	4,897.0	5,047.0
21:00	0.75	15.75	20	Slide Drill 8.5 Vertical Section From 5047 to 5059 WOB= 15-20 K Mud Mtr Total = 140 RPM GPM = 483 w/3500 psi (Diff Press = 260 to 400 psi	5,047.0	5,059.0
21:45	6.25	22.00	2	Drilling 8.5 Vertical Section From 5059 to 5445 WOB 12-20 K RPM=50 + Mud Mtr Total = 190 Torque= 3400 GPM= 475 w/3300 psi (Diff Press= 260 to 400 psi) Max Gas 2600 Units MPD Holding 215 psi ECD 15.8 ppg	5,059.0	5,445.0
04:00	0.50	22.50	20	Slide Drill 8.5 Vertical Section From 5445 to 5454 WOB 12 to 20 K Mud Mtr Total = 140 RPM GPM =483 w3500 psi (Diff Press = 260 to 400 psi) Holding 215 psi ECD 15.8 ppg	5,445.0	5,454.0
04:30	1.50	24.00	2	Drill 8.5 Vertical Section From 5454 to 5525 WOB 12 to 20 K RPM = 50 + Mud Mtr Total = 190 RPM Torque =3400 GPM =475 w3300 psi (Driff Press= 260 to 400 psi) Holding 215 psi on MPD ECD 15.8 ppg Max Gas 2200 Units	5,454.0	5,525.0

Mud Check: 4,890.0ftKB, 2/19/2014 18:00

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...
2/19/2014	4,890.0	14.50	50	26.0	14.000	11.000	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
					5.400				26.0		

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

Mud Check: 5,333.0ftKB, 2/20/2014 01:30

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...
2/20/2014	5,333.0	14.50	50	26.0	14.000	11.000	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
					5.400				26.0		

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	33.0		15.80	97.0	

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 (%)
4,573.0	4,595.0	17.00	2/16/2014 00:30	2/19/2014 06:00	1.00	17.0	1.00			100.00
4,580.0	6,036.0	1,456.00	2/19/2014 06:00	2/21/2014 21:00	31.75	45.9	24.25	7.50	23.62	76.38

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/21/2014
Report #: 27, DFS: 19.58
Daily Depth Progress: -162.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/20/2014 06:00	2/21/2014 06:00	19.58	5,525.0	5,363.0	-162.00

Operations at Report Time
Circ Bottom up @ 5540 and Cut Mud Wt From 15.8 ppg to 15.1 ppg Circ out Max Gas Units 6340

Operations Summary
Drill to 5563'. Trouble ShootHalliburtoon MPD Failure on Hydraulic Control System & HCR Valve Failure. Circ & Raise Mud wt F/14.5 ppg to 15.7 ppg Trip out Hole From 5563 to 4570 Change out Halliburton MPD Test Choke Panel and HCR to 3800 psi Trip in Hole From 4570 to 5540 Circ Bottom up @ 5540 and Cut Mud Wt From 15.8 ppg to 15.1 ppg Max Gas 6040 Unit Flare 20 Feet Mud Cut to 14.5 ppg.

Operations Next Report Period
Drilling

Weather	Wellbore
	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.25	0.25	2	Drilled 8-1/2" Vertical Section from 5525' to 5562'. WOB= 15-20K RPM= 50 + Mud Mtr. Total= 190 Torque= 3-5KFtLb GPM= 483 w/3500 psi (Diff Press = 260-350 psi). Mud Wt @ 14.6, Halliburton MPD holding +/- 220 psi WHP (Holding 240 - 400 psi on connections). BGG = 2850 Units, ConnDrlg G = 3600 Units, Flare: 0'.	5,525.0	5,562.0
06:15	3.75	4.00	5	Stop drilling @ 5563' & circulate while Trouble Shooting air supply going to Halliburton's MPD Choke Panel (Could not get enough air to properly operate the MPD Hydraulics). Traced out airline. Found airline was partially frozen. Replaced same. After this was done, the MPD Hydraulic System would not build up more than 600 psi (Normal Hydraulic operating pressure on MPD Hydraulics System is 1200 psi). Unable to hydraulically open or close the MPD Chokes. Trouble shoot MPD Hydraulic Control System. Found that the Accumulator that supplies hydraulic operating pressure to the MPD Chokes & HCR Valve had failed.	5,562.0	5,562.0
10:00	4.00	8.00	5	Decision made to weight up the Mud & drill ahead conventional without MPD. Circulate & weight up Active System from 14.6 ppg to 15.8 ppg. (The MPD Choke was 60% open while circulating. Manipulated Mud Pump flow rate to control ECD @ +/- 16 ppg). Background gas 2500 -3500 units while circulating.	5,562.0	5,562.0
14:00	0.50	8.50	5	Stop circulating & Shut-in Well. Observed 123 psi SICP. Isolate MPD System. Line up Rig's Flowline to circulate through Gas-Buster. Start circulating & stage up Mud Pump flow rate to 445 gpm w/3080 psi DPP. Circulate bottoms-up from 5563' with +/- 16.2 ppg ECD.	5,562.0	5,562.0
14:30	0.25	8.75	2	Start Drilling & drilled 1' to 5563'. Stop drilling & Shut-in the Well due to problem with Halliburton's HCR Safety Valve.	5,562.0	5,563.0
14:45	1.00	9.75	22	The Halliburton HCR Safety Valve that is installed on the Rig's High Pressure Mud Line (The HCR Safety Valve is part of MPD equipment) observed to be 75% closed. Attempt to open the Valve with hydraulic pressure. Unable to fully open the HCR Valve. Open HCR By-pass lines on High Pressure Mud Line.	5,563.0	5,563.0
15:45	0.50	10.25	5	Decision made to POOH to the 9-5/8" Casing Shoe & change out Halliburton's MPD equipment. Circulate Bottoms-up from 5563' while preparing to Trip out of the Hole.	5,563.0	5,563.0

FIDELITY Exploration & Production Company
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/21/2014
Report #: 27, DFS: 19.58
Daily Depth Progress: -162.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
16:15	1.25	11.50	6	Strip Out of hole from 5563 to 4573' (9-5/8" Csg Shoe @ 4565') pumping across wellhead @ 3.3 bpm holding +/- 275 psi on Rig Choke (Holding +/- 16.7 ppg EMW on Formation while Tripping out).	5,563.0	5,563.0
17:30	0.25	11.75	22	Shut-in & secured the Well (We trapped 330 psi on Annulus holding +/- 16.9 ppg EMW on Formation).	5,563.0	5,563.0
17:45	0.50	12.25	22	Held PJSM with Drill Crew & Halliburton personnel regarding the change out of MPD equipment.	5,563.0	5,563.0
18:15	1.00	13.25	22	Blow down Surface Lines & Halliburton's MPD equipment with air to remove Oil Base Mud from same.	5,563.0	5,563.0
19:15	2.00	15.25	22	Rig Down Halliburton MPD Choke Panel, HCR Safety Valve and Halliburton Flow Meter.	5,563.0	5,563.0
21:15	0.75	16.00	22	Move Halliburton Choke Panel off Location and set Halliburton Choke Panel that came from M40.	5,563.0	5,563.0
22:00	2.00	18.00	22	Rig up Halliburton Choke Panel, set Flow Meter and Install HCR Valve. Hook up Halliburton Lines to MPD.	5,563.0	5,563.0
00:00	2.00	20.00	22	Trouble Shooting Rig Mud Pumps and Test Halliburton MPD. Test HCR Valve and Lines to Choke Panel to 3800 psi. Test HCR and Halliburton Lines to RPD to 3800 psi and from BOPS to Halliburton Choke to 1100 psi.	5,563.0	5,563.0
02:00	1.00	21.00	6	Trip in Hole From 4570' to 5540'.	5,563.0	5,563.0
03:00	3.00	24.00	5	Circ Bottoms up @ 5540', Cut Mud Wt From 15.8 ppg to 15.3 ppg Max Gas.	5,563.0	5,563.0

Mud Check: 5,563.0ftKB, 2/21/2014 16:00

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...
2/21/2014	5,563.0	15.70	58								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
					400,817.000	18,400.000			28.0	25	

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
			16.18		

Mud Check: 5,563.0ftKB, 2/22/2014 04:00

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...
2/22/2014	5,563.0	15.40	57	30.0	15.000	9.000	11.000				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
					383,377.000	18,400.000			34.5	25	

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
			15.96		

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 (%)
4,580.0	6,036.0	1,456.00	2/19/2014 06:00	2/21/2014 21:00	31.75	45.9	24.25	7.50	23.62	76.38

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

FIDELITY Exploration & Production Company
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/22/2014
Report #: 28, DFS: 20.58
Daily Depth Progress: 673.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	20.58	5,363.0	6,036.0	673.00

Operations at Report Time
Trip out Hole @ Rate 10 Mins Stand

Operations Summary
Circ and Cut Mud Wt 14.9 ppg to 14.7 ppg Drill From 5563 to 6036 Unable to Slide Drill Looks Like Lost Gauge Cutters Circ Botton up @ 6036 Trip out Hole From 6036 to 4600 Feet Holding 140 Psi on Back Side With MPD Displace Well @ 4600 Feet With 16.8 ppg Pump Total 375 bbls Build Slug 40 bbls 18.5 ppg Flow Check Well Trip out Hole From 4600 to 3380 @ Rate 10 Mins Stand

Operations Next Report Period
Drilling

Weather	Wellbore
	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.75	0.75	5	Circ and Cut Mud Wt Back to 14.9 ppg in Active Pits	5,563.0	5,563.0
06:45	1.25	2.00	2	Drill 8.5" Vertical Section F/5563" to 5618". WOB=12 -25K, RPM=50 + Mud Mtr Total=190. Torque = 4.5KFtLb, GPM= 460 w/3500 psi DPP, Diff Press=400 psi. Cut Mud Wt From 14.9 ppg to 14.7 ppg Max Gas 3500 Units	5,563.0	5,618.0
08:00	0.50	2.50	7	Service Rig and Top Drive and Adjust Brake	5,618.0	5,618.0
08:30	6.50	9.00	2	Drill 8.5" Vertical Section F/5618' to 5982'. WOB=16-23K, RPM = 50+ Mud Mtr = Total=190 Torque=4.5KFtLb, GPM= 460 w/3500 psi DPP. Diff Press= 400 psi. Max Gas 2600 Units	5,618.0	5,982.0
15:00	1.50	10.50	20	Slide Drill F/5982' to 5991'. WOB= 25K , Gpm= 460 w/3400 psi. Unable to Slide Drill.	5,982.0	5,991.0
16:30	0.75	11.25	5	Circ Bottoms up @ 5991'.	5,991.0	5,991.0
17:15	0.75	12.00	2	Drill F/5991' to 6000'.	5,991.0	6,000.0
18:00	1.50	13.50	20	Slide Drill From 6000 to 6012 WOB 25 K Dpp 3400 GPM=460 Diff Press 200 to 400 psi Unable to Slide Bit Wt Would Not Drill Off Looks Like Bit Lost Gauge Cutters	6,000.0	6,012.0
19:30	0.50	14.00	2	Drill From 6012 to 6024 WOB=16 K Rpm 50+ Mud Mtr= Total=190 Torque 4500 GPM=460 3500 psi Diff Press= 400 psi Max Gas 2200 Units	6,012.0	6,024.0
20:00	1.00	15.00	20	Slide Drill From 6024 to 6036 WOB 25 K Dpp 3400 GPM=460 Diff Press 200 to 400 psi Unable to Slide Drill Bit Wt Would not Drill Off Looks Like Bit Lost Gauge Cutters	6,024.0	6,036.0
21:00	2.50	17.50	6	Trip out Hole From 6036 to 4600 Holding 140 psi on Back Side With MPD	6,036.0	6,036.0
23:30	2.50	20.00	5	Dasplace Well @ 4600 Feet Pump 375 bbls 16.8 ppg Kill Mud	6,036.0	6,036.0
02:00	2.00	22.00	5	Flow Check Well Transfer 55 bbls to Slug Tank Biuld 16.8 ppg Mud and Pump 55 bbls in Trip Tank Build 18.5 ppg Slug and Slug Drill Pipe With 40 bbls and Flow Check Well No Flow at Trip Tank	6,036.0	6,036.0
04:00	2.00	24.00	6	Trip out Hole Pulling @ Rate 10 Mins Stand From 4600' to 3200'.	6,036.0	6,036.0

Mud Check: 5,850.0ftKB, 2/21/2014 12:30

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...
2/21/2014	5,850.0	14.75	52	24.0	19.000	11.000	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
					41,000.000	15,600.000			32.0	293,469	

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
61.0			15.98		

Report Printed: 3/3/2014

FIDELITY Exploration & Production Company
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Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/22/2014
Report #: 28, DFS: 20.58
Daily Depth Progress: 673.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Mud Check: 6,036.0ftKB, 2/22/2014 04:00

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…
2/22/2014	6,036.0	14.80	48	25.0	18.000	11.000	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
					41,000.000	16,000.000			30.0	300,482	

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr…	T Flowline (°F)	Comment
			16.36		

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 (%)
4,580.0	6,036.0	1,456.00	2/19/2014 06:00	2/21/2014 21:00	31.75	45.9	24.25	7.50	23.62	76.38

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/23/2014
Report #: 29, DFS: 21.58
Daily Depth Progress: 22.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	21.58	6,036.0	6,058.0	22.00

Operations at Report Time
Slide Drill @ 6058 @ Rate 8 Feet Hr

Operations Summary
Trip out Hole. Lay Down BHA. Pick up New Bit and Motor. TIH to 4600'. Displace 16.8 ppg Kill Mud. Circ Bottom up @ 4600 - Max Gas 4200 Units. TIH From 4600' to 6000'. Circ Bottoms up and Wash to Bottom @6036' - Max Gas 4400 Units. Slide Drill From 6036' to 6058'.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Williams	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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	Continue POOH from 3200' to top of Directional BHA. Trip Speed @ 5 minutes/stand.	6,036.0	6,036.0
12:00	1.00	7.00	6	Stand back NMDC & MWD. Break-off Bit & L/D Mud-motor. Clean off Rig Floor.	6,036.0	6,036.0
13:00	3.00	10.00	6	M/U Pathfinder's BHA #3 (8.5" Steerable Drilling Assembly) with Fresh 6.75" OD Type G2-675 Mud-motor with 8.25" NB Stab (1.75° Fixed Bend, 0.29 rpm/gal , 3.8 stage 7/8 Lobe), 1 x 8.25" String Stab, Float Sub & MWDTools, Orient Tool Face & Surface Test Tools-OK. M/U Bit #7 (New 8.5" Smith MDi611 PDC w/ 6 x 18 Jets). Finish M/U BHA with Well Commander Assembly, Float Sub & XO Sub (Total BHA length = 153.88'). Bit to GR = 43.26'. Bit to Survey = 59.84'.	6,036.0	6,036.0
16:00	5.00	15.00	6	TIH with 8.5" Steerable Drilling Assembly on 4.5" DP to 4600'. Fill DP every 20 stands with 14.7 ppg OBM from Active Pit.	6,036.0	6,036.0
21:00	0.50	15.50	22	Remove Trip Nipple and Install Rotating Head	6,036.0	6,036.0
21:30	3.00	18.50	5	Displace 16.8 ppg Kill Mud With 312 bbls 15.0 ppg Oil Base Mud. Circ Bottom up @ 4660' - Max Gas 3800 Units. Mud Cut From 15.0 ppg to 14.1 ppg, Flare 6 Feet	6,036.0	6,036.0
00:30	1.50	20.00	6	Trip in Hole From 4600' to 6000' With Halliburton MPD Holding 345 psi on Well	6,036.0	6,036.0
02:00	1.00	21.00	5	Circ Bottom up @ 6000' Feet - Max Gas 4600 Units, Cut Mud Wt From 15.0 ppg to 14.2 ppg Flare 15 Feet. Wash and Ream From 6000' to 6036'.	6,036.0	6,036.0
03:00	3.00	24.00	20	Slide Drill From 6036' to 6058', WOB= 16 to 26 K, GPM= 400, SPP= 3400 psi, Diff Press 200 to 400 psi. Max Gas 2800 Units, Cut Mud Wt From 15.0 ppg to 14.7 ppg. Slide at 8 fph.	6,036.0	6,058.0

Mud Check: 6,036.0ftKB, 2/22/2014 13:00

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...
2/22/2014	6,036.0	14.90	58	24.0	19.000	10.000	12.000				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
						15,600.000			32.0	294,901	81.4/18.6

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
			15.92	72.0	

Mud Check: 6,044.0ftKB, 2/23/2014 00:30

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...
2/23/2014	6,044.0	14.85	49	25.0	18.000	9.000	12.000				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
						16,800.000			30.0	303,022	81.4/18.6

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
	14.0		16.20	72.0	

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 #: 29, DFS: 21.58
Daily Depth Progress: 22.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/24/2014
Report #: 30, DFS: 22.58
Daily Depth Progress: 296.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	22.58	6,058.0	6,354.0	296.00

Operations at Report Time

Operations Summary
Drill 8-1/2" curve from 6058' to 6354'. Service Rig.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	6.75	6.75	20	Slide drill 8-1/2" curve section from 6058' to 6094'. WOB= 5-25 k, Q= 460 gpm, P= 3400 psi, MW= 14.7+ ppg. Bgas= 2500 units, Cgas= 3700 units	6,058.0	6,094.0
12:45	0.50	7.25	7	Service Rig.	6,094.0	6,094.0
13:15	4.75	12.00	20	Slide drill 8-1/2" curve section from 6094' to 6150'. WOB= 5-20 k, Q= 462 gpm, P= 3375 psi, MW= 14.7 ppg. Bgas= 2650 units, Cgas= 3450 units	6,094.0	6,150.0
18:00	3.00	15.00	20	Slide drill 8-1/2" curve section from 6150' to 6193' WOB= 12 to 25 k, Q= 450 gpm, P= 3400 psi, MW= 14.7 ppg. Bgas= 2100 units, Cgas= 2460 units	6,150.0	6,193.0
21:00	0.50	15.50	2	Rot Drill 8-1/2" Curve Section From 6193' to 6204'. WOB= 12 to 25 K, Torque= 4100, GPM= 450, Dpp= 3400, Diff Press= 150 to 400. Bgas= 1900 Units	6,193.0	6,204.0
21:30	1.00	16.50	20	Slide Drill 8-1/2" Curve Section From 6204 to 6226 WOB= 12 to 25 K, GPM 460=Dpp 3400 Diff Press 150 to 400, MW= 14.7 ppg. Bgas= 1600 units	6,204.0	6,226.0
22:30	0.50	17.00	2	Rot Drill 8-1/2" Curve Section From 6226 to 6233 WOB= 12 TO 25 K, GPM 460=Dpp 3400 Diff Press 150 to 400 MW=14.7 ppg. Bgas= 1480 units	6,226.0	6,233.0
23:00	1.50	18.50	20	Slide Drill 8-1/2" Curve Section From 6233 to 6266 WOB= 12 to 25 K, GPM 470= Dpp 3444 Diff Press 150 to 400 MW= 14.7 ppg. Bgas= 1400 Units	6,233.0	6,266.0
00:30	0.50	19.00	2	Rot Drill 8-1/2 Curve Section From 6266 to 6271 WOB= 12 to 25 K GPM 470= Dpp 3478 Diff Press 150 to 400 Torque 4100 MW=14.7 ppg. Bgas= 1325 Units	6,266.0	6,271.0
01:00	5.00	24.00	20	Slide drill 8-1/2" curve section from 6271' to 6354', WOB= 5 to 11 k, Q= 470 gpm, P= 3650 psi, MW= 14.7 ppg. Bgas= 1000 Units, Cgas= 1300 Units	6,271.0	6,354.0

Mud Check: 6,097.0ftKB, 2/23/2014 13:00

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...
2/23/2014	6,097.0	14.70	50	24.0	20.000	12.000	14.000				2.0	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
					41,000.000	17,600.000			25.8	329,215	

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

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 #: 30, DFS: 22.58
Daily Depth Progress: 296.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Mud Check: 6,300.0ftKB, 2/24/2014 01:00

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…
2/24/2014	6,300.0	14.60	48	23.0	21.000	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
					50,000.000	16,400.000			27.0	305,571	81.7/18.3

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr…	T Flowline (°F)	Comment
	19.0			107.0	

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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/25/2014
Report #: 31, DFS: 23.58
Daily Depth Progress: 799.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	23.58	6,354.0	7,153.0	799.00

Operations at Report Time
Drilling 8-1/2" hole @7153'

Operations Summary
Drill 8-1/2" curve/tangent from 6354' to 7153'. Change out Mud Pump pop-off valves.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.25	0.25	2	Rotate drill 8-1/2" curve section from 6354' to 6362'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 3500 ft-lb, SPP= 3600 psi, Differential P=150-300 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 780 units, no flare. MPD holding 190-210 psi drilling.	6,354.0	6,362.0
06:15	2.25	2.50	20	Slide drill 8-1/2" curve section from 6362' to 6384'. WOB= 5-18 k, GPM= 472, SPP= 3550 psi, Differential P=110-150 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 700 units, no flare. MPD holding 190-210 psi drilling.	6,362.0	6,384.0
08:30	0.50	3.00	2	Rotate drill 8-1/2" curve section from 6384' to 6395'. WOB= 10-16 k, GPM= 472, RPM= 25, Torque= 5000 ft-lb, SPP= 3700 psi, Differential P=180-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 200 psi drilling.	6,384.0	6,395.0
09:00	1.00	4.00	8	Change out mud pump pop-off valves.	6,395.0	6,395.0
10:00	0.25	4.25	2	Rotate drill 8-1/2" curve section from 6395' to 6401'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4000 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 190 psi drilling.	6,395.0	6,401.0
10:15	1.50	5.75	20	Slide drill 8-1/2" curve section from 6401' to 6418'. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1000 units, Cgas= 2520 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,401.0	6,418.0
11:45	0.25	6.00	2	Rotate drill 8-1/2" curve section from 6418' to 6433'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4000 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 190 psi drilling.	6,418.0	6,433.0
12:00	1.00	7.00	20	Slide drill 8-1/2" curve section from 6433' to 6450. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1000 units, Cgas= 2520 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,433.0	6,450.0
13:00	0.50	7.50	2	Rotate drill 8-1/2" curve section from 6450' to 6465'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4000 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 190 psi drilling.	6,450.0	6,465.0
13:30	0.50	8.00	20	Slide drill 8-1/2" curve section from 6465' to 6482. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1000 units, Cgas= 2527 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,465.0	6,482.0
14:00	1.00	9.00	2	Rotate drill 8-1/2" curve section from 6482' to 6529'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4000 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 190 psi drilling.	6,482.0	6,529.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/25/2014
Report #: 31, DFS: 23.58
Daily Depth Progress: 799.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
15:00	1.00	10.00	20	Slide drill 8-1/2" curve section from 6529 to 6544. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 650 units, Cgas= 900 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,529.0	6,544.0
16:00	2.00	12.00	2	Rotate drill 8-1/2" curve section from 6544' to 6593'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4200 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 190 psi drilling.	6,544.0	6,593.0
18:00	1.50	13.50	20	Slide drill 8-1/2" curve section from 6593 to 6610. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 650 units, Cgas= 800 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,593.0	6,610.0
19:30	0.50	14.00	2	Rotate drill 8-1/2" curve section from 6610' to 6620'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4280 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 800 units, no flare. MPD holding 190 psi drilling.	6,610.0	6,620.0
20:00	1.00	15.00	20	Slide drill 8-1/2" curve section from 6620 to 6642. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 850 units, Cgas= 1092 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,620.0	6,642.0
21:00	0.50	15.50	2	Rotate drill 8-1/2" curve section from 6642' to 6654'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4360 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 650 units, no flare. MPD holding 190 psi drilling.	6,642.0	6,654.0
21:30	0.50	16.00	20	Slide drill 8-1/2" curve section from 6654 to 6672. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 800 units, Cgas= 1092 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,654.0	6,672.0
22:00	1.50	17.50	2	Rotate drill 8-1/2" curve section from 6672' to 6747'. WOB= 10-18 k, GPM= 472, RPM= 25, Torque= 4000 ft-lb, SPP= 3700 psi, Differential P=150-400 psi, MW= 14.7+ ppg, ECD= 16.0 ppg. Bgas= 860 units, no flare. MPD holding 190 psi drilling.	6,672.0	6,747.0
23:30	0.50	18.00	20	Slide drill 8-1/2" curve section from 6747 to 6768. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 927 units, Cgas= 1092 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	6,747.0	6,768.0
00:00	6.00	24.00	2	Rotate drill 8-1/2" curve section from 6768' to 7153'. WOB= 10-20 k, GPM= 472, RPM= 25-35, Torque= 6000 ft-lb, SPP= 3800 psi, Differential P=350-450 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 800 units, Cgas= 1300 units, no flare. MPD holding 195 psi drilling, 460 psi on connection.	6,768.0	7,153.0

Mud Check: 6,450.0ftKB, 2/24/2014 13:00

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...
2/24/2014	6,450.0	14.70	48	25.0	20.000	14.000	17.000				2.0	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
					42,000.000						81.9/18.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
				116.0	

Mud Check: <depth>ftKB, 2/25/2014 01:00

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...
2/25/2014		14.70	48			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
					52,000.000				28.0		82.1/17.9

