API Well Number: 43013520820000

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 PENFIELD 2-8C4	
2. TYPE OF WORK DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○	**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 ○ INDIAN ○ STATE ○ FEE ●	**12. SURFACE OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ○ FEE ●
13. NAME OF SURFACE OWNER (if box 12 = 'fee') JIMMY C AND GWEN M PENFIELD	**14. SURFACE OWNER PHONE (if box 12 = 'fee')** 435-353-4365
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 11861 UINTA CANYON HWY, ROOSEVELT, UT 84066	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') **18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●	**19. SLANT** VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	900 FNL 700 FEL	NENE	8	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	900 FNL 700 FEL	NENE	8	3.0 S	4.0 W	U
At Total Depth	900 FNL 700 FEL	NENE	8	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
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3375	**26. PROPOSED DEPTH** MD: 12500 TVD: 12500
27. ELEVATION - GROUND LEVEL 5984	**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 LT&C	8.8	Class G	758	1.15	15.8
Surf	12.25	9.625	0 - 3200	40.0	N-80 LT&C	9.5	35/65 Poz	433	3.16	11.0
							Premium Lite High Strength	191	1.33	14.2
I1	8.75	7	0 - 9400	29.0	P-110 LT&C	10.6	Premium Lite High Strength	407	2.31	12.0
							Premium Lite High Strength	91	1.91	12.5
L1	6.125	4.5	9200 - 12500	13.5	P-110 LT&C	12.5	50/50 Poz	253	1.55	13.2

ATTACHMENTS

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

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

NAME Lisa Morales	**TITLE** Regulatory Analyst	**PHONE** 713 997-3587
SIGNATURE	**DATE** 03/07/2013	**EMAIL** lisa.morales@epenergy.com

API NUMBER ASSIGNED
43013520820000

APPROVAL

Permit Manager

RECEIVED: April 22, 2013

Penfield 2-8C4
Sec. 8, T3S, R4W
DUCHESNE COUNTY, UT

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River (GRRV)	4,202’
Green River (GRTN1)	5,312’
Mahogany Bench	6,302’
L. Green River	7,602’
Wasatch	9,432’
T.D. (Permit)	12,500’

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

Substance	Formation	Depth
	Green River (GRRV)	4,202’
	Green River (GRTN1)	5,312’
	Mahogany Bench	6,302’
Oil	L. Green River	7,602’
Oil	Wasatch	9,432’

3. **Pressure Control Equipment:** (Schematic Attached)

A 4.5” by 20.0” rotating head on structural pipe from surface to 600’. A 4.5” by 13 3/8” Smith Rotating Head and 5M Annular from 600’ to 3,200’ on Conductor. A 5M BOP stack, 5M Annular, and 5M kill lines and choke manifold used from 3,200’ to 9,400’. A 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 9,400’ to TD. 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 nippled 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 1500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low lest and 4,000 psi high test. The 10M BOP will be installed

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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 monitoring systems with gas monitor 600' – TD.
B) Mud logger with gas monitor – 3,200' to TD
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 de-silter, 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 will be based on: 25% excess over gauge hole in the liner section, 10% excess over gauge hole in the intermediate section, and 75% excess on the lead and 50% excess on the tail over gauge hole volume for the surface hole. Actual volumes pumped will be a minimum of the volumes stated above, however, actual hole size will be based on caliper logs in the liner and intermediate sections. Gauge hole will be used for the surface section.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.5
Intermediate	WBM	9.5 – 10.6
Production	WBM	10.6 – 12.5

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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: 3,200' - TD.
Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from base of surface casing to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 12,500' TD equals approximately 8,125 psi. This is calculated based on a 0.650 psi/foot gradient (12.5 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,375 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 9,400' = 7,520 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 5,375 psi.

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

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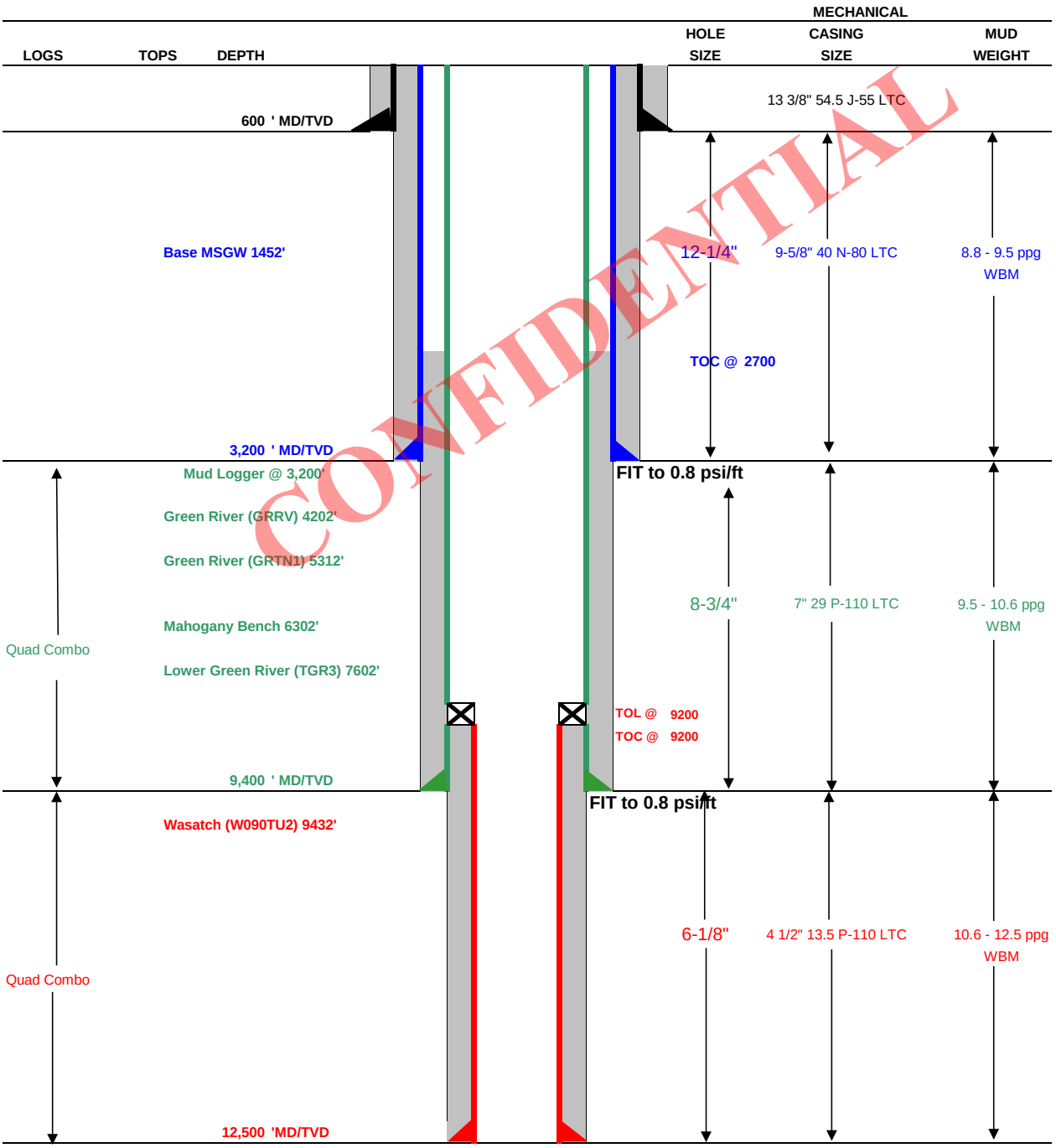
EP ENERGY

Drilling Schematic

Company Name:	EP ENERGY	**Date:**	March 7, 2013
Well Name:	Penfield 2-8C4	**TD:**	12,500
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**AFE #:**	
Surface Location:	Sec 8 T3S R4W 900' FNL 700' FEL	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	5987
Rig:	Precision 404	**Spud (est.):**	

BOPE Info: 5.0 x 13 3/8 rotating head from600' to 3,200' 11 5M BOP stack and 5M kill lines and choke manifold used from 3,200' to 9,400' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9,400' to TD



DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	600	54.5	J-55	LTC	2,730	1,140	1,399
SURFACE	9-5/8"	0	3200	40.00	N-80	LTC	3,090	5,750	820
INTERMEDIATE	7"	0	9400	29.00	P-110	LTC	11,220	8,530	797
PRODUCTION LINER	4 1/2"	9200	12500	13.50	P-110	LTC	12,410	10,680	338

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	758	100%	15.8 ppg	1.15
SURFACE	Lead	2,700	Boral Craig POZ 35%, Mountain G 65%, Bentonite Wyoming 8%, Silicate 5 lbm/sk, Pol-E Flake 0.125 lbm/sk, Kwik Seal 0.25 lb/sk	433	75%	11.0 ppg	3.16
	Tail	500	Halco-light premium+3 lb/sk Silicate+0.3% Econolite+1% Salt+0.25 lbm/sk Kol-Seal+0.24 lb/sk Kwik Seal+ HR-5	191	50%	14.2 ppg	1.33
INTERMEDIATE	Lead	5,700	Hallco-Light-Premium+4% Bentonite+0.4% Econolite+0.2% Halad322+3 lb/sk Silicalite Compacted+0.8% HR-5+ 0.125 lb/sk Poly-E-Flake	407	10%	12.0 ppg	2.31
	Tail	1,000	Hallco-Light-Premium+0.2% Econolite+ 0.3% Versaset+0.2% Halad322+0.8% HR-5+ 0.3% SuperCBL+ 0.125 lb/sk Poly-E-Flake	91	10%	12.5 ppg	1.91
PRODUCTION LINER		3,300	Halco- 50/50 Poz Premium Cement+20% SSA-1+0.3% Super CBL+ 0.3% Halad-344+0.3% Halad-413+ 0.2% SCR-100+ 0.125 lb/sk Poly-E-Flake + 3 lb/sk Silicat	253	25%	13.20	1.55

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): Joe Cawthorn 713-997-5929

MANAGER: Tommy Gaydos

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EP ENERGY E&P COMPANY, L.P.
PENFIELD 2-8C4
SECTION 8, 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 EASTERLY 1.90 MILES ON A GRAVEL ROAD TO THE BEGINNING OF THE ACCESS ROAD;

TURN RIGHT AND FOLLOW ROAD FLAGS SOUTHERLY 0.25 MILES TO THE PROPOSED WELL LOCATION;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 8.11 MILES.

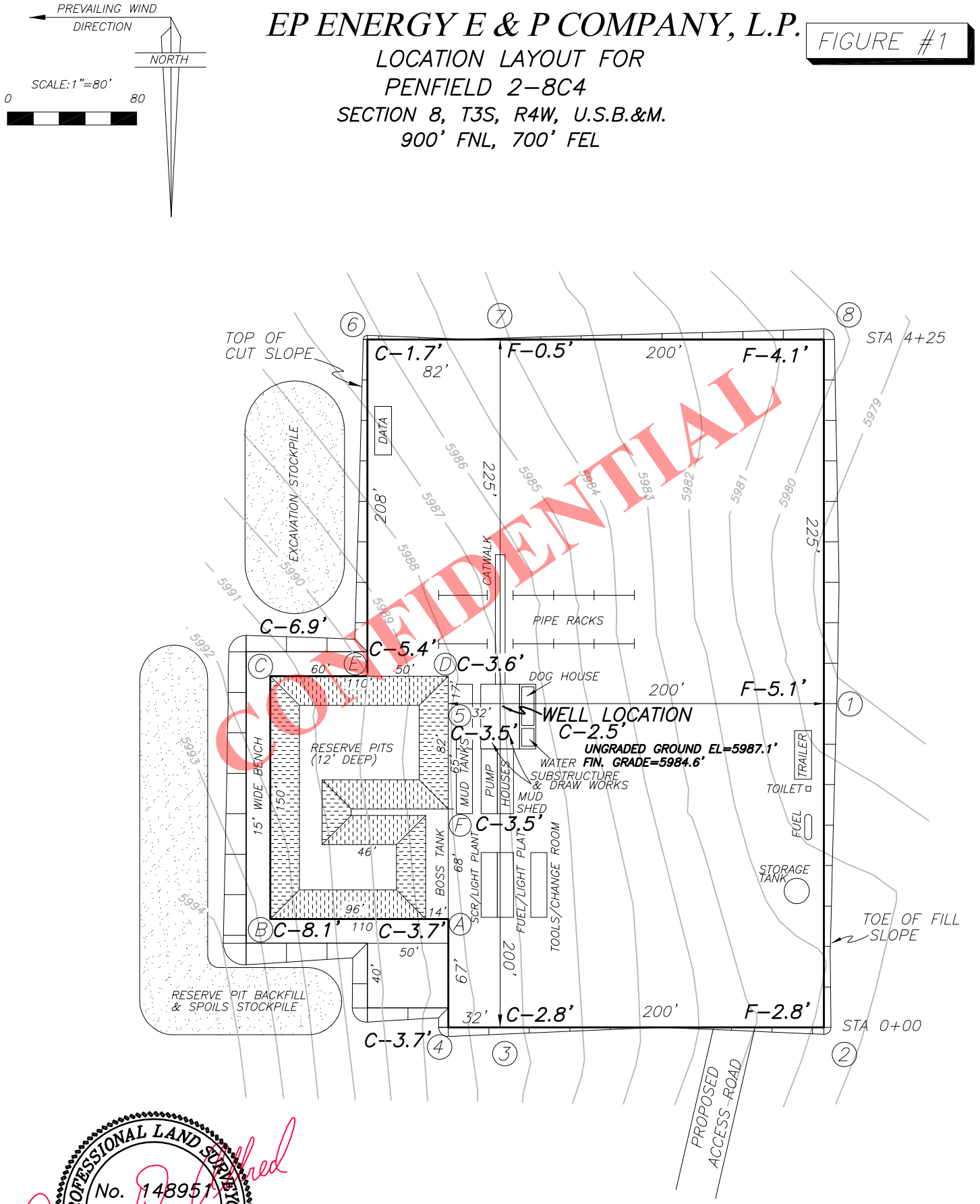
RECEIVED: March 07, 2013

API Well Number: 43013520820000

EP ENERGY E & P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
PENFIELD 2-8C4
SECTION 8, T3S, R4W, U.S.B.&M.
900' FNL, 700' FEL



PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
26 FEB '13
STATE OF UTAH

Jerry D. Allred

26 FEB 2013 REV
19 NOV 2012 01-128-340

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

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EP ENERGY E & P COMPANY, L.P.

