

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 Adelman 2-4C4 | | | | |
|--|-----------|-----------------|---|---------|--|--|---------|----------|-------|--------|
| 2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> | | | | | | 3. FIELD OR WILDCAT ALTAMONT | | | | |
| 4. TYPE OF WELL Oil Well Coalbed Methane Well: NO | | | | | | 5. UNIT or COMMUNITIZATION AGREEMENT NAME | | | | |
| 6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P. | | | | | | 7. OPERATOR PHONE 713 997-5038 | | | | |
| 8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002 | | | | | | 9. OPERATOR E-MAIL maria.gomez@epenergy.com | | | | |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee | | | 11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> | | | 12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> | | | | |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee') Selma L. Adelman | | | | | | 14. SURFACE OWNER PHONE (if box 12 = 'fee') 310-275-1582 | | | | |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 9255 Doheny Rd. No. 1402, Los Angeles, CA 90069 | | | | | | 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 <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> | | | 19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> | | | | |
| 20. LOCATION OF WELL | | FOOTAGES | | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN | | |
| LOCATION AT SURFACE | | 700 FSL 801 FEL | | SESE | 4 | 3.0 S | 4.0 W | U | | |
| Top of Uppermost Producing Zone | | 700 FSL 801 FEL | | SESE | 4 | 3.0 S | 4.0 W | U | | |
| At Total Depth | | 700 FSL 801 FEL | | SESE | 4 | 3.0 S | 4.0 W | U | | |
| 21. COUNTY DUCHESNE | | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 700 | | | 23. NUMBER OF ACRES IN DRILLING UNIT 640 | | | | |
| 27. ELEVATION - GROUND LEVEL 6032 | | | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1200 | | | 26. PROPOSED DEPTH MD: 12600 TVD: 12600 | | | | |
| | | | 28. BOND NUMBER 400JU0708 | | | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City | | | | |
| Hole, Casing, and Cement Information | | | | | | | | | | |
| String | Hole Size | Casing Size | Length | Weight | Grade & Thread | Max Mud Wt. | Cement | Sacks | Yield | Weight |
| Cond | 20 | 13.375 | 0 - 600 | 54.5 | J-55 ST&C | 9.0 | Class G | 1292 | 1.15 | 15.8 |
| Surf | 12.25 | 9.625 | 0 - 2500 | 40.0 | N-80 LT&C | 9.8 | Unknown | 312 | 3.16 | 11.0 |
| | | | | | | | Unknown | 191 | 1.33 | 14.3 |
| I1 | 8.75 | 7 | 0 - 9600 | 29.0 | HCP-110 LT&C | 10.5 | Unknown | 471 | 2.31 | 12.0 |
| | | | | | | | Unknown | 91 | 1.91 | 12.5 |
| L1 | 6.125 | 5 | 9400 - 12600 | 18.0 | HCP-110 LT&C | 12.5 | Unknown | 190 | 1.47 | 14.2 |
| ATTACHMENTS | | | | | | | | | | |
| VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES | | | | | | | | | | |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | | | | | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN | | | | | |
| <input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) | | | | | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER | | | | | |
| <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | | | | | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP | | | | | |
| NAME Maria S. Gomez | | | TITLE Principal Regulatory Analyst | | | PHONE 713 997-5038 | | | | |
| SIGNATURE | | | DATE 07/12/2013 | | | EMAIL maria.gomez@epenergy.com | | | | |
| API NUMBER ASSIGNED 43013522940000 | | | APPROVAL  Permit Manager | | | | | | | |

**Adelman 2-4 C4
Sec. 4, T3S, R4W
DUCHESNE COUNTY, UT**

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

| <u>Formation</u> | <u>Depth</u> |
|---------------------|--------------|
| Green River (GRRV) | 4,748' TVD |
| Green River (GRTN1) | 5,398' TVD |
| Mahogany Bench | 6,368' TVD |
| L. Green River | 7,748' TVD |
| Wasatch | 9,578' TVD |
| T.D. (Permit) | 12,600' TVD |

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|---------------------|-----------------|
| | Green River (GRRV) | 4,748' MD / TVD |
| | Green River (GRTN1) | 5,398' MD / TVD |
| | Mahogany Bench | 6,368' MD / TVD |
| Oil | L. Green River | 7,748' MD / TVD |
| Oil | Wasatch | 9,578' MD / TVD |

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 600' MD/TVD. A 4.5" by 13-3/8" Smith Rotating Head from 600' MD/TVD to 2,500' MD/TVD on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 2,500' MD/TVD to 9,600' MD/TVD. A 10M BOE w/ rotating head, 5M annular, blind rams & mud cross from 9,600' MD/TVD to TD (12,600' MD/TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly

cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with 3-½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 404 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

- A) Pason Gas Monitoring 600' - TD
- B) Mud logger with gas monitor – 2,500' to TD (12,600' MD/TVD)
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

| Interval | Type | Mud Weight |
|--------------|------|-------------|
| Surface | WBM | 9.0 – 9.8 |
| Intermediate | WBM | 9.8 – 10.5 |
| Production | WBM | 10.5 – 12.5 |

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 2,500' MD/TVD – TD (12,600' MD/TVD)

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 12,600' TVD equals approximately 8,190 psi. This is calculated based on a 0.65 psi/ft gradient (12.5 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,418 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,600' TVD = 7,680 psi

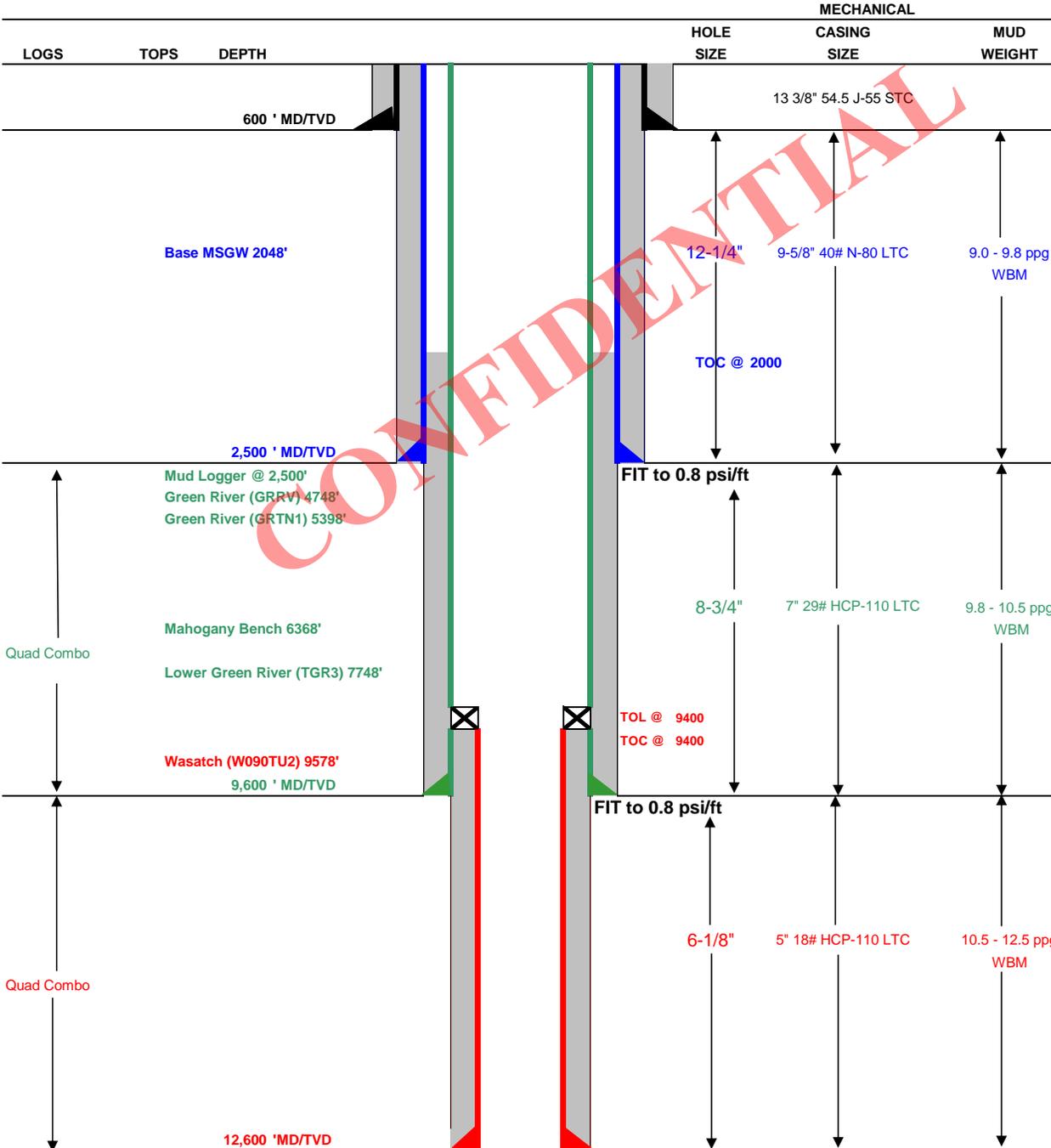
BOPE and casing design will be based on the lesser of the two MASPs which is 5,418 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



Drilling Schematic

| | |
|--|---------------------------|
| Company Name: EP ENERGY | Date: July 5, 2013 |
| Well Name: Adelman 2-4 C4 | TD: 12,600 |
| Field, County, State: Altamont, Duchesne, Utah | AFE #: 160420 |
| Surface Location: Sec 4 T3S R4W 700' FSL 801' FEL | BHL: Straight Hole |
| Objective Zone(s): Green River, Wasatch | Elevation: 6031.5 |
| Rig: Precision 404 | Spud (est.): TBD |
| BOPE Info: 4.5 x 13 3/8 rotating head from 600' to 2,500' 11 5M BOP stack and 5M kill lines and choke manifold used from 2,500' to 9,600' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9,600' to TD (12,600' MD/TVD) | |



DRILLING PROGRAM

| CASING PROGRAM | SIZE | INTERVAL | | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION |
|------------------|---------|----------|-------|-------|---------|-------|--------|----------|---------|
| CONDUCTOR | 13 3/8" | 0 | 600 | 54.5 | J-55 | STC | 2,740 | 1,130 | 514 |
| SURFACE | 9-5/8" | 0 | 2500 | 40.00 | N-80 | LTC | 5,750 | 3,090 | 737 |
| INTERMEDIATE | 7" | 0 | 9600 | 29.00 | HCP-110 | LTC | 11,220 | 9,750 | 797 |
| PRODUCTION LINER | 5" | 9400 | 12600 | 18.00 | HCP-110 | LTC | 13,950 | 14,360 | 495 |

| CEMENT PROGRAM | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------------------|------|-------------|--|-------|--------|----------|-------|
| CONDUCTOR | | 600 | Class G + 3% CACL2 | 1292 | 100% | 15.8 ppg | 1.15 |
| SURFACE | Lead | 2,000 | EXTENDACEM (TM) SYSTEM: 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 2% Bentonite | 312 | 75% | 11.0 ppg | 3.16 |
| | Tail | 500 | HALCEM (TM) SYSTEM: 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.5% HR-5 | 191 | 50% | 14.3 ppg | 1.33 |
| INTERMEDIATE | Lead | 6,600 | EXTENDACEM (TM) SYSTEM: 4% Bentonite + 0.4% Econolite + 0.2% Halad(R)-322 + 3 lbm/sk Silicalite Compacted + 1.2% HR-5 + 0.125 lbm/sk Poly-E-Flake | 471 | 10% | 12.0 ppg | 2.31 |
| | Tail | 1,000 | EXPANDACEM (TM) SYSTEM: 0.2% Econolite + 0.3% Versaset + 0.9% HR-5 + 0.3% Super CBL + 0.2% Halad(R)-322 + 0.125 lbm/sk Poly-E-Flake | 91 | 10% | 12.5 ppg | 1.91 |
| PRODUCTION LINER | | 3,200 | EXTENDACEM (TM) SYSTEM: 0.3% Super CBL + 0.1% SA-1015 + 0.3% Halad(R)-413 + 0.5% SCR-100 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SSA-1 | 190 | 25% | 14.20 | 1.47 |

| FLOAT EQUIPMENT & CENTRALIZERS | |
|--------------------------------|--|
| CONDUCTOR | PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing. |
| SURFACE | PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter. |
| INTERMEDIATE | PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,000'. |
| LINER | Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'. |

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Tommy Gaydos

EP ENERGY E&P COMPANY, L.P.
ADELMAN 2-4C4
SECTION 4, T3S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 5.96 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL SOUTHEASTERLY 0.65 MILES ON A GRAVEL COUNTY ROAD TO AN INTERSECTION;

TURN LEFT AND TRAVEL EASTERLY 2.07 MILES ALONG A GRAVEL ROAD TO THE PROPOSED LOCATION;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 8.68 MILES.

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EP ENERGY E & P COMPANY, L.P.

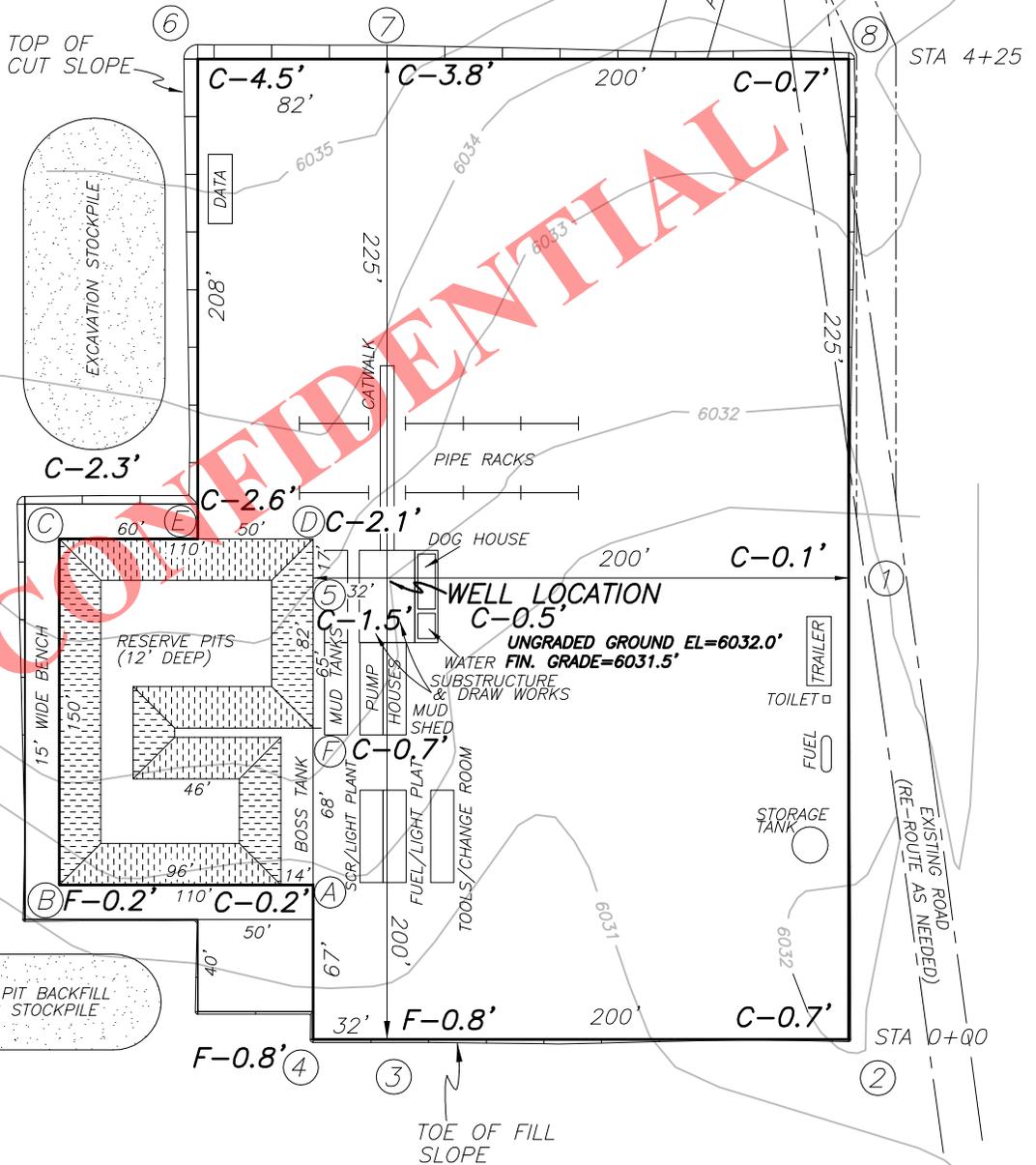
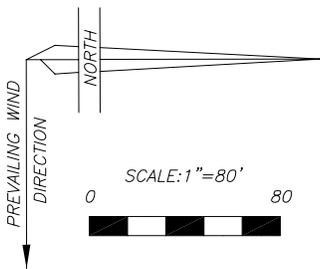
FIGURE #1

LOCATION LAYOUT FOR

ADELMAN 2-4C4

SECTION 4, T3S, R4W, U.S.B.&M.

700' FSL, 801' FEL



| | |
|--|---|
| | JERRY D. ALLRED & ASSOCIATES SURVEYING CONSULTANTS |
| | 1235 NORTH 700 EAST--P.O. BOX 975 DUCHESNE, UTAH 84021 (435) 738-5352 |

REV 28 JUN 2013 01-128-390

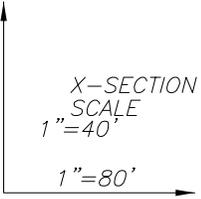
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EP ENERGY E & P COMPANY, L.P.

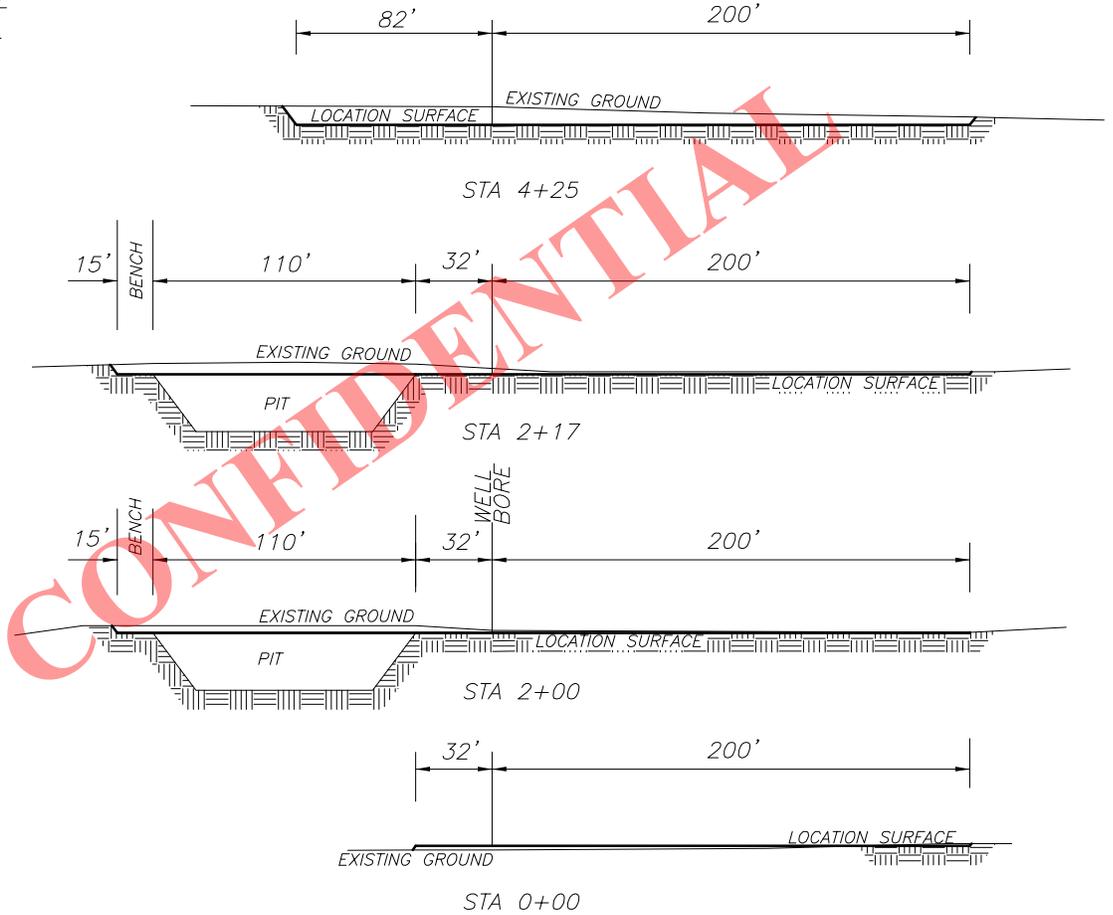
FIGURE #2

**LOCATION LAYOUT FOR
ADELMAN 2-4C4**

**SECTION 4, T3S, R4W, U.S.B.&M.
700' FSL, 801' FEL**

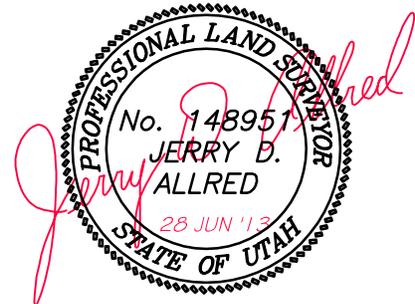


NOTE: ALL CUT/FILL
SLOPES ARE 1½:1
UNLESS OTHERWISE
NOTED



APPROXIMATE QUANTITIES

- TOTAL CUT (INCLUDING PIT) = 10,807 CU. YDS.
- PIT CUT = 4572 CU. YDS.
- TOPSOIL STRIPPING: (6") = 2526 CU. YDS.
- REMAINING LOCATION CUT = 3709 CU. YDS.
- TOTAL FILL = 1260 CU. YDS.
- LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)
- ACCESS ROAD GRAVEL=33 CU. YDS.