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
			15.97	113.0	

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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/26/2014
Report #: 32, DFS: 24.58
Daily Depth Progress: 1,144.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	24.58	7,153.0	8,297.0	1,144.00

Operations at Report Time
Drilling 8-1/2" hole @8297'

Operations Summary
Drill 8-1/2" curve/tangent from 7153' to 8297'. Service Rig.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	4.25	4.25	2	Rotate drill 8-1/2" curve section from 7153' to 7457'. WOB= 10-20 k, GPM= 472, RPM= 25-35, Torque= 6000 ft-lb, SPP= 3800 psi, Differential P=350-450 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1152 units, Cgas= 2100 units, no flare. MPD holding 195 psi drilling, 460 psi on connection.	7,153.0	7,457.0
10:15	2.75	7.00	20	Slide drill 8-1/2" curve section from 7457 to 7475. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1542 units, Cgas= 2246 units, no flare. MPD holding 190 -210 psi drilling, 380 psi on connection	7,457.0	7,475.0
13:00	2.00	9.00	2	Rotate drill 8-1/2" curve section from 7475 to 7630 '. WOB= 10-20 k, GPM= 472, RPM= 25-35, Torque= 6000 ft-lb, SPP= 3800 psi, Differential P=350-450 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1449 units, Cgas= 2123 units, no flare. MPD holding 195 psi drilling, 460 psi on connection.	7,475.0	7,630.0
15:00	0.50	9.50	7	Service Rig.	7,630.0	7,630.0
15:30	1.50	11.00	2	Rotate drill 8-1/2" curve section from 7630 ' to 7725 . WOB= 10-20 k, GPM= 472, RPM= 25-35, Torque= 6000 ft-lb, SPP= 3800 psi, Differential P=350-450 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1341 units, Cgas= 2314 units, no flare. MPD holding 195 psi drilling, 460 psi on connection.	7,630.0	7,725.0
17:00	0.25	11.25	22	Hold BOP Pit Drill - 84 seconds.	7,725.0	7,725.0
17:15	0.75	12.00	2	Rotate drill 8-1/2" curve section from 7725 to 7741'. WOB= 10-20 k, GPM= 472, RPM= 25-35, Torque= 6000 ft-lb, SPP= 3800 psi, Differential P=350-450 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1444 units, Cgas= 3013 units, no flare. MPD holding 195 psi drilling, 460 psi on connection.	7,725.0	7,741.0
18:00	1.50	13.50	20	Slide drill 8-1/2" curve section from 7441 to 7751. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 875 units, Cgas= 1154 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	7,741.0	7,751.0
19:30	2.00	15.50	2	Rotate drill 8-1/2" curve section from 7751 to 7830 WOB= 10-20 k, GPM= 472, RPM= 25-35, Torque= 6000 ft-lb, SPP= 3800 psi, Differential P=350-450 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1258 units, Cgas= 1727 units, no flare. MPD holding 195 psi drilling, 460 psi on connection.	7,751.0	7,830.0
21:30	0.50	16.00	20	Slide drill 8-1/2" curve section from 7830 to 7845. WOB= 5-14 k, GPM= 472, SPP= 3650 psi, Differential P=150-250 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1175 units, Cgas= 1776 units, no flare. MPD holding 190-210 psi drilling, 380 psi on connection	7,830.0	7,845.0

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 #: 32, DFS: 24.58
Daily Depth Progress: 1,144.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
22:00	6.00	22.00	2	Rotate drill 8-1/2" curve section from 7845 to 8297. WOB= 10-20 k, GPM= 472, RPM= 45, Torque= 7000 ft-lb, SPP= 3800 psi, Differential P=350-500 psi, MW= 14.7 ppg, ECD= 16.0 ppg. Bgas= 1300 units, Cgas= 2075 units, no flare. MPD holding 190 psi drilling, 500 psi on connection.	7,845.0	8,297.0

Mud Check: <depth>ftKB, 2/25/2014 12:00

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...
2/25/2014		14.70	47	24.0	21.000	13.000	15.000				2.0	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
					43,000.000	16,000.000				298,517	81.7/18.3

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
				116.0	

Mud Check: <depth>ftKB, 2/26/2014 00:30

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...
2/26/2014		14.75	51	25.0		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
					51,000.000	17,200.000			30.0	345,448	82.9/17.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
			15.90	117.0	

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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/27/2014
Report #: 33, DFS: 25.58
Daily Depth Progress: 271.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	25.58	8,297.0	8,568.0	271.00

Operations at Report Time
Drilling 8-1/2" hole @8568'

Operations Summary
Drill 8-1/2" curve from 8297' to 8568'.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	5	Circ & cond mud while wait discuss forward plan with Geology team.	8,297.0	8,297.0
06:30	1.75	2.25	2	Rotate drill 8-1/2" curve section from 8297 to 8402. WOB= 5-20 k, GPM= 427, RPM= 45, Torque= 7000 ft-lb, SPP= 3800 psi, Differential P=350-400 psi, MW= 14.7 ppg, ECD= 15.92 ppg. Bgas= 1500 units, Cgas= 2988 units, no flare. MPD holding 180 psi drilling, 500 psi on connection.	8,297.0	8,402.0
08:15	1.50	3.75	20	Slide drill 8-1/2" curve section from 8402 to 8428. WOB= 5-9 k, GPM= 427, SPP= 3600 psi, Differential P=150-200 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 1400 units, no flare. MPD holding 200 psi drilling	8,402.0	8,428.0
09:45	0.25	4.00	2	Rotate drill 8-1/2" curve section from 8428 to 8433. WOB= 8 k, GPM= 427, RPM= 25, Torque= 6500 ft-lb, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 1285 units, no flare. MPD holding 200 psi drilling	8,428.0	8,433.0
10:00	2.50	6.50	20	Slide drill 8-1/2" curve section from 8433 to 8444. WOB= 10-30 k, GPM= 427, SPP= 3600 psi, Differential P=50-250 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 1200 units, no flare. MPD holding 210 psi drilling. NOTE: 6-1/2" String Stabilzer hanging up - difficult to hold toolface and maintain differential pressure. TVD = 7675' - 7681'. Formation = Salt 21 (there were no gamma spikes)	8,433.0	8,444.0
12:30	0.25	6.75	2	Rotate drill 8-1/2" curve section from 8444 to 8448. WOB= 15 k, GPM= 427, RPM= 25, Torque= 6700 ft-lb, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 1000 units, no flare. MPD holding 220 psi drilling	8,444.0	8,448.0
12:45	0.25	7.00	22	BOP Drills	8,448.0	8,448.0
13:00	5.00	12.00	20	Slide drill 8-1/2" curve section from 8448 to 8478. WOB= 15-25 k, GPM= 427, SPP= 3500 psi, Differential P=100-200 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 1000 units, no flare. MPD holding 215 psi drilling	8,448.0	8,478.0
18:00	1.00	13.00	20	Slide drill 8-1/2" curve section from 8478 to 8485. WOB= 15-25 k, GPM= 427, SPP= 3500 psi, Differential P=100-200 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 760 units, no flare. MPD holding 215 psi drilling	8,478.0	8,485.0
19:00	0.25	13.25	2	Rotate drill 8-1/2" curve section from 8485 to 8491. WOB= 15 k, GPM= 427, RPM= 25, Torque= 6700 ft-lb, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 765 units, no flare. MPD holding 220 psi drilling	8,485.0	8,491.0
19:15	0.25	13.50	22	BOP Drills 1Min 15 Sec to Muster Point	8,491.0	8,491.0
19:30	4.00	17.50	20	Slide drill 8-1/2" curve section from 8491 to 8519. WOB= 15-25 k, GPM= 427, SPP= 3500 psi, Differential P=100-200 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 760 units, no flare. MPD holding 215 psi drilling	8,491.0	8,519.0

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 #: 33, DFS: 25.58
Daily Depth Progress: 271.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
23:30	0.50	18.00	2	Rotate drill 8-1/2" curve section from 8519 to 8524. WOB= 15 k, GPM= 427, RPM= 25, Torque= 6700 ft-lb, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 665 units, no flare. MPD holding 220 psi drilling	8,519.0	8,524.0
00:00	6.00	24.00	20	Slide drill 8-1/2" curve section from 8524 to 8568. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 500 units, Cgas= 580 units, no flare. MPD holding 200 psi drilling, 470 psi on connection	8,524.0	8,568.0

Mud Check: 8,534.0ftKB, 2/27/2014 00:30

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...
2/27/2014	8,534.0	14.75	51	26.0	18.000	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
					42,000.000				27.3		82.9/17.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
				117.0	

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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	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: 2/28/2014
Report #: 34, DFS: 26.58
Daily Depth Progress: 112.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 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 (%)
234.00	36.50	38.6	55.0	9.7	55.66	44.34

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	26.58	8,568.0	8,691.0	112.00

Operations at Report Time
Drilling 8-1/2" hole @8691'

Operations Summary
Drill 8-1/2" curve from 8568' to 8613'. Work stuck pipe @8613'. Drill 8-1/2" curve from 8613' to 8691'.

Operations Next Report Period
Drilling

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.25	2.25	20	Slide drill 8-1/2" curve section from 8568 to 8581. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 500 units, Cgas= 580 units, no flare. MPD holding 200 psi drilling, 470 psi on connection	8,568.0	8,581.0
08:15	0.50	2.75	7	Service Rig.	8,581.0	8,581.0
08:45	1.75	4.50	20	Slide drill 8-1/2" curve section from 8581 to 8588. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 500 units, Cgas= 580 units, no flare. MPD holding 200 psi drilling, 470 psi on connection.	8,581.0	8,588.0
10:30	1.50	6.00	5	Noticed minor mud losses on Pason @8588' MD (Cane Creek came in at ± 8575' MD). Pick up off bottom and reduce pump rate from 427 gpm to 350 gpm while pump 35 bbl 60 lb/bbl LCM sweep. Initially thought losses were downhole losses from entering the Cane Creek - discovered losses were actually from rotating head rubber leaking.	8,588.0	8,588.0
12:00	2.00	8.00	23	POOH 2 stands. Change out leaking rotating head rubber (TOOK EXTRA TIME DUE TO BOP DRIP PAN/ PLATFORM NOT BEING INSTALLED DURING NIPPLE UP)	8,588.0	8,588.0
14:00	4.00	12.00	20	Slide drill 8-1/2" curve section from 8588 to 8613. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 2000 units, Cgas= 3689 units, 4-5 ft flare. MPD holding 200 psi drilling, 470 psi on connection	8,588.0	8,613.0
18:00	1.00	13.00	22	Work Stuck Pipe @8613' (Wait on Nabors Supt. to give OK to pull more than 100 k over string weight). Pulled 120 k over string weight to free pipe.	8,613.0	8,613.0
19:00	1.00	14.00	3	Wash and Ream Tight Spot From 8613 to 8583	8,613.0	8,613.0
20:00	0.25	14.25	2	Rot drill 8-1/2" curve section from 8613 to 8615. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 500 units, Cgas= 580 units, no flare. MPD holding 200 psi drilling, 470 psi on connection	8,613.0	8,615.0
20:15	0.50	14.75	6	Trip out Hole From 8615 to 8388	8,615.0	8,615.0
20:45	0.75	15.50	3	Trip in Hole Wash and Ream Tight HoleFrom 8483 to 8615	8,615.0	8,615.0
21:30	3.50	19.00	20	Slide drill 8-1/2" curve section from 8615 to 8643. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 2330 units, Cgas= 2400 units, no flare. MPD holding 200 psi drilling, 470 psi on connection	8,615.0	8,643.0
01:00	0.50	19.50	2	Rot drill 8-1/2" curve section from 8643 to 8654. WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 2000 units, Cgas= 2200 units, no flare. MPD holding 200 psi drilling, 470 psi on connection	8,643.0	8,654.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 2/28/2014
Report #: 34, DFS: 26.58
Daily Depth Progress: 112.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
01:30	4.50	24.00	20	Slide drill 8-1/2" curve section from 8654 to 8691 WOB= 6-20 k, GPM= 427, SPP= 3500 psi, Differential P=150-300 psi, MW= 14.7 ppg, ECD= 15.9 ppg. Bgas= 2330 units, Cgas= 2400 units, no flare. MPD holding 200 psi drilling, 470 psi on connection	8,654.0	8,691.0

Mud Check: 8,655.0ftKB, 2/28/2014 01:30

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...
2/28/2014	8,655.0	14.65	51	26.0	14.000	12.000	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
					401,114.000	18,000.000			28.0		

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	2.0				

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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	23.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	23.0	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	23.0	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

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

PHONE NUMBER: 720 931-6459 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT 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 Report Date: 4/1/2014	☐ 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 01, 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: 3/1/2014
Report #: 35, DFS: 27.58
Daily Depth Progress: 92.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

Daily Operations

Report Start Date	Report End Date	Days From Spud (days)	Start Depth (ftKB)	End Depth (ftKB)	Daily Depth Progress (ft)
2/28/2014 06:00	3/1/2014 06:00	27.58	8,691.0	8,783.0	92.00

Operations at Report Time
POOH

Operations Summary
Drill 8-1/2" curve from 8691' to 8783. Trip out Hole to Change BHA and Bit (5646' @ report time)

Operations Next Report Period
Drilling

Weather	Wellbore
Rain	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	16.00	16.00	20	Slide Drill 8-1/2" Curve Section From 8691 to 8783. WOB=6-20 k GPM=427, SPM=3500 psi Differential P=150 to300 psi=MW=14.7 ppg,ECD=15.9 ppg. Bgas=658 Units.Cgas=789 Units. no flare MPD holding 160 psi Drilling,470 psi on Connection	8,691.0	8,783.0
22:00	1.00	17.00	5	Circ Sample up @ 8783 and Spot LCM Pill @ 8783 to 8243	8,783.0	8,783.0
23:00	3.00	20.00	6	Trip out Hole With MPD Holding 377 to 425 psi From 8783 to 6190	8,783.0	8,783.0
02:00	3.50	23.50	5	Displace Well @ 6191. Pump 450 bbls 16.6 ppg Kill Mud Flow Check Well Transfer 55 bbls to Slug Tank Build 18.2 ppg Slug . Pump 40 bbls 18.2 ppg Slug	8,783.0	8,783.0
05:30	0.50	24.00	6	Trip out Hole From 6191 to 5718 @ Rate 5 Min Std Stop and Flow Check Well	8,783.0	8,783.0

Mud Check: 8,783.0ftKB, 3/1/2014 02:00

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...
3/1/2014	8,783.0	14.55	53	24.0	22.000	13.000	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
					368,328.00 0				28.0		83.3/16.7

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	1.0			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 (%)
6,036.0	8,783.0	2,736.00	2/23/2014 03:00	2/28/2014 22:00	109.00	25.1	23.00	86.00	78.90	21.10

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/2/2014
Report #: 36, DFS: 28.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	28.58	8,783.0	8,783.0	0.00

Operations at Report Time
Trip in Hole From 6550 to 8000 With MPD Holding 441 psi on Well

Operations Summary
POOH from 5646' to surface. LD 8.5" Curve Assy. PU 8.5" Lateral Assy. Slip & Cut Drill Line. RIH to 8000' (displace KWM to 14.6 ppg @6000'). Troubleshoot Pathfinder iPZIG tool.

Operations Next Report Period
Drilling

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	5.50	5.50	6	POOH from 5718' to 162'. Hold BOP Trip Drill - 1 min 55 sec	8,783.0	8,783.0
11:30	0.25	5.75	22	Pull rotating head rubber & install trip nipple.	8,783.0	8,783.0
11:45	1.50	7.25	6	LD 8-1/2" Curve Assembly.	8,783.0	8,783.0
13:15	2.75	10.00	6	PU 8-1/2" Lateral Assembly. Scribe, orient and test MWD.	8,783.0	8,783.0
16:00	0.75	10.75	6	RIH with 8-1/2" Lateral Assembly to 821'.	8,783.0	8,783.0
16:45	0.25	11.00	22	Remove trip nipple. Install rotating head rubber.	8,783.0	8,783.0
17:00	1.00	12.00	6	RIH from 821' to 2004'.	8,783.0	8,783.0
18:00	1.50	13.50	6	RIH from 2004' to 4670	8,783.0	8,783.0
19:30	1.50	15.00	9	Slip and Cut 72 Feet Drill Line and Service Top Drive	8,783.0	8,783.0
21:00	1.50	16.50	22	Pull Rotating Head and Install New Rotating Head Pull 25 K Over to Remove Rubber Busted Slings and Fill Drill Pipe @ 4670	8,783.0	8,783.0
22:30	1.00	17.50	6	Trip in Hole From 4670 to 6000	8,783.0	8,783.0
23:30	2.25	19.75	5	Displace 16.6 ppg Kill Mud @ 6000 Feet Over to 14.7 ppg Mud	8,783.0	8,783.0
01:45	1.25	21.00	22	Function Test MWD/LWD Tools - iPZIG reading 0's for TGF & inclination and receive signal was 3 and should have been 12. Circulated off bottom for 10 minutes to let tool cycle through all parameters. Recycled pumps to test again and tool came up with receive signal at 12. Will TIH 5 stands and re-attempt.	8,783.0	8,783.0
03:00	0.50	21.50	6	Trip in Hole From 6000 to 6550	8,783.0	8,783.0
03:30	1.00	22.50	22	Function Test MWD/LWD Tools - iPZIG functioning correctly.	8,783.0	8,783.0
04:30	1.50	24.00	6	Trip in Hole From 6550 to 8000 MPD Holding 441 psi on Well	8,783.0	8,783.0

Mud Check: 8,783.0ftKB, 3/2/2014 03:15

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...
3/2/2014	8,783.0	14.55	82	24.0	22.000	13.000	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
					46,000.000	16,000.000			28.0		83.3/16.7

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
	35.0			112.0	

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	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: 3/2/2014
Report #: 36, DFS: 28.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

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)
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/3/2014
Report #: 37, DFS: 29.58
Daily Depth Progress: 350.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	29.58	8,783.0	9,133.0	350.00

Operations at Report Time
Drilling 8-1/2" lateral

Operations Summary
RIH from 8000' to 8448'. Circ & cond mud. Log well with iPZIG from 8448' to 8783'. Drill 8-1/2" lateral from 8783' to 9133'.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.75	0.75	6	RIH from 8000' to 8448', MPD holding 440 psi on well.	8,783.0	8,783.0
06:45	1.00	1.75	5	Circ and cond mud - 3906 units bottoms up gas with 6 - 8 ft flare.	8,783.0	8,783.0
07:45	3.50	5.25	22	Log well from 8448' to 8783'.	8,783.0	8,783.0
11:15	4.00	9.25	2	Rotate drill 8-1/2"lateral from 8783 to 8903. WOB= 17 k, GPM= 427, RPM= 25, Torque= 7400 ft-lb, SPP= 3750 psi, Differential P= 270 psi, MW= 14.8 ppg, ECD= 15.75 ppg. Bgas= 445 units, Cgas= 1167 units, no flare. MPD holding 185 psi drilling	8,783.0	8,903.0
15:15	3.50	12.75	20	Slide drill 8-1/2" curve section from 8903 to 8924. WOB= 18 k, GPM= 427, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 665 units, no flare. MPD holding 220 psi drilling	8,903.0	8,924.0
18:45	0.25	13.00	2	Rotate drill 8-1/2"lateral from 8924 to 8933. WOB= 17 k, GPM= 427, RPM= 25, Torque= 6480 ft-lb, SPP= 3750 psi, Differential P= 270 psi, MW= 14.7 ppg, ECD= 15.75 ppg. Bgas= 720 units, Cgas= 1023 units, no flare. MPD holding 185 psi drilling	8,924.0	8,933.0
19:00	4.00	17.00	20	Slide drill 8-1/2" curve section from 8933 to 8988. WOB= 18 k, GPM= 427, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 822 units, no flare. MPD holding 220 psi drilling	8,933.0	8,988.0
23:00	0.50	17.50	7	Service Rig and Top Drive Adjust Brakes	8,988.0	8,988.0
23:30	3.00	20.50	2	Rotate drill 8-1/2"lateral from 8988 to 9067. WOB= 17 k, GPM= 427, RPM= 45 Torque= 6480 ft-lb, SPP= 3750 psi, Differential P= 270 psi, MW= 14.7 ppg, ECD= 15.75 ppg. Bgas= 720 units, Cgas= 1023 units, no flare. MPD holding 185 psi drilling	8,988.0	9,067.0
02:30	1.25	21.75	20	Slide drill 8-1/2" curve section from 9067 to 9084. WOB= 18 k, GPM= 427, SPP= 3750 psi, Differential P=350 psi, MW= 14.7 ppg, ECD= 15.90 ppg. Bgas= 1350 units, no flare. MPD holding 220 psi drilling	9,067.0	9,084.0
03:45	0.25	22.00	2	Rotate drill 8-1/2"lateral from 9084 to 9090. WOB= 17 k, GPM= 427, RPM= 45, Torque= 6480 ft-lb, SPP= 3750 psi, Differential P= 270 psi, MW= 14.7 ppg, ECD= 15.75 ppg. Bgas= 1193 units, Cgas= 1438 units, no flare. MPD holding 165 psi drilling	9,084.0	9,090.0
04:00	1.50	23.50	20	Slide drill 8-1/2" curve section from 9090 to 9114. WOB= 18 k, GPM= 427, SPP= 3750 psi, Differential P=350 psi, MW= 14.6 ppg, ECD= 15.90 ppg. Bgas= 1179 units, no flare. MPD holding 155 psi drilling	9,090.0	9,114.0
05:30	0.50	24.00	2	Rotate drill 8-1/2"lateral from 9114 to 9133. WOB= 17 k, GPM= 427, RPM= 40, Torque= 6200 ft-lb, SPP= 3750 psi, Differential P= 270 psi, MW= 14.7 ppg, ECD= 15.75 ppg. Bgas= 1193 units, Cgas= 1438 units, no flare. MPD holding 155 psi drilling	9,114.0	9,133.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/3/2014
Report #: 37, DFS: 29.58
Daily Depth Progress: 350.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Mud Check: 9,017.0ftKB, 3/3/2014 03:45

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...
3/3/2014	9,017.0	14.70	47	24.0	17.000	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
					360,613.000	16,000.000			29.0		83.3/16.7

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	4.0			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 (%)
8,783.0	11,420.0	2,637.00	3/2/2014 11:15	3/7/2014 10:00	86.75	30.4	53.75	33.00	38.04	61.96

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/4/2014
Report #: 38, DFS: 30.58
Daily Depth Progress: 517.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	30.58	9,133.0	9,650.0	517.00

Operations at Report Time
Drilling 8-1/2" lateral @9650'

Operations Summary
Drill 8-1/2" lateral from 9133' to 9650'. Service Rig. Change Out Rotating Head.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	6.50	6.50	2	Rotate drill 8-1/2"lateral from 9133 to 9372. WOB= 10-20 k, GPM= 421, RPM= 40, Torque= 7900 ft-lb, SPP= 3750 psi, Differential P= 300-350 psi, MW= 14.7 ppg, ECD= 15.60 ppg. Bgas= 1100 units, Cgas= 2339 units, no flare. MPD holding 105 psi drilling, 410 psi on connections.	9,133.0	9,372.0
12:30	0.50	7.00	7	Service Rig.	9,372.0	9,372.0
13:00	0.25	7.25	22	Hold BOP Pit Drill - 74 seconds	9,373.0	9,372.0
13:15	3.00	10.25	20	Slide drill 8-1/2" lateral from 9372 to 9394. WOB= 18 k, GPM= 421, SPP= 3750 psi, Differential P=350 psi, MW= 14.6 ppg, ECD= 15.90 ppg. Bgas= 1179 units, no flare. MPD holding 155 psi drilling	9,372.0	9,394.0
16:15	0.25	10.50	2	Rotate drill 8-1/2"lateral from 9394 to 9404. WOB= 10-20 k, GPM= 421, RPM= 40, Torque= 7900 ft-lb, SPP= 3750 psi, Differential P= 300-350 psi, MW= 14.7 ppg, ECD= 15.60 ppg. Bgas= 1100 units, Cgas= 2339 units, no flare. MPD holding 105 psi drilling, 410 psi on connections.	9,394.0	9,404.0
16:30	2.50	13.00	20	Slide drill 8-1/2" lateral from 9404 to 9425. WOB= 18 k, GPM= 421, SPP= 3750 psi, Differential P=350 psi, MW= 14.6 ppg, ECD= 15.90 ppg. Bgas= 1179 units, no flare. MPD holding 155 psi drilling	9,404.0	9,425.0
19:00	0.50	13.50	2	Rotate drill 8-1/2"lateral from 9425 to 9436. WOB= 10-20 k, GPM= 421, RPM= 40, Torque= 6500 ft-lb, SPP= 3750 psi, Differential P= 300-350 psi, MW= 14.7 ppg, ECD= 15.60 ppg. Bgas= 1320 units, Cgas= 2339 units, no flare. MPD holding 105 psi drilling, 410 psi on connections.	9,425.0	9,436.0
19:30	0.50	14.00	7	Service Rig and Top Drive and Recycle Pumps	9,436.0	9,436.0
20:00	1.50	15.50	20	Slide drill 8-1/2" lateral from 9436 to 9466. WOB= 18 k, GPM= 421, SPP= 3750 psi, Differential P=350 psi, MW= 14.6 ppg, ECD= 15.90 ppg. Bgas= 1179 units, no flare. MPD holding 155 psi drilling	9,436.0	9,466.0
21:30	3.00	18.50	2	Rotate drill 8-1/2"lateral from 9466 to 9576. WOB= 10-20 k, GPM= 421, RPM= 40, Torque= 6500 ft-lb, SPP= 3750 psi, Differential P= 300-350 psi, MW= 14.7 ppg, ECD= 15.60 ppg. Bgas= 1864 units, Cgas= 2339 units, no flare. MPD holding 105 psi drilling, 410 psi on connections.	9,466.0	9,576.0
00:30	0.25	18.75	6	Trip out Hole From 9576 to 9480 - Rotating Head bearing Failure	9,576.0	9,576.0
00:45	2.00	20.75	23	Replace Rotating Head	9,576.0	9,576.0
02:45	0.25	21.00	6	Trip in Hole From 9480 to 9576	9,576.0	9,576.0
03:00	3.00	24.00	20	Slide drill 8-1/2" lateral from 9576 to 9650. WOB= 18 k, GPM= 421, SPP= 3750 psi, Differential P=275 psi, MW= 14.6 ppg, ECD= 15.90 ppg. Bgas= 1693 units, Cgas= 2800 units, no flare. MPD holding 130 psi drilling, 400 psi on connections	9,576.0	9,650.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/4/2014
Report #: 38, DFS: 30.58
Daily Depth Progress: 517.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Mud Check: 9,577.0ftKB, 3/4/2014 03:30

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...
3/4/2014	9,577.0	14.70	48	27.0	17.000	14.000	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
					408,720.000	18,000.000			29.0		

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
12.0	5.0		15.58		

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 (%)
8,783.0	11,420.0	2,637.00	3/2/2014 11:15	3/7/2014 10:00	86.75	30.4	53.75	33.00	38.04	61.96

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/5/2014
Report #: 39, DFS: 31.58
Daily Depth Progress: 605.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	31.58	9,650.0	10,255.0	605.00

Operations at Report Time
Drilling 8-1/2" lateral.