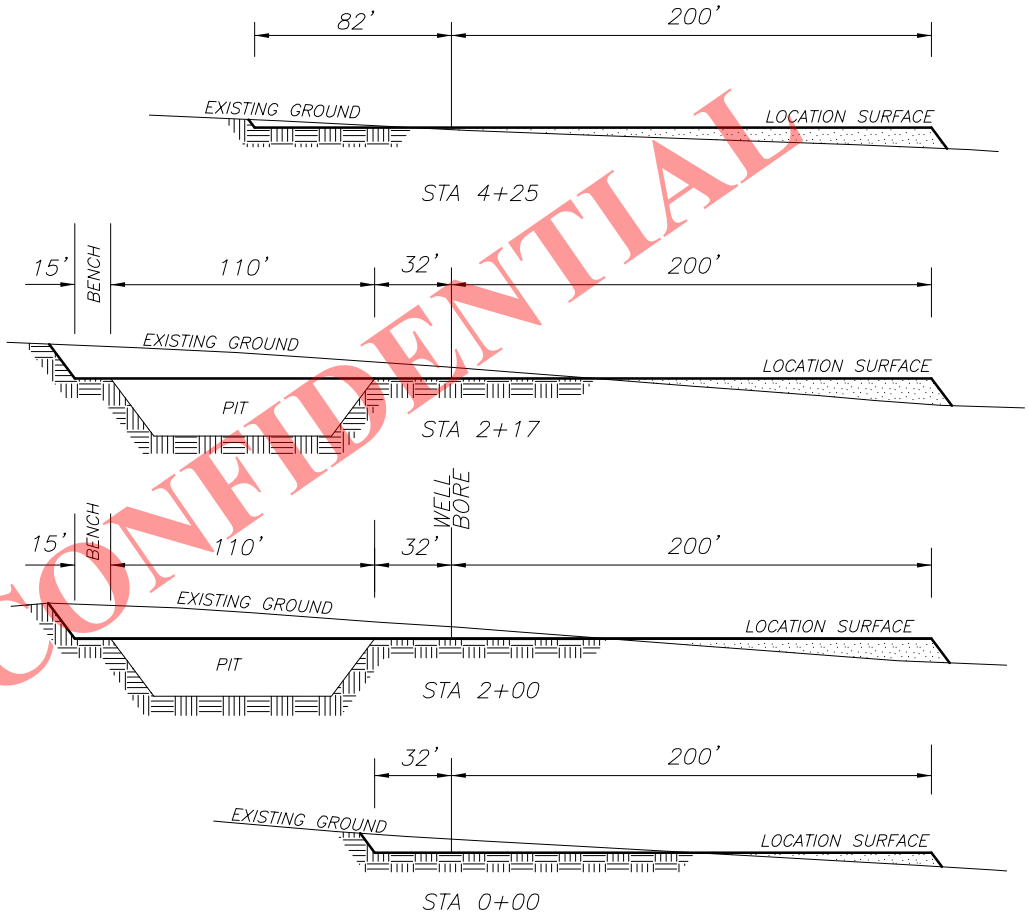
FIGURE #2

LOCATION LAYOUT FOR
PENFIELD 2-8C4
SECTION 8, T3S, R4W, U.S.B.&M.
900' FNL, 700' FEL

1"=40' X-SECTION SCALE

1"=80'

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



APPROXIMATE QUANTITIES

TOTAL CUT (INCLUDING PIT) = 14,930 CU. YDS.

PIT CUT	=	4572 CU. YDS.
TOPSOIL STRIPPING: (6")	=	2644 CU. YDS.
REMAINING LOCATION CUT	=	7714 CU. YDS

TOTAL FILL = 6676 CU. YDS.

LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=367 CU. YDS.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
26 FEB '13
STATE OF UTAH

Jerry D. Allred

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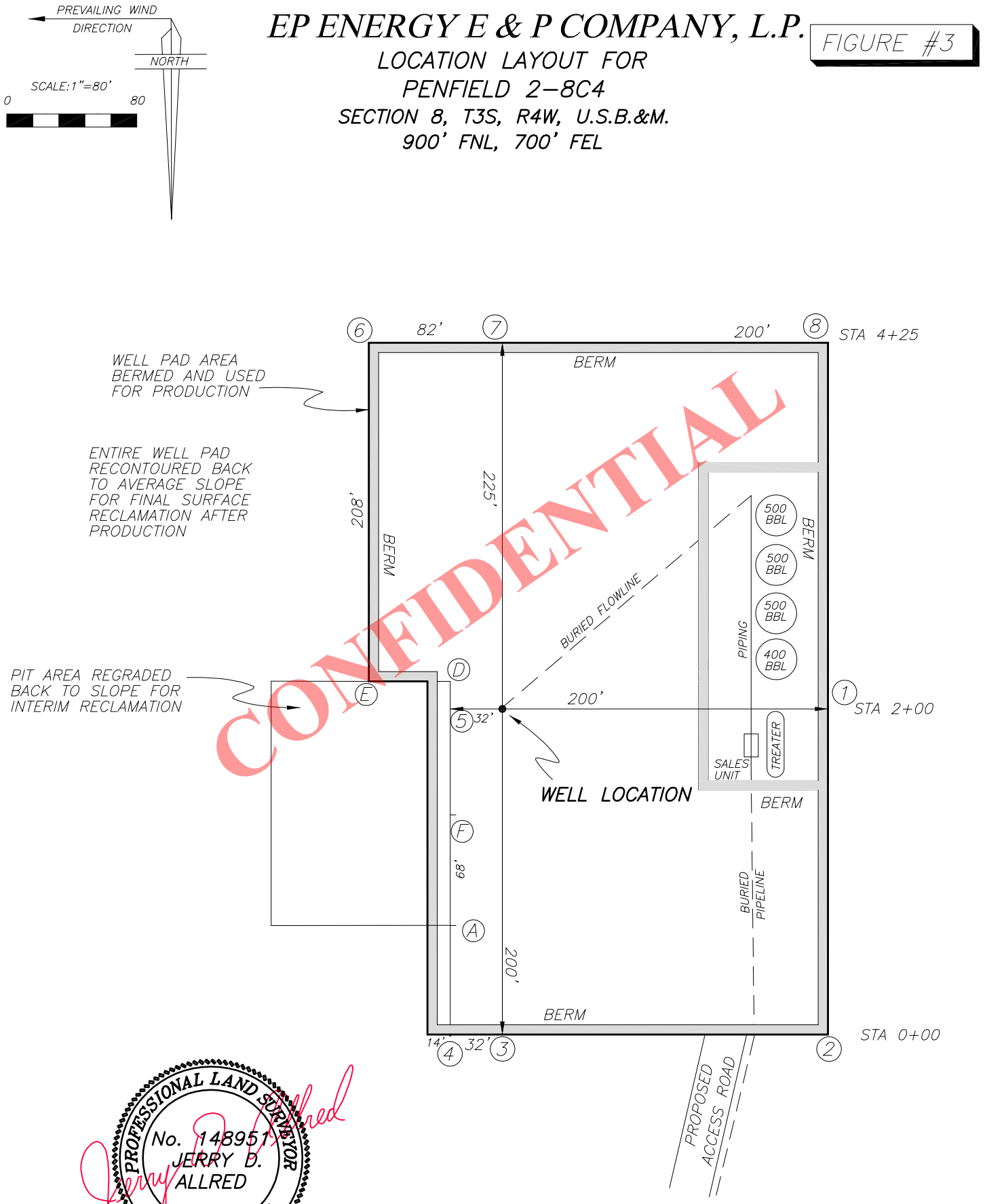
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

RECEIVED: March 07, 2013

EP ENERGY E & P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
PENFIELD 2-8C4
SECTION 8, T3S, R4W, U.S.B.&M.
900' FNL, 700' FEL



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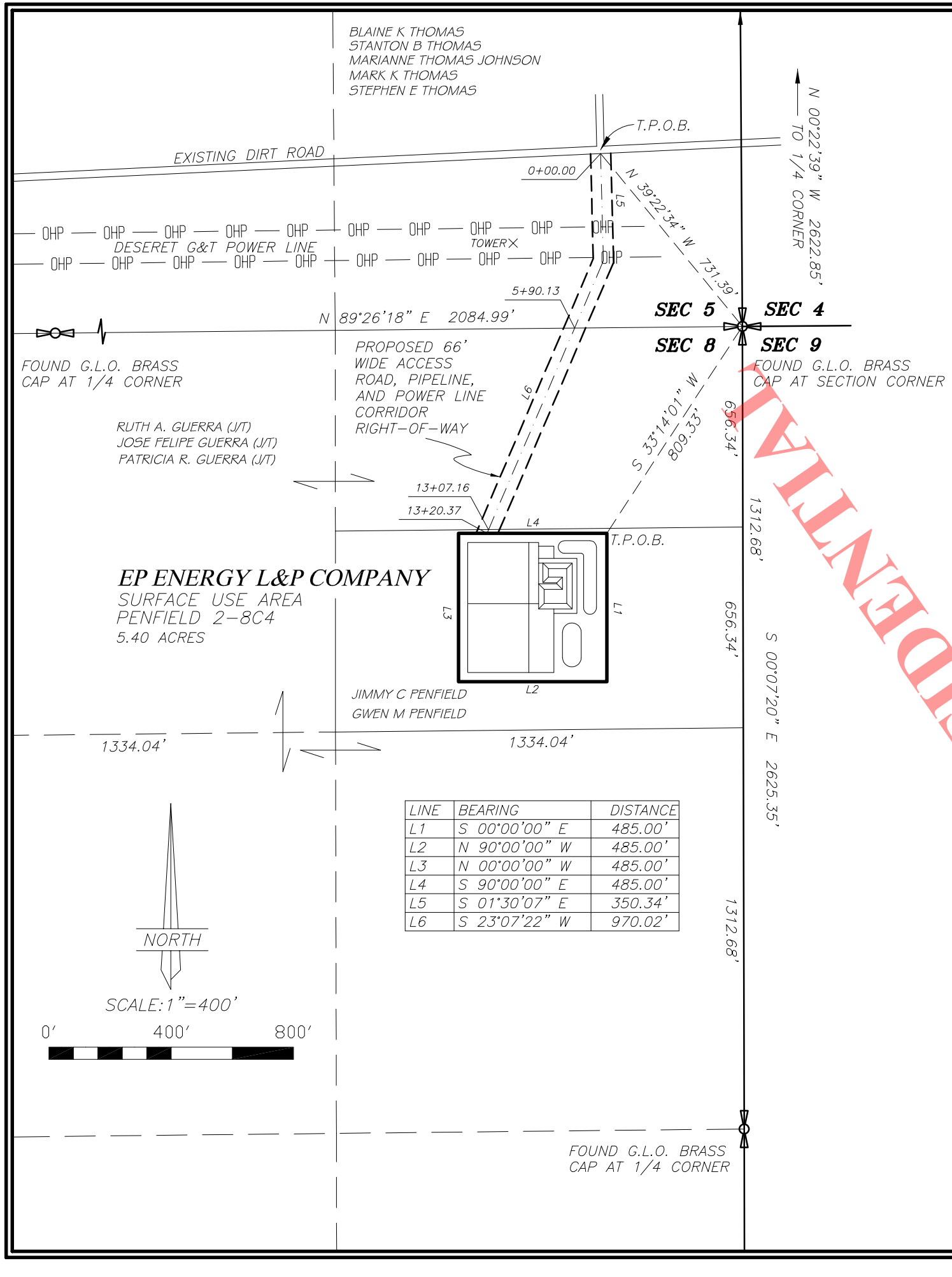

LINE	BEARING	DISTANCE
L1	S 00°00'00" E	485.00'
L2	N 90°00'00" W	485.00'
L3	N 00°00'00" W	485.00'
L4	S 90°00'00" E	485.00'
L5	S 01°30'07" E	350.34'
L6	S 23°07'22" W	970.02'

LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE CORRIDOR RIGHT-OF-WAY SURVEY FOR

EP ENERGY L&P COMPANY

PENFIELD 2-8C4

SE1/4 SE1/4 of SEC 5, & NE1/4 NE1/4 of SEC 8, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