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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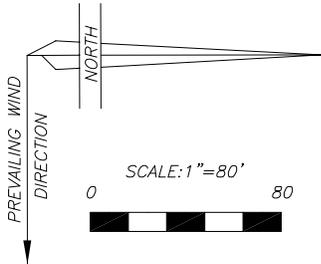
FIGURE #3

LOCATION LAYOUT FOR

ADELMAN 2-4C4

SECTION 4, T3S, R4W, U.S.B.&M.

700' FSL, 801' FEL

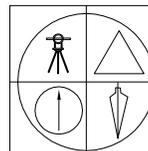
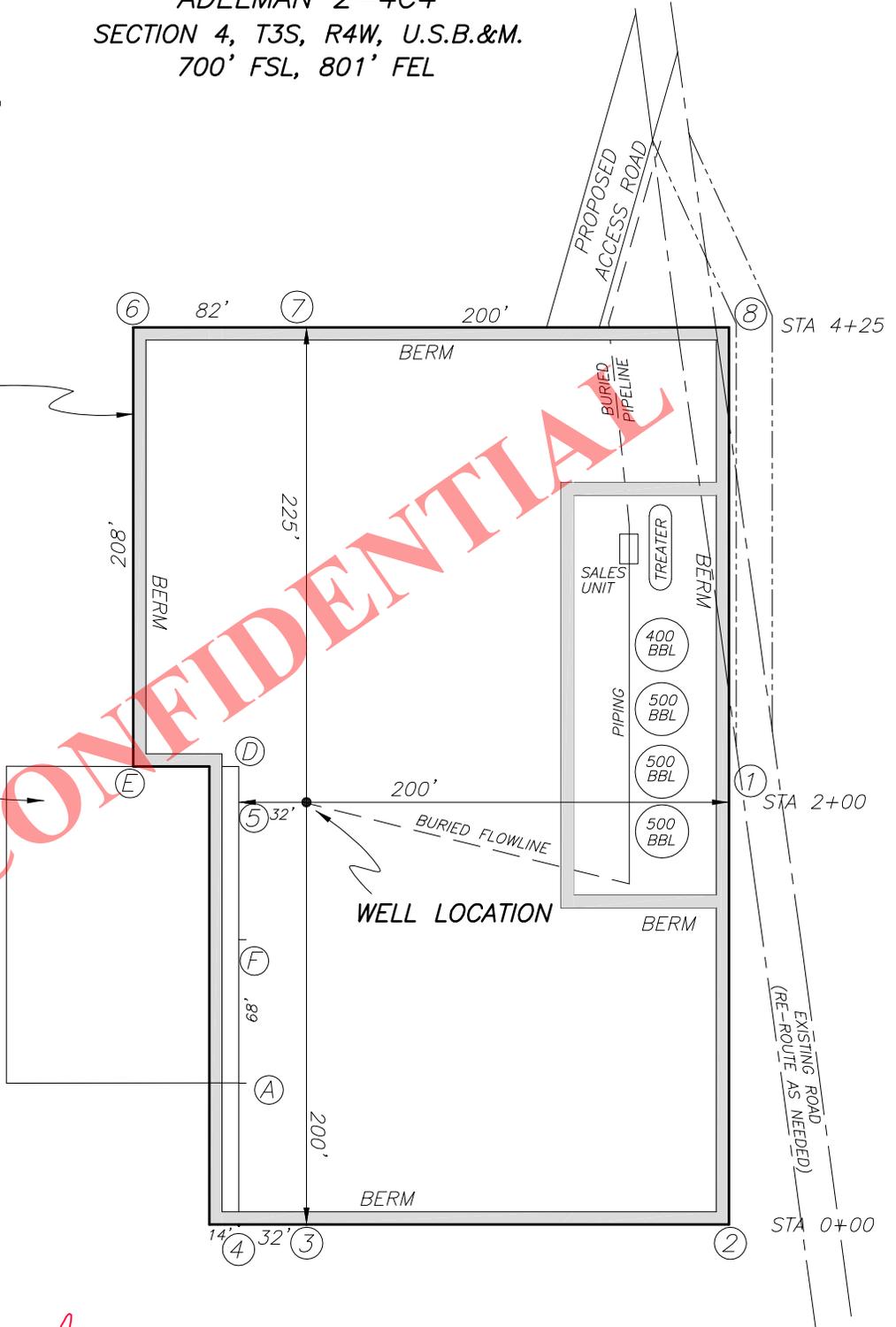


WELL PAD AREA BERMED AND USED FOR PRODUCTION

ENTIRE WELL PAD RECONTOURED BACK TO AVERAGE SLOPE FOR FINAL SURFACE RECLAMATION AFTER PRODUCTION

PIT AREA REGRADED BACK TO SLOPE FOR INTERIM RECLAMATION

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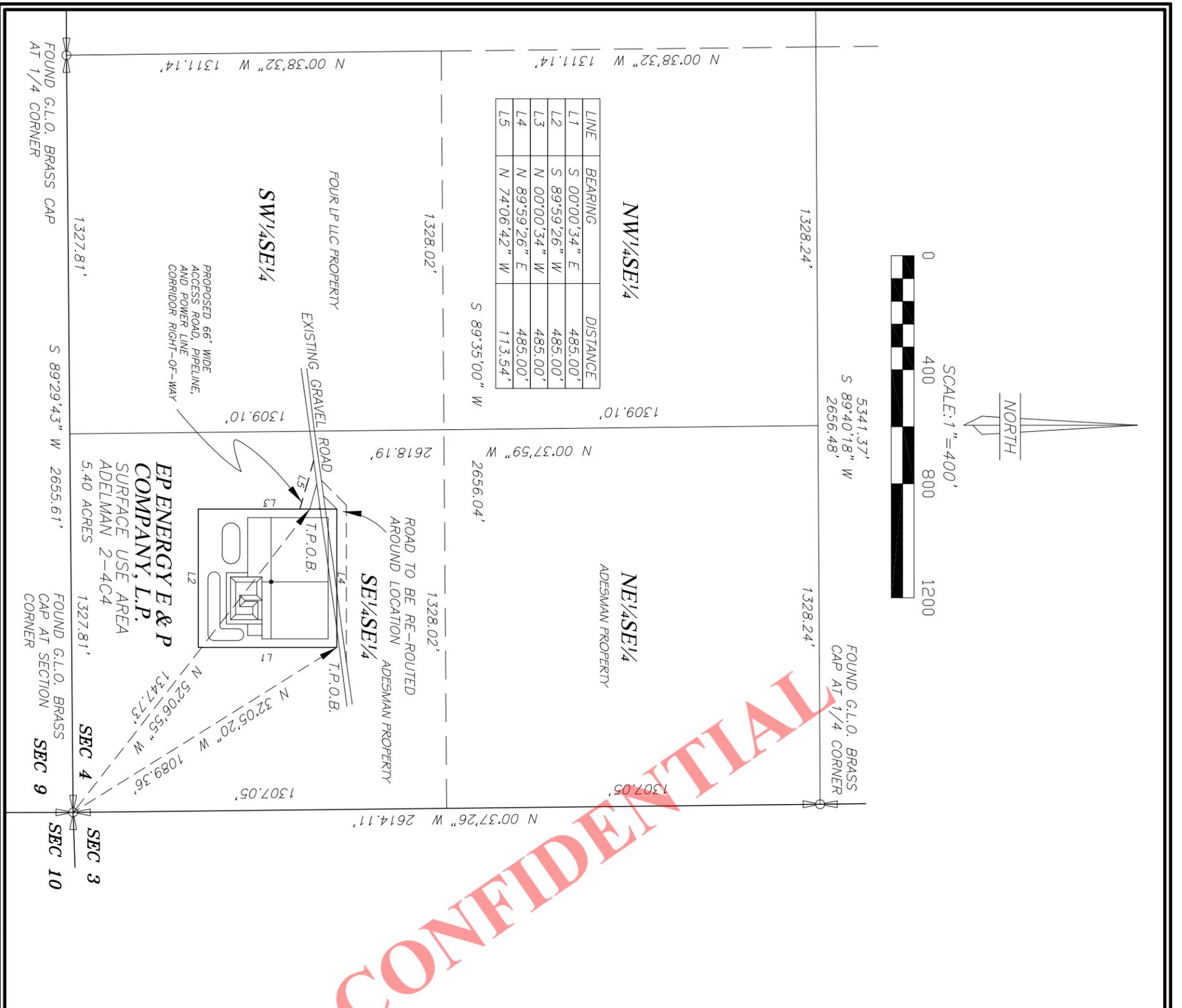
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LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE
CORRIDOR RIGHT-OF-WAY SURVEY FOR
EP ENERGY E&P COMPANY, L.P.
ADELMAN 2-4C4
SECTION 4, T3S, R4W, U.S.B.&M.
DUCHESSNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

Commencing at the SE Corner of Section 4, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 32°05'20" West 1089.36 feet to the TRUE POINT OF BEGINNING;
Thence South 00°00'34" East 485.00 feet;
Thence South 89°59'26" West 485.00 feet;
Thence North 00°00'34" East 485.00 feet;
Thence North 89°59'26" East 485.00 feet to the TRUE POINT OF BEGINNING, containing 5.40 acres.

ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66 feet wide access road, pipeline, and power line corridor right-of-way over portions of Section 4, Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of which is further described as follows:
Commencing at the SE Corner of Section 4, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence North 52°06'55" West 1347.73 feet to the TRUE POINT OF BEGINNING, said point being on the West line of the Area Use Boundary of the E.P. Energy Adesman 2-4C4;
Thence North 74°06'42" West 113.54 feet to the centerline of an existing dirt road.
Said right-of-way being 113.54 feet in length, with the sidelines being shortened or elongated to intersect said use boundary and existing road right-of-way lines;

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

Jerry D. Allred, Professional Land Surveyor,
Certificate 148951 (Utah)

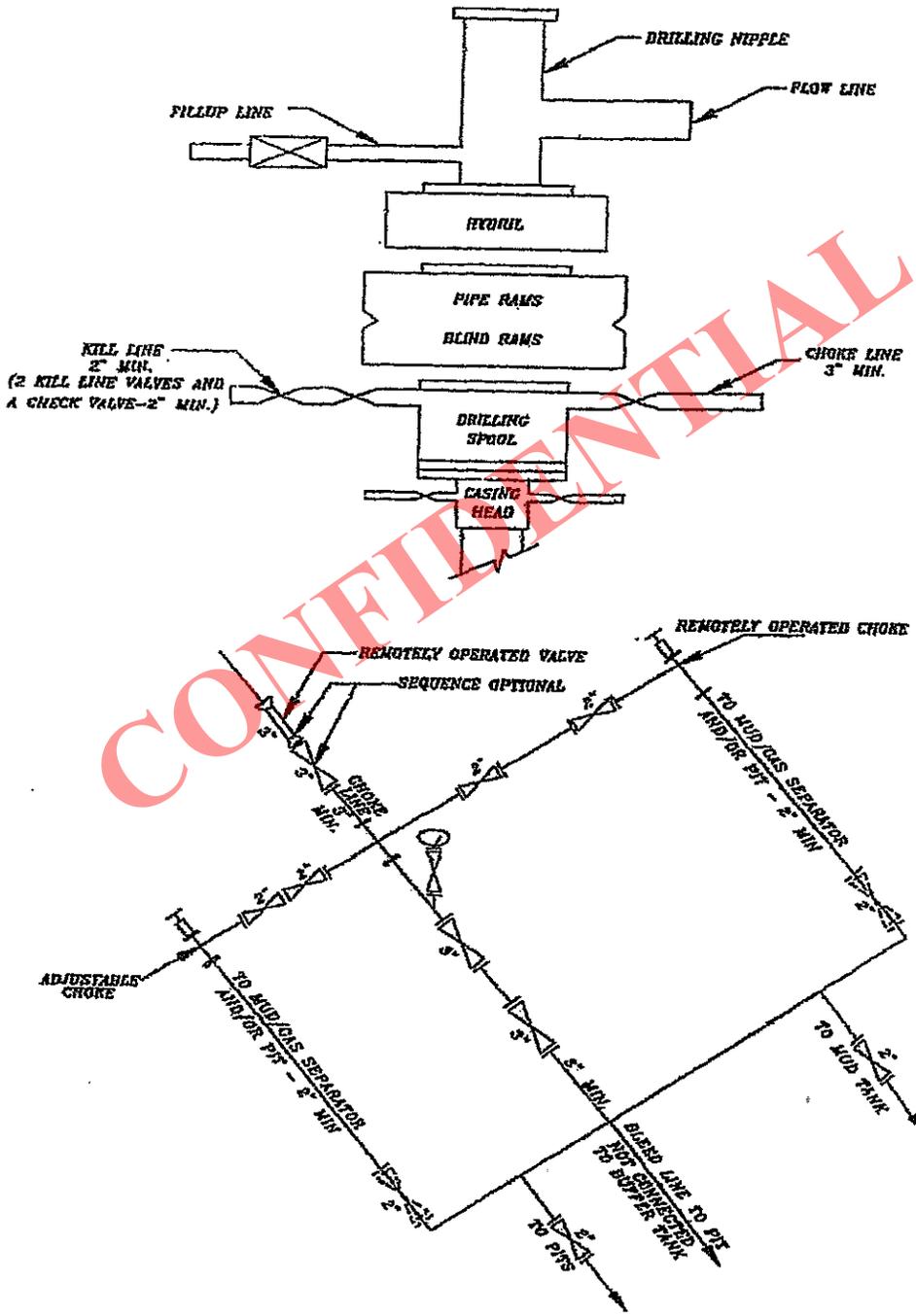


THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

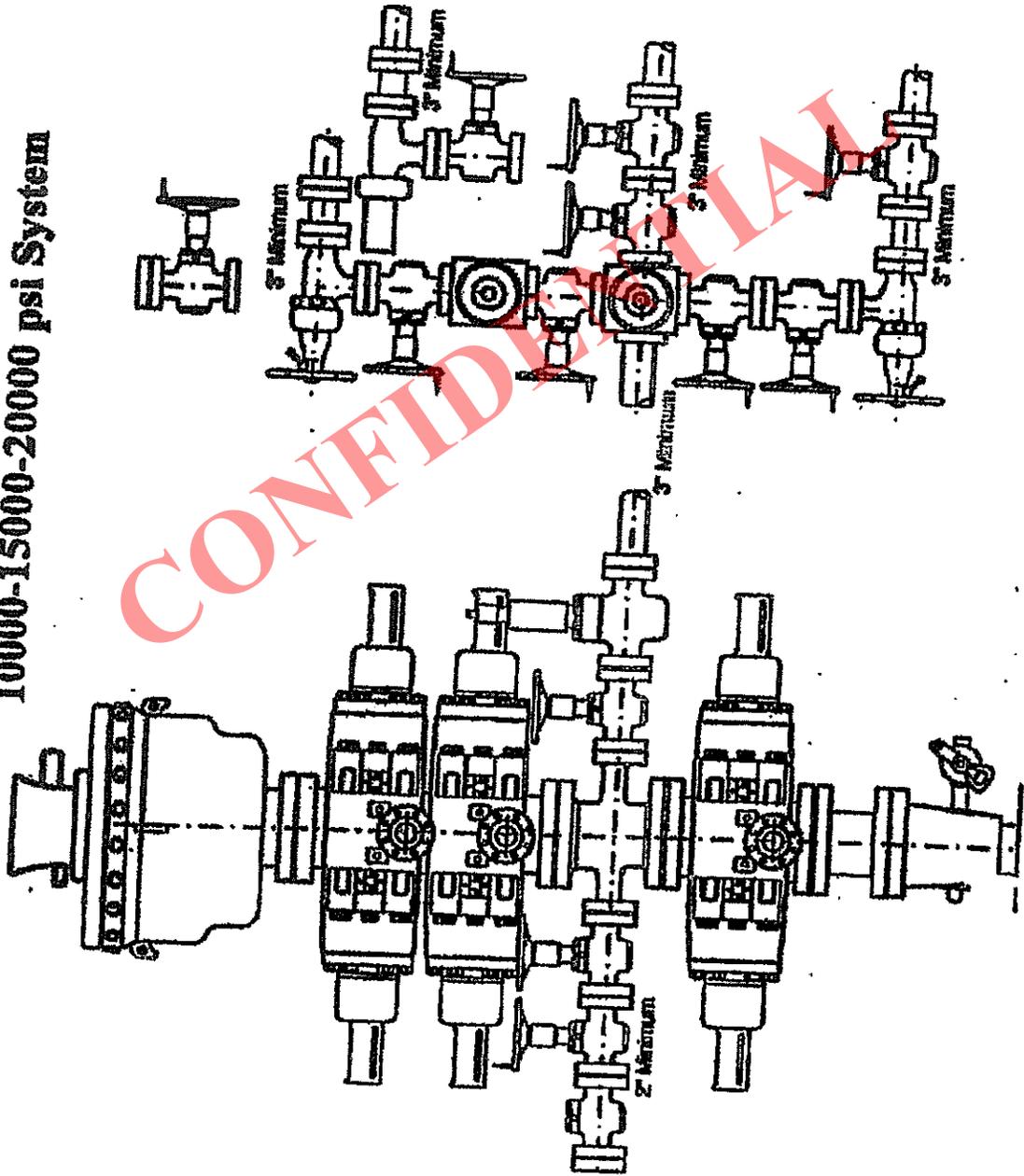
JERRY D. ALLRED AND ASSOCIATES
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1235 NORTH 700 EAST--P.O. BOX 975
DUCHESSNE, UTAH 84021
(435) 738-5352

5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System

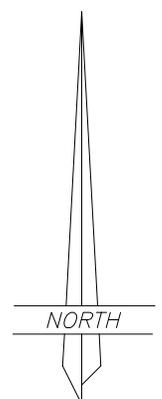
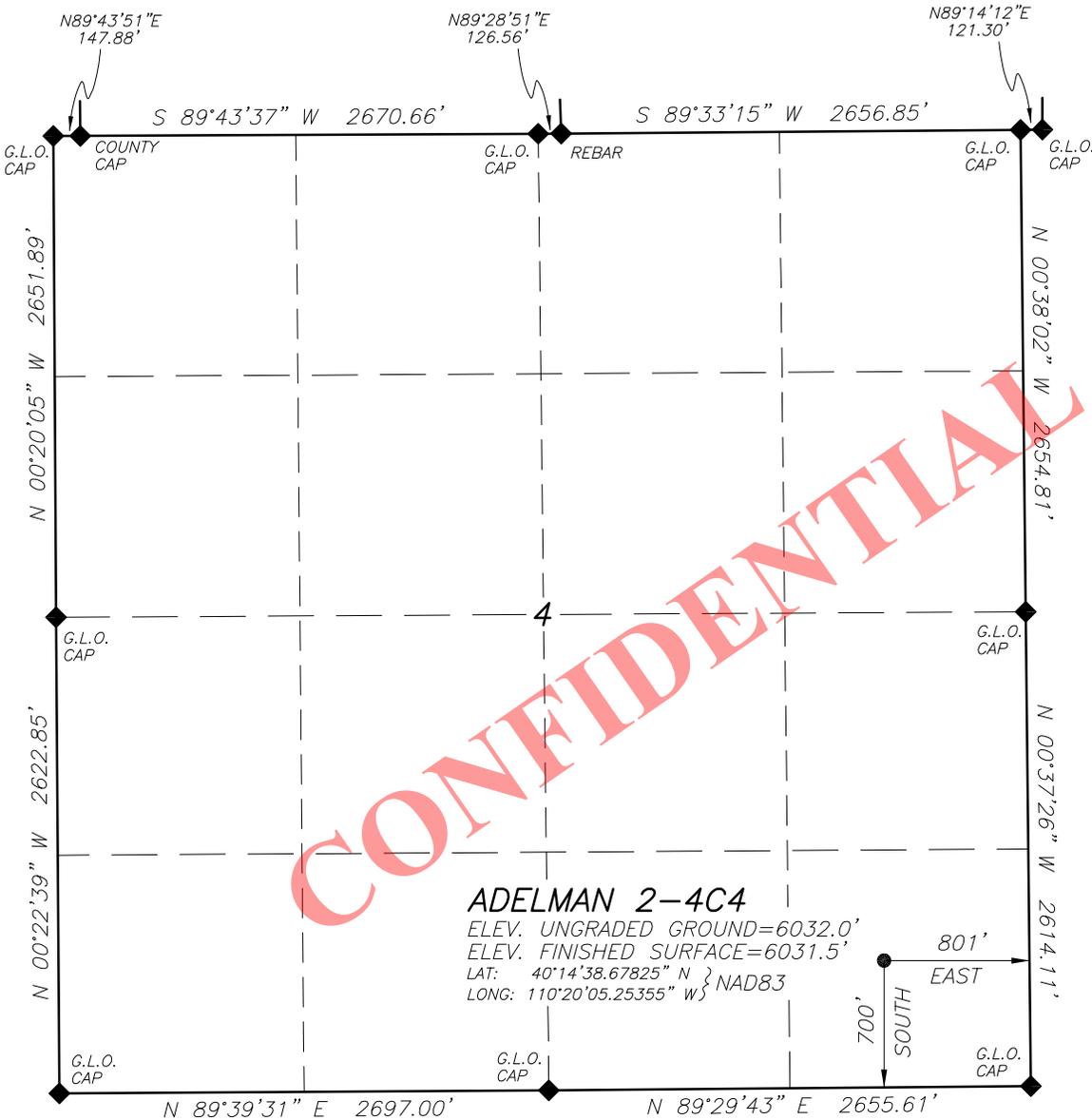


EP ENERGY E & P COMPANY, L.P.