Operations Summary
Drill 8-1/2" lateral from 9650' to 10255. Service Rig.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ratliff	Company Man / WSL	(970) 361-3297

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 drill 8-1/2"lateral from 9650 to 9844. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 7500 ft-lb, SPP= 3800 psi, Differential P= 260-350 psi, MW= 14.7 ppg, ECD= 15.65 ppg. Bgas= 1500 units, Cgas= 2951 units, no flare. MPD holding 150 psi drilling, 410 psi on connections.	9,650.0	9,844.0
12:00	0.50	6.50	7	Service Rig.	9,844.0	9,844.0
12:30	3.00	9.50	2	Rotate drill 8-1/2"lateral from 9844 to 9949. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8000 ft-lb, SPP= 3800 psi, Differential P= 130-400 psi, MW= 14.6+ ppg, ECD= 15.7 ppg. Bgas= 600-1000 units, Cgas= 1627 units, no flare. MPD holding 150 psi drilling, 400 psi on connections.	9,844.0	9,949.0
15:30	3.00	12.50	20	Slide Drill 8-1/2" Lateral From 9949 to 9968, WOB= 15 - 25 k, GPM=421 Differential P=130-350 psi, MW=14.6 ppg ECD= 15.7 ppg Bgas= 2100 Units, Cgas= 2800 Units no Flare MPD holding 150 psi Drilling, 400 psi on Connections	9,949.0	9,968.0
18:30	0.25	12.75	2	Rotate drill 8-1/2"lateral from 9968 to 9973. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8000 ft-lb, SPP= 3800 psi, Differential P= 130-400 psi, MW= 14.6+ ppg, ECD= 15.7 ppg. Bgas= 2000-units, Cgas= 2800 units, no flare. MPD holding 150 psi drilling, 400 psi on connections.	9,968.0	9,973.0
18:45	1.00	13.75	20	Slide Drill 8-1/2" Lateral From 9973 to 9986, WOB= 15 - 25 k, GPM=421 Differential P=130-350 psi, MW=14.6 ppg ECD= 15.7 ppg Bgas= 1950 Units, Cgas= 2800 Units no Flare MPD holding 150 psi Drilling, 397 psi on Connections	9,973.0	9,986.0
19:45	4.75	18.50	2	Rotate drill 8-1/2"lateral from 9986 to 10134 . WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 7800 ft-lb, SPP= 3800 psi, Differential P= 130-400 psi, MW= 14.6+ ppg, ECD= 15.7 ppg. Bgas= 1445 -units, Cgas= 3600 units, no flare. MPD holding 165 psi drilling, 397 psi on connections.	9,986.0	10,134.0
00:30	1.50	20.00	20	Slide Drill 8-1/2" Lateral From 10134 to 10151 , WOB= 15 - 25 k, GPM=421 Differential P=130-350 psi, MW=14.6 ppg ECD= 15.7 ppg Bgas= 1730 Units, Cgas= 2800 Units no Flare MPD holding 160 psi Drilling, 397 psi on Connections	10,134.0	10,151.0
02:00	0.50	20.50	2	Rotate drill 8-1/2"lateral from 10151 to 10168 . WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 7800 ft-lb, SPP= 3800 psi, Differential P= 130-400 psi, MW= 14.6+ ppg, ECD= 15.7 ppg. Bgas= 1445 -units, Cgas= 2230 units, no flare. MPD holding 165 psi drilling, 397 psi on connections.	10,151.0	10,168.0
02:30	1.00	21.50	20	Slide Drill 8-1/2" Lateral From 10168 to 10178 , WOB= 15 - 25 k, GPM=421 Differential P=130-350 psi, MW=14.6 ppg ECD= 15.7 ppg Bgas= 1349 Units, Cgas= 2145 Units no Flare MPD holding 160 psi Drilling, 397 psi on Connections	10,168.0	10,178.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/5/2014
Report #: 39, DFS: 31.58
Daily Depth Progress: 605.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
03:30	2.00	23.50	2	Rotate drill 8-1/2"lateral from 10178 to 10248 . WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 7800 ft-lb, SPP= 3800 psi, Differential P= 130-400 psi, MW= 14.6+ ppg, ECD= 15.7 ppg. Bgas= 1355 -units, Cgas= 2230 units, no flare. MPD holding 165 psi drilling, 397 psi on connections.	10,178.0	10,248.0
05:30	0.50	24.00	20	Slide Drill 8-1/2" Lateral From 10248 to 10255 , WOB= 15 - 25 k, GPM=421 Differential P=130-350 psi, MW=14.6 ppg ECD= 15.7 ppg Bgas= 1428 Units, Cgas= 2145 Units no Flare MPD holding 160 psi Drilling, 397 psi on Connections	10,248.0	10,255.0

Mud Check: 10,148.0ftKB, 3/5/2014 02:45

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...
3/5/2014	10,148.0	14.60	51	29.0	16.000	15.000	21.000				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
					408,705.000	18,000.000			28.0	362,330	83.3/16.7

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
16.0	10.0			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 (%)
8,783.0	11,420.0	2,637.00	3/2/2014 11:15	3/7/2014 10:00	86.75	30.4	53.75	33.00	38.04	61.96

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/6/2014
Report #: 40, DFS: 32.58
Daily Depth Progress: 690.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	32.58	10,255.0	10,945.0	690.00

Operations at Report Time
Drilling 8-1/2" lateral @10,945'

Operations Summary
Drill 8-1/2" lateral from 10255' to 10945'. Service Rig.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Scott Brady	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.25	0.25	20	Slide drill 8-1/2" lateral from 10,255' to 10,260. WOB= 31 k, GPM= 421, SPP= 3725 psi, Differential P= 175 psi, MW= 14.5 ppg, ECD= 15.51 ppg. Bgas= 1000 units, no flare. MPD holding 160 psi drilling	10,255.0	10,260.0
06:15	4.25	4.50	2	Rotate drill 8-1/2"lateral from 10,260' to 10,423'. WOB= 15-30 k, GPM= 421, RPM= 40, Torque= 8200 ft-lb, SPP= 3800 psi, Differential P= 265-400 psi, MW= 14.5 ppg, ECD= 15.50 ppg. Bgas= 1120 units, Cgas= 2280 units, no flare. MPD holding 135 psi drilling, 420 psi on connections.	10,260.0	10,423.0
10:30	0.50	5.00	7	Service Rig.	10,423.0	10,423.0
11:00	1.00	6.00	2	Rotate drill 8-1/2"lateral from 10,423' to 10,478. WOB= 10-25 k, GPM= 421, RPM= 40, Torque= 7300 ft-lb, SPP= 3800 psi, Differential P= 140-320 psi, MW= 14.5 ppg, ECD= 15.51 ppg. Bgas= 1600 units, Cgas= 2894 units, no flare. MPD holding 125 psi drilling.	10,423.0	10,478.0
12:00	1.50	7.50	20	Slide drill 8-1/2" lateral from 10,478' to 10,494. WOB= 20-26 k, GPM= 421, SPP= 3750 psi, Differential P= 70-120 psi, MW= 14.5 ppg, ECD= 15.52 ppg. Bgas= 1650 units, no flare. MPD holding 145 psi drilling	10,478.0	10,494.0
13:30	0.25	7.75	2	Rotate drill 8-1/2"lateral from 10,494' to 10,508'. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8000 ft-lb, SPP= 3800 psi, Differential P= 190-250 psi, MW= 14.5 ppg, ECD= 15.55 ppg. Bgas= 1600 units, no flare. MPD holding 125 psi drilling.	10,494.0	10,508.0
13:45	1.25	9.00	20	Slide drill 8-1/2" lateral from 10,478' to 10,494. WOB= 20-26 k, GPM= 421, SPP= 3750 psi, Differential P= 70-120 psi, MW= 14.5 ppg, ECD= 15.52 ppg. Bgas= 1650 units, no flare. MPD holding 145 psi drilling	10,508.0	10,518.0
15:00	1.50	10.50	2	Rotate drill 8-1/2"lateral from 10,518' to 10,582'. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8300 ft-lb, SPP= 3800 psi, Differential P= 200-275 psi, MW= 14.5 ppg, ECD= 15.54 ppg. Bgas= 1300 units, Cgas= 2255 units, no flare. MPD holding 125 psi drilling, 420 psi on connections.	10,518.0	10,582.0
16:30	1.75	12.25	20	Slide drill 8-1/2" lateral from 10,582' to 10,599. WOB= 23-35 k, GPM= 421, SPP= 3750 psi, Differential P= 70-160 psi, MW= 14.5 ppg, ECD= 15.53 ppg. Bgas= 1450 units, no flare. MPD holding 145 psi drilling	10,582.0	10,599.0
18:15	2.25	14.50	2	Rotate drill 8-1/2"lateral from 10,599' to 10,654'. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8300 ft-lb, SPP= 3800 psi, Differential P= 200-275 psi, MW= 14.5 ppg, ECD= 15.54 ppg. Bgas= 1500 units, Cgas= 2396 units, no flare. MPD holding 100 psi drilling, 420 psi on connections.	10,599.0	10,654.0
20:30	1.00	15.50	20	Slide drill 8-1/2" lateral from 10,654' to 10,673. WOB= 23-35 k, GPM= 421, SPP= 3750 psi, Differential P= 70-160 psi, MW= 14.5 ppg, ECD= 15.53 ppg. Bgas= 1200 units, no flare. MPD holding 86 psi drilling	10,654.0	10,673.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/6/2014
Report #: 40, DFS: 32.58
Daily Depth Progress: 690.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
21:30	1.50	17.00	2	Rotate drill 8-1/2"lateral from 10,673' to 10,724'. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8300 ft-lb, SPP= 3800 psi, Differential P= 200-275 psi, MW= 14.5 ppg, ECD= 15.54 ppg. Bgas= 1648units, Cgas= 3133 units, no flare. MPD holding 100 psi drilling, 420 psi on connections.	10,673.0	10,724.0
23:00	1.50	18.50	20	Slide drill 8-1/2" lateral from 10,724' to 10,747'. WOB= 23-35 k, GPM= 421, SPP= 3771 psi, Differential P= 70-160 psi, MW= 14.5 ppg, ECD= 15.53 ppg. Bgas= 1531 units, no flare. MPD holding 86 psi drilling	10,724.0	10,747.0
00:30	3.50	22.00	2	Rotate drill 8-1/2"lateral from 10,747' to 10,898'. WOB= 15-25 k, GPM= 421, RPM= 40, Torque= 8300 ft-lb, SPP= 3800 psi, Differential P= 200-275 psi, MW= 14.5 ppg, ECD= 15.54 ppg. Bgas= 1880units, Cgas= 3400 units, no flare. MPD holding 100 psi drilling, 420 psi on connections.	10,747.0	10,898.0
04:00	2.00	24.00	20	Slide drill 8-1/2" lateral from 10,898' to 10,945'. WOB= 23-35 k, GPM= 421, SPP= 3771 psi, Differential P= 70-160 psi, MW= 14.5 ppg, ECD= 15.53 ppg. Bgas= 1531 units, no flare. MPD holding 112 psi drilling	10,898.0	10,945.0

Mud Check: 10,838.0ftKB, 3/6/2014 04:00

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...
3/6/2014	10,838.0	14.50	49	29.0	14.000	15.000	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
					47,000.000	381,244.000			29.0		85.9/14.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
15.0	17.0		15.54	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 (%)
8,783.0	11,420.0	2,637.00	3/2/2014 11:15	3/7/2014 10:00	86.75	30.4	53.75	33.00	38.04	61.96

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/7/2014
Report #: 41, DFS: 33.58
Daily Depth Progress: 431.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	33.58	10,945.0	11,376.0	431.00

Operations at Report Time
Circulate And Condition Hole Pumping LCM

Operations Summary
Drill 8-1/2" lateral from 10945' to 11,376' - starting losing mud @11,320' at rate of ± 60 - 80 bbls/hr. Open Well Commander Tool and circ 60 bbl, 70 ppb LCM sweep around

Operations Next Report Period
Drilling

Weather	Wellbore
Rain	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Scott Brady	Company Man / WSL	(970) 361-3297

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	Rotate drill 8-1/2"lateral from 10,945' to 11,005'. MW= 14.5+ ppg, ECD= 15.5 ppg. Bgas= 1500 units, no flare. MPD holding 100 psi drilling, 430 psi on connections.	10,945.0	11,005.0
08:00	2.00	4.00	20	Slide drill 8-1/2" lateral from 11,005' to 11026'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1100 units, Cgas= 2930 units, no flare. MPD holding 110 psi drilling, 430 psi on connections	11,005.0	11,026.0
10:00	2.00	6.00	2	Rotate drill 8-1/2"lateral from 11,026' to 11,099'. MW= 14.5+ ppg, ECD= 15.5 ppg. Bgas= 1200 units, no flare. MPD holding 105 psi drilling, 430 psi on connections.	11,026.0	11,099.0
12:00	2.50	8.50	20	Slide drill 8-1/2" lateral from 11,099' to 11,123'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1100 units, Cgas= 2804 units, no flare. MPD holding 125 psi drilling	11,099.0	11,123.0
14:30	2.00	10.50	2	Rotate drill 8-1/2"lateral from 11,123' to 11,196'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1200 units, Cgas= 2548 units, no flare. MPD holding 100 psi drilling, 425 psi on connections.	11,123.0	11,196.0
16:30	1.50	12.00	20	Slide drill 8-1/2" lateral from 11,196' to 11,219'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1200 units, Cgas= 2548 units, no flare. MPD holding 120 psi drilling	11,196.0	11,219.0
18:00	0.50	12.50	20	Slide drill 8-1/2" lateral from 11,206' to 11,219'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1100 units, no flare. MPD holding 120 psi drilling	11,206.0	11,219.0
18:30	2.50	15.00	2	Rotary drill 8-1/2"lateral from 11,219' to 11,282'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1200 units, Cgas= 2747 units, no flare. MPD holding 95 psi drilling, 430 psi on connections.	11,219.0	11,282.0
21:00	2.00	17.00	20	Slide drill 8-1/2" lateral from 11,282' to 11,310'. MW= 14.5 ppg, ECD= 15.5 ppg. Bgas= 1150 units, no flare. MPD holding 100 psi drilling	11,282.0	11,310.0
23:00	2.00	19.00	2	Rotary drill 8-1/2"lateral from 11,310' to 11,376'. MW= 14.5 ppg, ECD= 15.4 ppg. Bgas= 1200-3200 units, 5 ft flare. MPD holding 50-150 psi drilling. At 11,320' began losing mud downhole at a rate of ±60 bbls/hr. Reduced pump rate to 400 gpm & pumped LCM sweeps from 25-45 ppb concentration. Losses increased to ±80 bbls/hr @11,355'.	11,310.0	11,376.0
01:00	5.00	24.00	5	Pick up off bottom and shut pumps down. Drop 2.115" OD ball to open Well Commander Tool. Pump ball @3 bpm while slowly reciprocating pipe. Pressure up to 2450 psi to activate tool open. Drop 2.063" OD ball to shut off 100% flow thru bit @3 bpm. Wait 10 min. and follow with 60 bbl, 70 ppb LCM pill. Staging Pump Rate Up To 354 GPM	11,376.0	11,376.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/7/2014
Report #: 41, DFS: 33.58
Daily Depth Progress: 431.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Mud Check: 11,376.0ftKB, 3/7/2014 05:00

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...
3/7/2014	11,376.0	14.50	48	28.0	18.000	16.000	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
					407,868.000	16,000.000			29.0		85.9/14.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
80.0	0.0		14.92	100.0	

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 (%)
8,783.0	11,420.0	2,637.00	3/2/2014 11:15	3/7/2014 10:00	86.75	30.4	53.75	33.00	38.04	61.96

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/8/2014
Report #: 42, DFS: 34.58
Daily Depth Progress: 44.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	34.58	11,376.0	11,420.0	44.00

Operations at Report Time
POOH.

Operations Summary
Circ LCM thru Well Commander Tool. Control drill 8-1/2" from 11,376' to 11,420' due to downhole mud losses. Mud motor failure. Strip out of hole to 5790'. Displace 14.4 ppg mud with 16.6 ppg KWM. POOH to 3000' at report time.

Operations Next Report Period
Trips

Weather	Wellbore
Cloudy	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Scott Brady	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.50	2.50	5	Continue to circulate 70 ppb LCM around @375 gpm with no to mimimal downhole losses. Shut down and drop 2.115" OD ball to close Well Commander Tool. Pump ball @3 bpm while slowly reciprocating pipe. Pressure up to 2500 psi to activate tool closed. Lost 75 bbls to formation	11,376.0	11,376.0
08:30	1.50	4.00	2	Control drill 8-1/2"lateral from 11,376' to 11,420' (max ROP= 35 fph) at reduced circ rate (387 gpm). MW= 14.5 in/ 14.3+ out, ECD= 15.3 ppg. Bgas= 1300-2500 units, Cgas= 5946 units, 5-10 ft flare. MPD holding 50 psi drilling, 300 psi on connections. Work on cutting MW to 14.4 ppg Lost 39 bbls to formation (26 bph)	11,376.0	11,420.0
10:00	2.50	6.50	5	Attempt to slide - tagged bottom at 15-20 ft/hr, MTR stalled and shut off pumps. PU off bottom and pulled up to 11,379'. BHA became tight (40 over P/U weight and 25 below S/O weight). Came to neutral weight rotated @ 15 RPM - string free. LWD notified us of high Stick/Slip while circ and rotating @30 RPM. Immediately lowered RPM to 15 and then to 0 RPM. Washed back to bottom. PU to 11,409' and re-cycled pumps to sync LWD tools. After several attempts could not get the LXM to sync up correctly and show RPM without rotating the string. LXM should show RPM from the MTR of +/- 117 RPM statically, however it would only show RPM when string was rotated by top drive, indicating a MTR CV joint/drive shaft failure. Spot 50 bbl, 45 ppb LCM pill on bottom. Lost 46 bbls to formation (18 bph)	11,420.0	11,420.0
12:30	4.00	10.50	6	Strip out of hole from 11,420' to 6,836' @3 min/std. MPD holding 410 psi on well.	11,420.0	11,420.0
16:30	1.50	12.00	5	Circulate Bottoms Up Due To Gas Migrated Up The Hole. Max Gas 2350 .3 Mud Cut.	11,420.0	11,420.0
18:00	1.50	13.50	6	Continue Stripping Out Of Hole F/ 6,836' T/ 5,525' @ 3 min/std MPD Holding 434 psi on well.	11,420.0	11,420.0
19:30	4.50	18.00	5	Displace Hole With Kill Mud F/ 14.4 ppg T/ 16.6 ppg (Could Only Get A 16.3+ Back after two circulations.)	11,420.0	11,420.0
00:00	1.00	19.00	22	Flow Check Well (Static)	11,420.0	11,420.0
01:00	1.00	20.00	5	Build 18.2 Slug 70 bbl's in Tank # 5, Pump out tank # 7 to Premix, Transfer Slug To Over From tank 5 To Tank 7. Line Thru Halliburton MPD And Gas Buster and 4" Back To Tank # 5.	11,420.0	11,420.0
02:00	0.50	20.50	5	Pump 40 bbls of 18.2 ppg slug and chase it with 16.6 ppg (Fill Trip Tank With 16.6 ppg)	11,420.0	11,420.0
02:30	3.50	24.00	6	Trip out of hole F/ 5,525' T/ 3,000'. @ 8 min/std For The First 15 Stands. Then Stage to 6 min/std.	11,420.0	11,420.0

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 #: 42, DFS: 34.58
Daily Depth Progress: 44.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Mud Check: 11,420.0ftKB, 3/8/2014 03:00

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…
3/8/2014	11,420.0	14.50	68	28.0	19.000	17.000	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	16,000.000			29.0		85.9/14.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr…	T Flowline (°F)	Comment
0.0	0.0		15.21	0.0	

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 (%)
8,783.0	11,420.0	2,637.00	3/2/2014 11:15	3/7/2014 10:00	86.75	30.4	53.75	33.00	38.04	61.96

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/9/2014
Report #: 43, DFS: 35.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	35.58	11,420.0	11,420.0	0.00

Operations at Report Time
Stripping In Hole

Operations Summary
POOH. LD bit & BHA. PU Lateral Assy #2. RIH to 5525'. Displace 16.6 ppg KWM out with 14.4 ppg OBM. Strip in hole to 8,537'

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Scott Brady	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.50	3.50	6	Trip out of hole from 3,000' to 171' @6 min/std.	11,420.0	11,420.0
09:30	0.50	4.00	22	Pull Rotating Head Rubber and install Trip Nipple	11,420.0	11,420.0
10:00	1.50	5.50	6	LD mud motor, iPZIG LMX Assy & MWD. Break off bit.	11,420.0	11,420.0
11:30	2.50	8.00	6	PU new 6-3/4" mud motor, iPZIG LMX Assy & MWD. MU new Smith SDi611 8-1/2" PDC bit. Orient and test directional tools.	11,420.0	11,420.0
14:00	4.50	12.50	6	Trip in hole with 8-1/2" lateral assembly #2 on 4.5" DP to 4671' @3 min/std.	11,420.0	11,420.0
18:30	0.50	13.00	5	Break Circulation (Fill Pipe)	11,420.0	11,420.0
19:00	1.00	14.00	6	Trip in hole from 4,671' to 5,525' (slow to 5 min/std in open hole @4,525')	11,420.0	11,420.0
20:00	0.50	14.50	7	Service Rig And Top Drive. And Change Grabber Dies.	11,420.0	11,420.0
20:30	4.50	19.00	5	Circulate Displace Kill Mud Out Of Hole F/ 16.6 ppg T/ 14.4 ppg (Stage Pumps Up From 70 gpms to 277 gpms.) Circulate and Condition Mud In Hole Circulating out Gas Max 2800 Units. Test Mwd Tool Before Strippng To Bottom.	11,420.0	11,420.0
01:00	5.00	24.00	6	Strip In Hole F/ 5,525' T/ 8,537' @ 5 min/std Holding 250-320 psi (15.9 ECD) With Halliburton MPD. Filling Pipe Every 20 Stands. (Time Changed An Hour Ahead)	11,420.0	11,420.0

Mud Check: 11,420.0ftKB, 3/9/2014 04:00

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...
3/9/2014	11,420.0	14.50	78	24.0	18.000	14.000	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
					45,000.000	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	0.0		15.91		

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/10/2014
Report #: 44, DFS: 36.58
Daily Depth Progress: 244.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	36.58	11,420.0	11,664.0	244.00

Operations at Report Time
Drilling 8-1/2" lateral.