Commencing at the Northeast Corner of Section 8, Township 3 South, Range 4 West of the Uintah Special Base and Meridian;
Thence South 33°14'01" West 809.33 feet to the TRUE POINT OF BEGINNING;
Thence South 00°00'00" East 485.00 feet;
Thence North 90°00'00" West 485.00 feet;
Thence North 00°00'00" West 485.00 feet;
Thence South 90°00'00" 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 Sections 5 and 8 of Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of which is further described as;
Commencing at the the Northeast Corner of said Section 8;
Thence North 39°22'34" West 731.39 feet to the TRUE POINT OF BEGINNING, said point being on the South line of an existing road;
Thence South 01°30'07" East 350.34 feet;
Thence South 23°07'22" West 970.02 feet to the North line of the EP Energy L&P Company Penfield 2-8C4 well location boundary. Said right-of-way being 1320.36 feet in length, with the sidelines being shortened or elongated to intersect said use boundary and existing road 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.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
26 FEB '13
STATE OF UTAH

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

REV 26 FEB 2013
19 NOV 2012 01-128-340

JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
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(435) 738-5352

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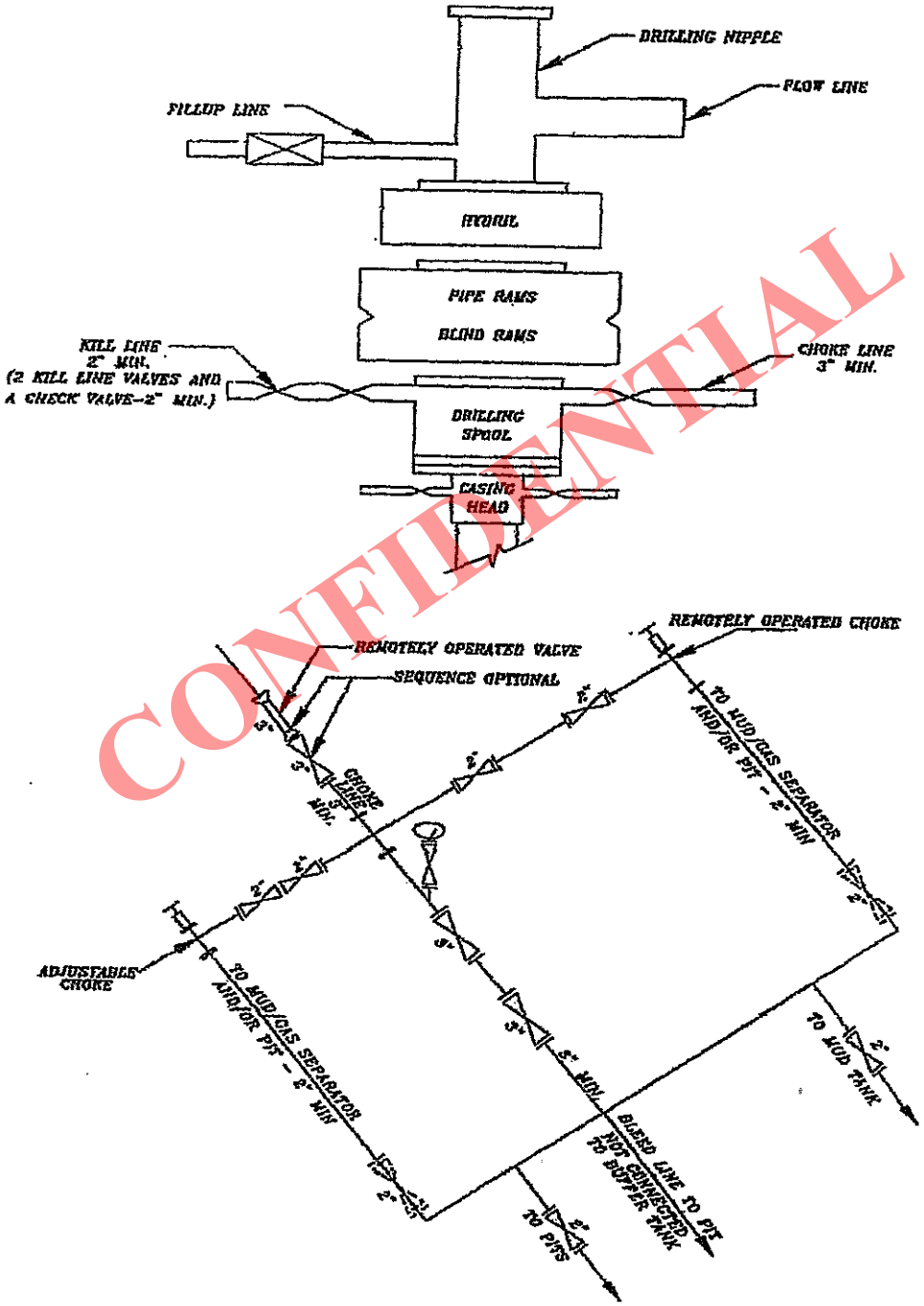
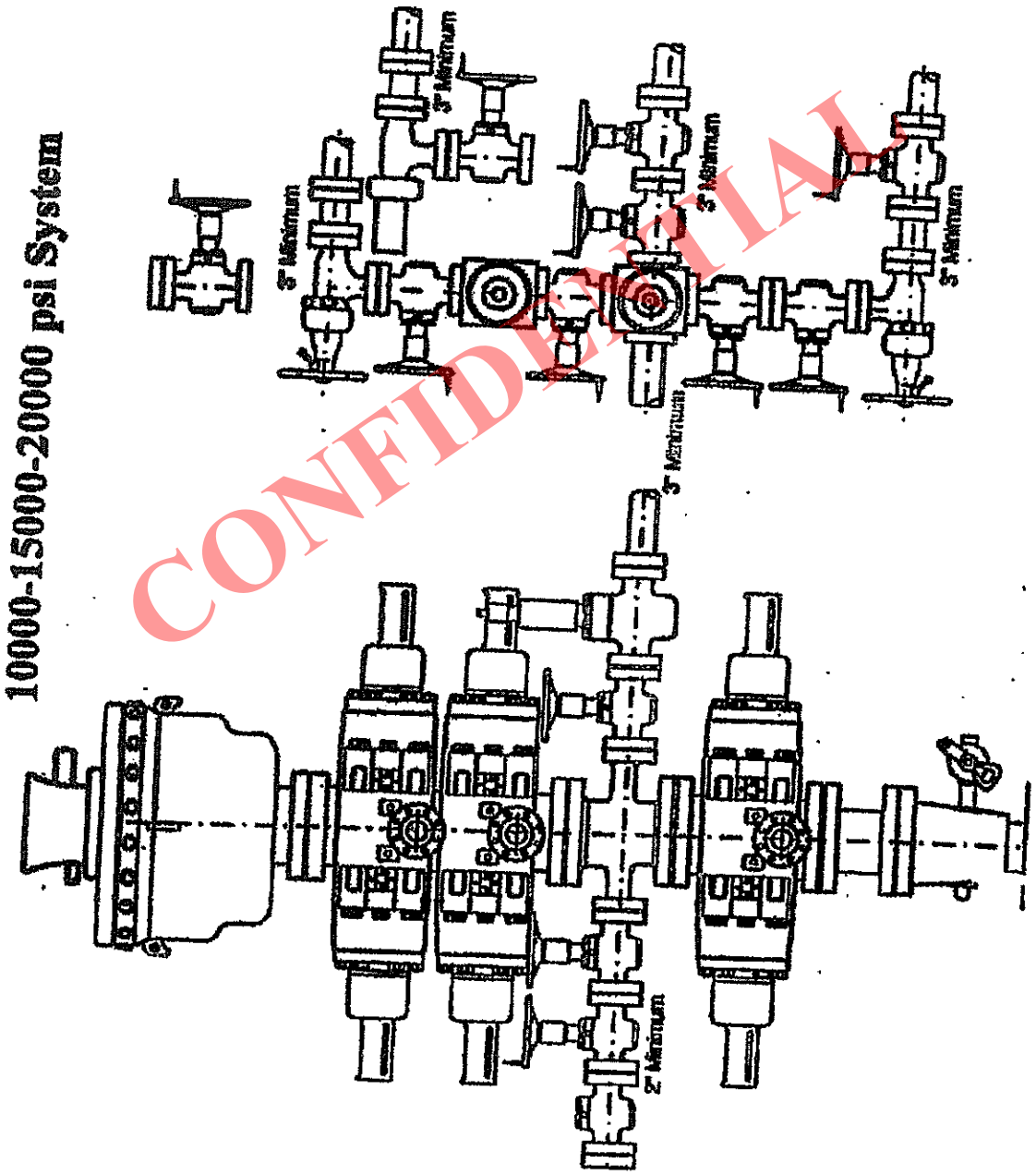
5M BOP STACK and CHOKE MANIFOLD SYSTEM



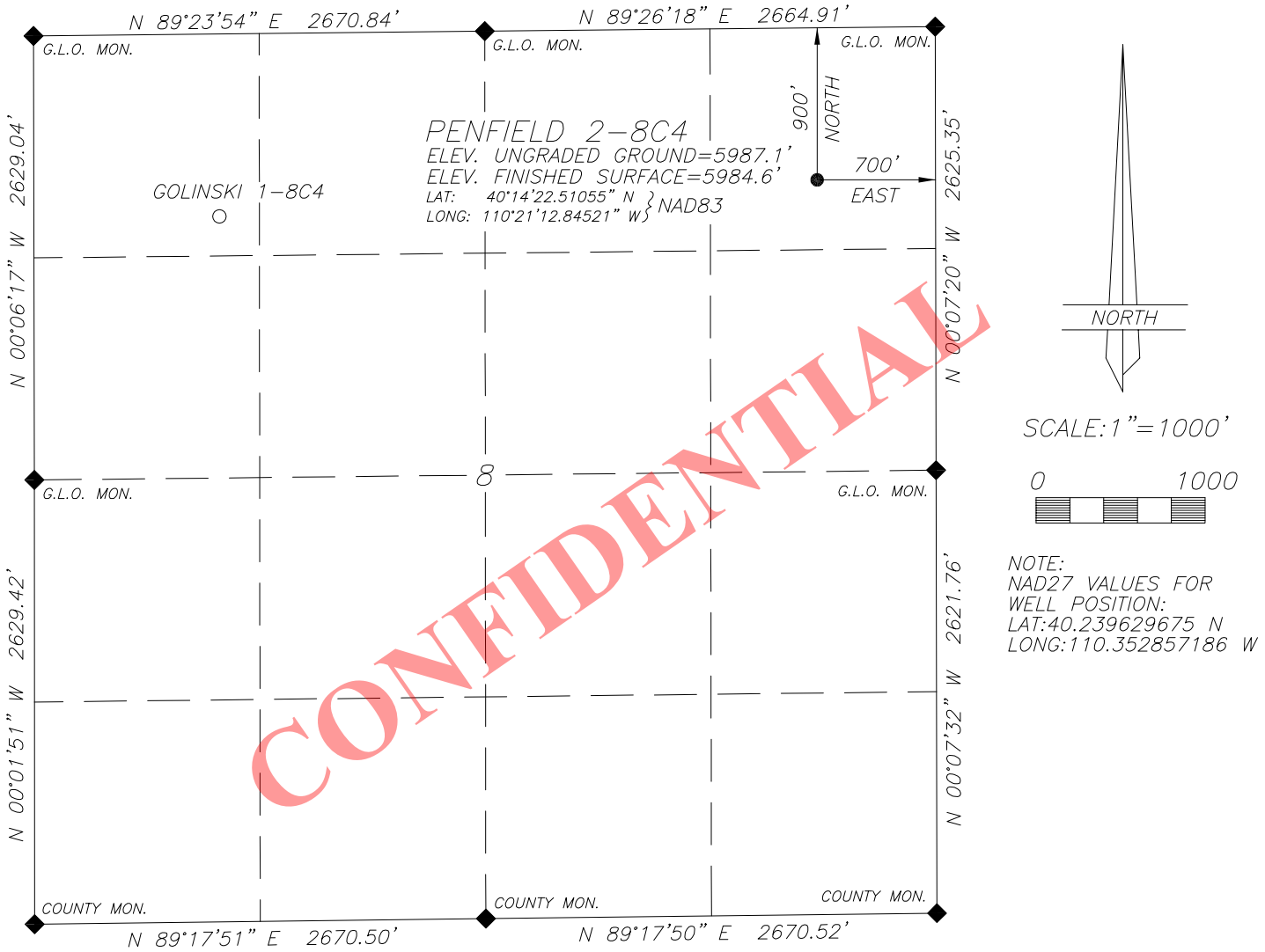


EP ENERGY E & P COMPANY, L.P.