WELL LOCATION

ADELMAN 2-4C4

LOCATED IN THE SE¼ OF THE SE¼ OF SECTION 4, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



SCALE: 1" = 1000'

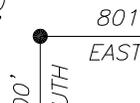


NOTE:
NAD27 VALUES FOR WELL POSITION:
LAT: 40.244120639° N
LONG: 110.334081881° W

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ADELMAN 2-4C4

ELEV. UNGRADED GROUND=6032.0'
ELEV. FINISHED SURFACE=6031.5'
LAT: 40°14'38.67825" N } NAD83
LONG: 110°20'05.25355" W }



LEGEND AND NOTES

- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY
- THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP
- THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
- THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

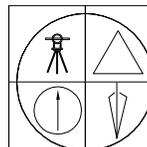
BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

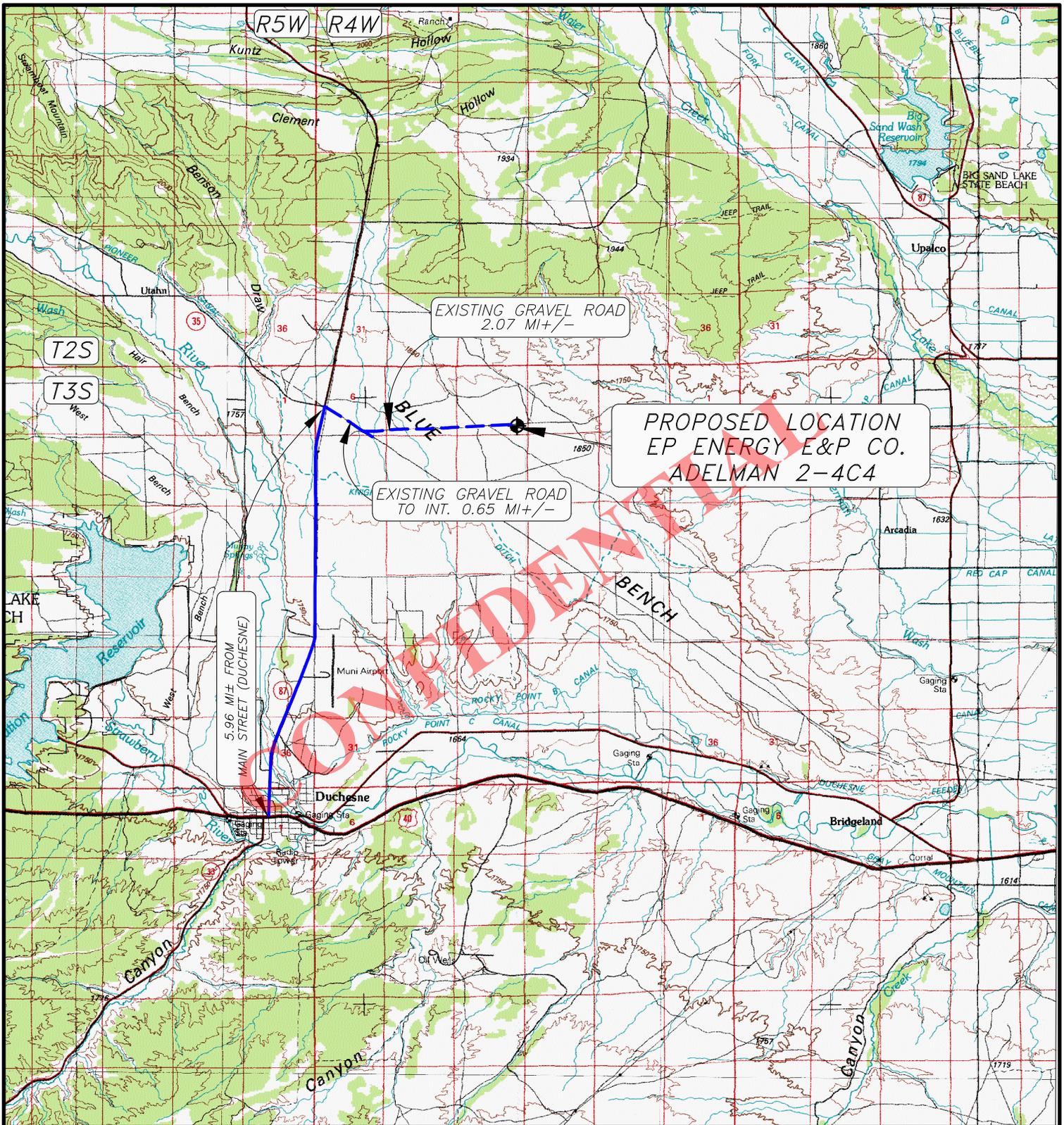


JERRY D. ALLRED, PROFESSIONAL LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352



PROPOSED LOCATION
EP ENERGY E&P CO.
ADELMAN 2-4C4

5.96 MI± FROM
 MAIN STREET (DUCHESSNE)

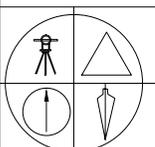
EXISTING GRAVEL ROAD
 2.07 MI±/-

EXISTING GRAVEL ROAD
 TO INT. 0.65 MI±/-

LEGEND:

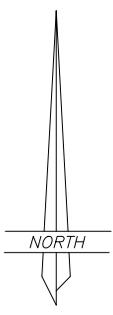
 **PROPOSED WELL LOCATION**

01-128-390



JERRY D. ALLRED & ASSOCIATES
 SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
 DUCHESSNE, UTAH 84021
 (435) 738-5352



EP ENERGY E & P COMPANY, L.P.

ADELMAN 2-4C4

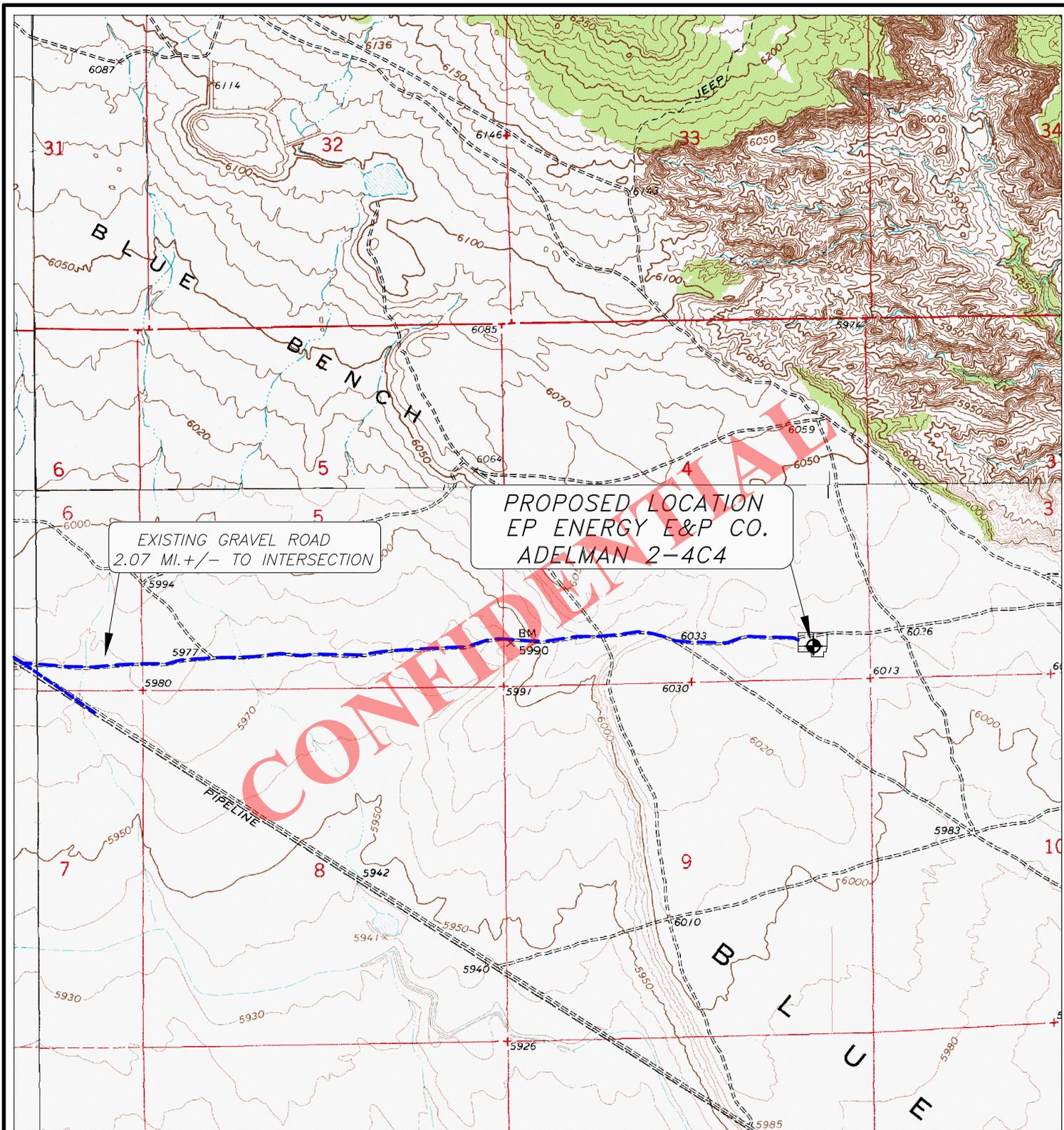
SECTION 4, T3S, R4W, U.S.B.&M.

700' FSL 801' FEL

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'

2 APR 2013



PROPOSED LOCATION
EP ENERGY E&P CO.
ADELMAN 2-4C4

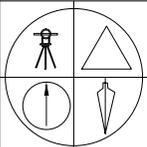
EXISTING GRAVEL ROAD
2.07 MI. +/- TO INTERSECTION

CONFIDENTIAL

LEGEND:

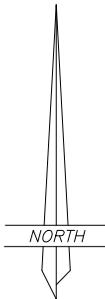
-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING PAVED ROAD

01-128-390



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESTER, UTAH 84021
(435) 738-5352



EP ENERGY E & P COMPANY, L.P.

ADELMAN 2-4C4

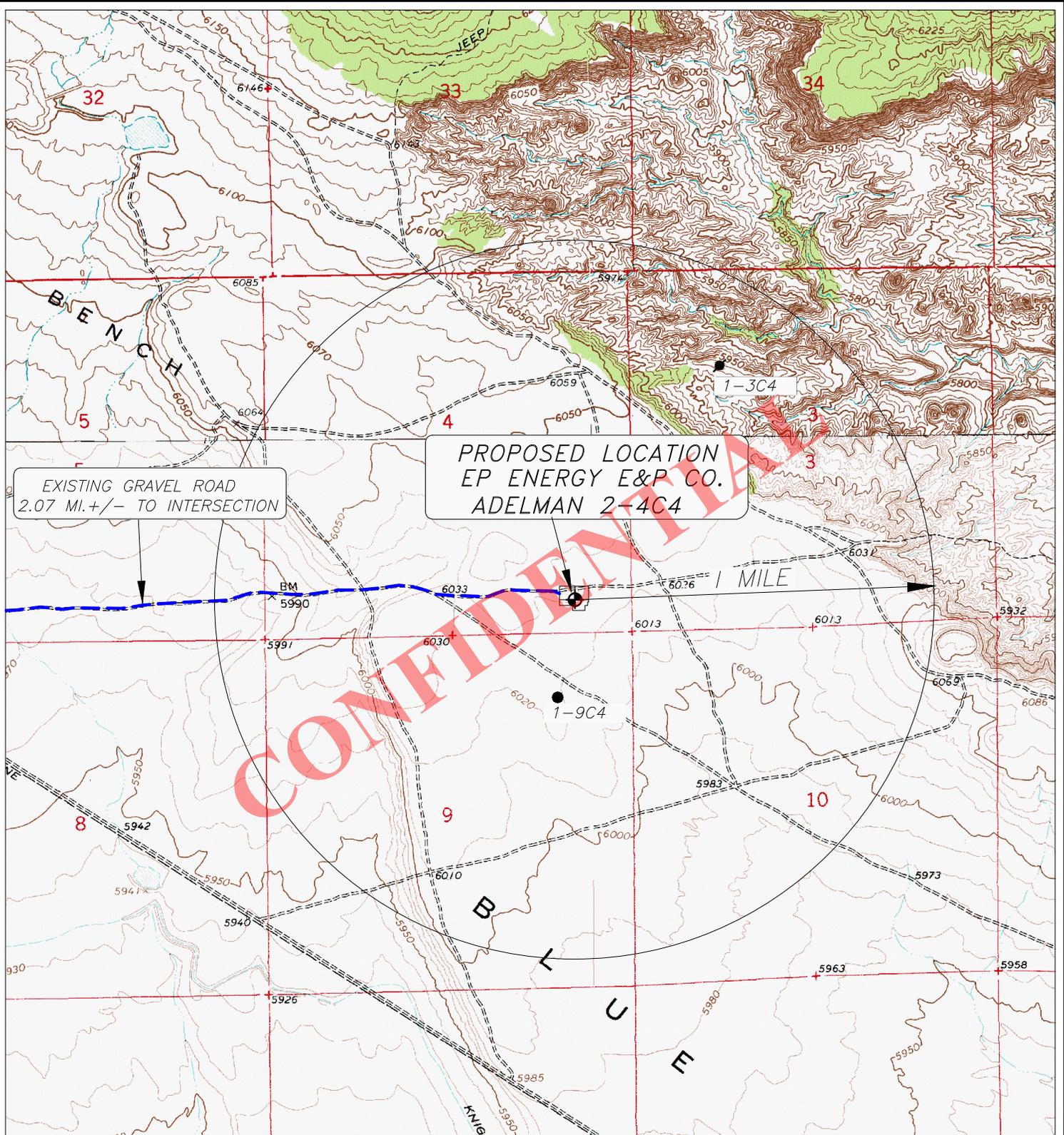
SECTION 4, T3S, R4W, U.S.B.&M.

700' FSL 801' FEL

TOPOGRAPHIC MAP "B"

SCALE: 1"=2000'
2 APR 2013

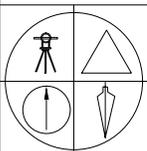
RECEIVED: July 12, 2013



LEGEND:

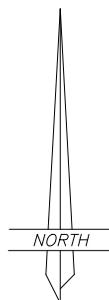
- PROPOSED WELL LOCATION
- OTHER WELLS AS LOCATED FROM SUPPLIED MAP

01-128-390



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975
DUCHESE, UTAH 84021
(435) 738-5352



EP ENERGY E & P COMPANY, L.P.

ADELMAN 2-4C4

SECTION 4, T3S, R4W, U.S.B.&M.

700' FSL 801' FEL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'
2 APR 2013

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

Michael J. Walcher personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Michael J. Walcher. I am a Sr. Staff Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana St., Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Adelman 2-4C4 well (the "Well") to be located in the E/2 SE/4 of Section 4, Township 3 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Selma L. Adelman, whose address is 9255 Doheny Rd. No. 1402 Los Angeles, California 90069 (the "Surface Owner"). The Surface Owner's telephone number is (310) 275-1582.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated June 25, 2013 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.

Michael J. Walcher

Michael J. Walcher

CONFIDENTIAL

ACKNOWLEDGMENT

STATE OF TEXAS §
 §
CITY AND COUNTY OF HARRIS §

Before me, a Notary Public, in and for this state, on this ^{2nd} ~~20th~~ day of ^{July} ~~June~~, 2013, personally appeared Michael J. Walcher, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

Ginger M. Cearley
NOTARY PUBLIC

My Commission Expires:



EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .21 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**

- Drilling water: Duchesne City Water

5. **Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .40 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.

9. Surface Reclamation Plans:

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
 1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
 2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
 3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
 1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
 2. Landowner will be contacted for rehabilitation requirements.

10. Surface Ownership:

Selma L. Adelman
9255 Doheny Rd. No. 1402
Los Angeles, California 90069
310-275-1582

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

Construction and Reclamation:

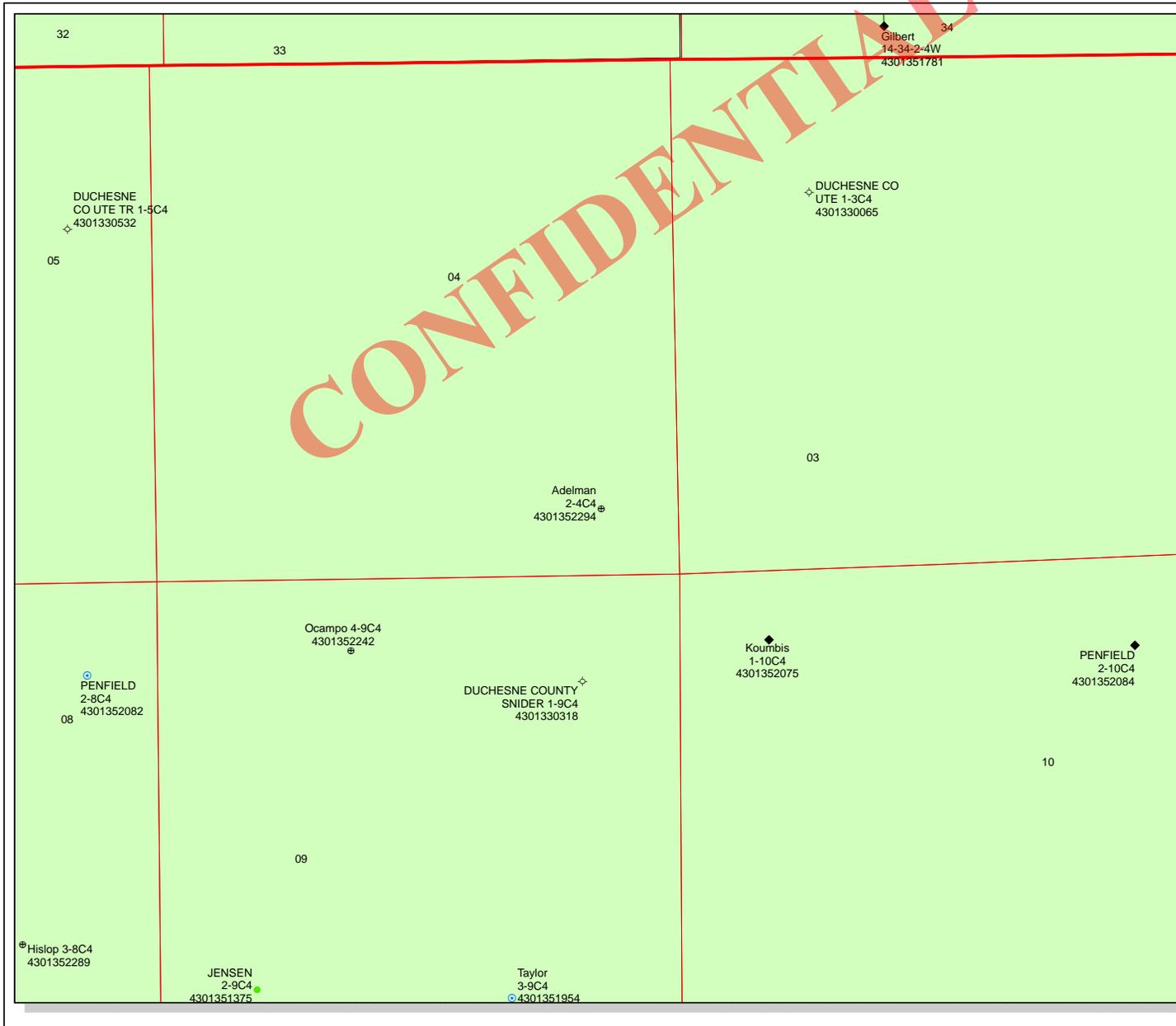
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD

EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling

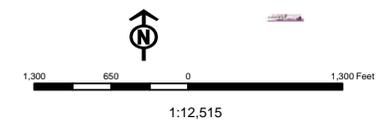
EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell



API Number: 4301352294
Well Name: Adelman 2-4C4
Township T03.0S Range R04.0W Section 04
Meridian: UBM
 Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared:
 Map Produced by Diana Mason

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



| | | | | |
|--|--|-------|-------|-------|
| Well Name | EP ENERGY E&P COMPANY, L.P. Adelman 2-4C4 43013522940000 | | | |
| String | Cond | Surf | I1 | L1 |
| Casing Size(") | 13.375 | 9.625 | 7.000 | 5.000 |
| Setting Depth (TVD) | 600 | 2500 | 9600 | 12600 |
| Previous Shoe Setting Depth (TVD) | 0 | 600 | 2500 | 9600 |
| Max Mud Weight (ppg) | 9.0 | 9.8 | 10.5 | 12.5 |
| BOPE Proposed (psi) | 1000 | 1000 | 5000 | 10000 |
| Casing Internal Yield (psi) | 2730 | 5750 | 11220 | 13940 |
| Operators Max Anticipated Pressure (psi) | 8190 | | | 12.5 |

| | | | |
|---|--|--------|---|
| Calculations | Cond String | 13.375 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 281 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 209 | YES <input type="checkbox"/> rotating head on structural pipe |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 149 | YES <input type="checkbox"/> OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 149 | NO <input type="checkbox"/> OK <input type="checkbox"/> |
| Required Casing/BOPE Test Pressure= | | 600 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 0 | psi *Assumes 1psi/ft frac gradient |