Operations Summary
Strip in hole from 8537' to 11420'. Circ and cond mud. Drill 8-1/2" lateral from 11420' to 11664'. Service Rig.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Scott Brady	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.50	3.50	6	Strip In Hole from 8,537' to 11,420' @ 5 min/std Holding 250-320 psi (15.9 ECD) With Halliburton MPD. Filling Pipe Every 20 Stands.	11,420.0	11,420.0
09:30	2.00	5.50	5	Circ and cond mud with max gas of 5245 units and 5 ft flare.	11,420.0	11,420.0
11:30	0.50	6.00	2	Rotary drill 8-1/2"lateral from 11,420' to 11,425'. MW= 14.6 ppg, ECD= 15.4 ppg. Bgas= 2400 units. MPD holding 60-105 psi drilling.	11,420.0	11,425.0
12:00	2.50	8.50	20	Slide drill 8-1/2" lateral from 11,425' to 11,445'. MW= 14.4 ppg, ECD= 15.45 ppg. Bgas= 2500 units, Cgas= 3040 units, no flare. MPD holding 75 psi drilling, 320 psi on connection	11,425.0	11,445.0
14:30	2.00	10.50	2	Rotary drill 8-1/2"lateral from 11,445' to 11,484'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 2200 units, Cgas= 3156 units, no flare. MPD holding 75-100 psi drilling, 400 psi on connections.	11,445.0	11,484.0
16:30	3.00	13.50	20	Slide drill 8-1/2" lateral from 11,484' to 11,504'. MW= 14.4 ppg, ECD= 15.45 ppg. Bgas= 1740 units, no flare. MPD holding 79 psi drilling, 320 psi on connection	11,484.0	11,504.0
19:30	1.50	15.00	2	Rotary drill 8-1/2"lateral from 11,504' to 11,532'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2000 units, Cgas= 3025 units, no flare. MPD holding 45 psi drilling, 363 psi on connections.	11,504.0	11,532.0
21:00	1.00	16.00	20	Slide drill 8-1/2" lateral from 11,532' to 11,542'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1740 units, no flare. MPD holding 45 psi drilling, 320 psi on connection	11,532.0	11,542.0
22:00	1.50	17.50	2	Rotary drill 8-1/2"lateral from 11,542' to 11,580'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2394 units, no flare. MPD holding 45 psi drilling, 363 psi on connections.	11,542.0	11,580.0
23:30	2.50	20.00	20	Slide drill 8-1/2" lateral from 11,580' to 11,598'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1740 units, no flare. MPD holding 45 psi drilling, 320 psi on connection	11,580.0	11,598.0
02:00	1.00	21.00	2	Rotary drill 8-1/2"lateral from 11,598' to 11,612'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1798 units, no flare. MPD holding 45 psi drilling	11,598.0	11,612.0
03:00	1.50	22.50	20	Slide drill 8-1/2" lateral from 11,612' to 11,630'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1740 units, no flare. MPD holding 45 psi drilling, 320 psi on connection	11,612.0	11,630.0
04:30	1.00	23.50	2	Rotary drill 8-1/2"lateral from 11,630' to 11,664'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1600 units, no flare. MPD holding 45 psi drilling	11,630.0	11,664.0
05:30	0.50	24.00	7	Service rig.	11,664.0	11,664.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/10/2014
Report #: 44, DFS: 36.58
Daily Depth Progress: 244.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Mud Check: 11,590.0ftKB, 3/10/2014 03:00

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...
3/10/2014	11,590.0	14.40	47	25.0	15.000	14.000	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
					44,000.000	17,200.000			28.5		87.4/12.6

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	5.0		15.29	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 (%)
11,420.0	13,400.0	1,988.00	3/9/2014 11:30	3/15/2014 00:30	125.00	15.9	64.50	60.50	48.40	51.60

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/11/2014
Report #: 45, DFS: 37.58
Daily Depth Progress: 301.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	37.58	11,664.0	11,965.0	301.00

Operations at Report Time
Drilling 8-1/2" Lateral.

Operations Summary
drilling ahead at 11982'. We are in the Cane Creek Target zone about 5' tvd, from the base of the target interval. The last sample from 11,920'-11,950' was 90% dolomite, and 10% black shale. Near bit inc is 99.1. The local dip has dropped to 1-2 deg up. We are sliding down and to finish the turn. The last dip pick was 1 deg up. The last survey was 11886' MD, 100.42° Inc, 161.15° az, 7466.55' TVD, 5004.26' VS. Back ground gas is 1600 units, connection gas to 3300u. Mud wt is 14.5. ECD is 15.31. MPS is not holding any back pressure on the well head.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Scott Brady	Company Man / WSL	(970) 361-3297

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	Rotary drill 8-1/2"lateral from 11,664' to 11,676'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2000 units, Cgas= 3439 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	11,664.0	11,676.0
06:30	2.50	3.00	20	Slide drill 8-1/2" lateral from 11,676' to 11,691'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2111 units,Cgas= 3411 no flare. MPD holding 45 psi drilling, 320 psi on connectio. Diff psi= 135	11,676.0	11,691.0
09:00	3.00	6.00	2	Rotary drill 8-1/2"lateral from 11,691' to 11,740'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2452 units, Cgas= 0 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	11,691.0	11,740.0
12:00	1.50	7.50	20	Slide drill 8-1/2" lateral from 11,740' to 11,758'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2028 units,Cgas= 2883 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 377	11,740.0	11,758.0
13:30	1.50	9.00	2	Rotary drill 8-1/2"lateral from 11,758' to 11,772'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2096 units, Cgas= 2900 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	11,758.0	11,772.0
15:00	0.50	9.50	23	Bop Drill Crew Responded Well Secure in 1min. 45 sec.	11,772.0	11,772.0
15:30	1.50	11.00	20	Slide drill 8-1/2" lateral from 11,772' to 11,782'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1922 units,Cgas= 2883 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 581	11,772.0	11,782.0
17:00	1.00	12.00	2	Rotary drill 8-1/2"lateral from 11,782' to 11,816'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 2096 units, Cgas= 2900 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	11,782.0	11,816.0
18:00	2.00	14.00	20	Slide drill 8-1/2" lateral from 11,816' to 11,843'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1800 units,Cgas= 2883 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 150 to 200	11,816.0	11,843.0
20:00	0.50	14.50	2	Rotary drill 8-1/2"lateral from 11,843' to 11,855'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1800 units, Cgas= 2900 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	11,843.0	11,855.0
20:30	0.50	15.00	7	Srevice Rig and Top Drive	11,855.0	11,855.0
21:00	0.50	15.50	2	Rotary drill 8-1/2"lateral from 11,855' to 11,867'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1800 units, Cgas= 2900 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	11,855.0	11,867.0
21:30	1.50	17.00	20	Slide drill 8-1/2" lateral from 11,867' to 11,886'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1869 units,Cgas= 2933 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 150 to 200	11,867.0	11,886.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/11/2014
Report #: 45, DFS: 37.58
Daily Depth Progress: 301.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
23:00	1.50	18.50	2	Rotary drill 8-1/2"lateral from 11,886' to 11,927'. MW= 14.4 ppg, ECD= 15.2 ppg. Bgas= 1531 units, Cgas= 2900 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	11,886.0	11,927.0
00:30	1.00	19.50	20	Slide drill 8-1/2" lateral from 11,927' to 11,941'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1496 units,Cgas= 2900 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 242	11,927.0	11,941.0
01:30	1.50	21.00	2	Rotary drill 8-1/2"lateral from 11,941' to 11,962'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1420 units, Cgas= 2323 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	11,941.0	11,962.0
03:00	2.00	23.00	20	Slide drill 8-1/2" lateral from 11,962' to 11,982'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1417 units,Cgas= 2900 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 167	11,962.0	11,982.0
05:00	0.50	23.50	2	Rotary drill 8-1/2"lateral from 11,982' to 11,965'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1330 units, Cgas= 2323 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	11,982.0	11,995.0
05:30	0.50	24.00	23	Bop Drill	11,995.0	11,995.0

Mud Check: 11,972.0ftKB, 3/11/2014 03:00

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...
3/11/2014	11,972.0	14.40	53	26.0	16.000	14.000	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
					41,000.000	16,400.000			28.5		86/14

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
41.0	8.0		15.32	112.0	

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 (%)
11,420.0	13,400.0	1,988.00	3/9/2014 11:30	3/15/2014 00:30	125.00	15.9	64.50	60.50	48.40	51.60

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/12/2014
Report #: 46, DFS: 38.58
Daily Depth Progress: 487.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	38.58	11,965.0	12,727.0	487.00

Operations at Report Time
Drilling 8-1/2 Lateral

Operations Summary
drilling ahead at 12,431'. We are in the Cane Creek Target zone, in the Hot B Shale marker. The last sample from 12,370'-12,400' was 95% dolomite, 5% anhydrite. Near bit inc is 92°. The local dip has dropped to ~3° down. We are sliding down to match local formation dip. The last survey was 12365' MD, 94.97° Inc, 163.29° az, 7408.23' TVD, 5463.59' VS. Back ground gas is 1600 units, connection gas to 3300u. Mud wt is 14.5. ECD is 15.4. MP is not holding any back pressure on the well head.

Operations Next Report Period
Drilling

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	20	Slide drill 8-1/2" lateral from 11,995' to 12,019'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1181 units,Cgas= no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 208	11,995.0	12,019.0
08:00	0.50	2.50	2	Rotary drill 8-1/2"lateral from 12,019' to 12,026'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1259 units, Cgas= units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	12,019.0	12,026.0
08:30	0.50	3.00	20	Slide drill 8-1/2" lateral from 12,026' to 12,030'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1104 units,Cgas= no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 287	12,026.0	12,030.0
09:00	4.00	7.00	2	Rotary drill 8-1/2"lateral from 12,030' to 12,142'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1089 units, Cgas=2474 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	12,030.0	12,142.0
13:00	0.50	7.50	7	Service Rig And Top Drive	12,142.0	12,142.0
13:30	1.00	8.50	2	Rotary drill 8-1/2"lateral from 12,142' to 12,171'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1921 units, Cgas=3067 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	12,142.0	12,171.0
14:30	2.00	10.50	20	Slide drill 8-1/2" lateral from 12,171' to 12,190'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 2039 units,Cgas=3000 no flare. MPD holding 45 psi drilling, 322 psi on connection. Diff psi= 168	12,171.0	12,190.0
16:30	1.50	12.00	2	Rotary drill 8-1/2"lateral from 12,190' to 12,227'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1859 units, Cgas=2792 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	12,190.0	12,227.0
18:00	4.00	16.00	2	Rotary drill 8-1/2"lateral from 12,227' to 12,333'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1859 units, Cgas=2792 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	12,227.0	12,333.0
22:00	0.50	16.50	7	Service Rig	12,333.0	12,333.0
22:30	0.50	17.00	2	Rotary drill 8-1/2"lateral from 12,333' to 12,344'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1441 units, Cgas=2792 units, no flare. MPD holding 47 psi drilling, 316 psi on connections.	12,333.0	12,344.0
23:00	2.00	19.00	20	Slide drill 8-1/2" lateral from 12,344' to 12,365'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 2039 units,Cgas=3000 no flare. MPD holding 47 psi drilling, 322 psi on connection. Diff psi= 201	12,344.0	12,365.0
01:00	0.50	19.50	2	Rotary drill 8-1/2"lateral from 12,365' to 12,376'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1948 units, Cgas=2792 units, no flare. MPD holding 46 psi drilling, 320 psi on connections.	12,365.0	12,376.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/12/2014
Report #: 46, DFS: 38.58
Daily Depth Progress: 487.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
01:30	1.50	21.00	20	Slide drill 8-1/2" lateral from 12,376' to 12,403'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1715 units,Cgas=3000 no flare. MPD holding 47 psi drilling, 322 psi on connection. Diff psi= 177	12,376.0	12,403.0
03:00	0.50	21.50	2	Rotary drill 8-1/2"lateral from 12,403' to 12,408'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1607 units, Cgas=2792 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,403.0	12,408.0
03:30	1.50	23.00	20	Slide drill 8-1/2" lateral from 12,408' to 12,429'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1524 units,Cgas=3299 no flare. MPD holding 47 psi drilling, 317 psi on connection. Diff psi= 250	12,408.0	12,429.0
05:00	1.00	24.00	20	Rotary drill 8-1/2"lateral from 12,429' to 12,440'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1653 units, Cgas=2792 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,429.0	12,440.0

Mud Check: 12,398.0ftKB, 3/12/2014 03:00

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	12,398.0	14.45	53	26.0	16.000	15.000	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
					43,000.000	15,600.000			28.5		86/14

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
29.0	9.0		15.39	111.0	

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 (%)
11,420.0	13,400.0	1,988.00	3/9/2014 11:30	3/15/2014 00:30	125.00	15.9	64.50	60.50	48.40	51.60

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/14/2014
Report #: 48, DFS: 40.58
Daily Depth Progress: 220.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	40.58	12,797.0	13,037.0	220.00

Operations at Report Time
Drilling Lateral

Operations Summary
Drilling ahead at 13,022'. We are in the Cane Creek Target zone. The formation has an apparent dip of 8° up. At 12,822' the IPZIG tool failed. We are drilling ahead using gamma 46' back from the bit.. The last sample from 12,990'-13,000' was 60% dolomite, 10% black shale, 30% anhydrite. The last survey was 12939' MD, 100.77° Inc, 168.91° az, 7359.09' TVD, 6002.35' VS. Back ground gas is 1800 units, connection gas to 2700u. Mud wt is 14.4+. ECD is 15.51. MP is not holding any back pressure on the well head.

Operations Next Report Period
Trips

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.00	3.00	20	Slide drill 8-1/2" lateral from 12,797' to 12,821'. MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1440 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 317 psi on connection. Diff psi= 150	12,797.0	12,821.0
09:00	2.00	5.00	20	Directional UXM Tool quit working after connection pick up and tried to Re Sink Tool in comm. with Halliburton MPD (Tool Wouldn't Re Sink It was Decided To Continue Drilling With Out it.)	12,821.0	12,821.0
11:00	4.50	9.50	20	Slide drill 8-1/2" lateral from 12,821' to 12,859' MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1440 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 317 psi on connection. Diff psi= 150	12,821.0	12,859.0
15:30	1.50	11.00	2	Rotary drill 8-1/2"lateral from 12,859' to 12,907'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 985 units, Cgas= 2194 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,859.0	12,907.0
17:00	0.50	11.50	7	Service Rig And Top Drive.	12,907.0	12,907.0
17:30	1.00	12.50	2	Rotary drill 8-1/2"lateral from 12,907' to 12,925'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 985 units, Cgas= 2194 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,907.0	12,912.0
18:30	2.00	14.50	20	Slide drill 8-1/2" lateral from 12,912' to 12,947' MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1440 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 317 psi on connection. Diff psi= 150	12,912.0	12,947.0
20:30	0.50	15.00	2	Rotary drill 8-1/2"lateral from 12,925' to 12,955'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 985 units, Cgas= 2194 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,947.0	12,955.0
21:00	3.50	18.50	20	Slide drill 8-1/2" lateral from 12,947' to 12,973' MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1440 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 317 psi on connection. Diff psi= 150	12,955.0	12,973.0
00:30	0.50	19.00	2	Rotary drill 8-1/2"lateral from 12,955' to 12,984'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 985 units, Cgas= 2194 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,973.0	12,984.0
01:00	2.50	21.50	20	Slide drill 8-1/2" lateral from 12,984' to 12,998' MW= 14.4 ppg, ECD= 15.3 ppg. Bgas= 1440 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 317 psi on connection. Diff psi= 150	12,984.0	12,998.0
03:30	0.50	22.00	2	Rotary drill 8-1/2"lateral from 12,984' to 13,002'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 985 units, Cgas= 2194 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	12,998.0	13,002.0
04:00	0.50	22.50	7	Service Rig / Top drive	13,002.0	13,002.0

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/14/2014
Report #: 48, DFS: 40.58
Daily Depth Progress: 220.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
04:30	1.50	24.00	2	Rotary drill 8-1/2"lateral from 13,002.' to 13,037'. MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1927 units, Cgas= 2377 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	13,002.0	13,037.0

Mud Check: 12,992.0ftKB, 3/14/2014 03:00

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	12,992.0	14.45	52	25.0	18.000	15.000	21.000				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
					50,000.000	16,800.000			28.0		86.2/13.8

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
29.0	5.0		15.42	115.0	

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 (%)
11,420.0	13,400.0	1,988.00	3/9/2014 11:30	3/15/2014 00:30	125.00	15.9	64.50	60.50	48.40	51.60

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/15/2014
Report #: 49, DFS: 41.58
Daily Depth Progress: 363.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	41.58	13,037.0	13,400.0	363.00

Operations at Report Time
Drilling Lateral

Operations Summary
Drilled to 13,400' TD'. They are making a wiper trip to the vertical section to ~ 6000' MD. We are in the Cane Creek A3 Anhydrite. The formation dip dropped from 7.5 up to ~ 3 deg up from 13,110-13,200' The last sample from 13,380'-13,400' was 75% dolomite, 10% black shale, 10% anhydrite and 5 % Salt. The last survey was 13322' MD, 98.75° Inc, 168.77° az, 7302.82' TVD, 6355.83' VS. Back ground gas was 1300 units, connection gas to 2457u. Mud wt is 14.4+. ECD is 15.49.

The total lateral since intersecting Cane Creek is 4,718'. Lateral in the Cane Creek Target interval 4,568'. The percent well bore in zone, since intersecting Cane Creek Target interval 96.8%.

Operations Next Report Period
Trips

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

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	Rotary drill 8-1/2"lateral from 13,032.' to 13,078'. MW= 14.5 ppg, ECD= 15.4 ppg. Bgas= 1817 units, Cgas= 2377 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	13,032.0	13,078.0
07:30	2.50	4.00	20	Slide drill 8-1/2" lateral from 13,078' to 13,098' MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1985 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 320 psi on connection. Diff psi= 131	13,078.0	13,098.0
10:00	0.50	4.50	7	Service Rig And Top Drive (Pumped Through Rig Choke Line)	13,098.0	13,098.0
10:30	6.00	10.50	2	Rotary drill 8-1/2"lateral from 13,098.' to 13,250'. MW= 14.5 ppg, ECD= 15.4 ppg. Bgas= 1817 units, Cgas= 2377 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	13,098.0	13,250.0
16:30	1.00	11.50	20	Slide drill 8-1/2" lateral from 13,078' to 13,098' MW= 14.4 ppg, ECD= 15.4 ppg. Bgas= 1985 units,Cgas= 2917 no flare. MPD holding 45 psi drilling, 320 psi on connection. Diff psi= 131	13,250.0	13,255.0
17:30	2.00	13.50	2	Rotary drill 8-1/2"lateral from 13,250.' to 13,290'. MW= 14.5 ppg, ECD= 15.4 ppg. Bgas= 1817 units, Cgas= 2377 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	13,255.0	13,290.0
19:30	0.50	14.00	7	Service Rig	13,290.0	13,290.0
20:00	4.50	18.50	2	Rotary drill 8-1/2"lateral from 13,290.' to 13,400'. MW= 14.5 ppg, ECD= 15.4 ppg. Bgas= 1817 units, Cgas= 2377 units, no flare. MPD holding 47 psi drilling, 320 psi on connections.	13,290.0	13,400.0
00:30	2.00	20.50	5	Circulate and Condition Hole	13,400.0	13,400.0
02:30	0.50	21.00	5	Spot 50bbl LCM sweep	13,400.0	13,400.0
03:00	3.00	24.00	6	TOOH for wiper trip, Floats were not holding, pumped 50bbls slug, floats still did not hold	13,400.0	13,400.0

Mud Check: 13,400.0ftKB, 3/15/2014 03:00

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	13,400.0	14.45	53	25.0	19.000	15.000	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
					47,000.000	17,200.000			28.5		87.4/12.6

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
5.0	0.0		15.57	106.0	

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 (%)
11,420.0	13,400.0	1,988.00	3/9/2014 11:30	3/15/2014 00:30	125.00	15.9	64.50	60.50	48.40	51.60

Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/15/2014
Report #: 49, DFS: 41.58
Daily Depth Progress: 363.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/16/2014
Report #: 50, DFS: 42.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	42.58	13,400.0	13,400.0	0.00

Operations at Report Time
Laying Down Drill Pipe.

Operations Summary
Performed wiper trip at TD, TOOH T/ 6000', TIH to 13,400', Circulate and condition mud, Pump LCM Sweep, Start L/D drill pipe @ 1.50 mins a joint, Hole was not taking proper fill. (actual was 9 bbls, but was taking 11bbls) The well was not flowing

Operations Next Report Period
Trips

Weather	Wellbore
High winds	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	8.50	8.50	6	Whiper Trip- Pulled 48 STDS of Drill pipe and 17 STDS of HWDP.to 6,000' @ 3 min/std Hole taking proper fill . Trip Drill crew responded with TIW in 1 min. 54sec.	13,400.0	13,400.0
14:30	0.50	9.00	7	Service rig and Top drive.	13,400.0	13,400.0
15:00	10.00	19.00	6	Trip in hole Stands of Drill pipe and Stands of HWDP. @ 5min/stds Well wasnt taking proper full @ 11,500' Done flow check (no flow) Continued TIH to bottom	13,400.0	13,400.0
01:00	3.00	22.00	5	Circulate 2 bottoms up,Spot 60 bbl LCM pill	13,400.0	13,400.0
04:00	2.00	24.00	6	L/D drill pipe F/ 13400' T/ 12556	13,400.0	13,400.0

Mud Check: 13,400.0ftKB, 3/16/2014 04:30

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	13,400.0	14.60	65	27.0	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
					45,000.000	17,200.000			29.0		87.3/12.7

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
5.0	4.0		15.56	78.0	

Mud Check: <depth>ftKB, 3/19/2014 04:30

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		14.60	65	27.0	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
					45,000.000	17,200.000			29.0		87.3/12.7

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
5.0	4.0		15.56	78.0	

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/17/2014
Report #: 51, DFS: 43.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	43.58	13,400.0	13,400.0	0.00

Operations at Report Time
Laying Down Drill Pipe.

Operations Summary
TD, 13,400'. TOOH. Will stop at 4600', and slip and cut the drilling line. Then continue to TOOH. We will start running 7" HCP-110 32# CGS today.

Operations Next Report Period
Run Casing & Cement

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

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	Stripping out of hole laying down drill pipe F/ 12,545 T/ 12,228'	13,400.0	13,400.0
07:00	0.50	1.50	8	Power Cat Walk Cable Had to tighten Due to Slack in cable.	13,400.0	13,400.0
07:30	2.00	3.50	6	Stripping out of hole laying down drill pipe F/ 12,228 T/ 11,220' Hole is Not taking correct fill @ 9 bbls/stds fill was taking 4 bbls extra a stand pulling wet.	13,400.0	13,400.0
09:30	2.00	5.50	5	Build 65 bbl 40 ppg LCM Pill pump and spot on back side @ 11220 there is a loss circulation zone @ 11320 Spot pill to minimize mud loss when running casing. (max Gas 3443)	13,400.0	13,400.0
11:30	6.00	11.50	6	Continue Stripping out of the With MPD Hold Pressure Across well head 300 to 350 psi F/11,220' T/ 8,520'	13,400.0	13,400.0
17:30	7.50	19.00	5	Displace with 16 ppg kill mud from 8520' to surface, drain gas buster, flow check for 30 mins	13,400.0	13,400.0
01:00	5.00	24.00	6	Continue laying down drill pipe F/8520' T/5400	13,400.0	13,400.0

Mud Check: 13,400.0ftKB, 3/17/2014 02:00

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	13,400.0	14.55	95	26.0	19.000	15.000	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
					403,676.00 0	15,600.000			29.5		85.8/14.2

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	0.0		15.77	0.0	

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/18/2014
Report #: 52, DFS: 44.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	44.58	13,400.0	13,400.0	0.00

Operations at Report Time
Running Casing

Operations Summary
TOOH t/ 4600', Slip and cut drilling line, TOOH racking pipe back in derrick, LD directional tools, Pull wear bushing, Test run Landing joint, Make up and run 7" casing

Operations Next Report Period
Run Casing & Cement

Weather	Wellbore
High winds	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

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	LayDown 28 joint of Drill pipe with continuise fill T/ 4,600'	13,400.0	13,400.0
07:00	1.50	2.50	21	Cut 131' of Drill line.	13,400.0	13,400.0
08:30	0.50	3.00	7	Service rig and Top drive.	13,400.0	13,400.0
09:00	7.00	10.00	6	POOH F/ 4,600' T/ Surface	13,400.0	13,400.0
16:00	4.00	14.00	6	L/D Directional BHA, Bit, Motor, MWD, Various Subs	13,400.0	13,400.0
20:00	0.50	14.50	6	Pull Wear Bushing	13,400.0	13,400.0
20:30	2.00	16.50	12	Pick up landing joint, Install landing joint and mark at floor, lay out landing joint. bring centralizers to floor, clean floor from trip, start rigging up casing crew	13,400.0	13,400.0
22:30	0.50	17.00	12	Safety meeting with casing crew and rig crews on running 7" casing	13,400.0	13,400.0
23:00	7.00	24.00	12	Make up casing shoe track and test. Run 7" P-110 BTC #32 casing F/ surface T/ 2854' @ 3 mins a joint, filling every 30 joints	13,400.0	13,400.0

Mud Check: 13,400.0ftKB, 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	13,400.0	14.65	79	25.0	19.000	16.000	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
					397,051.000	14,800.000			29.0		85.9/14.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
44.0	0.0		16.09		

Mud Check: 13,400.0ftKB, 3/17/2014 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...
3/17/2014	13,400.0	14.65	80	24.0	21.000	15.000	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
					397,051.000	14,800.000			29.5		85.9/14.1

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
0.0	0.0		16.07		

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/19/2014
Report #: 53, DFS: 45.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	45.58	13,400.0	13,400.0	0.00

Operations at Report Time
Running 7" Casing

Operations Summary
Run 7" HCP-110 29&32# CSG to 7000'. Well flowing ~ 2.5 bbl/hr. Install rotating head go through MPD holding 500-700# on well head. Strip 7" casing in hole to 8500'. Displace 16.0 kill mud w/ 14.6 ppg mud, 320 units max gas seen while displacing at the tail end of displacement. Strip casing in hole to 10994' Circ BU.