WELL LOCATION

PENFIELD 2-8C4

LOCATED IN THE NE¼ OF THE NE¼ OF SECTION 8, T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



NOTE:
NAD27 VALUES FOR WELL POSITION:
LAT:40.239629675 N
LONG:110.352857186 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

26 FEB 2013 REV
19 NOV 2012 01-128-340

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.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
26 FEB 13
STATE OF UTAH

Jerry D. Allred

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

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
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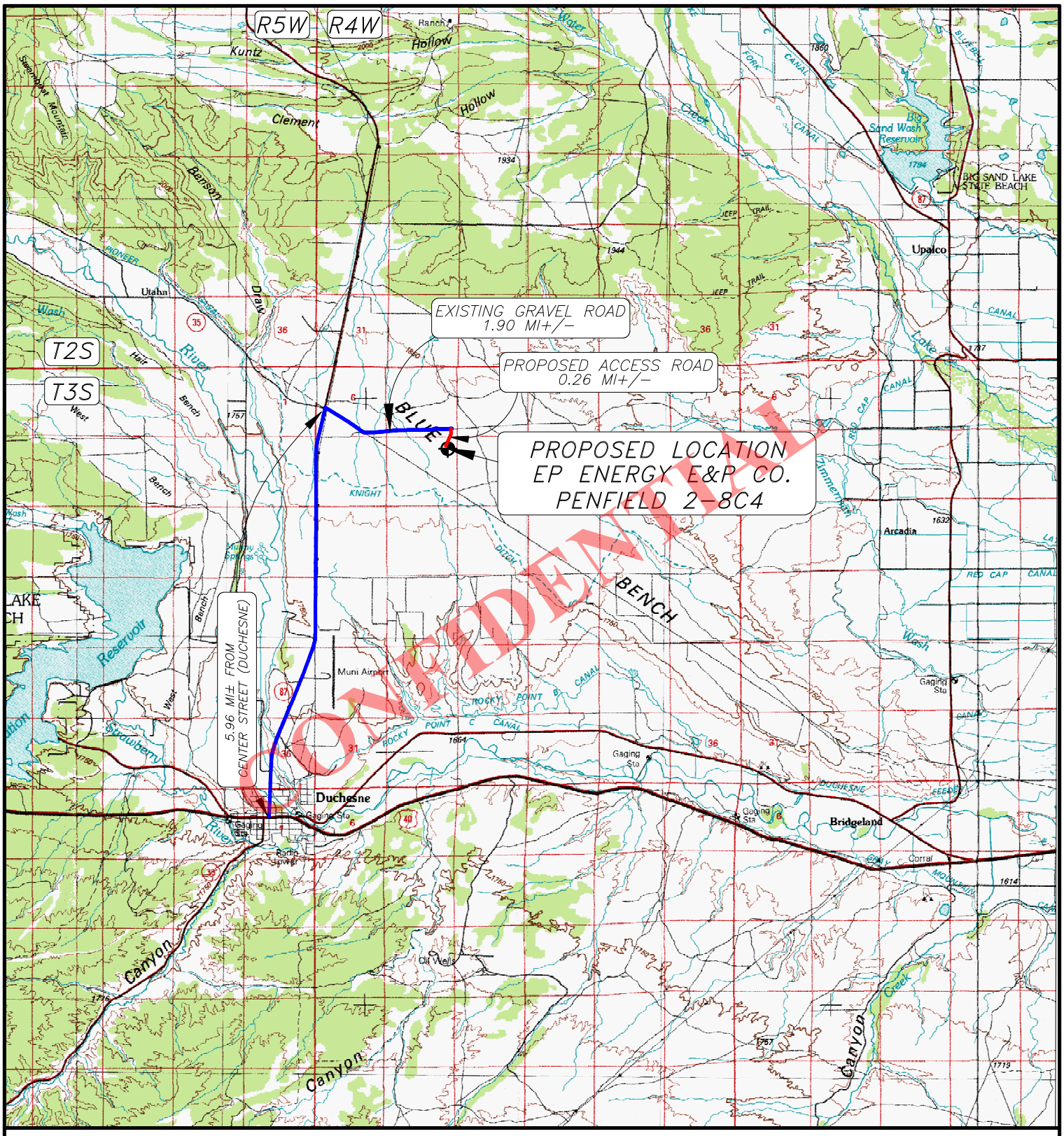

LEGEND:

PROPOSED WELL LOCATION

NORTH

EP ENERGY E & P COMPANY, L.P.

PENFIELD 2-8C4

SECTION 8, T3S, R4W, U.S.B.&M.

900' FNL 700' FEL

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TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'

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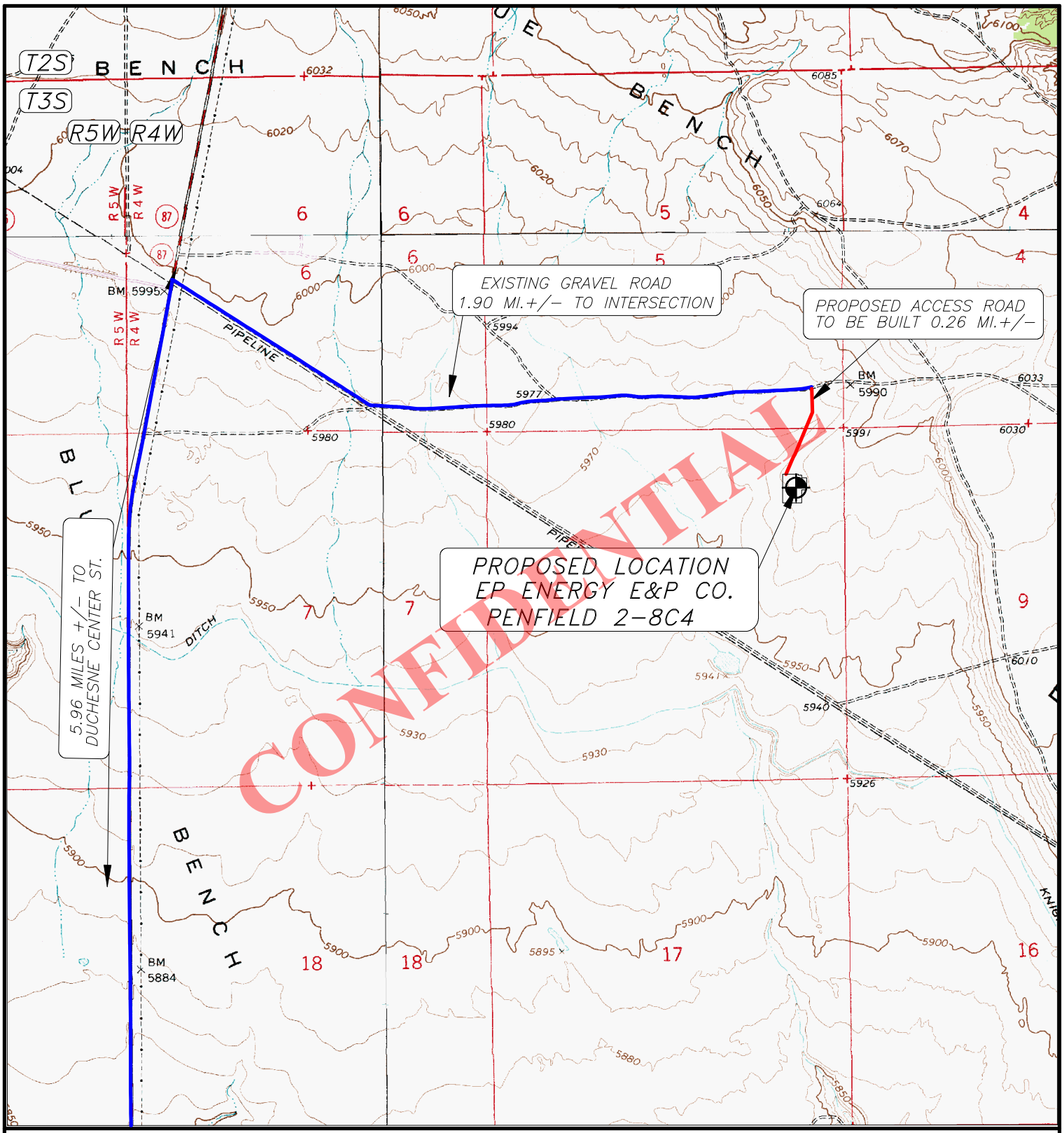


LEGEND:

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

01-128-340 REV

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

NORTH

EP ENERGY E & P COMPANY, L.P.

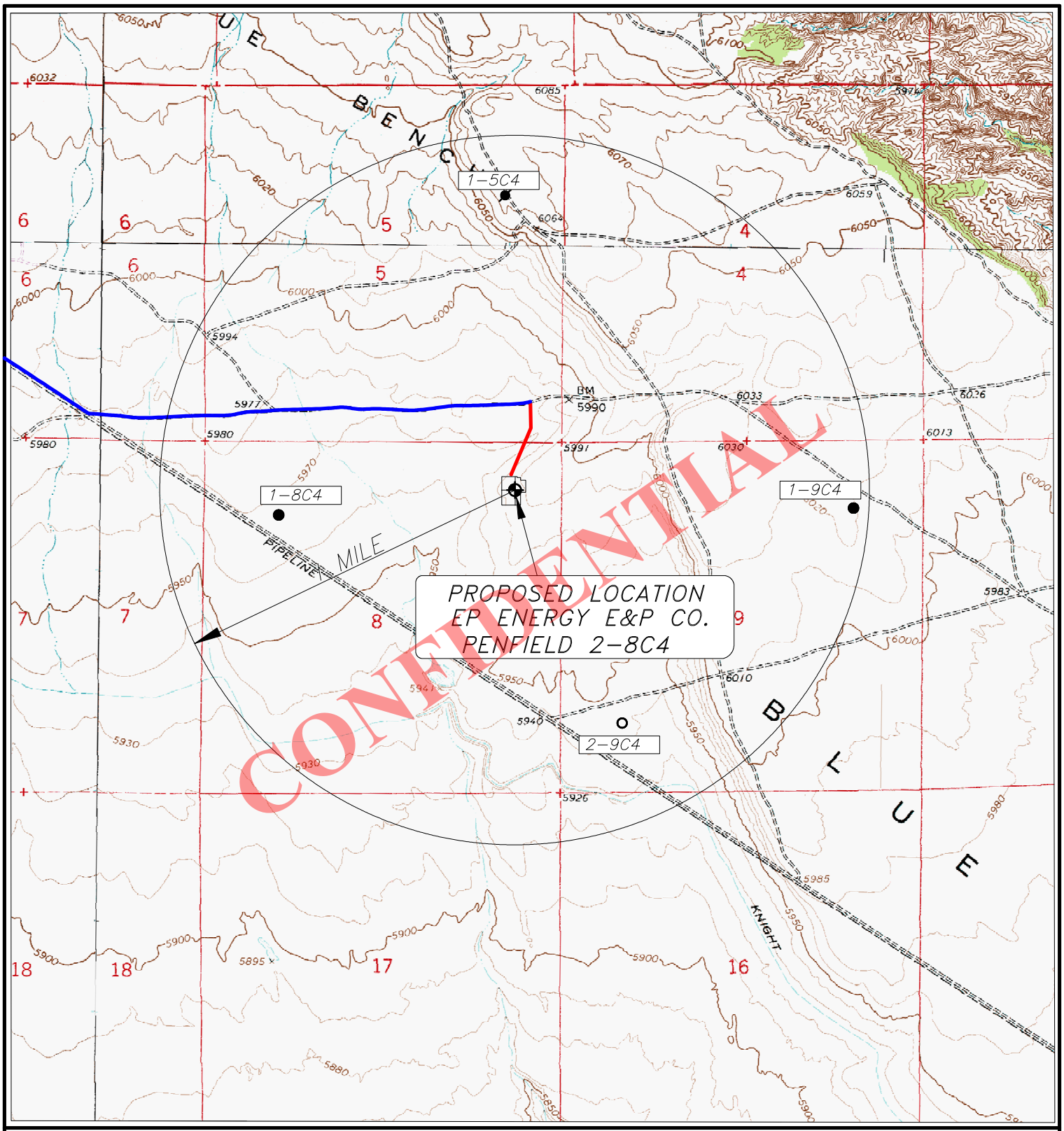
PENFIELD 2-8C4
SECTION 8, T3S, R4W, U.S.B.&M.
900' FNL 700' FEL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
26 FEB 2013

RECEIVED: March 07, 2013

API Well Number: 43013520820000



LEGEND:

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

01-128-340 REV

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

NORTH

EP ENERGY E & P COMPANY, L.P.

PENFIELD 2-8C4
SECTION 8, T3S, R4W, U.S.B.&M.
900' FNL 700' FEL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'
26 FEB 2013

RECEIVED: March 07, 2013

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE AGREEMENT

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 Penfield 2-8C4 well (the "Well") to be located in the NE/4 NE/4 of Section 8, Township 3 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location isJimmy C. Penfield and Gwen M. Penfield, husband and wife, as joint tenants with full rights of survivorship, whose address is 11861 Uinta Canyon Hwy., Roosevelt, Utah, 84066 (the "Surface Owner"). The Surface Owner's telephone number is (435) 353-4365.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated March 4, 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

ACKNOWLEDGMENT

STATE OF TEXAS §
§
CITY AND COUNTY OF HARRIS §

Before me, a Notary Public, in and for this state, on this 6th day of March, 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.

NOTARY PUBLIC

My Commission Expires:

GINGER M CEARLEY
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
AUG. 2, 2014

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 .26 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 .26 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 place 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.