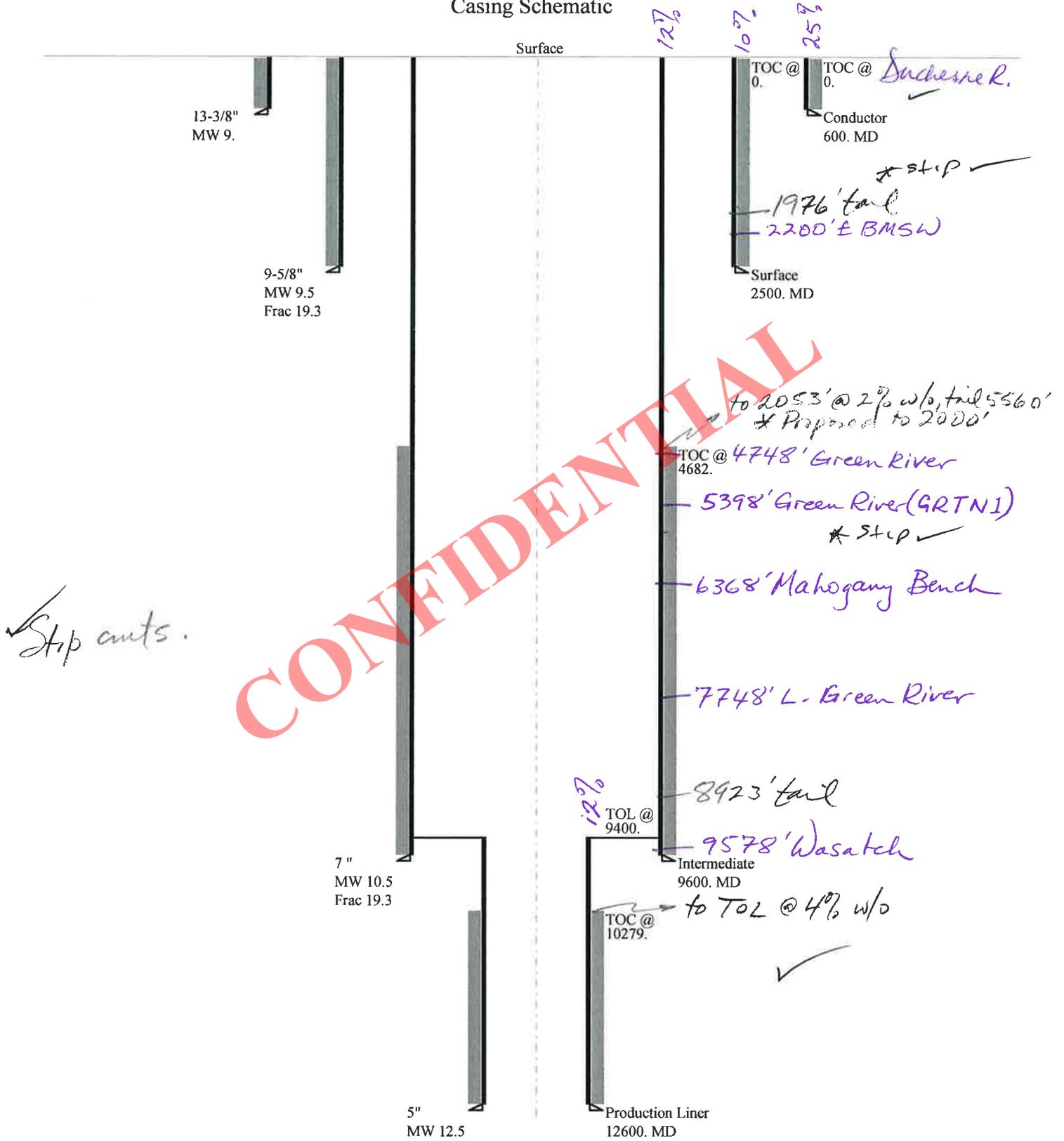
| | | | |
|---|--|-------|---|
| Calculations | Surf String | 9.625 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 1274 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 974 | YES <input type="checkbox"/> Smith rotating head |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 724 | YES <input type="checkbox"/> OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 856 | NO <input type="checkbox"/> OK <input type="checkbox"/> |
| Required Casing/BOPE Test Pressure= | | 2500 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 600 | psi *Assumes 1psi/ft frac gradient |

| | | | |
|---|--|-------|--|
| Calculations | I1 String | 7.000 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 5242 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 4090 | YES <input type="checkbox"/> 5M BOPE, 5M kill lines & choke manifold |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 3130 | YES <input type="checkbox"/> OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 3680 | NO <input type="checkbox"/> OK <input type="checkbox"/> |
| Required Casing/BOPE Test Pressure= | | 7854 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 2500 | psi *Assumes 1psi/ft frac gradient |

| | | | |
|---|--|-------|--|
| Calculations | L1 String | 5.000 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 8190 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 6678 | YES <input type="checkbox"/> 10M BOPE w/rotating head, 5M annular, |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 5418 | YES <input type="checkbox"/> blind rams & mud cross |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 7530 | YES <input type="checkbox"/> OK <input type="checkbox"/> |
| Required Casing/BOPE Test Pressure= | | 9758 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 9600 | psi *Assumes 1psi/ft frac gradient |

43013522940000 Adelman 2-4C4

Casing Schematic



CONFIDENTIAL

| | | | |
|--------------|--|-------------|--------------|
| Well name: | 43013522940000 Adelman 2-4C4 | | |
| Operator: | EP ENERGY E&P COMPANY, L.P. | | |
| String type: | Conductor | Project ID: | 43-013-52294 |
| Location: | DUCHESNE COUNTY | | |

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 82 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 208 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 280 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
 Neutral point: 520 ft

Non-directional string.

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 600 | 13.375 | 54.50 | J-55 | ST&C | 600 | 600 | 12.49 | 7442 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 280 | 1130 | 4.030 | 280 | 2730 | 9.74 | 32.7 | 514 | 15.72 J |

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Mining

Phone: 801 538-5357
 FAX: 801-359-3940

Date: September 9, 2013
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

| | | |
|--------------|--|-----------------------------|
| Well name: | 43013522940000 Adelman 2-4C4 | |
| Operator: | EP ENERGY E&P COMPANY, L.P. | |
| String type: | Surface | Project ID: 43-013-52294 |
| Location: | DUCHESNE COUNTY | |

Design parameters:

Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,500 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
Neutral point: 2,147 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,600 ft
Next mud weight: 10.500 ppg
Next setting BHP: 5,236 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure: 2,500 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 2500 | 9.625 | 40.00 | N-80 | LT&C | 2500 | 2500 | 8.75 | 31809 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 1234 | 3090 | 2.505 | 2500 | 5750 | 2.30 | 100 | 737 | 7.37 J |

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: September 9, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2500 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

| | | | |
|--------------|--|-------------|--------------|
| Well name: | 43013522940000 Adelman 2-4C4 | | |
| Operator: | EP ENERGY E&P COMPANY, L.P. | | |
| String type: | Intermediate | Project ID: | 43-013-52294 |
| Location: | DUCHESNE COUNTY | | |

Design parameters:

Collapse

Mud weight: 10.500 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 208 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft
 Cement top: 4,682 ft

Burst

Max anticipated surface pressure: 5,410 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 7,522 psi

No backup mud specified.

Tension:

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

Tension is based on air weight.
 Neutral point: 8,074 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 12,600 ft
 Next mud weight: 12.500 ppg
 Next setting BHP: 8,182 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 9,600 ft
 Injection pressure: 9,600 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 9600 | 7 | 29.00 | HCP-110 | LT&C | 9600 | 9600 | 6.059 | 108409 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 5236 | 9200 | 1.757 | 7522 | 11220 | 1.49 | 278.4 | 797 | 2.86 J |

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Mining

Phone: 801 538-5357
 FAX: 801-359-3940

Date: September 9, 2013
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9600 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

| | | | |
|--------------|--|-------------|--------------|
| Well name: | 43013522940000 Adelman 2-4C4 | | |
| Operator: | EP ENERGY E&P COMPANY, L.P. | | |
| String type: | Production Liner | Project ID: | 43-013-52294 |
| Location: | DUCHESNE COUNTY | | |

Design parameters:

Collapse

Mud weight: 12.500 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 5,410 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 8,182 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 11,991 ft

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 250 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft

Cement top: 10,279 ft

Liner top: 9,400 ft

Non-directional string.

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 3200 | 5 | 18.00 | HCP-110 | LT&C | 12600 | 12600 | 4.151 | 23126 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 8182 | 13470 | 1.646 | 8182 | 13940 | 1.70 | 57.6 | 495 | 8.59 J |

Prepared by: Helen Sadik-Macdonald
 Div of Oil, Gas & Mining

Phone: 801 538-5357
 FAX: 801-359-3940

Date: September 9, 2013
 Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12600 ft, a mud weight of 12.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Adelman 2-4C4
API Number 43013522940000 **APD No** 8269 **Field/Unit** ALTAMONT
Location: 1/4,1/4 SESE **Sec 4 Tw 3.0S** **Rng 4.0W 700** **FSL 801 FEL**
GPS Coord (UTM) 556576 4455057 **Surface Owner** Selma L. Adelman

Participants

Heather Ivie (E&P Land Agency person); Wayne Garner (E&P Energy Representative); Dennis Ingram (Utah Division of Oil, Gas & Mining)

Regional/Local Setting & Topography

The proposed Adelman 2-4C4 is located in northeastern Utah, approximately 5.96 miles north of Duchesne along US Highway 87, then east on a private road another 2.72 miles where the next access road will lead into well site. This project is located along the northern reached of Blue Bench, which is a nearly flat bench that slopes gently to the south toward the Duchesne River Drainage some four miles to the south. Blue Bench was utilized at one time as an alfalfa producing cropland and irrigated, but has since transformed into an arid, dry habitat with scattered sagebrush or weeds. Development to the south is mostly residential trailer house type community.

Surface Use Plan

Current Surface Use

Recreational
Residential

New Road Miles

0

Well Pad

Width 342 Length 425

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sagebrush, prickly pear cactus, some grasses; horned toad, rabbit, coyote, fox, potential mule deer over winter, song birds and birds of prey native to region, no perching areas nearby.

Soil Type and Characteristics

Reddish, fine-grained sandy loam with little to no clays present

Erosion Issues Y

Wind or water erosion potential, surface nearly flat

Sedimentation Issues Y

Site Stability Issues N**Drainage Diversion Required?** N**Berm Required?** Y

Location

Erosion Sedimentation Control Required? N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit**

| Site-Specific Factors | Site Ranking | |
|--|---------------------|------------------------|
| Distance to Groundwater (feet) | >200 | 0 |
| Distance to Surface Water (feet) | >1000 | 0 |
| Dist. Nearest Municipal Well (ft) | >5280 | 0 |
| Distance to Other Wells (feet) | >1320 | 0 |
| Native Soil Type | High permeability | 20 |
| Fluid Type | Fresh Water | 5 |
| Drill Cuttings | Normal Rock | 0 |
| Annual Precipitation (inches) | | 0 |
| Affected Populations | | |
| Presence Nearby Utility Conduits | Not Present | 0 |
| | Final Score | 25 1 Sensitivity Level |

Characteristics / Requirements

Proposed reserve pit along south side of location in cut, measuring 150' long by 110 feet wide by 12 feet deep.

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?****Other Observations / Comments**

Existing east/west road belongs to E&P Energy and will be re-routed north around location corner number 8. Surface is nearly flat, no issues, landowner did not attend.

Dennis Ingram
Evaluator

8/20/2013
Date / Time

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

| APD No | API WellNo | Status | Well Type | Surf Owner | CBM |
|------------------|--|--------|--------------------------|------------------|-----|
| 8269 | 43013522940000 | LOCKED | OW | P | No |
| Operator | EP ENERGY E&P COMPANY, L.P. | | Surface Owner-APD | Selma L. Adelman | |
| Well Name | Adelman 2-4C4 | | Unit | | |
| Field | ALTAMONT | | Type of Work | DRILL | |
| Location | SESE 4 3S 4W U 700 FSL 801 FEL GPS Coord (UTM) 556580E 4455056N | | | | |

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 2,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 2,200 feet. A search of Division of Water Rights records indicates that there are 5 water wells within a 10,000 foot radius of the center of Section 4. Wells range between 150 and 500 feet in depth and are used for irrigation, stock watering, domestic and industrial purposes. These wells probably produce from the Duchesne River Formation. The Duchesne River Formation is made up of sandstones with interbedded shales and is the most prominent fresh water aquifer in the area. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill
APD Evaluator

9/17/2013
Date / Time

Surface Statement of Basis

A presite meeting was scheduled and performed on August 20, 2013 to address drilling and construction issues to permit the Adelman 2-4C4 well. Selma Adelman was contacted by telephone and invited to the presite meeting but did not attend. However, the landowner and E&P Energy have entered into a surface damage agreement and have provided evidence of that to the Division.

The surface at this proposed well site is nearly flat but dips nearly four feet from the southwest to the northeast corner. There wasn't any drainage or surface water issues found on the presite visit. E&P Energy has requested a reserve pit along the southern border of the location that will be cut into blow sand. Therefore, the operator shall install a 20 mil synthetic liner to assure integrity of that pit for drilling fluids use. The reserve pit should be fenced to keep wildlife from entering same.

Dennis Ingram
Onsite Evaluator

8/20/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

| Category | Condition |
|----------|--|
| Pits | A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit. |
| Pits | The reserve pit should be located on the south side of the location. |
| Surface | The well site shall be bermed to prevent fluids from leaving the pad. |
| Surface | The reserve pit shall be fenced upon completion of drilling operations. |

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/12/2013

API NO. ASSIGNED: 43013522940000

WELL NAME: Adelman 2-4C4

OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850)

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: SESE 04 030S 040W

Permit Tech Review:

SURFACE: 0700 FSL 0801 FEL

Engineering Review:

BOTTOM: 0700 FSL 0801 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.24404

LONGITUDE: -110.33478

UTM SURF EASTINGS: 556580.00

NORTHINGS: 4455056.00

FIELD NAME: ALTAMONT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - 400JU0708
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Duchesne City
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-90
- Effective Date: 5/9/2012
- Siting: 4 Prod LGRRV-WSTC Wells
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhll
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald



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: Adelman 2-4C4
API Well Number: 43013522940000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 9/18/2013

Issued to:

EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

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 Cause 139-90. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH 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:

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD as indicated in the submitted drilling plan.

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

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved by:

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

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SESE S-04 TO3S R04W

ADELMAN 2-4C4 API # 43013522940000 Post-24hr Spud & Casing Notice

LANDRIG007

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>

Sun, Oct 13, 2013 at 5:28 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

RE: EP ENERGY
ADELMAN 2-4C4
API # 43013522940000
DUCHESNE CO., UTAH

Leon Ross Drilling spudded well yesterday, 10/12/2013 and plan to set >600' of 13 3/8" casing.

Regards,

Eugene Parker
Wellsite Supervisor
Patterson 307
713-997-1255

RECEIVED

OCT 13 2013

DIV. OF OIL, GAS & MINING

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SESE SOY TO35 ROYW

ADELMAN 2-4C4 API # 43013522940000 24hr Notice Test BOPE & Casing

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>

Tue, Oct 29, 2013 at 7:52 PM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

RE: EP ENERGY

ADELMAN 2-4C4

API # 43013522940000

DUCHESNE CO., UTAH

We plan on testing the 11" BOPE TO 5,000 psi and 9-5/8" Casing 2,500psi within 24hrs.

Regards,

Tony Wilkerson

Wellsite Supervisor

Patterson 307

713-997-1255

RECEIVED

OCT 29 2013

DIV. OF OIL, GAS & MINING

THIS E-MAIL AND ANY MATERIALS TRANSMITTED WITH IT MAY CONTAIN CONFIDENTIAL OR PROPRIETARY MATERIAL FOR THE SOLE USE OF THE INTENDED RECIPIENT. ANY REVIEW, USE, DISTRIBUTION OR DISCLOSURE BY OTHERS IS STRICTLY PROHIBITED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR AUTHORIZED TO RECEIVE THE INFORMATION FROM THE RECIPIENT, PLEASE NOTIFY THE SENDER BY REPLY E-MAIL AND DELETE ALL COPIES OF THIS MESSAGE.



SESE 5-04 T03S R04W

ADELMAN 2-4C4 API # 43013522940000 24hr Notice Spud notice & Set Surface Casing

1 message

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com> Mon, Oct 28, 2013 at 10:23 AM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

RE: EP ENERGY
ADELMAN 2-4C4
API # 43013522940000
DUCHESNE CO., UTAH

We Spudded the 12¼" section @ 09:30hrs 10/28/2013 and plan on setting 9-5/8" 40 lb N-80 LT&C Surface casing to +/- 2,500' within 24hrs

Regards,

Tony Wilkerson
Wellsite Supervisor
Patterson 307
713-997-1255

RECEIVED
OCT 28 2013
DIV. OF OIL, GAS & MINING



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SESE SOY TO3S RO4U

ADELMAN 2-4C4 API # 43013522940000 24hr Notice run & cement Casing

LANDRIG007 (Patterson 307) <LANDRIG007@epenergy.com>

Wed, Nov 13, 2013 at 8:00 AM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

RE: EP ENERGY

ADELMAN 2-4C4

API # 43013522940000

DUCHESNE CO., UTAH

We plan on running and cementing 5" 18 lb HCP-110 STL production liner to +/- 12,300' within 24hrs.

Regards,

Tony Wilkerson

Wellsite Supervisor

Patterson 307

713-997-1255

RECEIVED

NOV 13 2013

DIV. OF OIL, GAS & MINING

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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: EP Energy E&P Company, L.P.

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002 PHONE NUMBER: (713) 997-5038

4. LOCATION OF WELL (FOOTAGES):
AT SURFACE: 700 FSL & 801 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 700 FSL & 801 FEL
AT TOTAL DEPTH: 700 FSL & 801 FEL

5. LEASE DESIGNATION AND SERIAL NUMBER: _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT or CA AGREEMENT NAME _____

8. WELL NAME and NUMBER: Adelman 2-4C4

9. API NUMBER: 43013522940000

10. FIELD AND POOL, OR WILDCAT: Altamont

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 4 3S 4W U

12. COUNTY: Duchesne 13. STATE: UTAH

14. DATE SPURRED: 10/14/2013 15. DATE T.D. REACHED: 11/12/2013 16. DATE COMPLETED: 12/30/2013 ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): _____

18. TOTAL DEPTH: MD 12300 TVD 12288 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): Sonic, Gamma Ray, Resistivity & Neutron Density

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 |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 17.5 | 13.375 J55 | 54.5 | 0 | 655 | | Stan 675 | 776 | 0 | |
| 12.25 | 9.625 N80 | 40 | 0 | 2490 | | Prem 570 | 1305.6 | 0 | |
| 8.75 | 7 HCP110 | 29 | 0 | 9710 | | G 515 | 1473.35 | 2000 | |
| 6.125 | 5 HCP110 | 18 | 9508 | 12300 | | Prem 230 | 338.1 | 9499 | |

25. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
| 2 7/8 | 9597 | 9587 | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|----------------|----------|-------------|-----------|--------------|-------------------------|------|-----------|--|
| (A) Wasatch | 9581 | 12072 | 9571 | 12060 | 11700 12072 | .43 | 24 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (B) | | | | | 11297 11657 | .43 | 24 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (C) | | | | | 11001 11259 | .43 | 69 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (D) | | | | | 10749 10974 | .43 | 69 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES NO IF YES -- DATE FRACTURED: 12/29/2013

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|--|
| 11700-12072 | 5000 gal 15% HCL acid, 3000# 100 mesh, 150700# PowerProp |
| 11297-11657 | 5000 gal 15% HCL acid, 3000# 100 mesh, 148750# PowerProp |
| 11001-11259 | 5000 gal 15% HCL acid, 3000# 100 mesh, 168200# PowerProp |

29. ENCLOSED ATTACHMENTS: All logs were submitted by vendor.

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS: Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

| | | | | | | | | | | | |
|------------------------------------|---------------------|--------------------------|-------------------|---------------------|----------------------|---------------------------|-------------------|-------------------|---------------------|-------------------------------|--------------------------|
| DATE FIRST PRODUCED: 01/01/2014 | | TEST DATE: 01/05/2014 | | HOURS TESTED: 24 | | TEST PRODUCTION RATES: → | | OIL – BBL: 582 | GAS – MCF: 538 | WATER – BBL: 576 | PROD. METHOD: Flowing |
| CHOKE SIZE: 12 | TBG. PRESS. 3250 | CSG. PRESS. 0 | API GRAVITY 45 | BTU – GAS | GAS/OIL RATIO .92 | 24 HR PRODUCTION RATES: → | OIL – BBL: 582 | GAS – MCF: 538 | WATER – BBL: 576 | INTERVAL STATUS: Producing | |

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.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|-----------|----------|-------------|------------------------------|--------------------|----------------------|
| | | | | Upper Green River | 4696 |
| | | | | Middle Green River | 6363 |
| | | | | Lower Green River | 7767 |
| | | | | Wasatch | 9581 |

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) Maria S Gomez TITLE Principal Regulatory Analyst
 SIGNATURE *Maria S. Gomez* DATE 01/29/2014

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

Attachment to Well Completion Report**Form 8 Dated January 29, 2014****Well Name: Adelman 2-4C4****Items #27 and #28 Continued****27. Perforation Record**

| Interval (Top/Bottom – MD) | Size | No. of Holes | Perf. Status |
|-----------------------------------|-------------|---------------------|---------------------|
| 10493'-10720' | .43 | 69 | Open |
| 10212'-10468' | .43 | 69 | Open |
| 9943'-10182' | .43 | 69 | Open |
| | | | |

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|-----------------------|---|
| 10749'-10974' | 5000 gal acid, 3000# 100 mesh, 139210# PowerProp |
| 10493'-10720' | 5000 gal acid, 3000# 100 mesh, 149200# 20/40 Tempered LC |
| 10212'-10468' | 5000 gal acid, 3000# 100 mesh, 139540# 20/40 Tempered LC |
| 9943'-10182' | 5000 gal acid, 4420# 100 mesh, 141920# 20/40 Tempered LC |
| | |