Operations Next Report Period
Run Casing & Cement

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Doug Long	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	8.00	8.00	12	Run 7" casing F/ 3,101' T/ 7,000' @ 3 min/std Casing Displacement is 2.1 bbl's per stand The last 5 joints ran in hole was 2.4 bbl's over displacement stopped flow check well (well was flowing 2.4 bbl's per hour.)	13,400.0	13,400.0
14:00	2.00	10.00	23	Close Annular Open HCR Vale To Monitor Casing pressure (SICP 66 psi Final Pressure 134 psi) Installed High pressure Rotating Head Rubber.	13,400.0	13,400.0
16:00	3.00	13.00	12	Line up Through Halliburton MPD and Strip Casing in F/ 7,000' T/ 8,520' @ 3 min/std Holding 134 psi while stripping in.	13,400.0	13,400.0
19:00	3.50	16.50	5	Circulate and displace 16 ppg mud in hole with 14.5 ppg mud	13,400.0	13,400.0
22:30	6.00	22.50	12	Line up Through Halliburton MPD and Strip Casing in F/ 8,520' T/ 10,994' @ 4 min/std Holding 500 psi while stripping in. Calculated displacement 136bbls Actual displacement 95 bbls	13,400.0	13,400.0
04:30	1.50	24.00	5	Circulate bottoms up and condition hole	13,400.0	13,400.0

Mud Check: 13,400.0ftKB, 3/19/2014 02:00

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	13,400.0	14.65	81	25.0	20.000	15.000	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
					397,051.000	14,800.000			29.5		85.8/14.2

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr...	T Flowline (°F)	Comment
224.0	0.0		16.07		

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

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 #: 54, DFS: 46.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	46.58	13,400.0	13,400.0	0.00

Operations at Report Time
WOC

Operations Summary
Strip 7" casing in hole to 10994'. Circ BU - 2736u gas. Strip 7" casing to bottom. Circ BU - 4245 u TG. Cement 7" casing with Halliburton, floats held. 1200 units gas while cementing and displacing

Operations Next Report Period
Wait on Cement

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	5	Finish Circulating btms up @11,000'. Max gas 2677 units	13,400.0	13,400.0
06:30	6.50	7.00	12	Strip 7" Casing from 11,000' to 13,338' @5 min/stand, MPD holding 585 psi on wellhead. Ran total of 211 jts 7" 32 ppf HCP-110 BTC R3 Casing + 94 jts 7" 29 ppf HCP-110 BTC R3 Casing + 1 Pup jt 7" 29 ppf HCP-110 Casing.	13,400.0	13,400.0
13:00	3.00	10.00	5	Circ and cond mud while circ out gas (max gas 4245 units)	13,400.0	13,400.0
16:00	2.00	12.00	22	Close Annular and strip rotating head rubber out of hole.	13,400.0	13,400.0
18:00	0.50	12.50	12	Install Trip Nipple. PU Landing Joint & Mandrel. Make up same and land out 7" casing @13,374'. Top of Float Collar @13,325'.	13,400.0	13,400.0
18:30	2.50	15.00	12	Rig Down casing crew	13,400.0	13,400.0
21:00	0.50	15.50	12	Rig down CRT tool & rig up cement head, iron & hold safety meeting.	13,400.0	13,400.0
21:30	5.00	20.50	12	Test lines to 7050 psi. Pump 30bbls diesel followed by 40 bbls tuned spacer @ 15.5ppg. Mix & pump 126.9bbls lead cement = 540 sks @ 16.5 ppg, 1.32 yield and 149.3 bbls tail cement = 635 sks @ 16.5ppg 1.32 yield. Displace with 460 bbls CaCl2 @10.5 ppg. Bump plug with 4650 psi. hold 15 mins. Bled back 5 bbls. Floats holding. Cement in place @ 02:30 hrs. trap 300 psi on back side with MPD, close choke.	13,400.0	13,400.0
02:30	3.50	24.00	13	W.O.C., rig down Halliburton iron, holding back pressure of 300 psi. onback side with MPD. @ 06:00 hrs, back side pressure 575 psi mud wt. back to14.5 ppg	13,400.0	13,400.0

Mud Check: 13,400.0ftKB, 3/19/2014 12:00

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	13,400.0	14.60	60	21.0	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
					407,720.00 0				29.5		85.8/14.2

Mud Lost (Hole) (bbl)	Mud Lost (Surf) (bbl)	LCM	ECD - Manual Entr…	T Flowline (°F)	Comment
71.0	0.0		17.20		

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

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 #: 55, DFS: 47.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	47.58	13,400.0	13,400.0	0.00

Operations at Report Time
WOC

Operations Summary
WOC holding back pressure on the well, Run and set bridge plug at 5800', run CBL logs 60% cement @ 5750'

Operations Next Report Period
Wait on Cement

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	0.50	0.50	11	Rig down wireline logs	13,400.0	13,400.0
06:30	5.50	6.00	6	Lay down DP from derrick outta mousehole (123 stands)	13,400.0	13,400.0
12:00	8.50	14.50	13	WOC Blow down top drive, stand pipe, Halliburton MPD lines and equipment rig up and run in the hole with Baker bridge plug seeting at 5800', test to 1000psi Flush lines on pitts and start cleaning tanks	13,400.0	13,400.0
20:30	9.50	24.00	13	Open up well - flowing at a rate of 180 bbls/hr. Shut in after 14 bbls. Casing pressure = 830 psi. Change liners and swabsin mp 2, housekeeping, build 150 bbls17.5 kill mud R/U wire line logging truck and perform a CBL, 60% cement at 5750'.	13,400.0	13,400.0

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

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 #: 56, DFS: 48.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	48.58	13,400.0	13,400.0	0.00

Operations at Report Time
WOC

Operations Summary
Monitor well while build 17.5 ppg KWM. Bullhead 150 bbls 17.5 ppg KWM down annulus. Perform Bullhead Cement Squeeze with 188 bbls 15.8 ppg Class G Neat cement. Monitor well while WOC.

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

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	5.00	5.00	22	Monitor well while finish building 250 bbls 17.5 ppg KWM. Casing pressure increased from 1065 psi to 1113 psi.	13,400.0	13,400.0
11:00	5.50	10.50	22	Prep to kill well. Initial Casing pressure= 1113 psi, Initial SPP= 780 psi. Bullhead 150 bbls of 17.5 ppg KWM down annulus @ 0.5 bpm. Briefly increased circ rate to 3 bpm to confirm injectivity rate for cement squeeze. Casing pressure after pumping= 438 psi, SPP= 378 psi. Bled off SPP. Casing pressure bled down to 169 psi while shut-in.	13,400.0	13,400.0
16:30	1.50	12.00	18	Hold PJSM. RU Baker Cementers.	13,400.0	13,400.0
18:00	2.00	14.00	18	Perform Bullhead Cement Squeeze as follows: Test lines to 4000 psi. Pump 20 bbls 9.0 ppg Sealbond Spacer with 2 gps SS-2. Mix & pump 188 bbls (1008 sacks) 15.8 ppg Class G Neat Cement (yield= 1.15 cu ft/sk, mix water= 5.0 gps) @ 2.0 - 2.5 bbls/min followed by 6 bbls fresh water. FCP= 1350 psi.	13,400.0	13,400.0
20:00	1.00	15.00	18	RD Baker Cementers. Monitor well.	13,400.0	13,400.0
21:00	9.00	24.00	18	Clean rig while WOC. Monitor well.	13,400.0	13,400.0

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

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 #: 57, DFS: 49.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	49.58	13,400.0	13,400.0	0.00

Operations at Report Time
Installing Tubing Head & Cap, Rigging Down

Operations Summary
Finish WOC. Flush surface lines. LD Landing Jt. ND BOPE. Install & test Packoff. RD Hydraulic Catwalk. NU Tubing Head. Clean Mud Pits & Rig.

Operations Next Report Period
Rig Up & Tear Down

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	2.00	2.00	18	Clean rig while WOC. Monitor well. SICP bled down to 246 psi. Bleed of casing pressure and shut in. SICP= 0 psi.	13,400.0	13,400.0
08:00	2.50	4.50	22	Pump thru 4" mixing lines, mud pumps, gas buster, kill line, choke line & choke manifold, stand pipe & top drive with diesel & soapy water.	13,400.0	13,400.0
10:30	4.00	8.50	22	RD all hard lines to tank farm and to flare stack. Continue with cleaning pits & rig. Load out 4" rental DP and haul to new location. Break bolts with Cameron torque wrench. Back out and LD Landing Jt.	13,400.0	13,400.0
14:30	2.00	10.50	22	Make up Cameron Packoff. Attempt to get Packoff through Annular. Annular Rubber deteriorated too much to allow Packoff to pass. LD Packoff. Function Annular in attempt to open fully. Did not open fully so bled pressure down to 200 psi and reattempt with no success. Will have to ND BOPE in order to set Packoff.	13,400.0	13,400.0
16:30	1.50	12.00	14	ND BOP's with Cameron. Start rigging down Hydraulic Catwalk (had to repair hydraulic leak). Begin removing wind walls & tarps.	13,400.0	13,400.0
18:00	1.50	13.50	22	Finish rigging down Catwalk and prep for rig move.	13,400.0	13,400.0
19:30	1.50	15.00	14	ND Halliburton MPD Orbit Valve & Rotating Head.	13,400.0	13,400.0
21:00	1.00	16.00	14	RU Four Way BOP Pick Up Lines. Lay out Annular.	13,400.0	13,400.0
22:00	1.50	17.50	22	Set Cameron Packoff and test to 8000 psi - Good test.	13,400.0	13,400.0
23:30	4.50	22.00	14	Finish ND BOPE.	13,400.0	13,400.0
04:00	2.00	24.00	14	NU Cameron Tubing Head & Cap.	13,400.0	13,400.0

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)
1/28/2014	Conductor	102.0	30.0	20	19.500		API 5L	20	19 1/2
2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

Report Printed: 4/1/2014

FIDELITY Exploration & Production Company
An MDU Resources Group company

Daily Drilling - Paradox Executive Daily No Cost

Report for: 3/24/2014
Report #: 58, DFS: 50.58
Daily Depth Progress: 0.00

Well Name: Cane Creek Unit 24-2

API/UWI	Excaliber ID	Well Area	Basin	Regulatory Field Name	Well Configuration Type
43-019-50034	74*31468	Paradox	Paradox Basin	Cane Creek	Horizontal

County	State/Province	Graded Ground Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date
Grand	UT	6,051.00	23.00	2/1/2014 16:00	3/23/2014 12:00

Operator	Surface Legal Location
Fidelity E&P	NENW Sec 24 T26S R19E

Rig	Company Man\Well Site Lead	Rig Email Address	Rig Phone Number	Rig Release Previous Well	Rig Release Date
Nabors Drilling M38	Scott Brady			1/25/2014 06:00	3/23/2014 12:00

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 (%)
427.50	36.50	31.1	41.2	11.2	56.26	43.74

Target Depth (ftKB)	Kick Off Date	Kick Off Depth (ftKB)	Kick Off Depth (TVD) (ftKB)
13,427.0	2/23/2014	6,036.0	6,035.8

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	50.58	13,400.0	13,400.0	0.00

Operations at Report Time
Rig Released

Operations Summary
Finish NU Tubing Head and Cap. Clean Mud Pits. Release Rig 3/23/14 at 12:00 hrs.

Operations Next Report Period
Rig Up & Tear Down

Weather	Wellbore
Sunny and Clear	Original Hole

Daily Contacts

Job Contact	Position	Office
Scott Brady	Company Man / WSL	(970) 361-3297
Daniel Ready	Company Man / WSL	(970) 361-3297

Time Log

Start Time	Dur (hr)	Cum Dur (hr)	Code 1	Comment	Start Depth (ftKB)	End Depth (ftKB)
06:00	3.50	3.50	14	Finish NU Tubing Head & Cap.	13,400.0	13,400.0
09:30	2.50	6.00	22	Finish cleaning mud pits. RD V-door, prep to scope Derrick, RD Top Drive. *** RELEASE RIG 3/23/14 @12:00 HRS ***	13,400.0	13,400.0

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)
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2/4/2014	Surface	1,093.0	27.6	13 3/8	12.615	54.50	J-55	14 3/8	12.615
2/13/2014	Intermediate	4,565.0	25.7	9 5/8	8.681	47.00	HCP-110	9 5/8	8.681
3/19/2014	Production	13,374.0	25.8	7	6.094	32.00	HCP-110	7	6.094

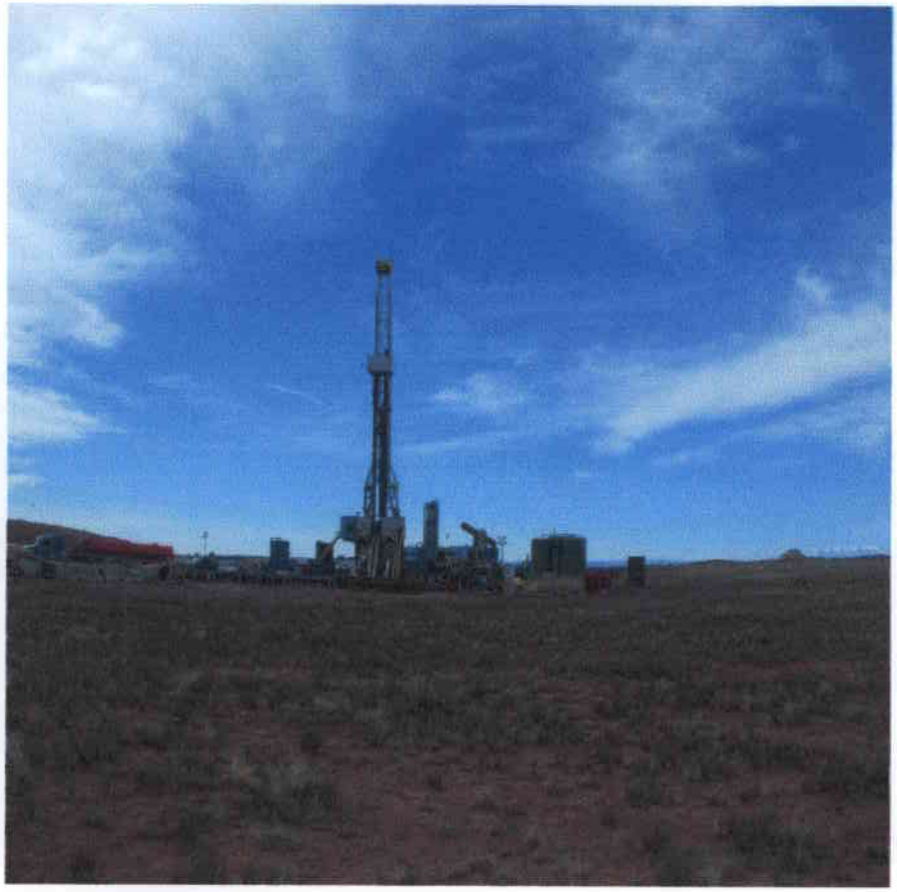
Report Printed: 4/1/2014

FIDELITY EXPLORATION & PRODUCTION CO.

CANE CREEK UNIT # 24-2H

NE/NW Section 24, T26S, R19E

GRAND COUNTY, UTAH



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Sam Spencer
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Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

RECEIVED
MAR 25 2014
DIV. OF OIL, GAS & MINING

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

OPERATOR:	**FIDELITY EXPLORATION & PRODUCTION CO.**
ADDRESS:	1700 Lincoln, Suite 2800, Denver, CO. 80203
WELL NAME:	**CANE CREEK UNIT # 24-2H**
API #:	43-019-50034
SURFACE LOCATION:	NE/NW Sec 24, T26S, R19E 650' FNL & 2829' FEL
FIELD:	Big Flat (Cane Creek Unit)
COUNTY, STATE	Grand, Utah
BASIN:	Paradox
WELL TYPE:	Horizontal Pennsylvanian Cane Creek
BASIS OF PROSPECT:	Production from Cane Creek in near by well
ELEVATION:	GL: 6051' Meas. Graded KB: 6074'
SPUD DATE	FEBUARY 1, 2014
TD DATE:	MARCH 15, 2014
HORIZONTAL TARGET:	CANE CREEK
TOTAL DEPTH:	13,400'
TVD AT TD:	7,290.96'
BOTTOM HOLE LOCATION:	5,438.2' S & 3,426.67' E 806.81' FNL & 597.67' FWL SEC 30, T26S, R20E

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

FINAL VERTICAL SECTION:	6,427.74'
ENTRY CANE CREEK VS:	1,759'
VS IN CANE CREEK TARGET:	4,568'
VS CC ENTRY TO TD:	4,718
PERCENT IN ZONE:	96.82%
FINAL CLOSURE AZIMUTH:	147.78°
PROPOSED AZIMUTH:	147.65°
TOTAL DRILLING DAYS	43
STATUS OF WELL:	Waiting Completion
CONTRACTOR:	Nabors Rig M38
TOOLPUSHER:	Kurt Cleaveland, Richard Balduc
FIELD SUPERVISORS:	Doug Williams, Doug Long, Scott Brady, Daniel Ratliff
MUD COMPANY:	NOV Bariod Bruce Buttler, Rio Good, Moe Butler, D.J. Groetken
MUD TYPE:	AIR / AIR MIST / INVERT
WELLSITE GEOLOGISTS:	Sam Spencer, John Flinn
PROSPECT GEOLOGIST:	Dave Koval, Bob Flook, Fidelity

WELL DATA SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

ROCK SAMPLING:	30' Lagged Samples to Cane Creek 30' Lagged Samples in Cane Creek Two sets of dry sample cuts were collected.
DIRECTIONAL DRILLERS:	Pathfinder Matt Geiser, Justin Hawkins
MWD:	Pathfinder Stewart Robertson, Mike Zaw, Mike D'Anna, Paul Foreman
CASING:	13 3/8" @ 1,093'; 9 5/8" @ 4565'; 7" @ 13,374'
HOLE SIZE:	17 1/2" to 1093'; 12 1/4" 1093' to 4573' 8 1/2" 4,573' to 13,400' TD
CORES and DST's:	NONE
WIRELINE/OPEN HOLE LOGS:	NONE
KEY OFFSET WELLS	FIDELITY EPCO CANE CREEK UNIT 18-1 NE/NE SECTION 17, T26S, R20E FIDELITY EPCO KANE SPRINGS FED. 19-18 SW/SE SECTION 19, T26S, R20E

FIDELITY EXPLORATION AND PRODUCTION
DISTRIBUTION
CANE CREEK UNIT # 24-2H

DISTRIBUTION	Geological Report	Final Mud Log prints	Digital mud log	Well Cuttings
Fidelity Exploration and Production Co. Drilling Manager Bruce Houtchens 1700 Lincoln St. Suite 2800, Denver CO 80203	3	3	3	0
Fidelity E&P Co. Bob Flook 1700 Lincoln Suite 2800 Denver CO 80203	1	1	1	0
Dave Koval Fidelity Exploration and Production 1700 Lincoln St. Suite 2800 Denver, CO 80203	1	1	1	1
State of Utah Division Oil Gas and Mining P.O. Box 145801 1594 W. Temple Suite 1210 Salt Lake City, UT 84114-5801	1	0	1	1
Bureau of Land Management Moab Field Office 82 E. Dogwood Moab, UT 84532	1	0	0	0

GEOLOGICAL REPORT

INTRODUCTION

The Fidelity Exploration & Production Co. Cane Creek Unit #24-2H, located in NE NW, Section 24 T26S, R19E spud near the top of Jurassic, Wingate Sandstone on February 1, 2014. The Cane Creek Unit #24-2H was drilled as a twin to the Cane Creek Unit 24-1 which was drilled in 2007. The CCU 24-2H was drilled as a horizontal lateral in a defined target zone within the Cane Creek Shale member.

A 20" conductor was set at 103'. A 17 ½" hammer was used to drill the surface hole to 1093' where 13 5/8" J55 casing was set. A 12 ¼" hammer was used to drill to intermediate casing point at 4573' where 9 5/8" HCP-110 BTC 47#/ft casing was set. An 8 ½" hole was drilled to a TD of 13400'. A horizontal lateral was kicked off from 6,000' and directionally drilled reaching an approximate build rate of 8° per 100 feet at 6804' with an azimuth of 139 degrees. A tangent section was then drilled at 52° inclination. At 8400' the bottom of the curve was started. A 10° per 100' curve was built in the heal section of the hole. At an inclination of 70°, the Cane Creek was topped at 8586' md, 7748.27' tvd. The well was landed at 8783' md, in the Cane Creek Target Dolomite. The Lateral BHA IPZIG tools were then run in the hole. The lateral was drilled in a south eastern direction in the Cane Creek. The general dip was 5.7° up from landing to at 8586' md to TD of 13,400' md.

A 24 hour, two man geologist well site service began on February 6, 2014 at 1093', the base of surface casing. 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, the lithology drilled, gas flares along with fracture indicators such as mud loss, mud motor stalls and pressure spikes.

24-2H

JURASSIC,TRIASSIC, PERMIAN

The well spudded near top, Jurassic, Wingate Sandstone and was drilled with air/water to 1093' in the Triassic, Moenkopi Formation where 13 3/8 inch surface casing was set and cemented. Geologic service started at this depth. Air/ water continued to be used as a drilling medium as drilling resumed using a 12 ¼" air hammer bit.

The Moenkopi consisted of red, rust colored sandstone, very fine to fine grained and rusty red-brown, soft, calcareous shale. Samples consisted largely of loose quartz sand grains with some calcareous cemented clusters and soft, silty, calcareous shale. Due to drilling with air and water much of the shale tends to be pulverized by the hammer action of the bit and washes out of the samples.

The Permian, Cutler Group was picked at 1575'based on correlation with offset wells and the drilled lithology of thick, massive, arkosic, red-maroon, very fine to coarse grained, calcareous sandstones. A sandstone /conglomerate containing pebbles of igneous rocks and quartzite was noted at the top of the Cutler. At 2752' the color of the sediments being drilled, slowly began changing from red to gray. Sandstone which was the dominate lithology to 2752' slowly gave way to limestone and dark gray platey to fissle shale. The limestone was light gray to cream in color, micro-crystalline to dense and hard and tight. Interbedded with the above were thin beds of white, salt and pepper appearing, fine grained sandstone.

PENNSYLVANIAN

Honaker Trail Formation

The Honaker Trail Formation was picked at 2752' where the lithology changed to light gray, micro crystalline limestone and white, fine to medium grained sandstone.

At 2752' to 2900' limestone predominated with minor amounts of white to medium gray sandstone. The limestone was light to medium gray or cream in color, fine to micro-crystalline sometimes dense, with scattered black mica flakes and traces of crinoid fossils.

From 2900' to 3200' the lithology was mostly sandstone with some thin limestone interbeds. The sandstone was white, calcareous, very fine to fine grained becoming coarser grained in the lower part.

From 2800' to 3832' the lithology was light to medium gray, tan to cream colored limestone. The limestone is generally micro-crystalline, hard and contains traces of fossils, ools and white, tan to gray chert. A zone from 3850' to 3950' contains thin beds of black, brittle, calcareous organic shale interbedded with light gray-brown, very fine to micro crystalline, dense limestone. The hole was making about 100 bbl per hour water while drilling this interval. Minor amounts of gas, less than 20 units, with a connection gas increase to 28 units, were recorded while drilling limestone from 3750' to 4181'.

Paradox Formation

The Paradox formation was picked at 4181'. Lithology consisted of limestone, light gray to light brown in color, micro-crystalline to dense, with traces of fossil fragments. Background gas of 10 to 15 units was recorded through the interval.

Top of the Ismay member was 4326' based on an increase in penetration rate and correlation to offset wells. The Ismay member consists of limestone, light to medium brown-gray in color, micro-crystalline to dense. Background gas averaged 12 units.

The top of Salt #1 was interpreted at 4376' based entirely on drill rate. Due to drilling with water the salt dissolved as it was being drilled and was not seen in samples.

Clastic #1 was topped at 4450' and consisted of interbedded black shale, anhydrite and limestone. The black shale was organic, carbonaceous and dolomitic. Limestone was light gray to light gray-brown and very fine to micro crystalline. Anhydrite was white, micro crystalline and opaque. There were several small gas increases up to 51 units from this clastic.

The top of Salt #2 at 4547' was interpreted from an increase in drill rate and some salt was actually observed in the drill cuttings. Drilling was halted at 4573' after penetrating 25 feet of Salt #2. Intermediate 9 5/8 inch P110 47lb BTC casing was then run and cemented at 4565'.

After drilling the 9 5/8" shoe track, the driller drilled more than the suggested 10' and drilled into Clastic # 2 at 4582'. An attempt at an FIT at 4595' failed. The shoe was squeezed with cement A successful FIT to 18.45 EMW was then accomplished. After a successful FIT, drilling continued using an 8 ½" diameter

PDC bit, mud motor and oil base invert mud system. With the change to oil base mud, more meaningful gas detection became possible because of the absence of air diluting the drilling fluid. While drilling ahead gas increases were recorded from various zones as detailed below.

Clastic #3: Gas increased to 5920 units from 4693' to 4698' primarily from black, organic, carbonaceous, sooty shale and brown- gray, calcareous, dolomite. Gas composition was liquid rich including methane, ethane, propane, and butanes. This show required the mud flow to be put through the MPD and gas buster where a 20' flare was observed. Mud weight was increased from 14.4 ppg to 14.6 ppg. This gas show continued to maintain background gas and generate connection gas for the remainder of the drilling to TD.