RECEIVED: March 07, 2013

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:**

Jimmy C. Penfield and Gwen M. Penfield
11861 Uinta Canyon Hwy
Roosevelt, Utah 84066
435-353-4365

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:**

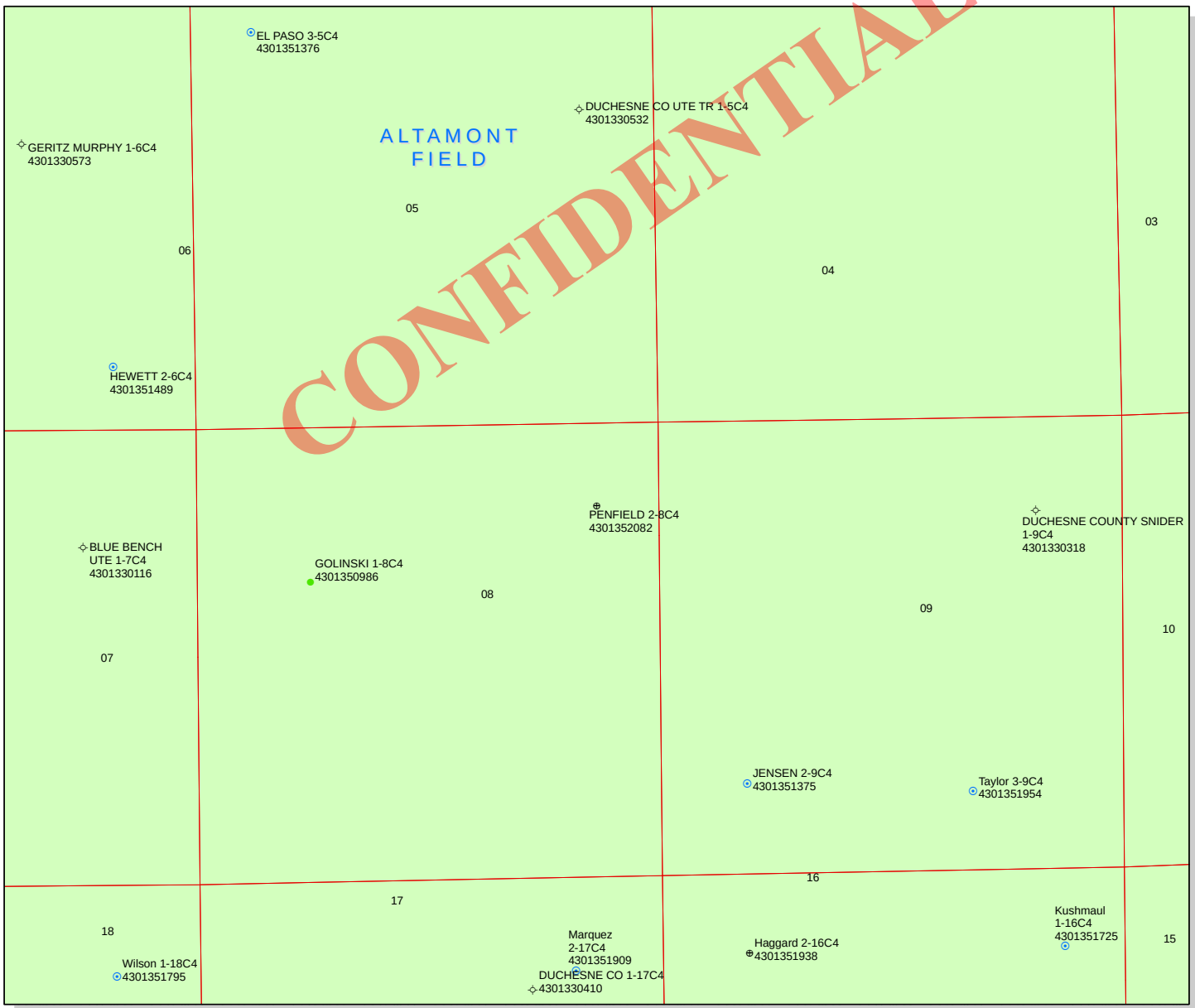
Construction and Reclamation:
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD
EP Energy E&P Company, L.P.
Lisa Morales
1001 Louisiana, Rm 2628C
Houston, Texas 77002
713-997-3587 – Office

Drilling
EP Energy E&P Company, L.P.
Joe Cawthorn – Drilling Engineer
1001 Louisiana, Rm 2523B
Houston, Texas 77002
713-997-5929 – office
832-465-2882 – Cell

RECEIVED: March 07, 2013

API Well Number: 43013520820000



API Number: 4301352082

Well Name: PENFIELD 2-8C4

Township T03.0S Range R04.0W Section 08

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 GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

1,500 750 0 1,500 Feet

1:14,255

RECEIVED: March 19, 2013

API Well Number: 43013520820000

BOPE REVIEW EP ENERGY E&P COMPANY, L.P. PENFIELD 2-8C4 43013520820000

Well Name	EP ENERGY E&P COMPANY, L.P. PENFIELD 2-8C4 43013520820000			
String	Cond	Surf	I1	L1
Casing Size(")	13.375	9.625	7.000	4.500
Setting Depth (TVD)	600	3200	9400	12500
Previous Shoe Setting Depth (TVD)	0	600	3200	9400
Max Mud Weight (ppg)	8.8	9.5	10.6	12.5
BOPE Proposed (psi)	1000	5000	5000	10000
Casing Internal Yield (psi)	2730	5750	11220	12410
Operators Max Anticipated Pressure (psi)	8125			12.5

Calculations	Cond String	13.375	"	
Max BHP (psi)	.052*Setting Depth*MW=	275		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	203	YES	4.5" by 20.0" rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	143	YES	OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	143	NO	OK
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=	1581		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1197	YES	4.5" by 13 3/8" Smith rotating head &
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	877	YES	5M annular
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1009	NO	OK
Required Casing/BOPE Test Pressure=		3200	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=	5181		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4053	YES	5M BOP stack, 5M Annular, 5M kill lines,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3113	YES	choke manifold
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3817	NO	OK
Required Casing/BOPE Test Pressure=		7854	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		3200	psi	*Assumes 1psi/ft frac gradient

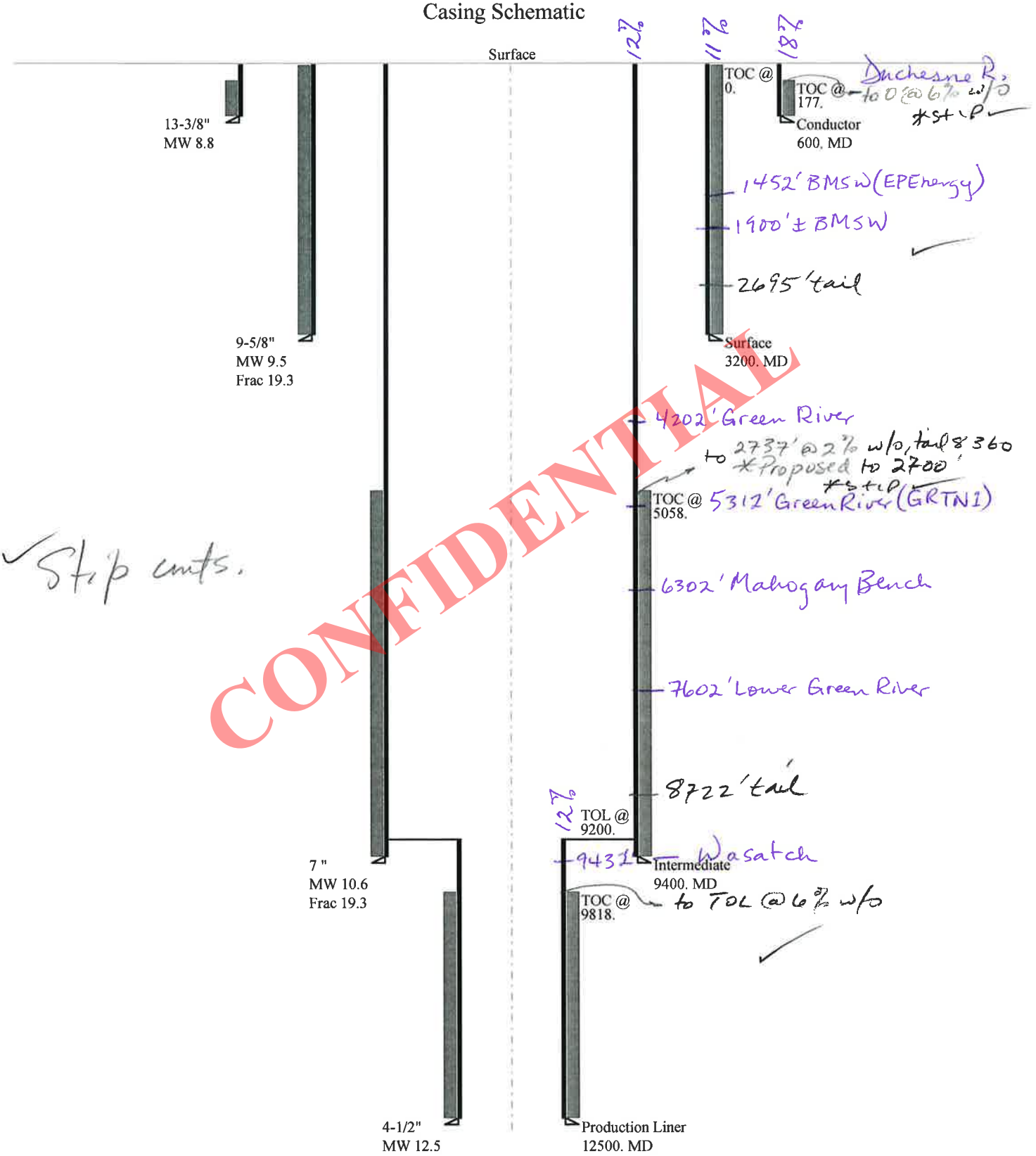
Calculations	L1 String	4.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	8125		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6625	YES	10M BOE w/rotating head, 5M annular, blind
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5375	YES	rams & mud cross
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7443	YES	OK
Required Casing/BOPE Test Pressure=		8687	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		9400	psi	*Assumes 1psi/ft frac gradient

RECEIVED: April 18, 2013

API Well Number: 43013520820000

43013520820000 Penfield 2-8C4

Casing Schematic



Well name:	**43013520820000 Penfield 2-8C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Conductor
Project ID:	43-013-52082
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 202 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 274 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: 522 ft

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: 177 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	7445

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	274	1130	4.120	274	2730	9.95	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: April 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 600 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	**43013520820000 Penfield 2-8C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Surface
Project ID:	43-013-52082
Location:	DUCHESNE COUNTY

Design parameters:

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

Burst
Max anticipated surface pressure: 2,496 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,200 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

Tension is based on air weight.
Neutral point: 2,748 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 119 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 9,400 ft
Next mud weight: 10.600 ppg
Next setting BHP: 5,176 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,200 ft
Injection pressure: 3,200 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	3200	9.625	40.00	N-80	LT&C	3200	3200	8.75	40718

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	1579	3090	1.957	3200	5750	1.80	128	737	5.76 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: April 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3200 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.

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

API Well Number: 43013520820000

Well name:	**43013520820000 Penfield 2-8C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Intermediate
Project ID:	43-013-52082
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 10.600 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 5,367 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,435 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: 7,892 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 206 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 5,058 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 12,500 ft
Next mud weight: 12.500 ppg
Next setting BHP: 8,117 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 9,400 ft
Injection pressure: 9,400 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	9400	7	29.00	P-110	LT&C	9400	9400	6.059	106149

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	5176	8530	1.648	7435	11220	1.51	272.6	797	2.92 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: April 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9400 ft, a mud weight of 10.6 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

API Well Number: 43013520820000

Well name:	**43013520820000 Penfield 2-8C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Production Liner
Project ID:	43-013-52082
Location:	DUCHESNE COUNTY

Design parameters:

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

Burst
Max anticipated surface pressure: 5,367 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,117 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: 11,891 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 249 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 9,818 ft

Liner top: 9,200 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	3300	4.5	13.50	P-110	LT&C	12500	12500	3.795	18491

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	8117	10680	1.316	8117	12410	1.53	44.5	338	7.59 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: April 16,2013
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 12500 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.

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

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

Operator EP ENERGY E&P COMPANY, L.P.
Well Name PENFIELD 2-8C4
API Number 43013520820000 **APD No** 7774 **Field/Unit** ALTAMONT
Location: 1/4,1/4 NENE **Sec** 8 **Tw** 3.0S **Rng** 4.0W 900 FNL 700 FEL
GPS Coord (UTM) **Surface Owner** JIMMY C AND GWEN M PENFIELD

Participants

Jim & Gwen Penfield (surface owners); Wayne Garner (E&P Energy); Dennis Ingram (DOGM)

Regional/Local Setting & Topography

The proposed Penfield 2-8C4 is found north of Duchesne Utah on Blue Bench and east of U. S. Highway 87 in relatively flat, undeveloped lands. To find location, a person should drive north on Highway 87 from the intersection of U.S. Highway 40 and Highway 87 in Duchesne for 5.96 miles, then turn east and travel southeasterly on gravel or dirt road for another 1.90 miles. Several miles in any direction, the surface in this area is void of trees with sagebrush or desert vegetation being the only plant life found. Further to the north, the country begins to rise through broken sandstone ledges into the next bench mesa where pinion juniper is found. Several miles east of this well site the topography breaks off into dry, canyons that have sparse to no vegetation. The southern range also breaks off into several south draining canyons that have sparse cover, cut several hundred feet in depth and drain into the Duchesne River Drainage, which is located approximately four miles to the south of well site. Looking west the surface doesn't change much for 2.5 miles, then drops off into the Duchesne River into farmland and flood plain.

Surface Use Plan

Current Surface Use
Grazing
Recreational

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.21	**Width** 342 **Length** 455	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Dense sagebrush covering, bunch grass, prickly pear cactus; mule deer, coyote, fox, rabbit, historical sage grouse habitat, prairie dog, eagle and hawk, smaller mammals and birds native to region

Soil Type and Characteristics

Fine-grained, reddish, blow sand with traces of clay.

RECEIVED: April 22, 2013

API Well Number: 43013520820000

Erosion Issues Y

After stripping away vegetation

Sedimentation Issues Y

Erosion issues on any slops after vegetation is removed

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Location

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental 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 on the east side of location in cut, measuring 150' long by 110' wide by 12' deep, having prevailing winds from the west

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?**

Other Observations / Comments

Surface slopes to the west, densely covered sagebrush surface, existing east/west transmission or power line south of county road, access road will cross under power line.