Company: EP Energy **Job Number:** _____
Well: Adelman 2-4C4 **Mag Decl.:** _____
Location: Duchesne, UT **Dir Driller:** _____
Rig: Patterson 307 **MWD Eng:** _____
Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

| Survey Number | Survey Depth (ft) | Inclination (deg) | Azimuth (deg) | Course Length (ft) | True Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | Closure | | Dogleg Severity (d/100') | Build Rate (d/100') | Walk Rate (d/100') | | |
|---------------|-------------------|-------------------|---------------|--------------------|--------------------------|-----------------------|-------------|----------|---------------|-------------------|--------------------------|---------------------|--------------------|-------|---------|
| | | | | | | | N/S (ft) | E/W (ft) | Distance (ft) | Direction Azimuth | | | | | |
| Tie In | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | |
| 1 | 673.00 | 0.79 | 179.99 | 673.00 | 672.98 | -4.64 | 4.64 | S | 0.00 | E | 4.64 | 179.99 | 0.12 | 0.12 | 26.74 |
| 2 | 767.00 | 1.14 | 168.83 | 94.00 | 766.97 | -6.21 | 6.21 | S | 0.18 | E | 6.21 | 178.32 | 0.42 | 0.37 | -11.87 |
| 3 | 862.00 | 0.14 | 288.03 | 95.00 | 861.96 | -7.10 | 7.10 | S | 0.25 | E | 7.10 | 177.94 | 1.28 | -1.05 | 125.47 |
| 4 | 957.00 | 1.62 | 316.69 | 95.00 | 956.95 | -6.08 | 6.08 | S | 0.78 | W | 6.13 | 187.28 | 1.58 | 1.56 | 30.17 |
| 5 | 1052.00 | 2.87 | 312.84 | 95.00 | 1051.87 | -3.49 | 3.49 | S | 3.44 | W | 4.90 | 224.61 | 1.32 | 1.32 | -4.05 |
| 6 | 1147.00 | 3.05 | 315.65 | 95.00 | 1146.74 | -0.06 | 0.06 | S | 6.95 | W | 6.95 | 269.47 | 0.24 | 0.19 | 2.96 |
| 7 | 1242.00 | 2.74 | 316.90 | 95.00 | 1241.62 | 3.40 | 3.40 | N | 10.27 | W | 10.82 | 288.32 | 0.33 | -0.33 | 1.32 |
| 8 | 1337.00 | 2.88 | 311.77 | 95.00 | 1336.51 | 6.65 | 6.65 | N | 13.60 | W | 15.14 | 296.05 | 0.30 | 0.15 | -5.40 |
| 9 | 1433.00 | 2.98 | 305.46 | 96.00 | 1432.38 | 9.70 | 9.70 | N | 17.43 | W | 19.95 | 299.10 | 0.35 | 0.10 | -6.57 |
| 10 | 1624.00 | 3.99 | 321.26 | 191.00 | 1623.03 | 17.77 | 17.77 | N | 25.64 | W | 31.19 | 304.72 | 0.72 | 0.53 | 8.27 |
| 11 | 1719.00 | 4.00 | 326.33 | 95.00 | 1717.80 | 23.10 | 23.10 | N | 29.54 | W | 37.50 | 308.03 | 0.37 | 0.01 | 5.34 |
| 12 | 1815.00 | 3.30 | 340.30 | 96.00 | 1813.61 | 28.49 | 28.49 | N | 32.33 | W | 43.09 | 311.39 | 1.17 | -0.73 | 14.55 |
| 13 | 1911.00 | 3.01 | 6.33 | 96.00 | 1909.47 | 33.60 | 33.60 | N | 32.98 | W | 47.08 | 315.53 | 1.51 | -0.30 | -347.89 |
| 14 | 2007.00 | 2.67 | 349.46 | 96.00 | 2005.35 | 38.30 | 38.30 | N | 33.11 | W | 50.63 | 319.15 | 0.94 | -0.35 | 357.43 |
| 15 | 2102.00 | 2.68 | 10.77 | 95.00 | 2100.25 | 42.66 | 42.66 | N | 33.10 | W | 54.00 | 322.19 | 1.04 | 0.01 | -356.52 |
| 16 | 2198.00 | 2.41 | 12.48 | 96.00 | 2196.15 | 46.83 | 46.83 | N | 32.25 | W | 56.86 | 325.45 | 0.29 | -0.28 | 1.78 |
| 17 | 2293.00 | 2.22 | 14.05 | 95.00 | 2291.08 | 50.57 | 50.57 | N | 31.37 | W | 59.51 | 328.19 | 0.21 | -0.20 | 1.65 |
| 18 | 2388.00 | 2.08 | 11.77 | 95.00 | 2386.01 | 54.04 | 54.04 | N | 30.57 | W | 62.09 | 330.50 | 0.17 | -0.15 | -2.40 |
| 19 | 2440.00 | 1.87 | 5.28 | 52.00 | 2437.98 | 55.81 | 55.81 | N | 30.30 | W | 63.51 | 331.50 | 0.59 | -0.40 | -12.48 |
| 20 | 2523.00 | 1.63 | 5.00 | 83.00 | 2520.94 | 58.33 | 58.33 | N | 30.07 | W | 65.63 | 332.73 | 0.29 | -0.29 | -0.34 |
| 21 | 2619.00 | 1.49 | 10.17 | 96.00 | 2616.90 | 60.92 | 60.92 | N | 29.73 | W | 67.79 | 333.98 | 0.21 | -0.15 | 5.39 |
| 22 | 2713.00 | 1.31 | 5.99 | 94.00 | 2710.88 | 63.19 | 63.19 | N | 29.41 | W | 69.70 | 335.05 | 0.22 | -0.19 | -4.45 |
| 23 | 2809.00 | 1.25 | 6.49 | 96.00 | 2806.85 | 65.33 | 65.33 | N | 29.17 | W | 71.54 | 335.94 | 0.06 | -0.06 | 0.52 |
| 24 | 2904.00 | 0.99 | 0.69 | 95.00 | 2901.83 | 67.18 | 67.18 | N | 29.05 | W | 73.19 | 336.62 | 0.30 | -0.27 | -6.11 |
| 25 | 2999.00 | 0.59 | 347.29 | 95.00 | 2996.83 | 68.47 | 68.47 | N | 29.14 | W | 74.42 | 336.94 | 0.46 | -0.42 | 364.84 |
| 26 | 3094.00 | 0.27 | 299.51 | 95.00 | 3091.82 | 69.06 | 69.06 | N | 29.45 | W | 75.08 | 336.91 | 0.48 | -0.34 | -50.29 |
| 27 | 3190.00 | 0.45 | 258.82 | 96.00 | 3187.82 | 69.10 | 69.10 | N | 30.01 | W | 75.34 | 336.52 | 0.31 | 0.19 | -42.39 |
| 28 | 3286.00 | 1.12 | 359.92 | 96.00 | 3283.81 | 69.97 | 69.97 | N | 30.38 | W | 76.28 | 336.53 | 1.34 | 0.70 | 105.31 |
| 29 | 3382.00 | 2.59 | 4.12 | 96.00 | 3379.76 | 73.07 | 73.07 | N | 30.23 | W | 79.07 | 337.52 | 1.54 | 1.53 | -370.63 |
| 30 | 3477.00 | 1.92 | 4.10 | 95.00 | 3474.69 | 76.80 | 76.80 | N | 29.96 | W | 82.43 | 338.69 | 0.71 | -0.71 | -0.02 |
| 31 | 3573.00 | 2.29 | 10.67 | 96.00 | 3570.62 | 80.28 | 80.28 | N | 29.49 | W | 85.53 | 339.83 | 0.46 | 0.39 | 6.84 |
| 32 | 3668.00 | 2.86 | 348.97 | 95.00 | 3665.53 | 84.48 | 84.48 | N | 29.59 | W | 89.51 | 340.69 | 1.18 | 0.60 | 356.11 |
| 33 | 3764.00 | 3.69 | 355.37 | 96.00 | 3761.37 | 89.91 | 89.91 | N | 30.30 | W | 94.88 | 341.37 | 0.94 | 0.86 | 6.67 |
| 34 | 3860.00 | 3.14 | 351.39 | 96.00 | 3857.20 | 95.58 | 95.58 | N | 30.94 | W | 100.47 | 342.06 | 0.62 | -0.57 | -4.15 |
| 35 | 3955.00 | 2.59 | 349.00 | 95.00 | 3952.08 | 100.26 | 100.26 | N | 31.74 | W | 105.17 | 342.43 | 0.59 | -0.58 | -2.52 |

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | |
|--|---|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee | |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | |
| 1. TYPE OF WELL Oil Well | | 7. UNIT or CA AGREEMENT NAME: | |
| 2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P. | | 8. WELL NAME and NUMBER: Adelman 2-4C4 | |
| 3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 | | 9. API NUMBER: 43013522940000 | |
| PHONE NUMBER: 713 997-5038 Ext | | 9. FIELD and POOL or WILDCAT: ALTAMONT | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0700 FSL 0801 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 04 Township: 03.0S Range: 04.0W Meridian: U | | COUNTY: DUCHESNE | |
| | | STATE: UTAH | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/23/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Downsize"/> |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Downsized & deepened pump. See attached for details. | | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 17, 2015 | | | |
| NAME (PLEASE PRINT) Maria S. Gomez | PHONE NUMBER 713 997-5038 | TITLE Principal Regulatory Analyst | |
| SIGNATURE N/A | | DATE 2/12/2015 | |

CENTRAL DIVISION

ALTAMONT FIELD
ADELMAN 2-4C4
ADELMAN 2-4C4
WORKOVER LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General**1.1 Customer Information**

| | |
|----------------|------------------|
| Company | CENTRAL DIVISION |
| Representative | |
| Address | |

1.2 Well Information

| | | | |
|---------------------|--------------------------------------|----------|---------------|
| Well | ADELMAN 2-4C4 | | |
| Project | ALTAMONT FIELD | Site | ADELMAN 2-4C4 |
| Rig Name/No. | NABORS DRILLING/1446 | Event | WORKOVER LAND |
| Start date | 12/16/2014 | End date | 12/24/2014 |
| Spud Date/Time | 10/28/2013 | UWI | ADELMAN 2-4C4 |
| Active datum | KB @6,055.5ft (above Mean Sea Level) | | |
| Afe No./Description | 163992/52990 / ADELMAN 2-4C4 | | |

2 Summary**2.1 Operation Summary**

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|------------|----------------|---------------|--------|----------|-----|---------|--------------|--|
| 12/19/2014 | 6:00 7:00 | 1.00 | PRDHEQ | 28 | | P | | CREW TRAVEL, HSM, WRITE & REVIEW JSA (TOPIC) LADDERS, STAIRWAYS & PLATFORMS |
| | 7:00 9:00 | 2.00 | PRDHEQ | 39 | | P | | SLIDE ROTAFLEX BACK, MIRU, PUMP 60 BBLS HOT 2% KCL DOWN CSG. BLEED OFF TBG |
| | 9:00 10:30 | 1.50 | PRDHEQ | 39 | | P | | WORK RODS, TRYING TO UNSEAT PUMP, HOTOILER PUMPING HOT 2% DOWN CSG, UNABLE TO UNSEAT PUMP |
| | 10:30 11:00 | 0.50 | PRDHEQ | 18 | | P | | R/U TBG TONGS, BACK OFF RODS @ 4850' |
| | 11:00 13:30 | 2.50 | PRDHEQ | 39 | | P | | POOH, L/D 86-1", 108-7/8" RODS |
| | 13:30 15:00 | 1.50 | PRDHEQ | 18 | | P | | X-O TO TBG EQUIP., N/D B-FLANGE, N/U 5K TO 10K SPOOL & 5K BOPE, R/U FLOOR & TONGS, RELEASE 7" TAC @ 9216' |
| | 15:00 16:45 | 1.75 | WLWORK | 21 | | P | | R/U WIRELINE TRUCK, RIH PERF. TBG @ 4863' W/ 4 SHOTS, POOH R/D WIRELINERS |
| | 16:45 17:30 | 0.75 | PRDHEQ | 06 | | P | | R/U HOTOILER, FLUSH TBG W/ 40 BBLS, SECURE WELL, SDFN |
| 12/20/2014 | 6:00 7:00 | 1.00 | PRDHEQ | 28 | | P | | CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) LAY DOWN TUBING & RODS |
| | 7:00 10:00 | 3.00 | PRDHEQ | 39 | | P | | BLEED DOWN WELL, R/U PRS, POOH SCANNING TBG W/ 148 JTS 2 7/8", X-O TO ROD EQUIP., |
| | 10:00 17:30 | 7.50 | PRDHEQ | 39 | | P | | BACK OFF RODS SEVERAL TIMES POOH STRIPPING L/D RODS & SCANNING TBG OOH, W/ 162-3/4" RODS, 10 K-BARS, 154 JTS 2 7/8", 7" TAC, 4 JTS 2 7/8", R/D PRS, L/D BHA, STEAM OFF WORK AREA, SECURE WELL, SDFN. SCANNED 286 JTS 2 7/8" HAD 279 YELLOW, 1 BLUE & 6 RED JTS |
| 12/21/2014 | 6:00 7:00 | 1.00 | PRDHEQ | 28 | | P | | CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) PICK UP TUBING |
| | 7:00 8:30 | 1.50 | PRDHEQ | 32 | | P | | BLEED OFF CSG, R/U DELSCO, RIH TAG TD @ 12,242' (SLM), POOH, R/D DELSCO |
| | 8:30 10:30 | 2.00 | PRDHEQ | 39 | | P | | X-O TO 2 3/8" TBG EQUIP., P/U 2 3/8" BULL PLUG, 2 3/8" DE-SANDER, 2' X 2 3/8" SUB, 2 3/8" + 45 S/N, 4' X 2 3/8" SUB, RIH W/ BHA, P/U 4 JTS NEW 2 3/8", 5" TAC, 80 JTS NEW 2 3/8", 2 3/8" X 2 7/8" X-O, CHANGE OVER TO 2 7/8" EQUIP. |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|------------|----------------|---------------|---------|----------|-----|---------|--------------|--|
| | 10:30 17:30 | 7.00 | PRDHEQ | 39 | | P | | R/U HYDRO TESTER, RIH TESTING YELLOW BAND TBG W/ 185 JTS 2 7/8", HAD TO RUN 20 STANDS IN & FLUSH, POOH & TEST THEM, TESTER TOOLS WILL NOT HOLD PRESSURE, R/D TESTER, SECURE WELL, SDFW |
| 12/22/2014 | 6:00 6:00 | 24.00 | PRDHEQ | 18 | | P | | NO ACTIVITY SDFW |
| 12/23/2014 | 6:00 7:30 | 1.50 | INSTUB | 28 | | P | | CREW TRAVEL, SAFETY MEETING. (HYDROTESTING TUBING SETTING ANCHOR, RIGGING DOWN RIG.) FILL OUT AND REVIEW JSA |
| | 7:30 9:30 | 2.00 | INSTUB | 39 | | P | | CONTINUE TO TRIP INTO WELL OUT OF DERRICK HYDROTESTING TUBING TO 8500 PSI. PICK UP 4 NEW JOINTS TUBING |
| | 9:30 10:00 | 0.50 | INSTUB | 18 | | P | | RIG DOWN HYDROTESTERS AND SET TAC @ 11,759' IN 25K TENSION WITH 281 JOINTS TO ANCHOR. SEAT NIPPLE @ 11,893' AND EOT @ 11,980' |
| | 10:00 12:30 | 2.50 | INSTUB | 16 | | P | | RIG DOWN RIG FLOOR, NIPPLE DOWN BOP, HANG TUBING ON 10K B-FLANGE AND NIPPLE UP WELLHEAD. INSTALL 60' CAP STRING IN TAPPED B-FLANGE |
| | 12:30 13:30 | 1.00 | RDMO | 02 | | P | | RIG DOWN WORKOVER RIG AND MOVE OUT WHILE FLUSHING TUBING WITH 70 BBLS 2% KCL AND SPOT 10 GALLONS CORROSION INHIBITOR IN TUBING. |
| | 13:30 14:00 | 0.50 | MIRU | 01 | | P | | MOVE IN AND RIG UP COROD RIG |
| | 14:00 17:30 | 3.50 | INARTLT | 03 | | P | | PICK UP 2 1/2" X 1 1/4" X 38' ROD PUMP AND TIH WITH CO ROD MAKING A WELD TO JOIN TWO SPOOLS TIH WITH 9700' CO ROD TTL AND SECURE WELL. SHUT DOWN FOR DAY |
| 12/24/2014 | 6:00 7:30 | 1.50 | INARTLT | 28 | | P | | CREW TRAVEL, SAFETY MEETING (WELDING CO ROD AND RIGGING DOWN. HELP-EYES ON TARGET AND HAND PLACEMENT |
| | 7:30 9:30 | 2.00 | INARTLT | 03 | | P | | CONTINUE IN HOLE WITH CO ROD AND SPACE OUT |
| | 9:30 11:00 | 1.50 | INARTLT | 03 | | P | | WELD ON TOP PIN AND SEAT ROD PUMP @ 11,893' |
| | 11:00 11:30 | 0.50 | INARTLT | 18 | | P | | FILL AND TEST TUBING TO 1000 PSI WITH 15 BBLS 2% KCL TEST GOOD GOOD PUMP ACTION. |
| | 11:30 13:00 | 1.50 | INARTLT | 18 | | P | | RIG DOWN CO ROD RIG AND SLIDE ROTA FLEX. HANG RODS OFF AND PUT WELL ON PRODUCTION. TURN OVER TO PRODUCTION |

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| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| 1. TYPE OF WELL Oil Well | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P. | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002 | 8. WELL NAME and NUMBER: Adelman 2-4C4 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0700 FSL 0801 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 04 Township: 03.0S Range: 04.0W Meridian: U | 9. API NUMBER: 43013522940000 |
| 3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002 | PHONE NUMBER: 713 997-5038 Ext |
| 9. FIELD and POOL or WILDCAT: ALTAMONT | COUNTY: DUCHESNE |
| STATE: UTAH | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/3/2015 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

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

EP plans to recomplete to Wasatch & LGR. See attached for details.

Approved by the
September 01, 2015
Oil, Gas and Mining

Date: _____
By: DeKQ

| | | |
|---------------------------------------|------------------------------|---------------------------------------|
| NAME (PLEASE PRINT) Maria S. Gomez | PHONE NUMBER 713 997-5038 | TITLE Principal Regulatory Analyst |
| SIGNATURE N/A | DATE 8/31/2015 | |

Adelman 2-4C4 Recom Summary Procedure

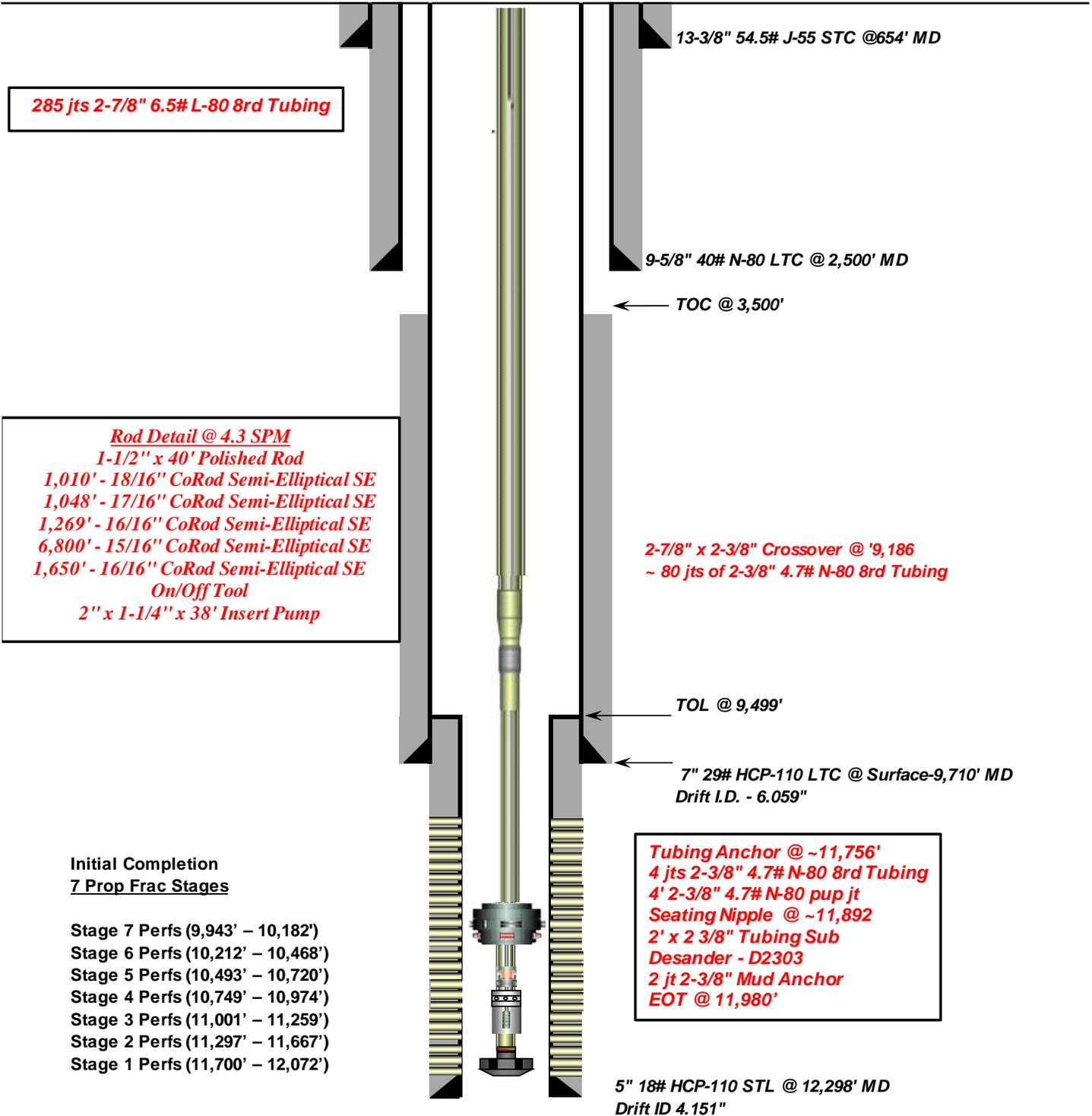
- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Circulate & Clean wellbore
- Set CBP for 5" 18# casing @ 9,935' to plug back currently producing zones (Top perf @ 9,943'). Dump bail 40' sand on top of plug @ 9,935'.
- Stage 1:
 - Perforate new CP70/LGR interval from ~**9,751 – 9,886'**
 - Prop Frac perforations with **70,000 Lbs 30/50 prop** (w/**3,000 lbs 100 Mesh & 5,000 Gal 15% HCl Acid**) (STAGE 1 Recom)
- Stage 2:
 - RIH with 5"CBP & set @ 9,705'.
 - Perforate new LGR interval from ~**9,554 – 9,690'**
 - Prop Frac perforations with **70,000 Lbs 30/50 prop** (w/**3,000 lbs 100 Mesh & 5,000 Gal 15% HCl Acid**) (STAGE 2 Recom)
- Stage 3:
 - RIH with 5"CBP & set @ 9,530'.
 - Perforate new LGR interval from ~**9,224 – 9,490'**
 - Prop Frac perforations with **125,000 Lbs 30/50 prop** (w/**3,000 lbs 100 Mesh & 5,000 Gal 15% HCl Acid**) (STAGE 3 Recom)
- Stage 4:
 - RIH w/ 7" CBP & set @ 9,189'.
 - Perforate new LGR interval from ~**8,911' – 9,174'**
 - Acidize perforations with w/ **24,000 Gals 15% HCl Acid** (STAGE 4 Recom)
- Clean out well drilling up (1) 7" CBP and (2) 5" CBP, leaving 40' sand on top of 5" CBP @ 9,935'. Top perf BELOW plug @ 9,943'.
- RIH w/ production tubing and rods.
- Clean location and resume production.