Clastic # 10: Gas to 4500 units was recorded from 6045' to 6048'. Samples in the interval indicate the gas is coming from dolomite and black shale similar in lithology to that described above. Mud wt. was 14.75 ppg.

At 6000' the curve was started for an 8° per 100' build. At 7840' a tangent section was begun at 52° inclination. The target azimuth was 147.65°

Clastic #18/19: Black, organic, carbonaceous shale and light to medium gray, calcareous, dolomite was logged at 7747' to 7753' along with some thin beds of white, anhydrite. This interval gave a gas increase to 3048 units.

At 8400' the heal section of the curve was started at a 10° per 100' build rate. The cane creek was topped at 8586' md, 7748.27' tvd at 69° inclination.

HORIZONTAL LATERAL 24-2H

CANE CREEK SHALE 7585' (-1605') sample

The upper one third "A zone" of the Cane Creek Shale is composed of alternating thin beds of anhydrite, black shale and dolomite. Anhydrite tends to predominate towards the top of the interval. Black, radioactive, carbonaceous, sooty shale and light to medium gray, silty, argillaceous dolomite predominates in the middle of the Cane Creek "B zone" and this is the principal productive interval in the shale. The lower third "C zone" is composed of alternating beds of anhydrite, dolomite and black shale. The anhydrite beds are up to 4+ feet thick and are the dominate lithology in the interval.

The top of the Cane Creek Shale "A zone" was 8586' based on drill rate and later confirmed by gamma ray. Drilling stopped at 8590', due to an instant 30 bbl of mud was lost into the formation. LCM pills were spotted and drilling resumed. At 8613' the drill pipe became stuck for a brief time. Two stands were pulled and reamed back to bottom. The stabilizer on the mud motor may have hung up on the LCM zone previously drilled.

The directional BHA was tripped out of the hole after landing at ~90° at 8783'. The IPZIG lateral BHA was run in the hole. The lateral was drilled with an 8 ½" bit. Background gas averaged 1000 to 2000 units.

While gas increases to 3500 units were recorded from down time and connections. Mud wt averaged 14.5 ppg while drilling this section.

When drilling the A zone of the Cane Creek at 8586' to 8680', gas averaged 2000 units with an increase to 3500 units from down time. At 8680' to landing point at 8783 the gas dropped to about 1000 units. While drilling the upper B zone, background gas averaged 1200 units with connection gases to 2600 units. The gas remained at 1200 to 1500 units with 3000 unit connection gasses. The gas appeared to be coming from the Clastic # 3 zone at 4690' and the top Cane Creek A Dolomite at 8588'. The gas remained low and steady to 11280' where a fracture interval was drilled to 11380' Losses climbed to 80 bbl mud per hour. Drilling was ceased and LCM pills were pumped to slow and control the mud losses. When drilling resumed a 5945 unit down time gas was recorded with a 10' flare. As drilling continued the gas remained relatively flat with the exception on connection and down time gasses. This maybe partly caused by Halliburton's Managed Pressure Drilling package controlling the ECD to 15.5 MWE.

The lateral was drilled in beds dipping an average of 5.7° up for the entire length. The lateral was drilled from a tvd of 7782' at landing, to 7290' tvd at the toe. Mud seepage to the formation was continuous while drilling from 8588 11380'. The mud seepage increased from the loss zone at 11280' to 11380'. The mud seepage continued to Td of 13400'. At 12822' the IPZIG tool failed. The decision to drill ahead with conventional gamma 46' back from the bit was made. This made steering in the Cane Creek Target more difficult. The dip was an 8.5° at 13100' the dip dropped to about 2.5 to 3° up. The wellbore then penetrated the B Hot Shale Marker, the A4 Anhydrite, the A4 Clastic and was TD'd in the A3 Anhydrite at 13400'.

This well will be completed as an oil producer from the Cane Creek Shale. The production quality depends on the amount of fracturing that has been penetrated. This well has indications that favorable fracturing is present.

Sam Spencer

Consulting Geologist

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
1	1-Feb	103'	215'	1	0	Make up hammer. Test hammer. Drill f/ 103' to 318'	Wingate
2	2-Feb	318'	465'	1 / 2	0	Drill f/ 318' to 535' to 549'Drill f/ to 549' LD single TOOH TIH Drill f/549' to 647'	Wingate
3	3-Feb	783'	310'	2	0	Drill f/ 647' to 783' repair top drive drill f/ 782' to 1093' Circulate hole clean pump hi-vis sweep. TOOH LD 17 1/2" hammer. RU Casers. Run 13 3/8" Casing, Cement, Bump plug, WOC	Chinle
4	4-Feb	1,093'	0'		0	WOC, Nipple up, Rig up flow line	Chinle
5	5-Feb	1,093'	0'		0	Rig up flow line	Chinle
6	6-Feb	1,093'	0'		0	Nipple up, rig up flow line, Test BOP	Chinle
7	7-Feb	1,093'	0'		0	Test Bop, wait on HCR valve, replace IBOP, Replace HCR valve, Rig up flow line	Chinle
8	8-Feb	1,093'	1,178'	3	0	Rig up flow line, PU, 12 1/4" hammer, NM DC's, Test Hammer, TIH, drill shoe trasck, flow lin e packed off w/ CMT. Clean out flow line, Drill w/ AIR f/ 1,093' to 2,271'	Chinle Moenkopi Cutler
9	9-Feb	2,271'	1,219'	3	0	Drill f/ 2271' to 2,325' build air mist. Drill f/ 2,325' to 2,656' Cuttings tank over full, wait on trucks. Drill f/ 2,656' to 3,490'. Mist pump down, attempt to circulate	Cutler Honaker Trail
10	10-Feb	3,490'	183'	3/4	0	Attempt to circulat, use rig pumps, circulate w/ air. String plugged. TOOH, LD hammer/bit PU new hammer /bit. Test hammer. TIH unload hole. Drill f/ 3,490' to 3,673'. Hole in flow line	Honaker Trail
11	11-Feb	3,673'	751'	4	0	Hole in flow line pull 10 stands wait on welder. Weld washed out flowline. TIH drilling f/ 3,673' to 4,424'	Honaker Trail Paradox Ismay Paradox Salt Section
12	12-Feb	4,424'	149'	4 / 5		Drill f/ 4,424' to 4,573' TD 12 1/4" hole, Circulate, Short trip, TOOH LD hammer/bit Make up 12 1/4" tricone bit TIH, Tag bottom, Load hole w/ H2O. TOOH	Paradox Salt Section
13	13-Feb	4,573'	0'			PJSM w/ Casers. RU casing crew. Run 114 jts HCP-110 BTC Set at 4565.42' Cement w/ Halliburton, wait 4 HRS. Top job cement, 220 bbl held 1100# on backside.	Paradox Salt Section

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
14	14-Feb	4,573'	0'			Halliburton MPD. Teat BOP. 250 low, 10,000# hi, 5000 Hydrill,	Paradox Salt Section
15	15-Feb	4,573'	22'			Test Casing to 6600#. Test Halliburton MPD PU BHA, TIH drill shoe track, 22' fromation f/ 4,573' to 4,595' Circulate, Pump Hi-vis LCM pill. Perform FIT. FIT failed at 15.88 MWE. TOOH	Paradox Salt Section
16	16-Feb	4,595'	0'		0	Circulate bottoms up. Wait on Halliburton cementers. RU cementers. Pump balanced cement . POOH 8 stds. Circulate . Hold 2300 psi for 6 hrs. Squeeze cement into formation at shoe.	Paradox Salt Section
17	17-Feb	4,595'	-25'		0	Hold pressure on cement. Release pressure. TOOH. PU tri-cone bit. TIH tag cement. Drill cement to 4,505' WOC. Drill CMT to 4570' Circulate, Spot Hi-Vis LCM pill. Perform FIT FIT held 18.45 MWE.	Paradox Salt Section
18	18-Feb	4,570'	0'	6	0	Clean pits, transfer OBM to pits. . TOOH LD bit/bit sub. PU, scribe directional tools. TIH.Displace water w/ OBM	Paradox Salt Section
19	19-Feb	4,570'	957'	6	0	Displace H2O w/ OBM, Circulate through MPD. Drill f/ 4,570' to 5,527	Paradox Salt Section
20	20-Feb	5,527'	36'	6	111	Drill f/ 5,527' to 5563' MPD Choke accumulator malfunction. Troubleshoot. Raaise mud wt f/ 14.5 to 15.8 ppg. TOOH to casing. Pump diesel through Halliburton MPD lines. Replace MPD Choke skid. TIH Cilculate.	Paradox Salt Section
21	21-Feb	5,563'	473'	6	0	Circulate and condition mud, lower mud wt to 14.9. Drill f/ 5,563' to 6,036' TOH check bit/motor. Strip out to 4,663' Displace 14.7 mud w/ 16.8 ppg kill mud.	Paradox Salt Section
22	22-Feb	6,036'	22'	7	64	TOOH: XO bit/mudmotor. TIH displace 16.8 kill mud w/ 14.9 mud. Drilling ahead f/ 6,036' to 6,058'	Paradox Salt Section
23	23-Feb	6,058'	297'	7	92	Drill f/ 6,058' to 6,097' Rig service. Drill f/ 6,097' to 6,355'	Paradox Salt Section
24	24-Feb	6,355'	797'	7	2	Drill f/ 6,355' to 6,394' Blew pop off, work on pump. Drill f/ 6,394' to 7,152'	Paradox Salt Section
25	25-Feb	7,152'	1,163'	7	70	Drill f/ 7,152' to 7,630' Rig service. Drill f/ 7,630 to 8,315'	Paradox Salt Section
26	26-Feb	8,315'	258'	7	53	Drill f/ 8,315' to 8,573'	Paradox Salt Section
27	27-Feb	8,573'	120'	7	5	Drill f/ 8,573' to 8,589' Lost 30 bbl mud. Top of Cane Creek 8,584'. Circulate condition mud pump LCM sweeps, XO rotating head. Drill f/ 8589' to 8,613' Work tight hole, Free up pipe, Pull 2 stands ream back to bottom. Drill f/ 8,613' to 8,693'	Paradox Salt Section Cane Creek

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
28	28-Feb	8,693'	90'	7	1	Drill f/ 8,693 to 8,783'. Land curve. Circulate. Strip out MPD holding 440 psi. to 6,142'. Displace 14.7 mud w/ 16.6 ppg kill mud	Cane Creek
29	1-Mar	8,783'	0'	7/8	194	Pump Slug, TOOH, 5 min/std. Work BHA. LD motor/bit/mwd, PU new Motor/bit/MWD. Test MWD. TIH, Slip and Cut Drilling line. Displace 16.6 kill mud/ 14.7 mud	Cane Creek
30	2-Mar	8,783'	352'	8	28	Pump slug, TOOH, Change out BHA, Surface test MWD. TIH, Slip and cut DRLG line. Displace 16.6 kill mud w/ 14.6 mud at shoe. Strip in hole, Log IPZIG tool over Cane Creek. Drilling f/ 8,783' to 9,135'	Cane Creek
31	3-Mar	9,135'	518'	8	34	Drill f/ 9,135' to 9,369' Rig srevice. Drill f/ 9,369' to 9,577' Change out rotating head. Drill f/ 9,577' to 9,653'	Cane Creek
32	4-Mar	9,653'	604'	8	37	Drill f/ 9,653' to 9,846'. Rig service. Drill f/ 9,846' to 10,257'	Cane Creek
33	5-Mar	10,257'	694'	8	56	Drill f/ 10,257' to 10,421' Rig service. Drill f/ 10,421' to 10,951'.	Cane Creek
34	6-Mar	10,951'	425'	8	63	Drill f/ 10,951' to 11,376' Hole taking mud f/ 11,280'-11,375'. Circulate condition mud. Open well commander. Pump LCM.	Cane Creek
35	7-Mar	11,376'	44'	8	265	Circulate and condition mud. Pump LCM. Close Well Commander, Drilling f/ 11,376' to 11,420' Attempt to slide, Work tight hole, Mudmotor failed. TOOH. Strip out to 4600'. Pump 16.6 kill mud. TOOH Change Mudmotor/bit/MWD.	Cane Creek
36	8-Mar	11,420'	0'	8/9	6	TOOH. LD motor/bit. MWD tool. PU new 1.5° mudmotor/bit. MWD tool. Scribe motor. Surface test MWD. TIH to 5,525' Displace 16.6 kill mud w/ 14.5 mud, Strip in hole	Cane Creek
37	9-Mar	11,420'	244'	9	96	Strip in the 11,420'. Circulate BU. Drill f/ 11,420' to 11,664'	Cane Creek
38	10-Mar	11,664'	332'	9	78	Drill f/ 11,664' to 11,996'	Cane Creek
39	11-Mar	11,996'	448'	9	31	Drill f/ 11,996' to 12,444'	Cane Creek
40	12-Mar	12,444'	357'	9	52	Drill f/ 12,444' to 12,801'	Cane Creek

DAILY DRILLING SUMMARY
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H

DAY	DATE 2014	DEPTH 06:00 HRS	24 HR FOOTAGE	BIT #	Mud Losses	24 HR ACTIVITY	FORMATION
41	13-Mar	12,801'	235'	9	34	Drill f/ 12,801' to 13,003' Rig service. Drill f/ 13,003' to 13,036'	Cane Creek
42	14-Mar	13,036'	364'	9	60	Drill f/ 13,036' to 13,400' TD well @ 00:15 Hrs 3/15/2014, Circ BU, Wiper trip	Cane Creek
43	15-Mar	13,400'	0'	9	47	Wiper trip to 6,000', strip back to bottom, circulate BU, pump LCM pill. TOOH, LD DP	Cane Creek
44	16-Mar	13,400'	0'	9	44	LD DP to 11,200' Splt LCM, TOOH LD DP to 8500. Spot 16.0 Kill mud. TOOH LD DP	Cane Creek
45	17-Mar	13,400'	0'		183	TOOH LD DP to 4600' Slip and cut drilling line. TOOH stand pipe back in derrick., PJSM w/ Casers, RU Casers, CRT, PU landing joint/ mandrel. Measure ti well head. LD landing jt. MU shoe, float. Run 7# HCP-110 BTC 29& 32# CSG	Cane Creek
46	18-Mar	13,400'	0'			Run 7" HCP-110 BTC 29# 32# to 7050'. Well flowing 2.5 bbl/hr. Install rotating head. Strip in hole w/ 7" casing to 8,502'. Displace 16.0 kill mud w/ 14.6 mud. Strip in with MPD holding 500-700 psi pressure on well head	Cane Creek
47	19-Mar	13,400'	0'			Strip 7" casing in the hole to 13,362'. Circulate BU. PJSM w/ Cementers. RU cementers. Test lines. Pump cement. Set 7" HCP-110 BTC 32 & 29# at 13,374'. Cement with 30 bbl diesel. 40 bbl tuned spacer. 127 bbl lead, 150 bbl tail. Displace with 480 bbl CaCl H2O. Bump plug. Float held. Geologists released 04:00 hrs 3/20/14	Cane Creek

BIT RECORD
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK # 24-2H

OPERATOR: FIDELITY EXPLORATION & PRODUCTION CO.

CONTRACTOR: Nabors Rig M38

SPUD DATE Febuary 1, 2014

WELL NAME: CANE CREEK UNIT # 24-2

RIG MAKE: Loadmaster 142' 550K 1500 HP

LOCATION: Sec 24, T26S, R19E 650' FNL & 2829' FEL

PUMPS: 2 H&H 1600 12"

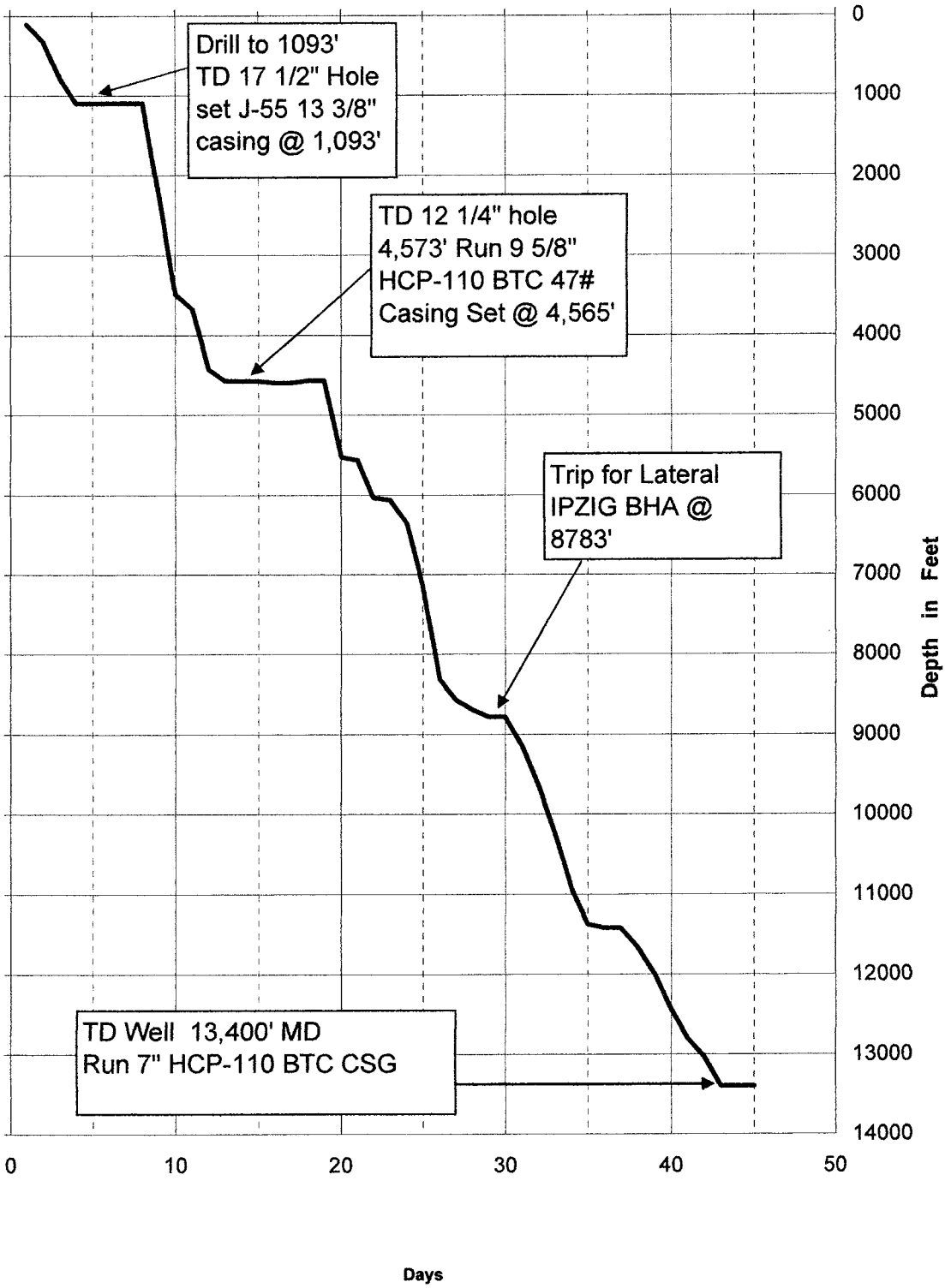
TD DEPTH/ DATE: 13,400' March 15, 2014

GROUND LEVEL: 6,051' (meas. Graded)

KELLY BUSHING: 6,074" (meas. Graded)

Bit #	Size	Make	Type	Jets	Serial #	Depth In	Depth Out	Ftg	Hours	Ft/Hr	Vert. Dev.
1	17 1/2	NUMA	P125 Patriot	1.125"x3	206084	103'	600'	497'	13.0	38.2	0.5
2	17 1/2"	NUMA	P125 Patriot	1.125"x3	206086	600'	1,093'	493'	7.0	70.4	0.5
3	12.28"	NUMA	N125 Challenger	1.125"x3	214847	1,093'	3,490'	2,397'	33.0	72.6	0.2
4	12.28"	NUMA	N125 Challenger	1.125"x3	208360	3,490'	4,573'	1,083'	20.4	53.1	0.5
5	8 1/2"	HAL/SEC	MD55M5	5x20	12285120	4,573'	4,595'	22'	0.3	73.3	0.2
6	8 1/2"	HAL/SEC	MD55M5	5x20	12213010	4,570'	6,036'	1,466'	25.2	58.2	1
7	8 1/2"	STC/SLB	MDi611	6x18	JH3469	6,036'	8,783'	2,747'	95.9	28.6	Curve
8	8 1/2"	STC/SLB	MDi611	6x20	JH3461	8783	11,420'	2,637'	95.7	27.6	Lateral
9	8 1/2"	STC/SLB	MDi611	6x22	JH3454	11420	13,400'	1,980'	104.5	18.9	Lateral

TIME VS DEPTH
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT # 24-2H



FIDELITY EXPLORATION AND PRODUCTION
INVERT MUD REPORTS
CANE CREEK UNIT # 24-2H

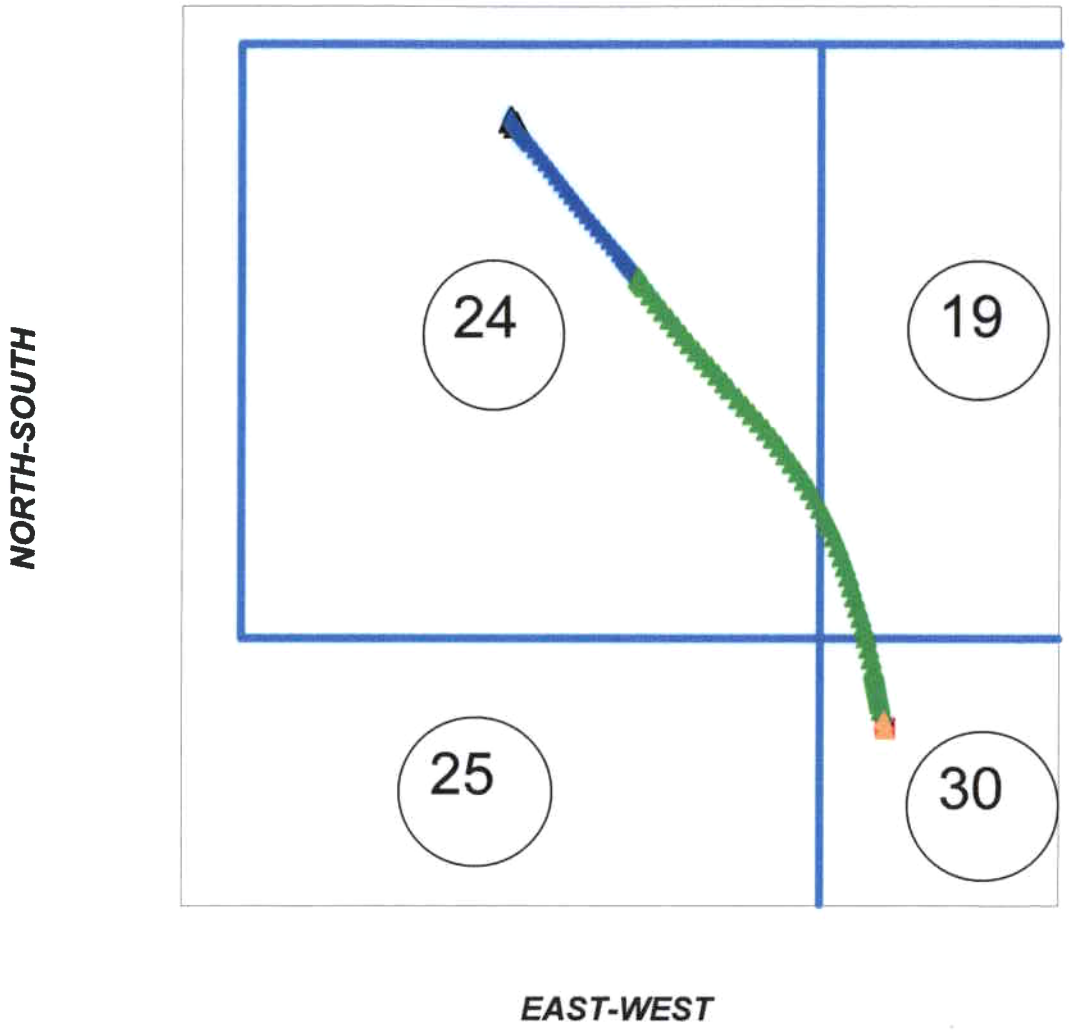
DATE 2014	DEPTH	Flow Line Temp	WT	FV	PV	YP	GELS	API FILT	OIL/WATER	ELECTRIC STABILITY	CORRECTED SOLIDS	NaCl % wt	CaCl2 % wt	MgCl2 % wt	24 HOUR MUD LOSSES
19-Feb	4610	70	14.50	60	25	11	7/9	2	77.7/22.3	400	22.00	5.90	25.3	6.80	111
20-Feb	5563	91	15.70	58	30	15	10/12	2	81.7/18.3	635	29.90	5.80	25.4	1.30	0
21-Feb	5850	98	14.75	52	24	19	11/13	2	81.6/18.4	680	25.90	1.70	30.50	7.90	0
22-Feb	6036	72	14.90	58	24	19	10/12	2	81.4/18.6	705	26.40	0.90	30.8	8.00	64
23-Feb	6097	100	14.70	50	24	20	12/14	2	82.2/17.8	845	24.70	4.60	27.8	2.50	92
24-Feb	6450	116	14.70	48	25	20	14/17	2	81.9/18.1	886	27.50	4.20	28.8	5.90	2
25-Feb	7466	116	14.70	47	24	21	13/15	2	81.7/18.3	830	25.90	4.20	28.8	5.90	70
26-Feb	8453	117	14.65	48	26	18	14/17	2	83.1/16.9	835	26.10	3.50	30.3	5.80	53
27-Feb	8589	115	14.65	50	23	22	13/15	2	83.3/16.7	935	25.80	3.80	29.7	2.60	5
28-Feb	8,721	110	14.55	50	24	22	13/15	2	83.3/16.7	895	25.10	3.50	30.3	5.80	1
1-Mar	8783	112	14.55	50	24	22	13/15	2	83.3/16.7	885	25.30	3.70	29.9	5.30	194
2-Mar	8816	103	14.75	48	22	18	12/14	2	83.3/16.7	920	24.90	3.00	31.60	6.80	28
3-Mar	9369	112	14.80	48	25	20	13/15	2	83.3/16.7	853	26.40	3.00	32	7.30	34
4-Mar	9835	109	14.60	50	24	24	14/18	2	83.3/16.7	930	24.80	3.80	29.6	7.40	37
5-Mar	10508	116	14.50	48	25	21	15/19	2	84.6/15.4	980	26.30	3.60	30.2	3.40	56
6-Mar	11102	117	14.50	51	27	20	16/19	2	85.9/14.1	983	26.60	2.30	33.4	4.90	63
7-Mar	11420	104	14.50	57	28	19	17/20	2	85.9/14.1	950	29.00	2.50	33	4.50	265
8-Mar	11420	na	14.45	62	24	18	14/18	2	87.1/12.9	955	27.40	1.90	34.7	7.40	6
9-Mar	11439	106	14.40	53	23	17	14/19	2	87.1/12.9	931	27.50	1.60	35.7	5.70	96
10-Mar	11758	113	14.40	51	24	18	14/18	2	85.4/14.6	889	26.00	3.30	30.9	2.40	78
11-Mar	12147	111	14.45	51	25	18	14/18	2	86/14	941	26.20	2.50	32.9	4.90	31
12-Mar	12612	112	14.40	53	23	21	15/20	2	86/14	867	28.50	3.80	29.5	5.10	52
13-Mar	12847	115	14.40	52	24	20	15/20	2	86.2/13.8	867	27.50	3.50	30.3	3.20	60
14-Mar	13373	107	14.50	53	25	25	15/20	2	87.5/12.5	840	26.00	1.40	36.3	1.40	61
15-Mar	13400	96	14.45	60	25	19	15/20	2	87.4/12.6	849	26.50	1.40	36.6	3.30	47
16-Mar	13400	99	14.55	95	26	19	15/20	2	85.8/14.2	847	27.00	2.30	33.3	5.50	44
17-Mar	13400	na	14.65	80	25	19	16/20	2	85.9/14.1	823	26.80	3.10	31.3	4.40	183
18-Mar	13400	na	14.65	80	25	19	16/20	2	85.9/14.1	823	26.80	3.10	31.3	4.40	0
19-Mar	13400	na	14.60	60	21	16	12/16	2	85.8/14.2	844	27.90	4.50	28.20	1.30	0