Dennis Ingram	4/3/2013
Evaluator	**Date / Time**

RECEIVED: April 22, 2013

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7774	43013520820000	LOCKED	OW	P	No

Operator	EP ENERGY E&P COMPANY, L.P.	**Surface Owner-APD**	JIMMY C AND GWEN M PENFIELD
Well Name	PENFIELD 2-8C4	**Unit**	
Field	ALTAMONT	**Type of Work**	DRILL
Location	NENE 8 3S 4W U 900 FNL 700 FEL GPS Coord (UTM) 554979E 4454534N		

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 3,200 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 1,900 feet. A search of Division of Water Rights records indicates that there are 7 water wells within a 10,000 foot radius of the center of Section 8. Wells range between 150 and 460 feet in depth and are used for irrigation, stock watering, domestic and oilfield 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**

4/11/2013 — **Date / Time**

Surface Statement of Basis

A presite was scheduled and performed on April 3, 2013 to take input and address issues regarding the permitting, construction and drilling of the Penfield 2-8C4 well. Jim & Gwen Penfield were shown as landowners of record and were therefore invited to the presite. The Penfield's did attend, and have entered into a surface use agreement with E&P Energy.

The surface slopes westerly across the width of the proposed location, having 8.7 feet of cut on the high side and 7.3 feet of fill at the southwestern corner. The surface has dense, sagebrush covering but is void of any drainage issues. A reserve pit is proposed along the northeastern side of the location and will need a 20 mil synthetic liner installed to prevent drilling fluids from leaching into the sandy soils below. Surface soil stockpile will be stored off the southeastern side of location between corners 5 and 6. The location shall also be bermed to prevent fluids from leaving the well site.

Dennis Ingram — **Onsite Evaluator**

4/3/2013 — **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 east side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: April 22, 2013

RECEIVED: April 22, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/7/2013
API NO. ASSIGNED: 43013520820000
WELL NAME: PENFIELD 2-8C4
OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850)
PHONE NUMBER: 713 997-3587
CONTACT: Lisa Morales

PROPOSED LOCATION: NENE 08 030S 040W
Permit Tech Review: ☑
SURFACE: 0900 FNL 0700 FEL
Engineering Review: ☑
BOTTOM: 0900 FNL 0700 FEL
Geology Review: ☑
COUNTY: DUCHESNE
LATITUDE: 40.23944
LONGITUDE: -110.35365
UTM SURF EASTINGS: 554979.00
NORTHINGS: 4454534.00
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 - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald

RECEIVED: April 22, 2013

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: PENFIELD 2-8C4
API Well Number: 43013520820000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 4/22/2013

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

Cement volumes for the13 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 2700' MD as indicated in the submitted drilling plan.

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:

For John Rogers
Associate Director, Oil & Gas

24 Hr Notice of Spud on the Penfield 1-15C4 – Wrong Well Name penfield 2-8C4

RLANDRIG008 <RLANDRIG008@epenergy.com> Wed, May 8, 2013 at 1:31 PM
To: Alexis Huefner <alexishuefner@utah.gov>, Dennis Ingram <dennisingram@utah.gov>, Carol Daniels <caroldaniels@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

May 08, 2013

Ms. Daniels,

This is notification that Pro Petro Rig 16 commenced operations on the E P Energy, Penfield ~~1-15C4~~ 2-8C4 at 09:00 pm May 7, 2013. Continuous operations will be maintained until a drilling depth of 600' has been reached. At that point a string of 13-3/8" 54.5# J-55 STC casing will be run and cemented back to surface.

Well: Penfield 1-15C4

API: ~~43013520080~~000 43 013 52082

County: Duchesne, Utah 3S 4W 8

Best Regards,

Steven Murpjy

E P Energy

Rig Site Supervisor

Cell: 435-823-1725

RLANDRIG008 <RLANDRIG008@epenergy.com> Thu, May 9, 2013 at 7:14 AM
To: RLANDRIG008 <RLANDRIG008@epenergy.com>, Alexis Huefner <alexishuefner@utah.gov>, Dennis Ingram <dennisingram@utah.gov>, Carol Daniels <caroldaniels@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "MacAfee, Bradley D"

<Brad.MacAfee@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

Correction to Well Name below is the Penfield 2-8C4 instead of the Penfield 1-15C4!

API # 43-013-52082
NENE S-08 T03S R04W
SPUD: MAY 7, 2013

CONFIDENTIAL

Thank You!

Steven Murphy

Rig Site Supervisor

EP Energy

C: 435-823-1725

From: RLANDRIG008
Sent: Wednesday, May 08, 2013 1:32 PM
To: Alexis Huefner; Dennis Ingram; Carol Daniels; Evans, Perry (Contractor); Gaydos, Tommy L; MacAfee, Bradley D; Gomez, Maria S; Morales, Lisa
Subject: 24 Hr Notice of Spud on the Penfield 1-15C4

[Quoted text hidden]

NENE 5-08 T03S R04W

CONFIDENTIAL

24 Hr Notice of Run'g and Cmt'g of 13 3/8" Surface Conductor on the Penfield 2-8C4

RLANDRIG008 <RLANDRIG008@epenergy.com> Fri, May 10, 2013 at 6:12 PM
To: Alexis Huefner <alexishuefner@utah.gov>, Dennis Ingram <dennisingram@utah.gov>, Carol Daniels <caroldaniels@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>

May 10, 2013

This is 24 notice for the running and cementing of 13 3/8" 54.5# J-55 STC at a GL of 600' for the following well.

Well: Penfield 2-8C4

API: ~~43013520080000~~ 4301352082

County: Duchesne, Utah

Rig: Pro-Petro Rig #10 pre-set rig

Best Regards,

Steven Murphy

E P Energy

Rig Site Supervisor

Cell: 435-823-1725

RECEIVED
MAY 10 2013
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

S-8
NENE T03S R04W 4301352082

24 Notice for Run'g, Cmt'g 9 5/8" Surface Casing., Testing BOPE, 9 5/8" Csg on the Penfield 2-8C4

RLANDRIG008 <RLANDRIG008@epenergy.com> Sun, May 19, 2013 at 5:22 AM
To: Alexis Huefner <alexishuefner@utah.gov>, Dennis Ingram <dennisingram@utah.gov>, Carol Daniels <caroldaniels@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Sergieo.Mares@epenergy.com" <Sergieo.Mares@epenergy.com>

May 19, 2013

Subject: 24 Notice of Running, Cementing of 9 5/8" Surface Conductor at 2,500' KB. Testing of 11" 10 M BOPE and 9 5/8" Casing.

Well: Penfield 2-8C4

API # 43013520820000

County: Duchesne

Rig: Precision Drilling Rig #404

THANKS,

Steve Murphey

Jame H Wilson

RECEIVED
MAY 19 2013
DIV. OF OIL, GAS & MINING

RLANDRIG008@ELPASO.COM

RIG PHONE 435-823-1726

HAND HELD 435-823-1725

PRECISION DRILLING RIG 404

CONFIDENTIAL

NENE Sec 08 T03S R04W 43013520820

24 Hr notice of testing Surface Diverter and Surface Conductor Csg. on Well: Penfield 2-8C4

RLANDRIG008 <RLANDRIG008@epenergy.com> Fri, May 17, 2013 at 9:36 AM
To: Alexis Huefner <alexishuefner@utah.gov>, Dennis Ingram <dennisingram@utah.gov>, Carol Daniels <caroldaniels@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

May 17, 2013

Subject: 24 Notice of testing of Surface Diverter 13 5/8" 3 M and test of 13 3/8" 54.5# J-55 STC Surface Conductor Casing at 602' GL.

Well: Penfield 2-8C4

API # 43013520820000

County: Duchesne

Rig:Precision Drilling Rig #404

Steven Murphy

Rig Site Supervisor

EP Energy

C: 435-823-1725

NENE 5-8S T03S R04W

CONFIDENTIAL

24 Hour Notice of runninng and cement of 5" Production String on the Penfield 2-8C4

RLANDRIG008 <RLANDRIG008@epenergy.com> Wed, Jun 12, 2013 at 3:13 AM
To: Alexis Huefner <alexishuefner@utah.gov>, Dennis Ingram <dennisingram@utah.gov>, Carol Daniels <caroldaniels@utah.gov>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "Mares, Sergio I" <Sergio.Mares@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Morales, Lisa" <Lisa.Morales@epenergy.com>

June 11, 2013

Subject: 24 Notice of Running, Cementing of 5" 18# HCP-110 ST-L Production Liner..

Well: Penfield 2-8C4

API # 43013520820000

County: Duchesne

Rig: Precision Drilling Rig #404

Steve Murphey

Jame H Wilson

RECEIVED
JUN 13 2013
DIV. OF OIL, GAS & MINING

RLANDRIG008@ELPASO.COM

RIG PHONE 435-823-1726

HAND HELD 435-823-1725

PRECISION DRILLING RIG 404

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
PENFIELD 2-8C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013520820000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 08 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		
✓ NOTICE OF INTENT Approximate date work will start: 6/24/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Initial Completion

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

Please see attached.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 20, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE		**DATE**
N/A		6/20/2013

RECEIVED: Jun. 20, 2013

Penfield 2-8C4
Initial Completion
43013520820000

The following precautions will be taken until the RCA for the Conover is completed:

1. Review torque turning and running of the 7" and 5" liner of anomalies.

2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.

3. Test all lubricators, valves and BOP's to working pressure.

4. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.

5. Monitor the surface casing during frac:

    a. Lay a flowline to the flow back tank and keep the valve open.

    b. This line will remain in place until a wire line set retrievable packer is in place isolating the 5" casing from the 7" after the frac.

6. 2 7/8” tubing will be run to isolate the 7” casing during the flow back of the well.

7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

Stage 1: RU WL unit with 10K lubricator and test to 10000 psi with glycol. Perforations from ~11751’ – 12006’ with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~140000# Powerprop 20/40.

Stage 2: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~11715’. Tag CBP. Perforations from ~11317’ – 11698’ with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~130000# Powerprop 20/40.

Stage 3: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~11205’. Tag CBP. Perforations from ~10919’ – 11194’ with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~155000# Powerprop 20/40.

RECEIVED: Jun. 20, 2013

Stage 4: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~10902'. Tag CBP. Perforations from ~10624' – 10895' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~155000# Powerprop 20/40.

Stage 5: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~10600'. Tag CBP. Perforations from ~10239' – 10587' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~155000# Powerprop 20/40.

Stage 6: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~10210'. Tag CBP. Perforations from ~9980' – 10203' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~140000# Powerprop 20/40.

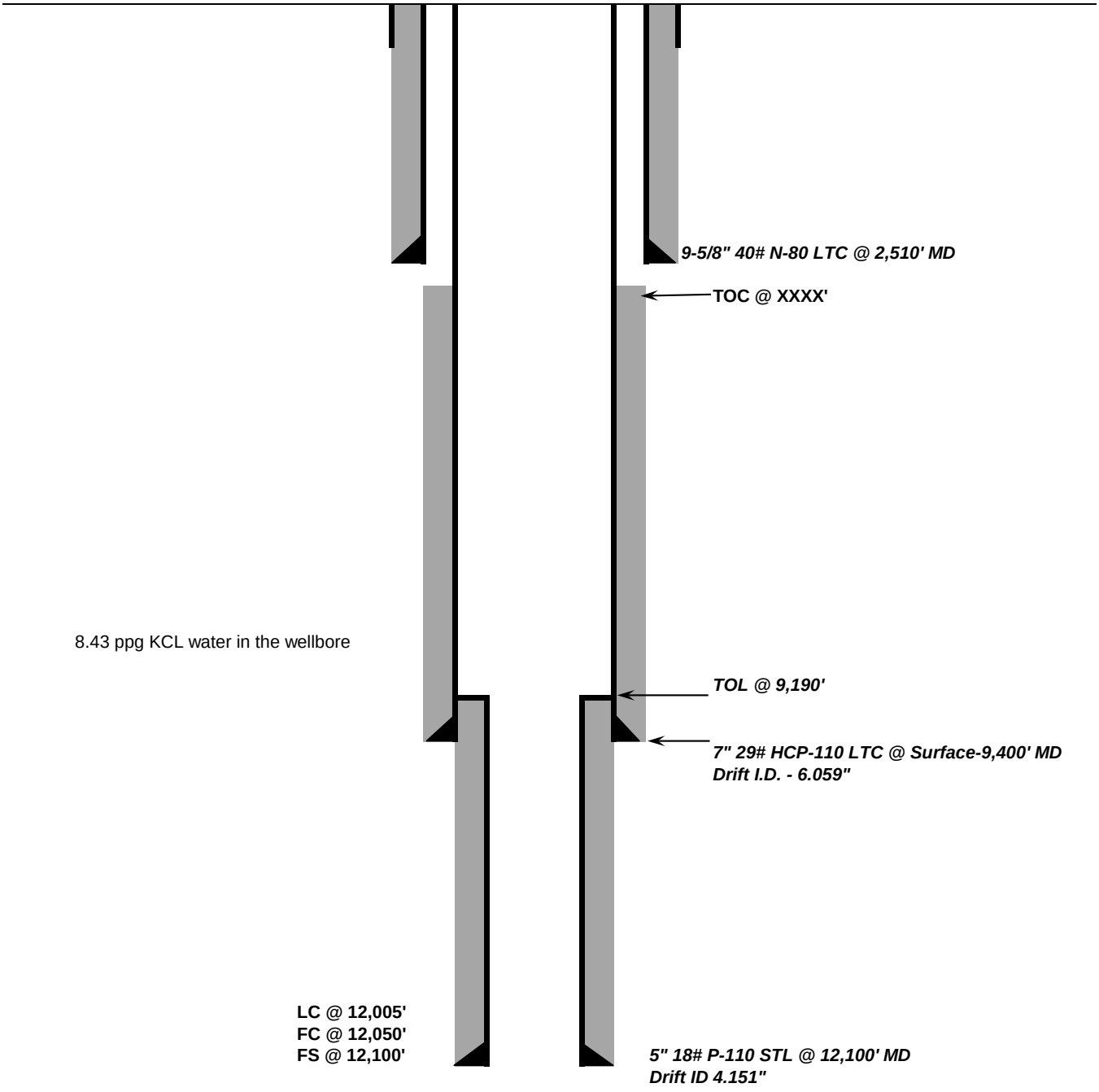
Stage 7: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~9955'. Tag CBP. Perforations from ~9740' – 9946' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~140000# TLC 20/40.