Current Pumping Schematic

Company Name: EP Energy
 Well Name: Adelman 2-4 C4
 Field, County, State: Altamont - Bluebell, Duchesne, Utah
 Surface Location: Lat: 40°14'38.67825" N Long: 110°20'05.25355" W
 Producing Zone(s): Wasatch

Last Updated: 3/13/2015
 By: Krug
 TD: 12,300'
 BHL: _____
 Elevation: _____

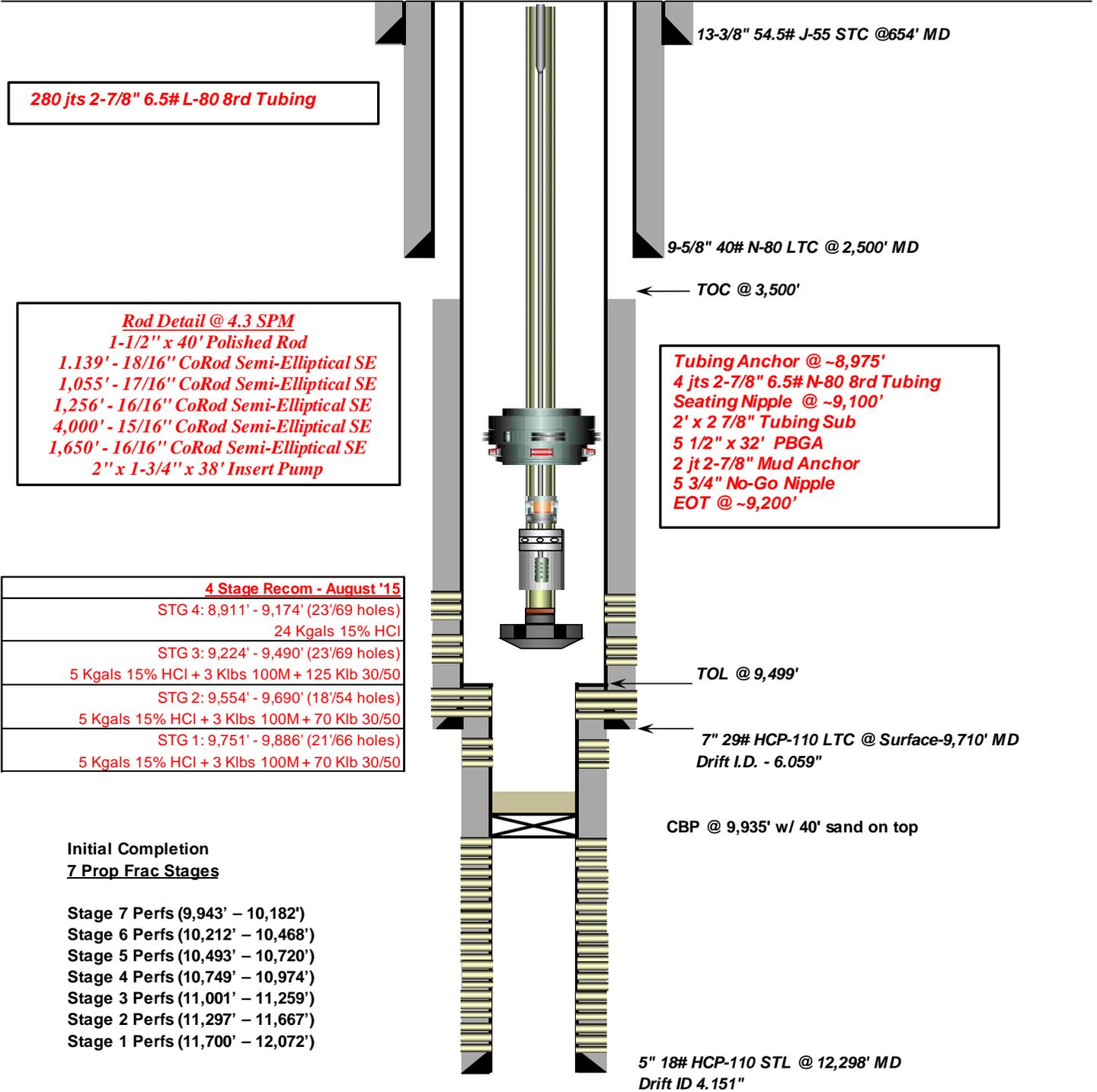




Proposed Recom Pumping Schematic

Company Name: EP Energy
 Well Name: Adelman 2-4 C4
 Field, County, State: Altamont - Bluebell, Duchesne, Utah
 Surface Location: Lat: 40°14'38.67825" N Long: 110°20'05.25355" W
 Producing Zone(s): Wasatch

Last Updated: 8/27/2015
 By: Tomova
 TD: 12,300'
 BHL: _____
 Elevation: _____



280 jts 2-7/8\" 6.5# L-80 8rd Tubing

13-3/8\" 54.5# J-55 STC @654' MD

Rod Detail @ 4.3 SPM
 1-1/2\" x 40' Polished Rod
 1,139' - 18/16\" CoRod Semi-Elliptical SE
 1,055' - 17/16\" CoRod Semi-Elliptical SE
 1,256' - 16/16\" CoRod Semi-Elliptical SE
 4,000' - 15/16\" CoRod Semi-Elliptical SE
 1,650' - 16/16\" CoRod Semi-Elliptical SE
 2\" x 1-3/4\" x 38' Insert Pump

9-5/8\" 40# N-80 LTC @ 2,500' MD

← TOC @ 3,500'

Tubing Anchor @ ~8,975'
 4 jts 2-7/8\" 6.5# N-80 8rd Tubing
 Seating Nipple @ ~9,100'
 2' x 2 7/8\" Tubing Sub
 5 1/2\" x 32' PBGA
 2 jt 2-7/8\" Mud Anchor
 5 3/4\" No-Go Nipple
 EOT @ ~9,200'

| 4 Stage Recom - August '15 | |
|--------------------------------------|---|
| STG 4: 8,911' - 9,174' (23/69 holes) | 24 Kgals 15% HCl |
| STG 3: 9,224' - 9,490' (23/69 holes) | 5 Kgals 15% HCl + 3 Klbs 100M + 125 Klb 30/50 |
| STG 2: 9,554' - 9,690' (18/54 holes) | 5 Kgals 15% HCl + 3 Klbs 100M + 70 Klb 30/50 |
| STG 1: 9,751' - 9,886' (21/66 holes) | 5 Kgals 15% HCl + 3 Klbs 100M + 70 Klb 30/50 |

← TOL @ 9,499'

← 7\" 29# HCP-110 LTC @ Surface-9,710' MD
 Drift I.D. - 6.059"

CBP @ 9,935' w/ 40' sand on top

**Initial Completion
 7 Prop Frac Stages**

- Stage 7 Perfs (9,943' - 10,182')
- Stage 6 Perfs (10,212' - 10,468')
- Stage 5 Perfs (10,493' - 10,720')
- Stage 4 Perfs (10,749' - 10,974')
- Stage 3 Perfs (11,001' - 11,259')
- Stage 2 Perfs (11,297' - 11,667')
- Stage 1 Perfs (11,700' - 12,072')

5\" 18# HCP-110 STL @ 12,298' MD
 Drift ID 4.151"

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

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

12. COUNTY

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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:

3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____ PHONE NUMBER: _____

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED: _____ 15. DATE T.D. REACHED: _____ 16. DATE COMPLETED: _____ ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL): _____

18. TOTAL DEPTH: MD _____ TVD _____ 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 |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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) | | | | |
| (B) | | | | |
| (C) | | | | |
| (D) | | | | |

27. PERFORATION RECORD

| INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|-------------------------|------|-----------|---|
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|-----------------------------|
| | |
| | |
| | |

29. ENCLOSED ATTACHMENTS: 8911-9174 24000 gals 15% HCL Acid SEE ADDITIONAL REMARKS

- ELECTRICAL/MECHANICAL LOGS
- GEOLOGIC REPORT
- DST REPORT
- DIRECTIONAL SURVEY
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- CORE ANALYSIS
- OTHER: _____

30. WELL STATUS:

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: |
| 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.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|-----------|----------|-------------|------------------------------|------|----------------------|
| | | | | | |

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) _____ TITLE _____

SIGNATURE _____ DATE _____

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

CENTRAL DIVISION

ALTAMONT FIELD
ADELMAN 2-4C4
ADELMAN 2-4C4
RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General**1.1 Customer Information**

| | |
|----------------|------------------|
| Company | CENTRAL DIVISION |
| Representative | |
| Address | |

1.2 Well Information

| | | | |
|---------------------|--------------------------------------|----------|-----------------|
| Well | ADELMAN 2-4C4 | | |
| Project | ALTAMONT FIELD | Site | ADELMAN 2-4C4 |
| Rig Name/No. | | Event | RECOMPLETE LAND |
| Start date | 9/2/2015 | End date | 9/21/2015 |
| Spud Date/Time | 10/28/2013 | UWI | ADELMAN 2-4C4 |
| Active datum | KB @6,055.5ft (above Mean Sea Level) | | |
| Afe No./Description | 165299/54643 / ADELMAN 2-4C4 | | |

2 Summary**2.1 Operation Summary**

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|-------------|----------------|---------------|--------|----------|-----|---------|---|--|
| 9/3/2015 | 16:00 16:30 | 0.50 | MIRU | 28 | | P | | TGSM & JSA (CO ROD OPERATIONS) |
| | 16:30 17:30 | 1.00 | MIRU | 01 | | P | | MI SLIDE UNIT, RIG UP |
| | 17:30 19:00 | 1.50 | PRDHEQ | 39 | | P | | ATTEMPT TO WORK OFF SEAT PUMPING DOWN CASING W/ NO SUCCESS. |
| | 19:00 22:00 | 3.00 | PRDHEQ | 39 | | P | | POOH W/ 1010' # 8, 1048' # 7, 1269' # 6, 6800' # 5, 1650' # 6, ON/OFF TOOL |
| 9/4/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CT HOLD SAFETY MTG ON USING STOP WORK AUTHORITY, WRITE & REVIEW JSA'S |
| | 7:30 10:00 | 2.50 | WOR | 18 | | P | | ROAD RIG TO LOC SPOT IN & RIG UP, MIRU W.L. RIH & PERF TBG @ 11830' POOH W/ W.L. & RIG DWN, FLUSH TBG W/ 65 BBLS |
| | 10:00 11:30 | 1.50 | WOR | 16 | | P | | NDWH, NUBOP, RU WORK FLOOR & RELEASE 5" TAC |
| | 11:30 14:00 | 2.50 | WOR | 39 | | P | | POOH & STAND BACK IN DERRICK W/ 281 JTS 2-7/8" EUE L-80 TBG |
| | 14:00 15:00 | 1.00 | WOR | 24 | | P | | POOH & LD 2-7/8" X 2-3/8" X OVER, 80 JTS 2-3/8" TBG, 5" TAC 4 JTS 2-3/8" TBG, 4' TBG SUB 2-3/8" P.S.N. W/ ROD PUMP, 2' SUB, 2-3/8" DESANDER, 2 JTS 2-3/8" & 2-3/8" SOLID BULL PLUG,(NO SCALE ON BHA) |
| 15:00 18:00 | 3.00 | WLWORK | 26 | | P | | MIRU LONE WOLF W.L. RIH & 5.90" GR & JB TO 5" LINER TOP @ 9499' & 4" GR/JB TO 9940', RIH W/ 5" CBP & SET @ 9935', POOH SHUT & LOCK BLIND RAMS, CLOSE & NIGHT CAP CSG VALVES, SDFN | |
| 9/5/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CT HOLD SAFETY MTG ON WIRE LINE WORK WRITE & REVIEW JSA'S |
| | 7:30 11:00 | 3.50 | WLWORK | 04 | | P | | 0 PSI ON CSG, DUMP BAIL 40' SAND ON CBP @ 9935' IN 4 RUNS, TOP OF SAND @ 9895', RIG DWN W.L. |
| | 11:00 15:30 | 4.50 | STG01 | 16 | | P | | RD WORK FLOOR, ND5K BOP, NU 7" 10K FRAC VALVE, FILL CSG W/ 235 BBLS TREATED 2% KCL, FLUID LEVEL @ 6330', TEST CSG TO 8000 PSI FOR 15 MIN GOOD TEST, NU FRAC STACK TEST STACK TO 9500 PSI FOR 15 MIN GOOD TEST, RUN FLOW BACK LINES, CLOSE & LOCK FRAC STACK, CLOSE & NIGHT CAP CSG VALVES SDFW |
| 9/6/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/7/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|-----------|----------------|---------------|--------|----------|-----|---------|--------------|---|
| 9/8/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFHW |
| 9/9/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL TO LOC HOLD SAFETY MTG ON WIRE LINE PERFORATING WRITE & REVIEW JSA'S |
| | 7:30 11:00 | 3.50 | WLWORK | 21 | | P | | RU W.L. RIH & PERF STG 1 PERFS FROM 9866' TO 9751' IN 1 RUN USING 2-3/4" TAG-RTG GUNS, W/ 16 GRM CHARGES 3 JSPF @ 120 DEG PHASING, ALL PERFS CORRELATED TO LONE WOLF CBL/GR/CCL LOG DATED 12/2/2013, STARTING PRESSURE 1000 PSI ENDING PRESSURE 800 PSI, POOH W/ W.L., SHUT & LOCK HCR VALVES, CLOSE FRAC VALVE & NIGHT CAP CSG VALVES |
| | 11:00 18:00 | 7.00 | MIRU | 01 | | P | | MIRU HALLIBURTON FRAC EQUIP, RU BOSQUE & TREAT ALL FRAC WATER W/ CHLORINE DIOXIDE, SDFN |
| 9/10/2015 | 6:00 7:30 | 1.50 | STG01 | 28 | | P | | TRAVEL TO LOC HOLD SAFETY MTG ON FRACING & WIRE LINE OPERATIONS, WRITE & REVIEW JSA'S |
| | 7:30 9:00 | 1.50 | STG01 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9161 PSI. OPEN WELL. SICP 1023 PSI. BREAK DOWN STAGE 1 PERFORATIONS @ 5415 PSI, PUMPING 10 BPM. BRING RATE UPTO 45 BPM. PUMP 110 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN TEST. ISIP 4308 PSI. FG .87. 5 MIN 3968 PSI. 10 MIN 3943 PSI. TREAT STAGE 1 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000 LBS 100 MESH SAND IN 1/2 PPG STAGE & 70,400 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 1.75 PPG & 2.5 PPG STAGES. ISIP 4038 PSI. FG .84. AVG RATE 69.2 BPM. MAX RATE 75.5 BPM. AVG PSI 5478 PSI. MAX PSI 6794 PSI. SHUT IN WELL, & TURN OVER TO WIRE LINE. 2530 BBLS FLUID TO RECOVER. |
| | 9:00 10:30 | 1.50 | STG02 | 21 | | P | | RIH & SET 5" CBP @ 9705'. PERFORATE STAGE 2 PERFORATIONS FROM 9690' TO 9554', USING 2-3/4" OWEN SUPER HERO SDP GUNS, 15 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. ALL PERFS CORRELATED TO LONE WOLF CBL/GR/CCL RUN 1 LOG DATED 12/2/2013, STARTING PRESSURE 3500 PSI, ENDING 3300 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW |
| | 10:30 12:00 | 1.50 | STG02 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9025 PSI. OPEN WELL. SICP 2875 PSI. BREAK DOWN STAGE 2 PERFORATIONS @ 4368 PSI, PUMPING 10 BPM. BRING RATE UPTO 35.5 BPM. PUMP 88 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN TEST. ISIP 3349 PSI. FG .78. 5 MIN 2976 PSI. 10 MIN 2895 PSI. 15 MIN 2850 PSI. TREAT STAGE 2 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000 LBS 100 MESH SAND IN 1/2 PPG STAGE & 70,500 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 1.75 PPG & 2.5 PPG STAGES. ISIP 3862 PSI. FG .83. AVG RATE 71.7 BPM. MAX RATE 75.5 BPM. AVG PSI 5539 PSI. MAX PSI 7034 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 2536 BBLS FLUID TO RECOVER. |
| | 12:00 14:00 | 2.00 | STG03 | 21 | | P | | RIH & SET 5" CBP @ 9540'. PERFORATE STAGE 3 PERFORATIONS FROM 9490' TO 9224', USING 2-3/4" OWEN SUPER HERO SDP GUNS, 15 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. ALL PERFS CORRELATED TO LONE WOLF CBL/GR/CCL RUN 1 LOG DATED 12/2/2013, STARTING PRESSURE 3200 PSI, ENDING 2800 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|-----------|----------------|---------------|-------|----------|-----|---------|--------------|---|
| | 14:00 15:30 | 1.50 | STG03 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9182 PSI. OPEN WELL. SICP 2791 PSI. BREAK DOWN STAGE 3 PERFORATIONS @ 3379 PSI, PUMPING 10 BPM. BRING RATE UPTO 40 BPM. PUMP 108 TTL BBLS FLUID THEN PERFORM STEP RATE SHUT DOWN TEST. ISIP 2955 PSI. FG .75. 5 MIN 2807 PSI. 10 MIN 2719 PSI. TREAT STAGE 3 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000 LBS 100 MESH SAND IN 1/2 PPG STAGE & 125740 LBS WHITE 30/50 SAND IN 1/2 PPG, 1 PPG, 1.5 PPG, 2 PPG & 3 PPG STAGES. ISIP 2978 PSI. FG .75. AVG RATE 71.3 BPM. MAX RATE 75.9 BPM. AVG PSI 4071 PSI. MAX PSI 4794 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3791 BBLS FLUID TO RECOVER. |
| | 15:30 16:30 | 1.00 | STG04 | 21 | | P | | RIH SET 7" CBP @ 9189', WENT TO PERF STG 4 & GUNS GROUNDED OUT |
| | 16:30 18:30 | 2.00 | STG04 | 21 | | N | | POOH W/ PERF GUN, LD & FIX GROUNDED OUT WIRE, RIH W/ PERF GUN |
| | 18:30 19:30 | 1.00 | STG04 | 21 | | P | | PERF STG 4 PERFS FROM 9174' TO 8911', USING OWEN SUPER HERO SDP GUND, 22.7 GM CHARGES, 3 SPF @ 120 DEG PHASING, STARTING PRESSURE 2200 PSI & ENDING PRESSURE 1800 PSI, POOH CLOSE IN 7" 10K FRAC VALVE, LD GUNS, CLOSE IN & LOCK HCR VALVES, NIGHT CAP TOP OF FRAC STACK SECURE WELL SDFN |
| 9/11/2015 | 6:00 7:30 | 1.50 | STG04 | 28 | | P | | CT HOLD SAFETY MTG ON ACIDIZING, WRITE & REVIEW JSA'S |
| | 7:30 8:00 | 0.50 | STG04 | 18 | | P | | OFF LOAD & MIX ACID |
| | 8:00 9:00 | 1.00 | STG04 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9028 PSI, OPEN WELL CSG 1397 PSI, BRK STG 4 PERFS DWN @ 1868 PSI @ 10 BPM, BRING RATE UP TO 45 BPM PUMP A TOTAL OF 127 BBLS & PERFORM STEP DWN RATE TEST, ISIP 1945 PSI, F.G. .65, 5 MIN 1686 PSI, 10 MIN 1625 PSI & 15 MIN 1592 PSI, TREAT PERFS W/ 12000 GALS 15% HCL ACID, 70 BBL SPACER WHILE DROPPING 95 BIO BALLS, 12,000 GALS 15% HCL ACID & FLUSH TO BTM PERF W/ 340 BBLS 2% KCL, ISIP 1929 PSI, F.G. .64, 5 MIN 1814 PSI, 10 MIN 1756 PSI & 15 MIN, TOTAL BBLS TO REC 1170 BBLS, SHUT WELL IN |
| | 9:00 12:00 | 3.00 | RDMO | 02 | | P | | RIG DWN & MOVE OFF LOCATION W/ W.L. & FRAC EQUIP |
| | 12:00 14:00 | 2.00 | WOR | 16 | | P | | ND FRAC STACK TO 7" 10K FRAC VALVE, NU & TEST 5K BOP, RU WORK FLOOR & TBG TONGS |
| | 14:00 6:00 | 16.00 | FB | 19 | | P | | OPEN WELL TO FLOW BACK TANK 1000 PSI ON 12/64 CHOKE FLOWED 246 BBLS WATER CURRENT PRESSURE 0 PSI |
| 9/12/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL HOLD SAFETY MTG ON TIH W/ TBG & OVER HEAD LOADS, WRITE & REVIEW JSA'S |
| | 7:30 10:30 | 3.00 | WOR | 39 | | P | | TALLY & RIH W/ 6" ROCK BIT, BIT SUB & 282 JTS 2-7/8" EUE L-80 TBG, TAG 7" CBP @ 9187' |
| | 10:30 12:00 | 1.50 | WOR | 06 | | P | | RU POWER SWIVEL, BREAK CIRC W/ 45 BBLS 2% KCL |
| | 12:00 15:30 | 3.50 | WOR | 10 | | P | | DRILL OUT 7" CBP @ 9187', CIRC TBG CLEAN SWIVEL DWN & TAG SAND BRIDGE @ 9365' DRILL OUT SAND BRIDGE, SWIVEL DWN TO LINER TOP & CIRC TBG CLEAN, PUMP 25 BBLS BRINE DWN TBG, RIG DWN POWER SWIVEL |
| | 15:30 17:30 | 2.00 | WOR | 39 | | P | | POOH & LD 8 JTS 2-7/8" EUE L-80 TBG, TOOH & STAND BACK IN DERRICK W/ 176 JTS 2-7/8" EUE L-80 TBG, EOT @ 3530', INSTALL & CLOSE TIW VALVE, OPEN CSG TO FLOW BACK TANK ON 12/64 CHOKE |
| | 17:30 6:00 | 12.50 | FB | 19 | | P | | OPEN WELL TO FLOW BACK TANK, FLOWED 45 BBLS WATER BACK & DIED, SWI & RELEASE FLOW BACK CREW |
| 9/13/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/14/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/15/2015 | | | | | | | | |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|-----------|----------------|---------------|-------|----------|-----|---------|--------------|--|
| | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREWTRAVEL HELD SAFETY MEETING ON WELL CONTROL. FILLED OUT AND REVIEWED JSA. |
| | 7:30 8:30 | 1.00 | WOR | 06 | | P | | 800 CSIP, 740 TSIP. BLEDDOWN WELL. PUMPED 125 BBLS DOWN TBG NO CIRCULATION. OPENED WELL. |
| | 8:30 9:30 | 1.00 | WOR | 39 | | P | | TOOH W/ 108-JTS 2 7/8 N-80 EUE TBG ,BIT SUB AND BIT. |
| | 9:30 12:30 | 3.00 | WOR | 39 | | P | | RIH W/ 4 1/8 BIT, BIT SUB, 15-JTS 2 3/8 L-80 EUE TBG, X-OVER AND 274-JTS 2 7/8 L-80 EUE TBG. TAGGED REMAINS 7" CBP@ LT 9513 TBG TALLY, RU POWER SWIVEL. |
| | 12:30 18:30 | 6.00 | WOR | 10 | | P | | PUMPED 30 BBLS BROKE REVERSE CIRCULATION. PUMPING 4 BPM AND RETURNING 2.5 BPM. DRILLED OUT REMAINS OF CBP @ LT . CHASED CBP TO 5" CBP @ 9540. CIRCULATE TBG CLEAN, RD POWER SWIVEL. |
| | 18:30 6:03 | | WOR | 39 | | P | | TOOH W/ 22-JTS 2 7/8 L-80 EU TBG . EOT @ 8823' SECURED WELL CLOSED AND LOCKED PIPE RAMS. CLOSED CSG VALVES INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP. SDFN. |
| 9/16/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA. |
| | 7:30 9:30 | 2.00 | WOR | 39 | | P | | RIH W/ 20-JTS 2 7/8 L-80 EUE TBG. TAGGED CBP @ 9540' CHANGED WASHINGTON HEAD. RU POWER SWIVEL. |
| | 9:30 13:00 | 3.50 | WOR | 10 | | P | | PUMPED 25 BBLS BRAKE REVERSE CIRC PUMPING 4 BPM AND RETURNING 3 BPM. DRILLED REMAINS OF 7" CBP AND SAND TO 9547'. CIRCULATED OUT BEARINGS FROM BIT. CIRCULATE TBG CLEAN. RDPOWER SWIVEL. |
| | 13:00 17:30 | 4.50 | WOR | 39 | | P | | TOOH W/ 278-JTS 2 7/8 L-80 EUE TBG, X-OVER, 15-JTS 2 3/8 N-80 EUE TBG,BIT SUB AND 4 1/8 BIT MISSING ALL THREE CONES. RIH W/ 4 1/8 INSERT MILL, 15-JTS 2 3/8 N-80 EUE TBG, X-OVER AND 210-JTS 2 7/8 L-80EUE TBG, EOT @ 7301'. SECURED WELL CLOSED AND LOCKED PIPE RAMS. CLOSED CSG VALVES INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP. SDFN. |
| 9/17/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL HELD SAFETY MEETING ON PUMPING PRESSURE.. FILLED OUT AND REVIEWED JSA. |
| | 7:30 9:30 | 2.00 | WOR | 39 | | P | | RIH W/ 68-JTS 2 7/8 L-80 EUE TBG. TAGGED @ 9547', RU POWER SWIVEL. |
| | 9:30 19:00 | 9.50 | WOR | 10 | | P | | PUMPED 25 BBLS ESTABLISHED REVERSE CIRCULATION. PUMPING 4 BPM AND RETURNING 2 3/4 BPM. DRILLED OUT CONE AND SAND TO CBP @ 9540' (9553' TBG TALLY). DRILLED OUT CBP . CIRCULATE TBG CLEAN. CONTINUED TO SWIVEL TBG IN TO CBP @ 9705' (9718' TBG TALLY) DRILLOUT CBP. PUSHED TO 9738'. CIRCULATE TBG CLEAN.RD POWER SWIVEL. |
| | 19:00 20:00 | 1.00 | WOR | 39 | | P | | TOOH W/ 28-JTS 2 7/8 L-80 EU TBG . EOT @ 8823' SECURED WELL CLOSED AND LOCKED PIPE RAMS. CLOSED CSG VALVES INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP. SDFN. |
| 9/18/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA |
| | 7:30 10:30 | 3.00 | WOR | 10 | | P | | SITP 0 PSI. SICP 250 PSI. OPEN CSG TO FLOW BACK TANK TIH & TAG FILL @ 9839'. PUMP 40 BBLS 2% KCL WTR TO BREAK CIRCULATION. CLEAN OUT TO 9896 '. CIRCULATE WELL CLEAN |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity | Sub | OP Code | MD from (ft) | Operation |
|-----------|----------------|---------------|---------|----------|-----|---------|--|--|
| | 10:30 15:00 | 4.50 | WOR | 39 | | P | | TOOH W/ 208 JTS 2-7/8"EUE (LD 16 JTS). KILL WELL W/ 125 BBLS 10 PPG BRINE WTR. CONTINUE TOOH W/ 80 JTS 2-7/8"EUE TBG. LD 15 JTS 2-3/8"EUE TBG & MILL. TIH W/ NO/GO, 2 JTS 2-7/8"EUT TBG, 5-1/2" OPD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT & 92 JTS 2-7/8"EUE (KILL STRING). SDFN W/ PIPE RAMS CLOSED & LOCKED, TIW CLOSED & CAPPED & CSG VALVES CLOSED & CAPPED. |
| 9/19/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON BLEEDING PRESSURE OFF WELL. FILL OUT & REVIEW JSA |
| | 7:30 11:00 | 3.50 | WOR | 06 | | P | | SITP 70 PSI. SICP 400 PSI. CIRCULATE WELL W/ 276 BBLS 10PPG BRINE WTR.UNABLE TO KILL WELL. KILL TBG W/ 20 BBLS 10 PPG BRINE WTR |
| | 11:00 12:00 | 1.00 | WOR | 39 | | P | | TIH W/ 48 JTS 2-7/8"EUE TBG. EOT @ 4575'. |
| | 12:00 14:00 | 2.00 | WOR | 06 | | P | | CIRCULATE WELL DEAD W/ 200 BBLS 2% KCL WTR |
| | 14:00 18:00 | 4.00 | WOR | 39 | | P | | TOOH W/ 134 JTS 2-7/8"EUE TBG. MU 7" TAC & TIH W/ 274 JTS 2-7/8"EUE TBG. ATTEMPTS TO SET TAC FAILED. SDFN W/ PIPE RAMS CLOSED & LOCKED, TIW VALVE INSTALLED IN TBG & CAPPED & CSG VALVES CLOSED & CAPPED |
| 9/20/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON KILLING WELL. FILL OUT & REVIEW JSA |
| | 7:30 10:00 | 2.50 | WOR | 06 | | P | | SITP 400 PSI. SICP 750 PSI. BLEED GAS OFF CSG & TBG. CIRCULATE WELL DEAD W/ 328 BBLS 10PPG BRINE WTR |
| | 10:00 15:00 | 5.00 | WOR | 39 | | P | | ATTEMPT TO SET TAC. TAC WOULD NOT SET. TOOH 274 JTS 2-7/8"EUE TBG. CHANGE TAC. TIH W/ 274 JTS 2-7/8"EUE TBG. SET TAC @ 8949' IN 20K TENSION. SN @ 9086'. EOT @ 9188' |
| | 15:00 17:00 | 2.00 | WOR | 16 | | P | | ND BOP & FRAC VALVE. NU WELL HEAD @ FLOW LINES. RD RIG. SDFN |
| 9/21/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | NO ACTIVETY TODAY. SHUT DOWN FOR WEEKEND | |
| 9/22/2015 | 6:00 7:30 | 1.50 | MIRU | 01 | | P | | HOLD SAFETY MEETING ON ROADING RIG. MOVE RIG TO LOCATION & RIGUP |
| | 7:30 9:00 | 1.50 | INARTLT | 15 | | P | | FLUSH TBG W/ 50 BBLS 2% KCL WTR. KILL TBG W/ 40 BBLS 10 PPG BRINE WTR |
| | 9:00 16:00 | 7.00 | INARTLT | 39 | | P | | RIH W/ 2-1/2" X 1-3/4" RHBC ROD PUMP, 2' STABILIZER ROD, ON/OFF TOOL, 1650' # 6 COROD & 6800' # 5 COROD. CUT & LD 2820' OF # 5 COROD .WELD COROD. CONTINUE TIH W/ 1269# 6 COROD, 1048' #7 COROD & 1113' #8 COROD. SPACE OUT W/ 1" X 25' ROD, 3 6' X 1" PONY RODS, 2 4' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD. FILL TBG W/ 3 BBLS 2% KCL WTR. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD |
| | 16:00 17:30 | 1.50 | RDMO | 02 | | P | | RD COROD RIG. SLIDE UNIT. TURN WELL OVER TO LEASE OPERATOR |