SALT TOPS
FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT 24-2H

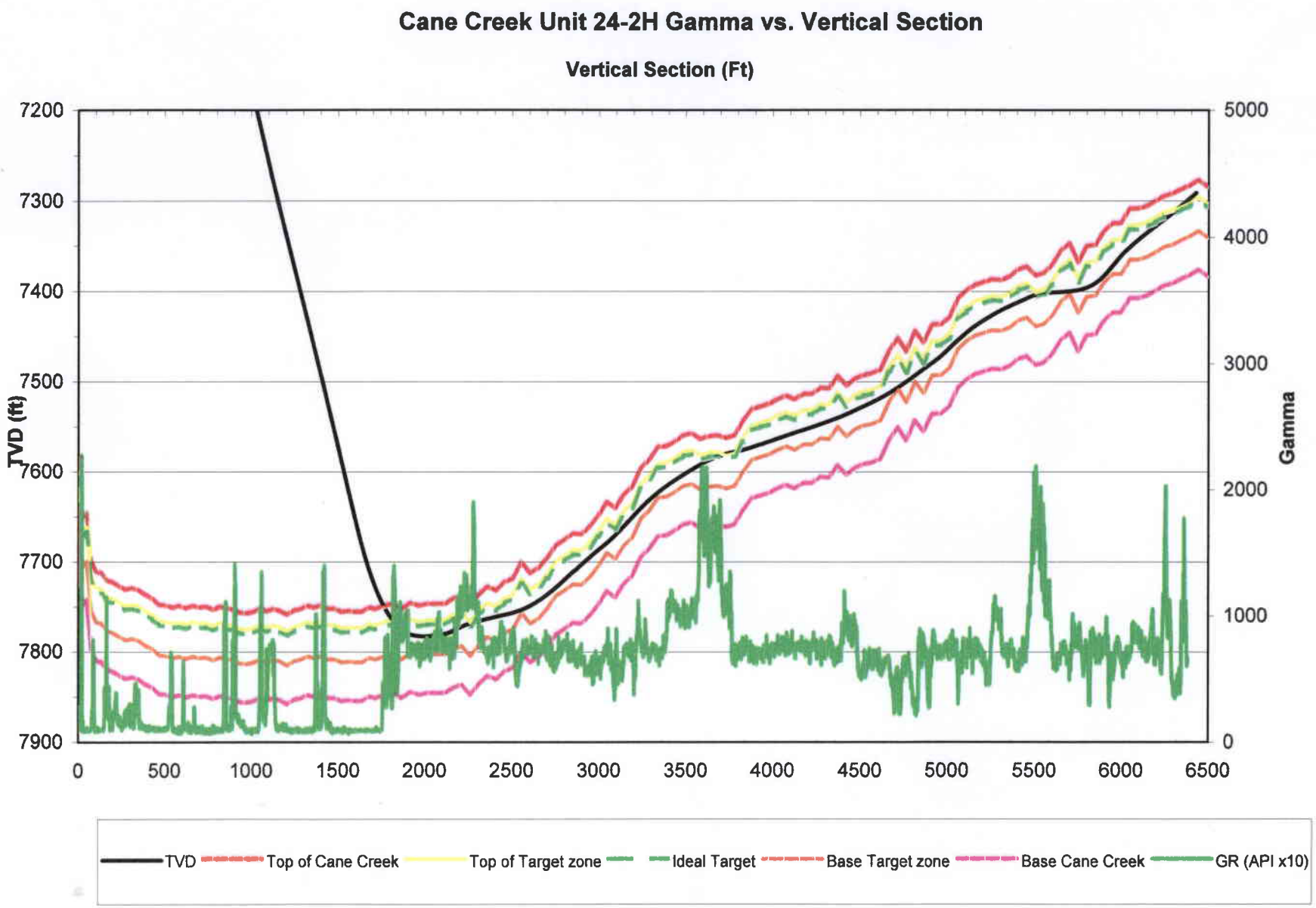
KB: 6074'(meas)

Formation	MD Top	TVD	Sub Sea	Tops 24-1	Higher/Lower
Wingate SS	Surface				
Chinle	746'	746.00'	5,328'		
Moenkopi	1,150'	1,150.00'	4,924'		
Cutler	1,575'	1,575.00'	4,499'		
Honaker Trail	2,752'	2,752.00'	3,322'		
Paradox	4,181'	4,180.00'	1,894'		
Ismay	4,326'	4,325.00'	1,749'		
Salt # 1	4,376'	4,375.00'	1,699'		
Clastic # 1	4,450'	4,449.87'	1,624'		
Salt # 2	4,547'	4,546.87'	1,527'		
9 5/8" Casing pt	4,565'	4,564.87'	1,509'		
Clastic # 2	4,582'	4,581.87'	1,492'		
Salt # 3	4,652'	4,651.87'	1,422'	4,652'	0'
Clastic # 3	4,683'	4,682.87'	1,391'	4,683'	0'
Salt # 4	4,714'	4,713.87'	1,360'	4,714'	0'
Clastic # 4	4,882'	4,881.87'	1,192'	4,882'	0'
Salt # 5	4,967'	4,966.87'	1,107'	4,963'	-4'
Clastic # 5	5,322'	5,321.87'	752'	5,317'	-5'
Salt # 6	5,351'	5,350.87'	723'	5,352'	1'
Clastic # 6	5,465'	5,464.87'	609'	5,462'	-3'
Salt # 7	5,483'	5,482.87'	591'	5,473'	-10'
Clastic # 7	5,563'	5,562.87'	511'	5,551'	-12'
Salt # 8	5,618'	5,617.87'	456'	5,600'	-18'
Clastic # 8	5,724'	5,723.87'	350'	5,696'	-28'
Salt # 9	5,781'	5,780.87'	293'	5,750'	-31'
Clastic # 9	5,948'	5,947.83'	126'	5,960'	12'
Salt # 10	5,982'	5,981.81'	92'	5,992'	10'
Clastic # 10	6,003'	6,002.82'	71'	6,008'	5'
Salt # 11	6,071'	6,070.82'	3'	6,055'	-16'
Clastic # 11	6,080'	6,070.80'	3'	6,090'	19'
Salt # 12	6,116'	6,115.66'	-42'	6,106'	-10'
Clastic # 12	6,124'	6,123.59'	-50'	6,217'	93'
Salt # 12 repeat	6,139'	6,138.41'	-64'	6,106'	-32'
Clastic # 12 repeat	6,260'	6,255.54'	-182'	6,217'	-39'
Salt # 13	6,286'	6,280.12'	-206'	6,250'	-30'
Clastic # 13	6,404'	6,384.89'	-311'	6,320'	-65'
Salt # 14	6,436'	6,411.21'	-337'	6,332'	-79'
Clastic # 14	6,522'	6,487.12'	-413'	6,373'	-114'
Salt # 15	6,577'	6,519.35'	-445'	6,398'	-121'
Clastic # 15	7,016'	6,796.85'	-723'	6,526'	-271'
Salt #16	7,049'	6,816.88'	-743'	6,545'	-272'
Clastic # 16	7,123'	6,862.00'	-788'	6,570'	-292'
Salt # 17	7,133'	6,868.12'	-794'	6,585'	-283'
Clastic # 17	7,422'	7,047.22'	-973'	6,818'	-229'
Salt # 18	7,444'	7,061.88'	-988'	6,836'	-226'
Clastic # 18/19	7,687'	7,214.06'	-1,140'	7,145'	-69'
Salt # 20	7,820'	7,297.90'	-1,224'	7,200'	-98'
Clastic # 20	8,104'	7,470.43'	-1,396'	7,320'	-150'
Salt # 21	8,132'	7,487.67'	-1,414'	7,335'	-153'
Cane Creek	8,584'	7,747.25'	-1,673'	7,590'	-157'

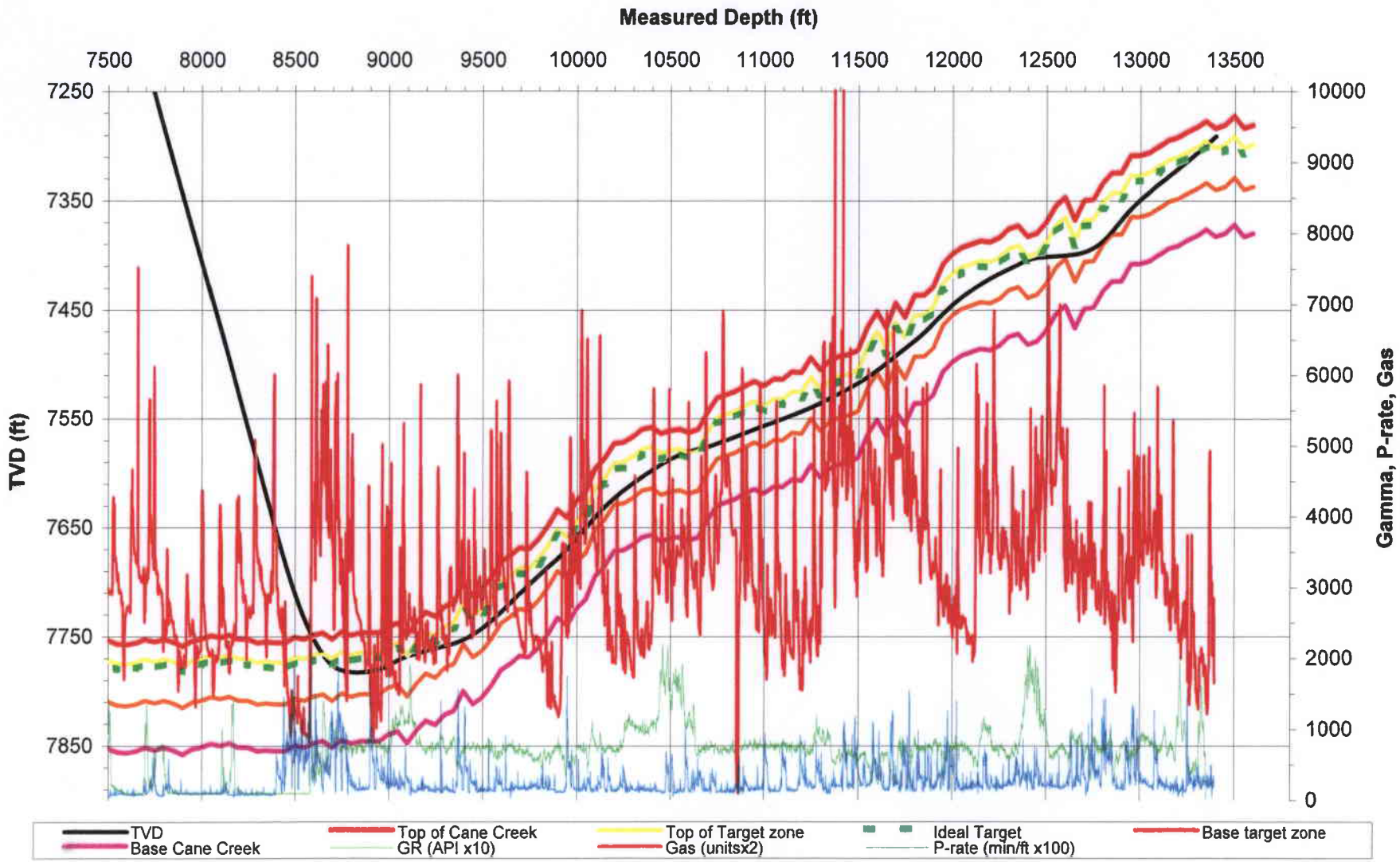
FIDELITY E&P CO.
CANE CREEK UNIT # 24-2H
SEC 24, T26S R19E
GRAND COUNTY,
UTAH



- SHL
- BHL
- Build
- Lateral In Zone
- 7" Casing
- Section Lines
- Lateral out of Zone


Cane Creek Unit 24-2H Gamma vs. Vertical Section
Vertical Section (Ft)
TVD (ft)
Gamma
7200
7300
7400
7500
7600
7700
7800
7900
5000
4000
3000
2000
1000
0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
TVD
Top of Cane Creek
Top of Target zone
Ideal Target
Base Target zone
Base Cane Creek
GR (API x10)

Fidelity Cane Creek Unit 24-2H TVD vs. GR, ROP, Gas



FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

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

PHONE NUMBER: 720 931-6459 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ✓ DRILLING REPORT — Report Date: 5/5/2014

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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.

There was no work done on this well in 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

RECEIVED: May. 06, 2014

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202

PHONE NUMBER: 713 351-1968 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 6/5/2014
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
✓ 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.

The Cane Creek 24-2 had first production on 6/5/2014. 227 BO.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 23, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sandi Stocker	720 931-9637	Engineering Tech

SIGNATURE	DATE
N/A	9/23/2014

RECEIVED: Sep. 23, 2014

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202

PHONE NUMBER: 713 351-1968 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 10/27/2014
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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	DATE
N/A	10/27/2014

RECEIVED: Oct. 27, 2014

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: UTU65973

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME: UTU80000X

8. WELL NAME and NUMBER: Cane Creek Unit 24-2

9. API NUMBER: 4301950034

10 FIELD AND POOL, OR WILDCAT: Cane Creek

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Fidelity Exploration & Production Co

3. ADDRESS OF OPERATOR: 1801 California St, Ste 2[illegible] CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 893-3133

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 650 FNL 2829 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 865 FEL 2277 FSL
AT TOTAL DEPTH: 792 FNL 632 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 24 26S 19E S

12. COUNTY: Grand

13. STATE: UTAH

14. DATE SPUDDED: 2/1/2014

15. DATE T.D. REACHED: 6/3/2014

16. DATE COMPLETED: 6/3/2014 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6051 GL

18. TOTAL DEPTH: MD 13,400 TVD 7,291

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	102		10 yrds			
17 1/2	13 3/8 J55	54.5	0	1,093		G 670	274		
12 1/4	9 5/8 HCP[illegible]	47	0	4,565		G 723	268		
8 1/2	7 HCP[illegible]	29	0	4,416					
8 1/2	7 HCP[illegible]	32	4,416	13,374		G 1,17[illegible]	276		

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 Creekl	9,877	13,280		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
9,877	9,940	.35	315	Open ☑ Squeezed ☐
10,030	10,970	.35	4,700	Open ☑ Squeezed ☐
11,050	11,620	.35	2,850	Open ☐ Squeezed ☐
11,700	11,770	.35	350	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:
6/5/2014		6/5/2014		24			227	106	0	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:

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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.
Cane Creek	9,877	9,940	
	10,030	10,970	
	11,050	11,620	
	11,700	11,770	
	11,800	12,710	
	12,810	13,280	

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Kaventa	0
Chinle	746
Moenkopi	1,150
Cutler	1,577
Honaker Trail	2,752

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 Technician

SIGNATURE Sandi Stocker DATE 10/23/2014

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

Completion Report (continued)

No. 27 - Perforation Record	Interval				
	Top MD	Bottom MD	Size	No. Holes	Perforation Status
Continued	11800	12710	0.35	4550	Open
	12810	13280	0.35	2350	Open

RECEIVED: Oct. 23, 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 24-2H

Grand County, UT

Prepared by: Jeff Milburn

RECEIVED: Oct. 23, 2014

PATHFINDER
A Schlumberger Company
1285 Derrick Dr.
Casper, WY 82604
(307) 265-3145

Directional Survey Certification Form

Fidelity Exploration	**Cane Creek 24-2H**	**April 26, 2014**
Company	Well Name	Final Report Date
14FMG0009	**Grand County, UT**	**43-019-50034**
Job Number	County, State	API Number
N 38° 31' 56.4456"	**W 109° 46' 23.6892"**	**Sec. 024-T026S-R19E**
Surface Latitude	Surface Longitude	Sec. - TWP - Range
NAD 27	**NABORS M38**	**23'**
Geodetic Datum	Rig Contractor / Name	RKB Height

Type of Surveys	**Measurements While Drilling (MWD)**		
Survey Depths (Measured Depth)	**4480'**	to	**13400'**
Survey Dates	**02/19/14**	to	**03/05/14**
Persons Performing Surveys	**Paul Foreman** **Stewart Robertson**		

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

April 26, 2014
Date

RECEIVED: Oct. 23, 2014

PathFinder Energy Services, Inc.
BHL Report

Tie-in Date: 02/19/2014
Date Completed: 03/05/2014

FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT 24-2H
GRAND COUNTY, UT
Rig:NABORS M38
PathFinder Office Supervisor: DAN HARWELL
PathFinder Field Engineers:STEWART ROBERTSON
PAUL FOREMAN
MIKE D'ANNA

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:38.31.56.4456 N LON:109.46.23.6892 W
GRID Reference:NAD27 utah central Lambert
Ref GRID Coor: X: 2494027.2140 Y: 77259.5270
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.70° EAST TO TRUE
Vertical Section Plane: 147.65
Survey Vert. Reference: 23.00' Rotary Table To Ground
Altitude:6051.00' Ground To MSL

Measured Depth	13400.00	(feet)
Inclination	98.75	(deg)
Azimuth	168.77	(deg)
True Vertical Depth	7290.96	(feet)
Vertical Section	6427.74	(feet)
Survey X cord	2497453.89	(feet)
Survey Y cord	71821.33	(feet)
Survey Lat	38.51723648 N	(deg)
Survey Lon	109.76164225 W	(deg)
Rectangular Corr. N/S	5438.19 S	(feet)
Rectangular Corr. E/W	3426.68 E	(feet)
Closure Distance	6427.76	(feet)
Direction of Closure	147.78	(deg)
Dogleg Severity	0.00	(deg/100ft)

RECEIVED: Oct. 23, 2014

Tie-in Date: 02/19/2014
Date Completed: 03/05/2014

PathFinder Energy Services, Inc.
Survey Report

FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT 24-2H
GRAND COUNTY, UT
Rig:NABORS M38
PathFinder Office Supervisor: DAN HARWELL
PathFinder Field Engineers: STEWART ROBERTSON
PAUL FOREMAN
MIKE D'ANNA
Survey Calculations by RX5 V6.05 using Minimum Curvature

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:38.31.56.4456 N LON:109.46.23.6892 W
GRID Reference:NAD27 utah central Lambert
Ref GRID Coor: X: 2494027.2140 Y: 77259.5270
North Aligned To:TRUE NORTH
Total Magnetic Correction:10.70° EAST TO TRUE
Vertical Section Plane: 147.65
Survey Vert. Reference: 23.00' Rotary Table To Ground
Altitude:6051.00' 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)
TIE IN TO EXTREME MWD SURVEYS AT 4480'MD.												
4480.00	0.71	266.77	4479.95	96.00	-14.81	10.21 N	11.55 W	38.53237464 N	109.77328667 W	15.42@	311.48	0.58
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.												
4605.00	0.35	280.66	4604.94	125.00	-15.44	10.24 N	12.70 W	38.53237477 N	109.77329068 W	16.31@	308.87	0.30
4700.00	0.26	263.99	4699.94	95.00	-15.74	10.27 N	13.20 W	38.53237488 N	109.77329242 W	16.72@	307.88	0.13
4795.00	0.70	84.99	4794.94	95.00	-15.57	10.30 N	12.83 W	38.53237494 N	109.77329115 W	16.45@	308.74	1.01
4889.00	1.14	70.49	4888.93	94.00	-15.09	10.66 N	11.38 W	38.53237586 N	109.77328605 W	15.59@	313.12	0.53
4985.00	1.49	78.67	4984.90	96.00	-14.43	11.22 N	9.26 W	38.53237730 N	109.77327859 W	14.55@	320.48	0.41
5079.00	0.35	159.90	5078.89	94.00	-13.72	11.19 N	7.96 W	38.53237715 N	109.77327406 W	13.73@	324.58	1.57
5176.00	0.35	40.17	5175.89	97.00	-13.51	11.14 N	7.67 W	38.53237699 N	109.77327304 W	13.52@	325.47	0.62
5271.00	0.70	28.82	5270.89	95.00	-13.88	11.87 N	7.20 W	38.53237897 N	109.77327136 W	13.88@	328.76	0.38
5366.00	0.88	23.33	5365.88	95.00	-14.57	13.05 N	6.63 W	38.53238217 N	109.77326929 W	14.64@	333.06	0.21
5462.00	0.26	69.60	5461.87	96.00	-14.94	13.80 N	6.14 W	38.53238421 N	109.77326751 W	15.10@	336.04	0.75
5558.00	0.26	37.25	5557.87	96.00	-14.97	14.05 N	5.80 W	38.53238488 N	109.77326632 W	15.20@	337.57	0.15
5654.00	0.53	353.74	5653.87	96.00	-15.45	14.67 N	5.72 W	38.53238656 N	109.77326598 W	15.74@	338.71	0.40
5750.00	0.88	352.26	5749.86	96.00	-16.52	15.84 N	5.86 W	38.53238979 N	109.77326642 W	16.89@	339.69	0.36
5845.00	1.06	356.51	5844.85	95.00	-17.95	17.44 N	6.02 W	38.53239419 N	109.77326684 W	18.45@	340.97	0.20
5941.00	1.23	1.78	5940.83	96.00	-19.58	19.35 N	6.04 W	38.53239945 N	109.77326679 W	20.27@	342.68	0.21
5973.00	1.06	9.34	5972.82	32.00	-20.09	19.99 N	5.98 W	38.53240119 N	109.77326654 W	20.87@	343.35	0.71
6005.00	0.62	38.55	6004.82	32.00	-20.36	20.42 N	5.82 W	38.53240235 N	109.77326597 W	21.23@	344.08	1.88
6037.00	0.44	144.54	6036.82	32.00	-20.30	20.45 N	5.64 W	38.53240244 N	109.77326534 W	21.22@	344.57	2.67
6068.00	2.20	163.82	6067.81	31.00	-19.61	19.78 N	5.41 W	38.53240059 N	109.77326456 W	20.51@	344.71	5.78
6100.00	5.01	153.58	6099.74	32.00	-17.63	17.94 N	4.62 W	38.53239550 N	109.77326192 W	18.53@	345.57	8.97
6132.00	8.88	146.98	6131.50	32.00	-13.77	14.62 N	2.65 W	38.53238627 N	109.77325526 W	14.86@	349.74	12.33
6164.00	12.05	144.60	6162.97	32.00	-7.96	9.82 N	0.63 E	38.53237293 N	109.77324412 W	9.84@	3.70	10.00
6196.00	14.42	144.91	6194.11	32.00	-0.64	3.84 N	4.86 E	38.53235628 N	109.77322975 W	6.19@	51.69	7.41