RECEIVED: Jun. 20, 2013

EP ENERGY

Current Wellbore Schematic

Company Name:	*EP Energy*	**Last Updated:**	***6/17/2013***
Well Name:	***Penfield 2-8C4***	**By:**	*Peter Schmeltz*
Field, County, State:	*Altamont - Bluebell, Duchesne, Utah*	**TD:**	*12,100'*
Surface Location:	*Lat: 40˚ 14' 22.51055" N Long: 110˚ 21' 12.84521" W*	**BHL:**	
Producing Zone(s):	*Wasatch*	**Elevation:**	

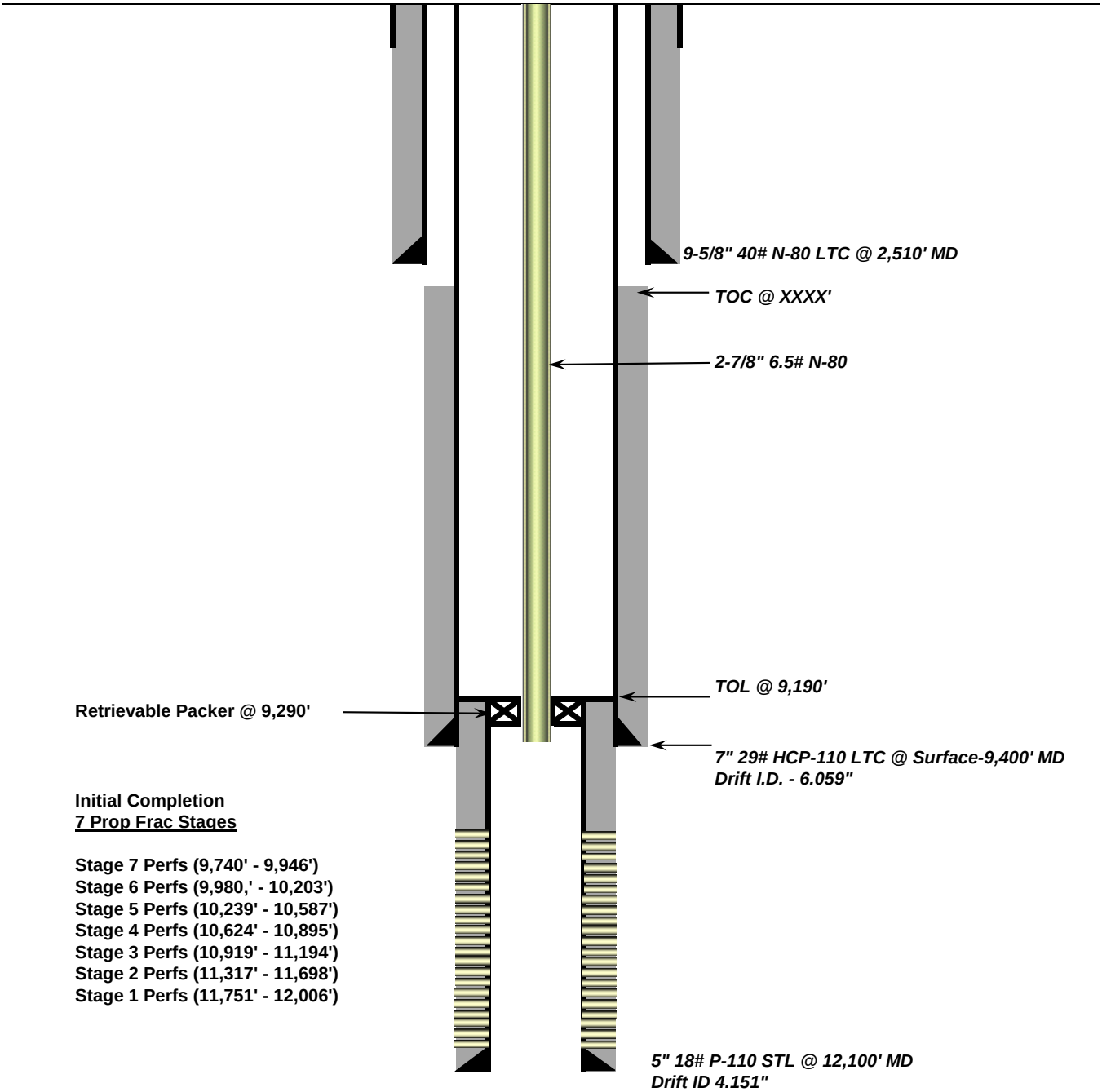


RECEIVED: Jun. 20, 2013

EP ENERGY

Initial Completion Wellbore Schematic

Company Name:	*EP Energy*	**Last Updated:**	***6/18/2013***
Well Name:	***Penfield 2-8C4***	**By:**	*Peter Schmeltz*
Field, County, State:	*Altamont - Bluebell, Duchesne, Utah*	**TD:**	*12,100'*
Surface Location:	*Lat: 40˚ 14' 22.51055" N Long: 110˚ 21' 12.84521" W*	**BHL:**	
Producing Zone(s):	*Wasatch*	**Elevation:**	



RECEIVED: Jun. 20, 2013

API Well Number: 43013520820000

BHL 747' FNL, 514' FEL

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

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Penfield 2-8C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352082

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 900 FNL & 700 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 900 FNL & 700 FEL
AT TOTAL DEPTH: 900 FNL & 700 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 8 3S 4W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 5/12/2013

15. DATE T.D. REACHED: 6/9/2013

16. DATE COMPLETED: 6/30/2013 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6068

18. TOTAL DEPTH: MD 12,100 TVD 12,095

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	603		G 675	776	0	
12.25	9.625 N80	40	0	2,510		Prem 607	1,415	0	
8.75	7" HD110	29	0	9,387		Prem 585	1,313	2000	
6.125	5 P110	18	9,190	12,100		50/50 185	272	9190	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	9,170	9071						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	9,530	12,006	9,526	12,001
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
11,752 12,006	.43	69	Open ☑ Squeezed ☐
11,317 11,698	.43	69	Open ☑ Squeezed ☐
10,919 11,194	.43	69	Open ☑ Squeezed ☐
10,614 10,895	.43	69	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11752-12006	5000 gal, 15% HCL, 3000# 100 Mesh, 140700# Power Prop
11317-11698	5000 gal, 15% HCL, 3000# 100 Mesh, 129500# Power Prop
10919-11194	5000 gal, 15% HCL, 3000# 100 Mesh, 156440# Power Prop

29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.

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

30. WELL STATUS:

(5/2000)

(CONTINUED ON BACK)

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
6/30/2013	7/7/2013	24		605	661	1,069	Rod Pump

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:
16	2,300		44.00	1	1		605	661	1,069	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	4,499
				Middle Green River	6,268
				Lower Green River	7,584
				Wasatch	9,387

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 12/19/13

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

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Attachment to Well Completion Report

Form 8 Dated December 17, 2013

Well Name: Penfield 2-8C4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
10239’-10587’	.43	69	Open
9980’-10203’	.43	69	Open
9740’-9946’	.43	69	Open

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

Depth Interval	Amount and Type of Material
10614’-10895’	5000 gal, 15% HCL, 3000# 100 Mesh, 156520# Power Prop
10239’-10587’	5000 gal, 15% HCL, 3000# 100 Mesh, 152250# Power Prop
9980’-10203’	5000 gal, 15% HCL, 3000# 100 Mesh, 137850# Power Prop
9740’-9946’	5000 gal, 15% HCL, 3000# 100 Mesh, 140200# 20/40 Tempered LC

RECEIVED: Dec. 19, 2013

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Penfield 2-8C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 404	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In	**0.00**	**0.00**	**0.00**												
1	100	0.3	281.15	100.00	100.00	0.05	0.05	N	0.26	W	0.26	281.15	0.30	0.30	281.15
2	200	0.39	248.63	100.00	200.00	-0.02	0.02	S	0.83	W	0.83	268.43	0.21	0.09	-32.52
3	300	0.35	265.18	100.00	300.00	-0.17	0.17	S	1.45	W	1.46	263.23	0.11	-0.04	16.55
4	400	0.29	253.53	100.00	399.99	-0.27	0.27	S	2.00	W	2.02	262.31	0.09	-0.06	-11.65
5	500	0.3	291.35	100.00	499.99	-0.25	0.25	S	2.49	W	2.50	264.34	0.19	0.01	37.82
6	532	0.32	282.74	32.00	531.99	-0.20	0.20	S	2.65	W	2.66	265.77	0.16	0.06	-26.91
7	679	0.09	215.04	147.00	678.99	-0.20	0.20	S	3.12	W	3.12	266.33	0.20	-0.16	-46.05
8	772	0.48	41.63	93.00	771.99	0.03	0.03	N	2.90	W	2.90	270.62	0.61	0.42	-186.46
9	865	0.79	56.7	93.00	864.98	0.67	0.67	N	2.11	W	2.21	287.76	0.38	0.33	16.20
10	958	1.58	43.74	93.00	957.96	1.95	1.95	N	0.68	W	2.07	340.71	0.89	0.85	-13.94
11	1051	1.58	45.1	93.00	1050.93	3.78	3.78	N	1.11	E	3.94	16.36	0.04	0.00	1.46
12	1144	1.01	46.02	93.00	1143.90	5.26	5.26	N	2.61	E	5.87	26.39	0.61	-0.61	0.99
13	1237	1.01	32.4	93.00	1236.89	6.52	6.52	N	3.64	E	7.47	29.16	0.26	0.00	-14.65
14	1330	1.41	28.23	93.00	1329.87	8.22	8.22	N	4.62	E	9.43	29.33	0.44	0.43	-4.48
15	1423	1.19	23.7	93.00	1422.85	10.11	10.11	N	5.55	E	11.53	28.75	0.26	-0.24	-4.87
16	1516	0.79	10.52	93.00	1515.83	11.63	11.63	N	6.05	E	13.11	27.50	0.49	-0.43	-14.17
17	1609	0.48	314.31	93.00	1608.83	12.53	12.53	N	5.89	E	13.85	25.18	0.71	-0.33	326.66
18	1702	0.88	295.02	93.00	1701.82	13.10	13.10	N	4.97	E	14.01	20.75	0.49	0.43	-20.74
19	1795	1.01	315.41	93.00	1794.81	13.99	13.99	N	3.74	E	14.48	14.98	0.39	0.14	21.92
20	1889	0.7	359.31	94.00	1888.80	15.15	15.15	N	3.15	E	15.48	11.76	0.75	-0.33	46.70
21	1982	0.7	44.14	93.00	1981.79	16.13	16.13	N	3.54	E	16.51	12.39	0.57	0.00	-338.89
22	2075	0.48	42.73	93.00	2074.79	16.82	16.82	N	4.20	E	17.34	14.03	0.24	-0.24	-1.52
23	2168	0.4	81.14	93.00	2167.78	17.16	17.16	N	4.79	E	17.81	15.59	0.32	-0.09	41.30
24	2261	0.4	99.64	93.00	2260.78	17.15	17.15	N	5.43	E	17.99	17.56	0.14	0.00	19.89
25	2354	0.62	142.84	93.00	2353.78	16.70	16.70	N	6.05	E	17.76	19.92	0.46	0.24	46.45
26	2446	0.22	107.33	92.00	2445.78	16.25	16.25	N	6.52	E	17.51	21.87	0.50	-0.43	-38.60
27	2450	0.22	99.2	4.00	2449.78	16.25	16.25	N	6.54	E	17.51	21.92	0.78	0.00	-203.25
28	2585	0.22	110.23	135.00	2584.77	16.12	16.12	N	7.04	E	17.58	23.59	0.03	0.00	8.17
29	2678	0.22	207.7	93.00	2677.77	15.90	15.90	N	7.12	E	17.42	24.13	0.36	0.00	104.81
30	2771	0.22	200.71	93.00	2770.77	15.57	15.57	N	6.97	E	17.06	24.13	0.03	0.00	-7.52
31	2864	0.22	125.3	93.00	2863.77	15.30	15.30	N	7.06	E	16.85	24.76	0.29	0.00	-81.09
32	2957	0.31	115.94	93.00	2956.77	15.09	15.09	N	7.43	E	16.82	26.22	0.11	0.10	-10.06
33	3050	0.62	252.44	93.00	3049.77	14.83	14.83	N	7.18	E	16.47	25.83	0.94	0.33	146.77
34	3144	0.88	273.53	94.00	3143.76	14.72	14.72	N	5.97	E	15.88	22.08	0.40	0.28	22.44
35	3237	1.01	256.52	93.00	3236.75	14.57	14.57	N	4.46	E	15.24	17.02	0.33	0.14	-18.29