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | |
|---|---|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee | |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | |
| 1. TYPE OF WELL Oil Well | | 7. UNIT or CA AGREEMENT NAME: | |
| 2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P. | | 8. WELL NAME and NUMBER: Adelman 2-4C4 | |
| 3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 | | 9. API NUMBER: 43013522940000 | |
| PHONE NUMBER: 713 997-5138 Ext | | 9. FIELD and POOL or WILDCAT: ALTAMONT | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0700 FSL 0801 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 04 Township: 03.0S Range: 04.0W Meridian: U | | COUNTY: DUCHESNE | |
| | | STATE: UTAH | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/1/2016 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="DO 1 Plug & Cement"/> |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached operations summary report (this job starts on page 5) for details per approved notice of intent Sundry 69684. | | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 26, 2016 | | | |
| NAME (PLEASE PRINT) Linda Renken | PHONE NUMBER 713 997-5138 | TITLE Sr. Regulatory Analyst | |
| SIGNATURE N/A | | DATE 7/23/2016 | |

CENTRAL DIVISION

ALTAMONT FIELD
ADELMAN 2-4C4
ADELMAN 2-4C4
RECOMPLETE LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General**1.1 Customer Information**

| | |
|----------------|------------------|
| Company | CENTRAL DIVISION |
| Representative | |
| Address | |

1.2 Well Information

| | | | |
|---------------------|--|----------|-----------------|
| Well | ADELMAN 2-4C4 | | |
| Project | ALTAMONT FIELD | Site | ADELMAN 2-4C4 |
| Rig Name/No. | | Event | RECOMPLETE LAND |
| Start date | 9/2/2015 | End date | 9/21/2015 |
| Spud Date/Time | 10/28/2013 | UWI | ADELMAN 2-4C4 |
| Active datum | KB @6,055.5usft (above Mean Sea Level) | | |
| Afe No./Description | 165299/54643 / ADELMAN 2-4C4 | | |

2 Summary**2.1 Operation Summary**

| Date | Time Start-End | Duration (hr) | Phase | Activity Code | Sub | OP Code | MD from (usft) | Operation |
|-------------|----------------|---------------|--------|---------------|-----|---------|---|--|
| 9/3/2015 | 16:00 16:30 | 0.50 | MIRU | 28 | | P | | TGSM & JSA (CO ROD OPERATIONS) |
| | 16:30 17:30 | 1.00 | MIRU | 01 | | P | | MI SLIDE UNIT, RIG UP |
| | 17:30 19:00 | 1.50 | PRDHEQ | 39 | | P | | ATTEMPT TO WORK OFF SEAT PUMPING DOWN CASING W/ NO SUCCESS. |
| | 19:00 22:00 | 3.00 | PRDHEQ | 39 | | P | | POOH W/ 1010' # 8, 1048' # 7, 1269' # 6, 6800' # 5, 1650' # 6, ON/OFF TOOL |
| 9/4/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CT HOLD SAFETY MTG ON USING STOP WORK AUTHORITY, WRITE & REVIEW JSA'S |
| | 7:30 10:00 | 2.50 | WOR | 18 | | P | | ROAD RIG TO LOC SPOT IN & RIG UP, MIRU W.L. RIH & PERF TBG @ 11830' POOH W/ W.L. & RIG DWN, FLUSH TBG W/ 65 BBLS |
| | 10:00 11:30 | 1.50 | WOR | 16 | | P | | NDWH, NUBOP, RU WORK FLOOR & RELEASE 5" TAC |
| | 11:30 14:00 | 2.50 | WOR | 39 | | P | | POOH & STAND BACK IN DERRICK W/ 281 JTS 2-7/8" EUE L-80 TBG |
| | 14:00 15:00 | 1.00 | WOR | 24 | | P | | POOH & LD 2-7/8" X 2-3/8" X OVER, 80 JTS 2-3/8" TBG, 5" TAC 4 JTS 2-3/8" TBG, 4' TBG SUB 2-3/8" P.S.N. W/ ROD PUMP, 2' SUB, 2-3/8" DESANDER, 2 JTS 2-3/8" & 2-3/8" SOLID BULL PLUG, (NO SCALE ON BHA) |
| 15:00 18:00 | 3.00 | WLWORK | 26 | | P | | MIRU LONE WOLF W.L. RIH & 5.90" GR & JB TO 5" LINER TOP @ 9499' & 4" GR/JB TO 9940', RIH W/ 5" CBP & SET @ 9935', POOH SHUT & LOCK BLIND RAMS, CLOSE & NIGHT CAP CSG VALVES, SDFN | |
| 9/5/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CT HOLD SAFETY MTG ON WIRE LINE WORK WRITE & REVIEW JSA'S |
| | 7:30 11:00 | 3.50 | WLWORK | 04 | | P | | 0 PSI ON CSG, DUMP BAIL 40' SAND ON CBP @ 9935' IN 4 RUNS, TOP OF SAND @ 9895', RIG DWN W.L. |
| | 11:00 15:30 | 4.50 | STG01 | 16 | | P | | RD WORK FLOOR, ND5K BOP, NU 7" 10K FRAC VALVE, FILL CSG W/ 235 BBLS TREATED 2% KCL, FLUID LEVEL @ 6330', TEST CSG TO 8000 PSI FOR 15 MIN GOOD TEST, NU FRAC STACK TEST STACK TO 9500 PSI FOR 15 MIN GOOD TEST, RUN FLOW BACK LINES, CLOSE & LOCK FRAC STACK, CLOSE & NIGHT CAP CSG VALVES SDFW |
| 9/6/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/7/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/8/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFHW |
| 9/9/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL TO LOC HOLD SAFETY MTG ON WIRE LINE PERFORATING WRITE & REVIEW JSA'S |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity Code | Sub | OP Code | MD from (usft) | Operation |
|-----------|----------------|---------------|--------|---------------|-----|---------|----------------|---|
| | 7:30 11:00 | 3.50 | WLWORK | 21 | | P | | RU W.L. RIH & PERF STG 1 PERFS FROM 9866' TO 9751' IN 1 RUN USING 2-3/4" TAG-RTG GUNS, W/ 16 GRM CHARGES 3 JSPF @ 120 DEG PHASING, ALL PERFS CORRELATED TO LONE WOLF CBL/GR/CCL LOG DATED 12/2/2013, STARTING PRESSURE 1000 PSI ENDING PRESSURE 800 PSI, POOH W/ W.L., SHUT & LOCK HCR VALVES, CLOSE FRAC VALVE & NIGHT CAP CSG VALVES |
| | 11:00 18:00 | 7.00 | MIRU | 01 | | P | | MIRU HALLIBURTON FRAC EQUIP, RU BOSQUE & TREAT ALL FRAC WATER W/ CHLORINE DIOXIDE, SDFN |
| 9/10/2015 | 6:00 7:30 | 1.50 | STG01 | 28 | | P | | TRAVEL TO LOC HOLD SAFETY MTG ON FRACING & WIRE LINE OPERATIONS, WRITE & REVIEW JSA'S |
| | 7:30 9:00 | 1.50 | STG01 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9161 PSI. OPEN WELL. SICP 1023 PSI. BREAK DOWN STAGE 1 PERFORATIONS @ 5415 PSI, PUMPING 10 BPM. BRING RATE UPTO 45 BPM. PUMP 110 TTL BBLs FLUID THEN PERFORM STEP RATE SHUT DOWN TEST. ISIP 4308 PSI. FG .87. 5 MIN 3968 PSI. 10 MIN 3943 PSI. TREAT STAGE 1 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000 LBS 100 MESH SAND IN 1/2 PPG STAGE & 70,400 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 1.75 PPG & 2.5 PPG STAGES. ISIP 4038 PSI. FG .84. AVG RATE 69.2 BPM. MAX RATE 75.5 BPM. AVG PSI 5478 PSI. MAX PSI 6794 PSI. SHUT IN WELL, & TURN OVER TO WIRE LINE. 2530 BBLs FLUID TO RECOVER. |
| | 9:00 10:30 | 1.50 | STG02 | 21 | | P | | RIH & SET 5" CBP @ 9705'. PERFORATE STAGE 2 PERFORATIONS FROM 9690' TO 9554', USING 2-3/4" OWEN SUPER HERO SDP GUNS, 15 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. ALL PERFS CORRELATED TO LONE WOLF CBL/GR/CCL RUN 1 LOG DATED 12/2/2013, STARTING PRESSURE 3500 PSI, ENDING 3300 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW |
| | 10:30 12:00 | 1.50 | STG02 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9025 PSI. OPEN WELL. SICP 2875 PSI. BREAK DOWN STAGE 2 PERFORATIONS @ 4368 PSI, PUMPING 10 BPM. BRING RATE UPTO 35.5 BPM. PUMP 88 TTL BBLs FLUID THEN PERFORM STEP RATE SHUT DOWN TEST. ISIP 3349 PSI. FG .78. 5 MIN 2976 PSI. 10 MIN 2895 PSI. 15 MIN 2850 PSI. TREAT STAGE 2 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000 LBS 100 MESH SAND IN 1/2 PPG STAGE & 70,500 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 1.75 PPG & 2.5 PPG STAGES. ISIP 3862 PSI. FG .83. AVG RATE 71.7 BPM. MAX RATE 75.5 BPM. AVG PSI 5539 PSI. MAX PSI 7034 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 2536 BBLs FLUID TO RECOVER. |
| | 12:00 14:00 | 2.00 | STG03 | 21 | | P | | RIH & SET 5" CBP @ 9540'. PERFORATE STAGE 3 PERFORATIONS FROM 9490' TO 9224', USING 2-3/4" OWEN SUPER HERO SDP GUNS, 15 GRAM CHARGES, 3 SPF, 120 DEGREE PHASING. ALL PERFS CORRELATED TO LONE WOLF CBL/GR/CCL RUN 1 LOG DATED 12/2/2013, STARTING PRESSURE 3200 PSI, ENDING 2800 PSI, POOH W/ W.L., SHUT WELL IN & TURN OVER TO FRAC CREW |
| | 14:00 15:30 | 1.50 | STG03 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9182 PSI. OPEN WELL. SICP 2791 PSI. BREAK DOWN STAGE 3 PERFORATIONS @ 3379 PSI, PUMPING 10 BPM. BRING RATE UPTO 40 BPM. PUMP 108 TTL BBLs FLUID THEN PERFORM STEP RATE SHUT DOWN TEST. ISIP 2955 PSI. FG .75. 5 MIN 2807 PSI. 10 MIN 2719 PSI. TREAT STAGE 3 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3000 LBS 100 MESH SAND IN 1/2 PPG STAGE & 125740 LBS WHITE 30/50 SAND IN 1/2 PPG, 1 PPG, 1.5 PPG, 2 PPG & 3 PPG STAGES. ISIP 2978 PSI. FG .75. AVG RATE 71.3 BPM. MAX RATE 75.9 BPM. AVG PSI 4071 PSI. MAX PSI 4794 PSI. SHUT IN WELL & TURN OVER TO WIRE LINE. 3791 BBLs FLUID TO RECOVER. |
| | 15:30 16:30 | 1.00 | STG04 | 21 | | P | | RIH SET 7" CBP @ 9189', WENT TO PERF STG 4 & GUNS GROUNDED OUT |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity Code | Sub | OP Code | MD from (usft) | Operation |
|-----------|----------------|---------------|-------|---------------|-----|---------|----------------|--|
| | 16:30 18:30 | 2.00 | STG04 | 21 | | N | | POOH W/ PERF GUN, LD & FIX GROUNDED OUT WIRE, RIH W/ PERF GUN |
| | 18:30 19:30 | 1.00 | STG04 | 21 | | P | | PERF STG 4 PERFS FROM 9174' TO 8911', USING OWEN SUPER HERO SDP GUND, 22.7 GM CHARGES, 3 SPF @ 120 DEG PHASING, STARTING PRESSURE 2200 PSI & ENDING PRESSURE 1800 PSI, POOH CLOSE IN 7" 10K FRAC VALVE, LD GUNS, CLOSE IN & LOCK HCR VALVES, NIGHT CAP TOP OF FRAC STACK SECURE WELL SDFN |
| 9/11/2015 | 6:00 7:30 | 1.50 | STG04 | 28 | | P | | CT HOLD SAFETY MTG ON ACIDIZING, WRITE & REVIEW JSA'S |
| | 7:30 8:00 | 0.50 | STG04 | 18 | | P | | OFF LOAD & MIX ACID |
| | 8:00 9:00 | 1.00 | STG04 | 35 | | P | | PRESSURE TEST PUMP LINES TO 9028 PSI, OPEN WELL CSG 1397 PSI, BRK STG 4 PERFS DWN @ 1868 PSI @ 10 BPM, BRING RATE UP TO 45 BPM PUMP A TOTAL OF 127 BBLs & PERFORM STEP DWN RATE TEST, ISIP 1945 PSI, F.G. .65, 5 MIN 1686 PSI, 10 MIN 1625 PSI & 15 MIN 1592 PSI, TREAT PERFS W/ 12000 GALS 15% HCL ACID, 70 BBL SPACER WHILE DROPPING 95 BIO BALLS, 12,000 GALS 15% HCL ACID & FLUSH TO BTM PERF W/ 340 BBLs 2% KCL, ISIP 1929 PSI, F.G. .64, 5 MIN 1814 PSI, 10 MIN 1756 PSI & 15 MIN, TOTAL BBLs TO REC 1170 BBLs, SHUT WELL IN |
| | 9:00 12:00 | 3.00 | RDMO | 02 | | P | | RIG DWN & MOVE OFF LOCATION W/ W.L. & FRAC EQUIP |
| | 12:00 14:00 | 2.00 | WOR | 16 | | P | | ND FRAC STACK TO 7" 10K FRAC VALVE, NU & TEST 5K BOP, RU WORK FLOOR & TBG TONGS |
| | 14:00 6:00 | 16.00 | FB | 19 | | P | | OPEN WELL TO FLOW BACK TANK 1000 PSI ON 12/64 CHOKE FLOWED 246 BBLs WATER CURRENT PRESSURE 0 PSI |
| 9/12/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL HOLD SAFETY MTG ON TIH W/ TBG & OVER HEAD LOADS, WRITE & REVIEW JSA'S |
| | 7:30 10:30 | 3.00 | WOR | 39 | | P | | TALLY & RIH W/ 6" ROCK BIT, BIT SUB & 282 JTS 2-7/8" EUE L-80 TBG, TAG 7" CBP @ 9187' |
| | 10:30 12:00 | 1.50 | WOR | 06 | | P | | RU POWER SWIVEL, BREAK CIRC W/ 45 BBLs 2% KCL |
| | 12:00 15:30 | 3.50 | WOR | 10 | | P | | DRILL OUT 7" CBP @ 9187', CIRC TBG CLEAN SWIVEL DWN & TAG SAND BRIDGE @ 9365' DRILL OUT SAND BRIDGE, SWIVEL DWN TO LINER TOP & CIRC TBG CLEAN, PUMP 25 BBLs BRINE DWN TBG, RIG DWN POWER SWIVEL |
| | 15:30 17:30 | 2.00 | WOR | 39 | | P | | POOH & LD 8 JTS 2-7/8" EUE L-80 TBG, TOOH & STAND BACK IN DERRICK W/ 176 JTS 2-7/8" EUE L-80 TBG, EOT @ 3530', INSTALL & CLOSE TIW VALVE, OPEN CSG TO FLOW BACK TANK ON 12/64 CHOKE |
| | 17:30 6:00 | 12.50 | FB | 19 | | P | | OPEN WELL TO FLOW BACK TANK, FLOWED 45 BBLs WATER BACK & DIED, SWI & RELEASE FLOW BACK CREW |
| 9/13/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/14/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY SDFW |
| 9/15/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREWTRAVEL HELD SAFETY MEETING ON WELL CONTROL. FILLED OUT AND REVEIUED JSA. |
| | 7:30 8:30 | 1.00 | WOR | 06 | | P | | 800 CSIP, 740 TSIP. BLEDDOWN WELL. PUMPED 125 BBBLs DOWN TBG NO CIRCULATION. OPENED WELL. |
| | 8:30 9:30 | 1.00 | WOR | 39 | | P | | TOOH W/ 108-JTS 2 7/8 N-80 EUE TBG ,BIT SUB AND BIT. |
| | 9:30 12:30 | 3.00 | WOR | 39 | | P | | RIH W/ 4 1/8 BIT, BIT SUB, 15-JTS 2 3/8 L-80 EUE TBG, X-OVER AND 274-JTS 2 7/8 L-80 EUE TBG. TAGGED REMAINS 7" CBP@ LT 9513 TBG TALLY, RU POWER SWIVEL. |
| | 12:30 18:30 | 6.00 | WOR | 10 | | P | | PUMPED 30 BBLs BROKE REVERSE CIRCULATION. PUMPING 4 BPM AND RETURNING 2.5 BPM. DRILLED OUT REMAINS OF CBP @ LT . CHASED CBP TO 5" CBP @ 9540. CIRCULATE TBG CLEAN, RD POWER SWIVEL. |
| | 18:30 6:03 | | WOR | 39 | | P | | TOOH W/ 22-JTS 2 7/8 L-80 EU TBG . EOT @ 8823' SECURED WELL CLOSED AND LOCKED PIPE RAMS. CLOSED CSG VALVES INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP. SDFN. |