RECEIVED: Oct. 23, 2014

PathFinder Energy Services, Inc.
Survey Report

FIDELITY EXPLORATION AND PRODUCTION
CANE CREEK UNIT 24-2H
GRAND COUNTY, UT
RIG:NABORS M38

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)
6228.00	16.36	145.05	6224.97	32.00	7.84	3.11 S	9.73 E	38.53233694 N	109.77321320 W	10.22@	107.74	6.06
6260.00	17.94	149.08	6255.54	32.00	17.27	11.04 S	14.85 E	38.53231492 N	109.77319586 W	18.50@	126.62	6.18
6292.00	20.66	150.83	6285.74	32.00	27.83	20.20 S	20.13 E	38.53228950 N	109.77317801 W	28.52@	135.09	8.69
6323.00	24.97	148.06	6314.31	31.00	39.84	30.53 S	26.26 E	38.53226081 N	109.77315729 W	40.27@	139.30	14.33
6356.00	28.75	145.94	6343.75	33.00	54.75	43.02 S	34.40 E	38.53222609 N	109.77312971 W	55.08@	141.36	11.81
6388.00	31.74	146.17	6371.39	32.00	70.86	56.39 S	43.39 E	38.53218891 N	109.77309917 W	71.15@	142.42	9.35
6420.00	34.65	146.04	6398.16	32.00	88.37	70.93 S	53.16 E	38.53214848 N	109.77306601 W	88.64@	143.15	9.10
6452.00	37.46	145.78	6424.03	32.00	107.19	86.53 S	63.72 E	38.53210512 N	109.77303017 W	107.46@	143.63	8.79
6484.00	39.66	145.04	6449.05	32.00	127.12	102.94 S	75.05 E	38.53205945 N	109.77299171 W	127.39@	143.91	7.02
6516.00	40.36	144.12	6473.56	32.00	147.67	119.71 S	86.97 E	38.53201280 N	109.77295117 W	147.97@	144.00	2.86
6548.00	41.68	142.39	6497.71	32.00	168.60	136.53 S	99.54 E	38.53196595 N	109.77290839 W	168.96@	143.91	5.44
6580.00	41.77	141.84	6521.59	32.00	189.80	153.34 S	112.62 E	38.53191912 N	109.77286383 W	190.25@	143.71	1.18
6612.00	44.05	140.22	6545.03	32.00	211.44	170.27 S	126.32 E	38.53187192 N	109.77281708 W	212.01@	143.43	7.91
6644.00	47.31	139.30	6567.38	32.00	234.11	187.74 S	141.11 E	38.53182318 N	109.77276657 W	234.86@	143.07	10.39
6676.00	49.51	139.53	6588.62	32.00	257.80	205.92 S	156.68 E	38.53177246 N	109.77271339 W	258.75@	142.73	6.90
6708.00	49.95	139.78	6609.30	32.00	281.98	224.53 S	172.49 E	38.53172054 N	109.77265941 W	283.13@	142.47	1.50
6804.00	53.11	140.56	6669.02	96.00	356.49	282.25 S	220.61 E	38.53155956 N	109.77249514 W	358.24@	141.99	3.35
6900.00	52.94	140.81	6726.76	96.00	432.62	341.58 S	269.21 E	38.53139411 N	109.77232935 W	434.92@	141.76	0.27
6996.00	52.76	141.01	6784.73	96.00	508.61	400.97 S	317.45 E	38.53122853 N	109.77216476 W	511.43@	141.63	0.25
7092.00	52.41	141.04	6843.06	96.00	584.35	460.25 S	365.41 E	38.53106328 N	109.77200118 W	587.67@	141.55	0.36
7187.00	52.14	141.24	6901.19	95.00	659.00	518.76 S	412.56 E	38.53090017 N	109.77184039 W	662.81@	141.51	0.33
7282.00	51.62	141.23	6959.84	95.00	733.27	577.04 S	459.35 E	38.53073773 N	109.77168081 W	737.55@	141.48	0.55
7378.00	50.83	142.06	7019.96	96.00	807.70	635.72 S	505.80 E	38.53057418 N	109.77152248 W	812.39@	141.49	1.06
7474.00	51.44	140.76	7080.20	96.00	882.00	694.14 S	552.42 E	38.53041135 N	109.77136351 W	887.13@	141.49	1.23
7569.00	51.18	140.68	7139.58	95.00	955.61	751.54 S	599.37 E	38.53025130 N	109.77120334 W	961.28@	141.43	0.28
7664.00	50.65	140.79	7199.48	95.00	1028.82	808.63 S	646.04 E	38.53009212 N	109.77104412 W	1035.01@	141.38	0.57
7759.00	50.65	140.28	7259.71	95.00	1101.71	865.35 S	692.73 E	38.52993397 N	109.77088479 W	1108.47@	141.32	0.42
7854.00	52.50	138.97	7318.75	95.00	1175.40	922.03 S	740.95 E	38.52977581 N	109.77072014 W	1182.86@	141.21	2.23

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7949.00	52.85	138.88	7376.35	95.00	1250.07	978.98 S	790.58 E	38.52961685 N	109.77055055 W	1258.34@	141.08	0.38
8044.00	52.67	139.17	7433.84	95.00	1324.85	1036.08 S	840.18 E	38.52945748 N	109.77038112 W	1333.93@	140.96	0.31
8140.00	51.88	138.96	7492.58	96.00	1399.93	1093.45 S	889.93 E	38.52929739 N	109.77021116 W	1409.82@	140.86	0.84
8235.00	51.35	139.15	7551.57	95.00	1473.56	1149.69 S	938.73 E	38.52914040 N	109.77004444 W	1484.25@	140.77	0.58
8330.00	50.83	139.40	7611.24	95.00	1546.69	1205.71 S	986.96 E	38.52898407 N	109.76987970 W	1558.15@	140.70	0.59
8393.00	51.53	139.19	7650.73	63.00	1595.25	1242.92 S	1018.97 E	38.52888023 N	109.76977036 W	1607.22@	140.65	1.14
8425.00	53.73	140.49	7670.16	32.00	1620.45	1262.36 S	1035.36 E	38.52882601 N	109.76971438 W	1632.65@	140.64	7.59
8457.00	55.84	140.95	7688.61	32.00	1646.40	1282.60 S	1051.91 E	38.52876958 N	109.76965792 W	1658.79@	140.64	6.70
8489.00	58.92	140.87	7705.86	32.00	1673.16	1303.51 S	1068.91 E	38.52871127 N	109.76959996 W	1685.74@	140.65	9.63
8520.00	62.17	140.47	7721.10	31.00	1699.95	1324.39 S	1086.01 E	38.52865306 N	109.76954160 W	1712.73@	140.65	10.54
8552.00	65.86	140.71	7735.12	32.00	1728.49	1346.61 S	1104.27 E	38.52859109 N	109.76947930 W	1741.49@	140.65	11.55
8584.00	69.73	142.10	7747.21	32.00	1757.94	1369.76 S	1122.74 E	38.52852656 N	109.76941632 W	1771.10@	140.66	12.75
8617.00	72.55	143.53	7757.88	33.00	1789.05	1394.64 S	1141.61 E	38.52845727 N	109.76935207 W	1802.31@	140.70	9.48
8649.00	75.89	143.13	7766.58	32.00	1819.75	1419.34 S	1160.00 E	38.52838850 N	109.76928948 W	1833.06@	140.74	10.51
8681.00	79.58	142.63	7773.37	32.00	1850.91	1444.27 S	1178.87 E	38.52831908 N	109.76922524 W	1864.31@	140.78	11.63
8712.00	83.54	141.86	7777.92	31.00	1881.43	1468.50 S	1197.64 E	38.52825155 N	109.76916129 W	1894.95@	140.80	13.01
8745.00	87.14	142.45	7780.60	33.00	1914.17	1494.47 S	1217.82 E	38.52817919 N	109.76909254 W	1927.83@	140.82	11.05
8837.00	90.22	142.83	7782.72	92.00	2005.78	1567.57 S	1273.62 E	38.52797558 N	109.76890249 W	2019.75@	140.91	3.37
8928.00	92.24	141.05	7780.77	91.00	2096.30	1639.20 S	1329.71 E	38.52777599 N	109.76871138 W	2110.71@	140.95	2.96
9020.00	95.85	140.13	7774.28	92.00	2187.36	1710.09 S	1387.96 E	38.52757830 N	109.76851264 W	2202.46@	140.94	4.05
9115.00	92.86	139.94	7767.07	95.00	2281.24	1782.68 S	1448.79 E	38.52737581 N	109.76830497 W	2297.16@	140.90	3.15
9210.00	92.68	139.78	7762.48	95.00	2375.25	1855.22 S	1509.96 E	38.52717344 N	109.76809614 W	2392.04@	140.86	0.25
9306.00	92.42	139.87	7758.20	96.00	2470.26	1928.50 S	1571.83 E	38.52696901 N	109.76788492 W	2487.93@	140.82	0.29
9402.00	94.62	138.92	7752.31	96.00	2565.08	2001.24 S	1634.19 E	38.52676602 N	109.76767196 W	2583.71@	140.77	2.50
9497.00	97.43	137.73	7742.34	95.00	2658.30	2071.80 S	1697.00 E	38.52656901 N	109.76745728 W	2678.09@	140.68	3.21
9590.00	99.45	137.85	7728.69	93.00	2748.93	2139.94 S	1758.80 E	38.52637870 N	109.76724595 W	2769.97@	140.58	2.18
9686.00	99.80	137.58	7712.64	96.00	2842.16	2209.96 S	1822.48 E	38.52618311 N	109.76702818 W	2864.50@	140.49	0.46
9782.00	99.45	137.43	7696.59	96.00	2935.32	2279.75 S	1886.42 E	38.52598815 N	109.76680950 W	2959.03@	140.39	0.40

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9877.00	98.66	136.26	7681.64	95.00	3027.47	2348.18 S	1950.59 E	38.52579688 N	109.76658993 W	3052.66@	140.28	1.47
9973.00	101.39	137.75	7664.93	96.00	3120.37	2417.32 S	2015.05 E	38.52560369 N	109.76636938 W	3147.04@	140.19	3.23
10069.00	101.74	138.18	7645.68	96.00	3213.08	2487.17 S	2078.03 E	38.52540860 N	109.76615407 W	3241.02@	140.12	0.57
10166.00	99.36	137.59	7627.92	97.00	3307.05	2557.90 S	2141.97 E	38.52521104 N	109.76593543 W	3336.30@	140.06	2.53
10262.00	97.43	137.10	7613.91	96.00	3400.49	2627.74 S	2206.32 E	38.52501591 N	109.76571533 W	3431.16@	139.98	2.07
10357.00	96.64	137.17	7602.27	95.00	3493.19	2696.85 S	2270.46 E	38.52482280 N	109.76549591 W	3525.33@	139.91	0.83
10453.00	96.11	138.57	7591.61	96.00	3587.20	2767.60 S	2334.46 E	38.52462518 N	109.76527710 W	3620.68@	139.85	1.55
10549.00	93.91	140.11	7583.23	96.00	3681.82	2840.15 S	2396.76 E	38.52442275 N	109.76506432 W	3716.30@	139.84	2.79
10644.00	92.15	141.96	7578.20	95.00	3776.05	2913.90 S	2456.41 E	38.52421712 N	109.76486090 W	3811.14@	139.87	2.69
10738.00	93.65	142.45	7573.45	94.00	3869.51	2988.08 S	2513.94 E	38.52401043 N	109.76466492 W	3904.94@	139.93	1.68
10834.00	93.83	142.71	7567.19	96.00	3964.93	3064.16 S	2572.15 E	38.52379850 N	109.76446669 W	4000.64@	139.99	0.33
10929.00	93.91	143.80	7560.78	95.00	4059.43	3140.11 S	2628.86 E	38.52358700 N	109.76427372 W	4095.27@	140.06	1.15
11025.00	93.47	145.41	7554.60	96.00	4155.09	3218.21 S	2684.34 E	38.52336969 N	109.76408515 W	4190.77@	140.17	1.74
11120.00	93.91	147.29	7548.48	95.00	4249.87	3297.12 S	2736.87 E	38.52315028 N	109.76390697 W	4285.03@	140.30	2.03
11216.00	94.09	149.17	7541.78	96.00	4345.62	3378.53 S	2787.29 E	38.52292412 N	109.76373633 W	4379.90@	140.48	1.96
11312.00	95.06	152.30	7534.13	96.00	4441.16	3462.00 S	2834.07 E	38.52269252 N	109.76357856 W	4474.08@	140.70	3.40
11408.00	95.14	152.51	7525.59	96.00	4536.46	3546.75 S	2878.36 E	38.52245755 N	109.76342955 W	4567.75@	140.94	0.23
11504.00	96.02	154.28	7516.26	96.00	4631.52	3632.17 S	2921.15 E	38.52222079 N	109.76328586 W	4661.09@	141.19	2.05
11600.00	97.52	156.06	7504.94	96.00	4726.02	3718.68 S	2961.18 E	38.52198119 N	109.76315186 W	4753.65@	141.47	2.42
11696.00	97.96	159.05	7492.01	96.00	4819.72	3806.59 S	2997.50 E	38.52173796 N	109.76303095 W	4845.11@	141.78	3.12
11791.00	97.69	160.45	7479.07	95.00	4911.74	3894.88 S	3030.07 E	38.52149386 N	109.76292313 W	4934.72@	142.12	1.49
11886.00	100.42	161.15	7464.12	95.00	5003.09	3983.47 S	3060.92 E	38.52124904 N	109.76282135 W	5023.67@	142.46	2.96
11982.00	99.19	162.79	7447.77	96.00	5094.74	4073.42 S	3090.20 E	38.52100059 N	109.76272517 W	5112.93@	142.82	2.11
12078.00	96.90	163.22	7434.34	96.00	5186.39	4164.32 S	3117.98 E	38.52074960 N	109.76263428 W	5202.24@	143.18	2.43
12174.00	95.85	163.04	7423.68	96.00	5278.34	4255.62 S	3145.66 E	38.52049751 N	109.76254375 W	5292.02@	143.53	1.11
12269.00	94.79	161.34	7414.87	95.00	5369.89	4345.67 S	3174.60 E	38.52024879 N	109.76244878 W	5381.72@	143.85	2.10
12365.00	94.97	163.29	7406.70	96.00	5462.43	4436.80 S	3203.65 E	38.51999710 N	109.76235345 W	5472.53@	144.17	2.03
12461.00	90.84	165.26	7401.84	96.00	5554.27	4529.06 S	3229.63 E	38.51974246 N	109.76226896 W	5562.63@	144.51	4.77

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12556.00	90.57	165.40	7400.67	95.00	5644.78	4620.96 S	3253.68 E	38.51948893 N	109.76219115 W	5651.52@	144.85	0.32
12652.00	91.54	166.13	7398.90	96.00	5736.00	4713.99 S	3277.29 E	38.51923230 N	109.76211501 W	5741.28@	145.19	1.26
12748.00	95.41	167.13	7393.08	96.00	5826.60	4807.20 S	3299.44 E	38.51897528 N	109.76204393 W	5830.56@	145.54	4.16
12844.00	101.74	168.44	7378.78	96.00	5915.68	4899.93 S	3319.52 E	38.51871968 N	109.76198006 W	5918.49@	145.88	6.73
12875.00	102.18	168.62	7372.35	31.00	5944.01	4929.65 S	3325.56 E	38.51863778 N	109.76196101 W	5946.49@	146.00	1.53
12907.00	102.44	169.08	7365.53	32.00	5973.16	4960.32 S	3331.60 E	38.51855326 N	109.76194197 W	5975.31@	146.11	1.62
12939.00	100.77	168.91	7359.09	32.00	6002.36	4991.09 S	3337.58 E	38.51846849 N	109.76192316 W	6004.20@	146.23	5.24
12971.00	99.45	168.77	7353.48	32.00	6031.73	5022.00 S	3343.68 E	38.51838332 N	109.76190395 W	6033.30@	146.34	4.15
13003.00	98.84	169.63	7348.39	32.00	6061.11	5053.03 S	3349.60 E	38.51829782 N	109.76188538 W	6062.42@	146.46	3.27
13034.00	98.66	169.60	7343.67	31.00	6089.53	5083.17 S	3355.12 E	38.51821481 N	109.76186813 W	6090.60@	146.57	0.59
13066.00	98.40	169.53	7338.93	32.00	6118.89	5114.29 S	3360.86 E	38.51812907 N	109.76185022 W	6119.75@	146.69	0.84
13099.00	97.69	168.55	7334.31	33.00	6149.31	5146.37 S	3367.07 E	38.51804069 N	109.76183069 W	6149.98@	146.80	3.64
13131.00	98.05	168.44	7329.93	32.00	6178.94	5177.43 S	3373.39 E	38.51795509 N	109.76181071 W	6179.45@	146.91	1.18
13162.00	97.78	168.03	7325.66	31.00	6207.68	5207.49 S	3379.65 E	38.51787225 N	109.76179088 W	6208.06@	147.02	1.57
13226.00	98.05	168.20	7316.85	64.00	6267.07	5269.52 S	3392.71 E	38.51770128 N	109.76174948 W	6267.24@	147.23	0.50
13322.00	98.75	168.77	7302.82	96.00	6355.83	5362.58 S	3411.67 E	38.51744484 N	109.76168957 W	6355.84@	147.54	0.94
STRAIGHT LINE PROJECTION TO BIT DEPTH AT 13400'MD.												
13400.00	98.75	168.77	7290.96	78.00	6427.74	5438.19 S	3426.68 E	38.51723648 N	109.76164225 W	6427.76@	147.78	0.00

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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: UTU65973
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT or CA AGREEMENT NAME: UTU80000X
8. WELL NAME and NUMBER: Cane Creek Unit 24-2
9. API NUMBER: 4301950034
10 FIELD AND POOL, OR WILDCAT: Cane Creek

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Fidelity Exploration & Production Co

3. ADDRESS OF OPERATOR: 1801 California St, Ste 2[illegible] CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 893-3133

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 650 FNL 2829 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 882 FEL 2998 FNL
AT TOTAL DEPTH: 806 FNL 592 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 24 26S 19E S
12. COUNTY: Grand
13. STATE: UTAH

14. DATE SPUDDED: 2/1/2014
15. DATE T.D. REACHED: 3/15/2014
16. DATE COMPLETED: 6/3/2014 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 6051 GL

18. TOTAL DEPTH: MD 13,400 TVD 7,291
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	102		10 yrds			
17 1/2	13 3/8 J55	54.5	0	1,093		G 670	274		
8 1/2	7.00 HCP	29	0	4,416				3190	
12 1/4	9 5/8 HCP	47	0	4,565		G 723	268		
8 1/2	7 HCP	32	4,416	13,374		G 1,175	276		

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	9,877	13,280		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
9,877	9,940	.35	315	Open ☑ Squeezed ☐
10,030	10,970	.35	4,700	Open ☑ Squeezed ☐
11,050	11,620	.35	2,850	Open ☐ Squeezed ☐
11,700	11,770	.35	350	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:
6/5/2014	6/5/2014	24		227	106	0	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:

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.)

Flared

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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.
Cane Creek	9,877	9,940	
	10,030	10,970	
	11,050	11,620	
	11,700	11,770	
	11,800	12,710	
	12,810	13,280	

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Kaventa	0
Chinle	746
Moenkopi	1,150
Cutler	1,577
Honaker Trail	2,752

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) Renee Kendrick TITLE Environmental Project Specialist

SIGNATURE Renee Kendrick DATE 2/24/2015

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)

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-65973

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 24-2H

2. NAME OF OPERATOR: FIDELITY E&P COMPANY

9. API NUMBER: 43019500340000

3. ADDRESS OF OPERATOR: 1801 California St. Ste 2500 , Denver, CO, 80202

PHONE NUMBER: 720 917-3026 Ext

9. FIELD and POOL or WILDCAT: BIG FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0650 FNL 2829 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 24 Township: 26.0S 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: 5/15/2015	☐ 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 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 Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT 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.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 12, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Renee Kendrick	720 956-5752	Project Specialist
SIGNATURE N/A		**DATE** 4/28/2015

RECEIVED: Apr. 28, 2015

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU65973

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: Cane Creek

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: Cane Creek Unit 24-2H

2. NAME OF OPERATOR: Fidelity E & P Company

9. API NUMBER: 4301950034

3. ADDRESS OF OPERATOR: 1801 California St STE 2500 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (720) 956-5752

10. FIELD AND POOL, OR WILDCAT: Big Flat

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 650 FNL 2829 FEL

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 24 26S 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
5/15/2015	☐ 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: install artificial lift
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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 well number 24-2H. We plan to install a conventional beam pumping unit, as this has been determined as the most reliable and effective means of achieving the desired production rate in this well. Fidelity has committed to limiting the visual and noise impact of artificial lift systems in the Paradox field, and the system selected for this well has a low visual impact of 21 feet at the walking beam.

NAME (PLEASE PRINT): Renee Kendrick

TITLE: Environmental Project Specialist

SIGNATURE: Renée Kendrick

DATE: 4/27/2015

(This space for State use only)

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 1801 Califorina Street, Suite 2500 Denver, CO 80202	Wesco Operating, Inc. N4030 PO Box 1650 Casper, WY 82602
CA Number(s):	Unit(s): Cane Creek 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

RECEIVED
APR 12 2016
DIV. OF OIL, GAS & MINING

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

120 S. Durbin • P.O. Box 1650 • Casper, WY 82602 • 307/472-4618 • 307/265-1791 FAX

FORM 9

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

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
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
Approximate date work will start:	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
3/1/2016	☐ 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
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
Date of work completion:	☐ 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		250S	180E	2	GRAND	UT	State	State	OW	APD ✓
	4301950048	Cane Creek Unit 25-1-25-19		250S	190E	25	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950052	Cane Creek Unit 6-1-25-19		250S	190E	6	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950053	Cane Creek Unit 29-1-25-19		250S	190E	29	GRAND	UT	Federal	Federal	OW	APD ✓ 3APD
	4301950054	Cane Creek 10-1-25-19		250S	190E	10	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950055	Cane Creek Unit 30-1-25-19		250S	190E	30	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950056	Cane Creek Unit 19-2-26-20		260S	200E	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		250S	190E	14	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950058	Cane Creek Unit 2-3-25-18		250S	180E	2	GRAND	UT	Federal	State	OW	APD ✓
	4301950059	Cane Creek Unit 16-3-25-18		250S	180E	16	GRAND	UT	Federal	State	OW	APD ✓
	4301950060	Cane Creek Unit 19-1-25-19		250S	190E	19	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950061	Cane Creek Unit 32-2-25-19		250S	190E	32	GRAND	UT	State	State	OW	APD ✓
	4301950062	Cane Creek Unit 17-1-25-19		250S	190E	17	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950063	Cane Creek Unit 16-4-25-18		250S	180E	16	GRAND	UT	Federal	State	OW	APD ✓
	4301950064	Cane Creek Unit 2-4-25-18		250S	180E	2	GRAND	UT	Federal	State	OW	APD ✓
	4301950065	Cane Creek Unit 5-1-25-18		250S	180E	5	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950068	8-2-26-20		260S	200E	8	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950069	Cane Creek Unit 19-3-26-20		260S	200E	19	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950070	Cane Creek Unit 21-1-25-19		250S	190E	21	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950071	Cane Creek Unit 12-2-26-19		260S	190E	12	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950072	Cane Creek Unit 26-4-25-19		250S	190E	26	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950073	Cane Creek Unit 21-1-25-18		250S	180E	21	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950074	Cane Creek Unit 9-1-25-18		250S	180E	9	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950075	Cane Creek Unit 7-1-25-19		250S	190E	7	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950076	Cane Creek Unit 5-2-25-18		250S	180E	5	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950077	Cane Creek Unit 7-1-25-18		250S	180E	7	GRAND	UT	Federal	Federal	OW	APD ✓
	4301950078	Cane Creek Unit 13-1-25-18		250S	180E	13	GRAND	UT	Federal	Federal	OW	APD ✓
	4303750070	Three Mile Unti 12-3-29-21		290S	210E	12	SAN JUAN	UT	Federal	Federal	OW	APD ✓
	4303750071	Three Mile Unit 16-2-29-22		290S	220E	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

FORM 9

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

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 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:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
3/1/2016	☐ 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)

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

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 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:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
3/1/2016	☐ 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)

UIC FORM 5

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

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number Kane Springs 16-1	API Number 4301931341
Location of Well Footage : 960' FSL 1960' FWL County : Grand QQ, Section, Township, Range: SESW 16 25 18 State : UTAH	Field or Unit Name Cane Creek 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: Darwin Subart
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: Robert W. Kirkwood
Title: President
Date: 4/4/16

(This space for State use only)

Transfer approved by: Dan Jarvis
Title: UIC Geologist
Approval Date: 4/13/16

Comments:

(5/2000)