9/16/2015

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity Code | Sub | OP Code | MD from (usft) | Operation |
|-----------|----------------|---------------|-------|---------------|-----|---------|----------------|--|
| | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA. |
| | 7:30 9:30 | 2.00 | WOR | 39 | | P | | RIH W/ 20-JTS 2 7/8 L-80 EUE TBG. TAGGED CBP @ 9540' CHANGED WASHINGTON HEAD. RU POWER SWIVEL. |
| | 9:30 13:00 | 3.50 | WOR | 10 | | P | | PUMPED 25 BBLs BRAKE REVERSE CIRC PUMPING 4 BPM AND RETURNING 3 BPM. DRILLED REMAINS OF 7" CBP AND SAND TO 9547'. CIRCULATED OUT BEARINGS FROM BIT. CIRCULATE TBG CLEAN. RDPOWER SWIVEL. |
| | 13:00 17:30 | 4.50 | WOR | 39 | | P | | TOOH W/ 278-JTS 2 7/8 L-80 EUE TBG, X-OVER, 15-JTS 2 3/8 N-80 EUE TBG, BIT SUB AND 4 1/8 BIT MISSING ALL THREE CONES. RIH W/ 4 1/8 INSERT MILL, 15-JTS 2 3/8 N-80 EUE TBG, X-OVER AND 210-JTS 2 7/8 L-80 EUE TBG, EOT @ 7301'. SECURED WELL CLOSED AND LOCKED PIPE RAMS. CLOSED CSG VALVES INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP. SDFN. |
| 9/17/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | CREW TRAVEL HELD SAFETY MEETING ON PUMPING PRESSURE.. FILLED OUT AND REVIEWED JSA. |
| | 7:30 9:30 | 2.00 | WOR | 39 | | P | | RIH W/ 68-JTS 2 7/8 L-80 EUE TBG. TAGGED @ 9547', RU POWER SWIVEL. |
| | 9:30 19:00 | 9.50 | WOR | 10 | | P | | PUMPED 25 BBLs ESTABLISHED REVERSE CIRCULATION. PUMPING 4 BPM AND RETURNING 2 3/4 BPM. DRILLED OUT CONE AND SAND TO CBP @ 9540' (9553' TBG TALLY). DRILLED OUT CBP . CIRCULATE TBG CLEAN. CONTINUED TO SWIVEL TBG IN TO CBP @ 9705' (9718' TBG TALLY) DRILLOUT CBP. PUSHED TO 9738'. CIRCULATE TBG CLEAN. RD POWER SWIVEL. |
| | 19:00 20:00 | 1.00 | WOR | 39 | | P | | TOOH W/ 28-JTS 2 7/8 L-80 EU TBG . EOT @ 8823' SECURED WELL CLOSED AND LOCKED PIPE RAMS. CLOSED CSG VALVES INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP. SDFN. |
| 9/18/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA |
| | 7:30 10:30 | 3.00 | WOR | 10 | | P | | SITP 0 PSI. SICP 250 PSI. OPEN CSG TO FLOW BACK TANK TIH & TAG FILL @ 9839'. PUMP 40 BBLs 2% KCL WTR TO BREAK CIRCULATION. CLEAN OUT TO 9896'. CIRCULATE WELL CLEAN |
| | 10:30 15:00 | 4.50 | WOR | 39 | | P | | TOOH W/ 208 JTS 2-7/8"EUE (LD 16 JTS). KILL WELL W/ 125 BBLs 10 PPG BRINE WTR. CONTINUE TOOH W/ 80 JTS 2-7/8"EUE TBG. LD 15 JTS 2-3/8"EUE TBG & MILL. TIH W/ NO/GO, 2 JTS 2-7/8"EUT TBG, 5-1/2" OPD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT & 92 JTS 2-7/8"EUE (KILL STRING). SDFN W/ PIPE RAMS CLOSED & LOCKED, TIW CLOSED & CAPPED & CSG VALVES CLOSED & CAPPED. |
| 9/19/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON BLEEDING PRESSURE OFF WELL. FILL OUT & REVIEW JSA |
| | 7:30 11:00 | 3.50 | WOR | 06 | | P | | SITP 70 PSI. SICP 400 PSI. CIRCULATE WELL W/ 276 BBLs 10PPG BRINE WTR. UNABLE TO KILL WELL. KILL TBG W/ 20 BBLs 10 PPG BRINE WTR |
| | 11:00 12:00 | 1.00 | WOR | 39 | | P | | TIH W/ 48 JTS 2-7/8"EUE TBG. EOT @ 4575'. |
| | 12:00 14:00 | 2.00 | WOR | 06 | | P | | CIRCULATE WELL DEAD W/ 200 BBLs 2% KCL WTR |
| | 14:00 18:00 | 4.00 | WOR | 39 | | P | | TOOH W/ 134 JTS 2-7/8"EUE TBG. MU 7" TAC & TIH W/ 274 JTS 2-7/8"EUE TBG. ATTEMPTS TO SET TAC FAILED. SDFN W/ PIPE RAMS CLOSED & LOCKED, TIW VALVE INSTALLED IN TBG & CAPPED & CSG VALVES CLOSED & CAPPED |
| 9/20/2015 | 6:00 7:30 | 1.50 | WOR | 28 | | P | | TRAVEL TO LOCATION. HOLD SAFETY MEETING ON KILLING WELL. FILL OUT & REVIEW JSA |
| | 7:30 10:00 | 2.50 | WOR | 06 | | P | | SITP 400 PSI. SICP 750 PSI. BLEED GAS OFF CSG & TBG. CIRCULATE WELL DEAD W/ 328 BBLs 10PPG BRINE WTR |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity Code | Sub | OP Code | MD from (usft) | Operation |
|-----------|----------------|---------------|---------|---------------|-----|---------|----------------|--|
| | 10:00 15:00 | 5.00 | WOR | 39 | | P | | ATTEMPT TO SET TAC. TAC WOULD NOT SET. TOOH 274 JTS 2-7/8"EUE TBG. CHANGE TAC. TIH W/ 274 JTS 2-7/8"EUE TBG. SET TAC @ 8949' IN 20K TENSION. SN @ 9086'. EOT @ 9188' |
| | 15:00 17:00 | 2.00 | WOR | 16 | | P | | ND BOP & FRAC VALVE. NU WELL HEAD @ FLOW LINES. RD RIG. SDFN |
| 9/21/2015 | 6:00 6:00 | 24.00 | WOR | 18 | | P | | NO ACTIVITY TODAY. SHUT DOWN FOR WEEKEND |
| 9/22/2015 | 6:00 7:30 | 1.50 | MIRU | 01 | | P | | HOLD SAFETY MEETING ON ROADING RIG. MOVE RIG TO LOCATION & RIGUP |
| | 7:30 9:00 | 1.50 | INARTLT | 15 | | P | | FLUSH TBG W/ 50 BBLS 2% KCL WTR. KILL TBG W/ 40 BBLS 10 PPG BRINE WTR |
| | 9:00 16:00 | 7.00 | INARTLT | 39 | | P | | RIH W/ 2-1/2" X 1-3/4" RHBC ROD PUMP, 2' STABILIZER ROD, ON/OFF TOOL, 1650' # 6 COROD & 6800' # 5 COROD. CUT & LD 2820' OF # 5 COROD .WELD COROD. CONTINUE TIH W/ 1269'# 6 COROD, 1048' #7 COROD & 1113' #8 COROD. SPACE OUT W/ 1" X 25' ROD, 3 6' X 1" PONY RODS, 2 4' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD. FILL TBG W/ 3 BBLS 2% KCL WTR. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD |
| | 16:00 17:30 | 1.50 | RDMO | 02 | | P | | RD COROD RIG. SLIDE UNIT. TURN WELL OVER TO LEASE OPERATOR |
| 5/23/2016 | 7:00 9:30 | 2.50 | MIRU | 42 | | P | | WAIT ON WEATHERFORD CO-ROD UNIT, ARRIVED APPROX TIME 9:30 +/- |
| | 9:30 10:30 | 1.00 | WOR | 28 | | P | | HELD SAFETY W/ CO-ROD CREW REVIEW JSA MIRU |
| | 10:30 16:00 | 5.50 | WOR | 39 | | P | | MIRU WEATHERFORD CO-ROD UNIT, LD 1-1/2" X 40" POLISH ROD, 2 - 4', 3 - 6' X 1" PONYS, 1,110' - 18/16, 1,048' - 17/16, 1,269' - 16/16, 3,980' - 15/16, 1, 650' - 16/16, ON/OFF TOOL (HAD GET OFF PUMP W/ ON OFF TOOL) |
| | 16:00 20:30 | 4.50 | WOR | 39 | | P | | MIRU PERFORATORS WIRELINE SERVICE, RIH W/ 4 SHOT TBG PUNCH, HAD TROUBLE GET DOWN THREW HARD WAX OIL, PUMP W/ ONE HOT OILER TELL 5PM BRANG SECOND TRUCK ON FELL THREW WENT DOWN TAG @ 9052' TOP PUMP, P/U PUNCH HOLES @ 9040' (SECOND JT ABOVE PUMP) START FLUSH W/ HOT OILER AS POOH W/ WIRELINE, |
| | 20:30 | | WOR | 39 | | P | | R/D WIRELINE TRUCK (LEFT CO-ROD RIG STANDING R/D IN AM!) INSTALL BULL PLUG TOP FLOW "T" W/ NEEDLE VALVE SEND TBG SALES & CSG |
| 5/26/2016 | 10:00 11:30 | 1.50 | MIRU | 28 | | P | | ROAD RIG FROM THE CHASEL 2-17A1 TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS |
| | 11:30 13:45 | 2.25 | MIRU | 01 | | P | | MIRU CSIP 100 PSI TSIP 0 PSI BLEED OFF WELL |
| | 13:45 15:10 | 1.42 | WOR | 16 | | P | | N/D WELL HEAD N/U BOPE AND TEST TO 4500 PSI GOOD TEST ATTEMPT TO RELEASE 7" TAC FAILED R/U POWER SWIVEL WORKING TO RELEASE...RELEASE TAC WILL MOVE UP HOLE HANGING UP WILL NOT GO DOWN |
| | 15:10 18:30 | 3.33 | WOR | 39 | | P | | TOH WORKING 7" TAC w 152-JTS OF 2-7/8" TBG TAC STILL DRAGGING EOT 4225' SECURE WELL INSTALL TIW VALVE w NIGHT CAP CLOSE 7" CSG VALVE OPEN TO SALES SDFN |
| 5/27/2016 | 6:00 7:00 | 1.00 | WOR | 28 | | P | | CREW TRAVLE TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS |
| | 7:00 12:30 | 5.50 | WOR | 39 | | P | | CSIP 150 PSI TSIP 100 PSI BLEED OFF WELL CONTINUE WORKING TAC OUT OF HOLE R/U POWER SWIVEL WORK TAC FREE FINISH TOH w 124-JTS OF 2-7/8" TBG L/D BHA |

2.1 Operation Summary (Continued)

| Date | Time Start-End | Duration (hr) | Phase | Activity Code | Sub | OP Code | MD from (usft) | Operation |
|-------------|----------------|---------------|---------|---------------|-----|---------|---|---|
| | 12:30 15:33 | 3.05 | WOR | 39 | | P | | CHANGE HANDLING TOOLS TALLY AND P/U 90-JTS OF 2-3/8" TBG CHANGE HANDLING TOOLS TIH w 204-JTS OF 2-7/8" TBG TO 8861' ABOVE PERFS SECURE WELL INSTALL TIW VALVE BARRIER 1 w NIGHT CAP BARRIER 2 CLOSE 7" CSG VALVE w NIGHT CAP OPEN TO SALES |
| | 15:33 17:00 | 1.45 | WOR | 10 | | P | | R/U PUMP AND LINES SDFN |
| 5/28/2016 | 6:00 7:00 | 1.00 | WOR | 28 | | P | | CREW TRAVLE TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS |
| | 7:00 8:30 | 1.50 | WOR | 39 | | P | | CSIP 250 PSI TSIP 150 PSI BLEED OFF WELL TIH w 32-JTS TAG UP AT 9895' R/U POWER SWIVEL |
| | 8:30 13:00 | 4.50 | WOR | 10 | | P | | ESTABLISH CIRC w 440 BBLS OF 2% KCL WATER C/O SAND DRILL 5" CBP AT 9935' C/O TO 12196' R/D POWER SWIVEL |
| | 13:00 18:00 | 5.00 | WOR | 39 | | P | | L/D 10-JTS OF 2-7/8" WORK STRING MIRU SCNNING EQUIPMENT SCAN w 127 JTS OF 2-7/8" TBG EOT 8049' SECURE WELL INSTALL TIW VALVE BARRIER 1 w NIGHT CAP BARRIER 2 CSG OPEN TO SALES |
| 6/1/2016 | 6:00 7:00 | 1.00 | WOR | 28 | | P | | CREW TRAVEL TO LOCATION HSM WRITE NAD REVIEW JSA TOPIC; RIG OPERATIONS |
| | 7:00 11:00 | 4.00 | WOR | 39 | | P | | CSIP 300 PSI TSIP 250 PSI BLEED OFF WELL CONTINUE SCANNING OUT w 149-JTS OF 2-7/8" TBG L/D TTL OF 13 BLUE 1 RED 262 YELLOW RDMO SCANNING EQUIPMENT |
| | 11:00 12:04 | 1.07 | WOR | 39 | | P | | L/D 95-JTS OF 2-3/8" TBG |
| | 12:04 14:40 | 2.60 | WOR | 39 | | P | | 5-3/4" SOLID NO-GO 2-JTS OF 2-7/8" TBG 5-1/2" PBGA 2' X 2-7/8" TBG SUB MECH PSN 40' TBG PUMP BARREL 4' X 2-7/8" TBG SUB 4-JTS OF 2-7/8" TBG 7" TAC 254-JTS OF 2-7/8" TBG |
| | 14:40 15:45 | 1.08 | WOR | 16 | | P | | SET 7" TAC w 6' TBG SUB AT 8316' w 25K TENTION LAND TBG ON HANGER N/D BOPE PULL 6' TBG SUB M/U B-FLANGE N/U WELL HEAD INSTALL 60' CAP STRING |
| 15:45 18:30 | 2.75 | RDMO | 02 | | P | | RACK OUT PUMP AND LINES RDMO CLEAN LOCATION | |
| 6/2/2016 | 6:00 8:00 | 2.00 | INARTLT | 28 | | P | | CREW TRAVEL HELD SAFETY ON RIGGING UP CO-ROD RIG. FILLED OUT AND REVIEWED JSA. |
| | 8:00 8:30 | 0.50 | MIRU | 01 | | P | | RD UP CO-ROD RIG. |
| | 8:30 10:00 | 1.50 | INARTLT | 06 | | P | | FLUSHED TBG W/ 50 BBLS KCL, DROPPED STANDING VALVE, PUMPED 30 BBLS KCL, 10 GALS CORROSION INHIBITOR, PUMPED 25 BBLS KCL. STANDING VALVE DIDN'T SEAT. |
| | 10:00 14:00 | 4.00 | INARTLT | 39 | | P | | RIH W/ 2 1/4" PLUNGER, 1 1/2" X 40 POLISH ROD, STABILZER SUB, ON-OFF TOOL, 1650' 16/16", 3980' 15/16" POOH AND CUT ~600' OF 15/16 OFF. LEFT 3380' 15/16" IN WELL. MADE WELD. CONTINUED RIH W/ 1269' 16/16", 1048' 17/16" AND 1000' 18/16" SPACED OUT CO-ROD W/ 1- 1" EL ROD, 2-6', 1-4' AND 1-2' X 1" SUBS. PU POLISH ROD AND SEATED STANDING VALVE |
| | 14:00 14:30 | 0.50 | INARTLT | 06 | | P | | FILLED TBG W/ 22 BBLS PRESSURE AND STROKE TEST @ 1000 PSI HELD. |
| | 14:30 16:00 | 1.50 | RDMO | 02 | | P | | RD CO-ROD RIG. SLIDE IN ROTA-FLEX, HANG OFF RODS. STROKE TEST PUMP TURNED WELL OVER TO LEASE OPERATOR. SDFN. |