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Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Penfield 2-8C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 404	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
36	3330	1.01	256.61	93.00	3329.74	14.19	14.19	N	2.87	E	14.47	11.42	0.00	0.00	0.10
37	3423	0.88	243.73	93.00	3422.72	13.68	13.68	N	1.43	E	13.76	5.96	0.27	-0.14	-13.85
38	3516	1.1	234.64	93.00	3515.71	12.85	12.85	N	0.06	E	12.85	0.27	0.29	0.24	-9.77
39	3609	1.19	237.71	93.00	3608.69	11.82	11.82	N	1.48	W	11.91	352.84	0.12	0.10	3.30
40	3702	0.48	195.31	93.00	3701.68	10.93	10.93	N	2.40	W	11.19	347.59	0.96	-0.76	-45.59
41	3795	0.79	211.04	93.00	3794.67	10.00	10.00	N	2.84	W	10.40	344.16	0.38	0.33	16.91
42	3889	0.7	251.82	94.00	3888.67	9.27	9.27	N	3.72	W	9.98	338.14	0.56	-0.10	43.38
43	3982	0.7	238.9	93.00	3981.66	8.80	8.80	N	4.74	W	9.99	331.66	0.17	0.00	-13.89
44	4075	0.7	184.72	93.00	4074.65	7.94	7.94	N	5.28	W	9.53	326.38	0.69	0.00	-58.26
45	4168	1.41	186.21	93.00	4167.64	6.23	6.23	N	5.45	W	8.28	318.85	0.76	0.76	1.60
46	4261	1.01	168.72	93.00	4260.62	4.29	4.29	N	5.41	W	6.91	308.42	0.58	-0.43	-18.81
47	4354	1.19	186.03	93.00	4353.60	2.53	2.53	N	5.35	W	5.92	295.27	0.40	0.19	18.61
48	4448	1.8	255.6	94.00	4447.57	1.19	1.19	N	6.88	W	6.99	279.80	1.89	0.65	74.01
49	4541	1.8	260.13	93.00	4540.53	0.58	0.58	N	9.74	W	9.75	273.38	0.15	0.00	4.87
50	4634	1.71	236.7	93.00	4633.49	-0.44	0.44	S	12.34	W	12.34	267.97	0.77	-0.10	-25.19
51	4727	1.89	224.4	93.00	4726.44	-2.29	2.29	S	14.57	W	14.75	261.05	0.46	0.19	-13.23
52	4820	1.71	228.93	93.00	4819.39	-4.30	4.30	S	16.69	W	17.23	255.54	0.25	-0.19	4.87
53	4913	1.19	248.22	93.00	4912.37	-5.57	5.57	S	18.63	W	19.45	253.35	0.76	-0.56	20.74
54	5006	1.32	220.53	93.00	5005.34	-6.74	6.74	S	20.22	W	21.32	251.56	0.66	0.14	-29.77
55	5099	1.58	209.94	93.00	5098.31	-8.67	8.67	S	21.56	W	23.24	248.09	0.40	0.28	-11.39
56	5192	2.11	202.21	93.00	5191.27	-11.37	11.37	S	22.85	W	25.52	243.55	0.63	0.57	-8.31
57	5285	1.19	226.2	93.00	5284.23	-13.62	13.62	S	24.19	W	27.76	240.62	1.22	-0.99	25.80
58	5378	1.41	211.22	93.00	5377.20	-15.27	15.27	S	25.48	W	29.70	239.07	0.43	0.24	-16.11
59	5471	1.89	201.33	93.00	5470.16	-17.67	17.67	S	26.63	W	31.96	236.43	0.60	0.52	-10.63
60	5564	1.41	210.6	93.00	5563.13	-20.09	20.09	S	27.77	W	34.28	234.12	0.59	-0.52	9.97
61	5657	1.71	208.93	93.00	5656.09	-22.29	22.29	S	29.03	W	36.60	232.48	0.33	0.32	-1.80
62	5750	1.58	190.52	93.00	5749.05	-24.76	24.76	S	29.93	W	38.85	230.40	0.58	-0.14	-19.80
63	5843	2.29	196.54	93.00	5842.00	-27.80	27.80	S	30.69	W	41.41	227.83	0.79	0.76	6.47
64	5936	2.42	191.22	93.00	5934.92	-31.51	31.51	S	31.61	W	44.63	225.09	0.27	0.14	-5.72
65	6029	2.02	189.81	93.00	6027.85	-35.05	35.05	S	32.27	W	47.64	222.63	0.43	-0.43	-1.52
66	6122	2.29	190.12	93.00	6120.79	-38.50	38.50	S	32.87	W	50.62	220.50	0.29	0.29	0.33
67	6215	2.2	188.54	93.00	6213.71	-42.09	42.09	S	33.46	W	53.77	218.49	0.12	-0.10	-1.70
68	6308	2.29	187.53	93.00	6306.64	-45.70	45.70	S	33.97	W	56.94	216.63	0.11	0.10	-1.09
69	6401	2.68	186.74	93.00	6399.56	-49.70	49.70	S	34.47	W	60.48	214.75	0.42	0.42	-0.85
70	6494	2.5	184.8	93.00	6492.46	-53.88	53.88	S	34.90	W	64.19	212.93	0.22	-0.19	-2.09
71	6587	2.29	186.91	93.00	6585.38	-57.74	57.74	S	35.29	W	67.67	211.43	0.24	-0.23	2.27
72	6680	2.11	205.85	93.00	6678.31	-61.13	61.13	S	36.26	W	71.07	210.67	0.80	-0.19	20.37

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Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Penfield 2-8C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 404	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
73	6773	2.42	243.43	93.00	6771.24	-63.55	63.55	S	38.76	W	74.44	211.38	1.60	0.33	40.41
74	6866	2.9	237.54	93.00	6864.14	-65.69	65.69	S	42.50	W	78.24	212.90	0.59	0.52	-6.33
75	6959	3.21	227.61	93.00	6957.01	-68.71	68.71	S	46.41	W	82.91	214.04	0.66	0.33	-10.68
76	7052	2.5	224.93	93.00	7049.90	-71.90	71.90	S	49.77	W	87.44	214.69	0.78	-0.76	-2.88
77	7145	2.42	216.62	93.00	7142.81	-74.91	74.91	S	52.37	W	91.40	214.96	0.39	-0.09	-8.94
78	7238	2.9	201.02	93.00	7235.71	-78.68	78.68	S	54.39	W	95.65	214.65	0.93	0.52	-16.77
79	7331	2.68	216.93	93.00	7328.60	-82.62	82.62	S	56.54	W	100.11	214.38	0.86	-0.24	17.11
80	7424	2.81	213.41	93.00	7421.50	-86.26	86.26	S	59.10	W	104.56	214.42	0.23	0.14	-3.78
81	7516	2.29	200.62	92.00	7513.40	-89.86	89.86	S	60.99	W	108.60	214.16	0.83	-0.57	-13.90
82	7609	2.68	194.52	93.00	7606.32	-93.70	93.70	S	62.19	W	112.46	213.57	0.51	0.42	-6.56
83	7702	3.38	189.51	93.00	7699.19	-98.51	98.51	S	63.18	W	117.03	212.68	0.80	0.75	-5.39
84	7795	2.68	191.44	93.00	7792.06	-103.35	103.35	S	64.07	W	121.60	211.80	0.76	-0.75	2.08
85	7888	2.68	190.74	93.00	7884.95	-107.62	107.62	S	64.91	W	125.67	211.10	0.04	0.00	-0.75
86	7982	2.81	191.31	94.00	7978.85	-112.03	112.03	S	65.77	W	129.91	210.41	0.14	0.14	0.61
87	8075	3.3	191.7	93.00	8071.71	-116.89	116.89	S	66.76	W	134.61	209.73	0.53	0.53	0.42
88	8167	2.99	198.91	92.00	8163.58	-121.75	121.75	S	68.07	W	139.49	209.21	0.55	-0.34	7.84
89	8261	2.5	191.62	94.00	8257.47	-126.08	126.08	S	69.28	W	143.86	208.79	0.64	-0.52	-7.76
90	8355	1.1	215.04	94.00	8351.42	-128.83	128.83	S	70.21	W	146.72	208.59	1.65	-1.49	24.91
91	8449	1.41	195.7	94.00	8445.40	-130.68	130.68	S	71.04	W	148.74	208.53	0.55	0.33	-20.57
92	8543	1.8	190.03	94.00	8539.36	-133.25	133.25	S	71.61	W	151.27	208.25	0.45	0.41	-6.03
93	8636	2.2	183.71	93.00	8632.30	-136.47	136.47	S	71.98	W	154.29	207.81	0.49	0.43	-6.80
94	8730	2.2	182.61	94.00	8726.24	-140.07	140.07	S	72.18	W	157.57	207.26	0.04	0.00	-1.17
95	8822	1.41	194.21	92.00	8818.19	-142.93	142.93	S	72.54	W	160.28	206.91	0.94	-0.86	12.61
96	8916	0.79	201.72	94.00	8912.17	-144.65	144.65	S	73.06	W	162.06	206.80	0.68	-0.66	7.99
97	9009	2.02	170.04	93.00	9005.14	-146.86	146.86	S	73.02	W	164.01	206.43	1.52	1.32	-34.06
98	9103	2.2	155.71	94.00	9099.08	-150.14	150.14	S	71.99	W	166.51	205.62	0.59	0.19	-15.24
99	9196	1.01	137.43	93.00	9192.04	-152.37	152.37	S	70.70	W	167.97	204.89	1.38	-1.28	-19.66
100	9289	1.58	276.43	93.00	9285.03	-152.83	152.83	S	71.42	W	168.69	205.05	2.62	0.61	149.46
101	9351	2.02	270.01	62.00	9347.00	-152.73	152.73	S	73.36	W	169.44	205.66	0.78	0.71	-10.35
102	9400	2.02	270.01	49.00	9395.97	-152.73	152.73	S	75.09	W	170.19	206.18	0.00	0.00	0.00
103	9915	2.4	270.01	515.00	9910.59	-152.73	152.73	S	94.95	W	179.84	211.87	0.07	0.07	0.00
104	10000.00	2.4	270.01	85.00	9995.51	-152.73	152.73	S	98.51	W	181.74	212.82	0.00	0.00	0.00
105	10100.00	2.4	270.01	100.00	10095.42	-152.73	152.73	S	102.69	W	184.04	213.92	0.00	0.00	0.00
106	10200.00	2.4	270.01	100.00	10195.34	-152.73	152.73	S	106.88	W	186.41	214.98	0.00	0.00	0.00
107	10300.00	2.4	270.01	100.00	10295.25	-152.73	152.73	S	111.07	W	188.84	216.03	0.00	0.00	0.00
108	10400.00	2.4	270.01	100.00	10395.16	-152.73	152.73	S	115.26	W	191.34	217.04	0.00	0.00	0.00
109	10500.00	2.4	270.01	100.00	10495.07	-152.73	152.73	S	119.44	W	193.89	218.03	0.00	0.00	0.00

RECEIVED: Dec. 19, 2013

Company:	EP Energy	**Job Number:**		**Calculation Method**	Minimum Curvature
Well:	Penfield 2-8C4	**Mag Decl.:**		**Proposed Azimuth**	0.00
Location:	Duchesne, UT	**Dir Driller:**		**Depth Reference**	KB
Rig:	Precision 404	**MWD Eng:**		**Tie Into:**	Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)		Coordinates E/W (ft)		Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
110	10600.00	2.4	270.01	100.00	10594.99	-152.73	152.73	S	123.63	W	196.49	218.99	0.00	0.00	0.00
111	10700.00	2.4	270.01	100.00	10694.90	-152.73	152.73	S	127.82	W	199.15	219.93	0.00	0.00	0.00
112	10800.00	2.4	270.01	100.00	10794.81	-152.72	152.72	S	132.01	W	201.87	220.84	0.00	0.00	0.00
113	10900.00	2.4	270.01	100.00	10894.72	-152.72	152.72	S	136.19	W	204.63	221.73	0.00	0.00	0.00
114	11000.00	2.4	270.01	100.00	10994.63	-152.72	152.72	S	140.38	W	207.44	222.59	0.00	0.00	0.00
115	11100.00	2.4	270.01	100.00	11094.55	-152.72	152.72	S	144.57	W	210.30	223.43	0.00	0.00	0.00
116	11200.00	2.4	270.01	100.00	11194.46	-152.72	152.72	S	148.76	W	213.20	224.25	0.00	0.00	0.00
117	11300.00	2.4	270.01	100.00	11294.37	-152.72	152.72	S	152.94	W	216.14	225.04	0.00	0.00	0.00
118	11400.00	2.4	270.01	100.00	11394.28	-152.72	152.72	S	157.13	W	219.12	225.82	0.00	0.00	0.00
119	11500.00	2.4	270.01	100.00	11494.20	-152.72	152.72	S	161.32	W	222.14	226.57	0.00	0.00	0.00
120	11600.00	2.4	270.01	100.00	11594.11	-152.72	152.72	S	165.51	W	225.20	227.30	0.00	0.00	0.00
121	11700.00	2.4	270.01	100.00	11694.02	-152.72	152.72	S	169.69	W	228.30	228.01	0.00	0.00	0.00
122	11800.00	2.4	270.01	100.00	11793.93	-152.72	152.72	S	173.88	W	231.42	228.71	0.00	0.00	0.00
123	11900.00	2.4	270.01	100.00	11893.84	-152.72	152.72	S	178.07	W	234.59	229.38	0.00	0.00	0.00
124	12000.00	2.4	270.01	100.00	11993.76	-152.72	152.72	S	182.26	W	237.78	230.04	0.00	0.00	0.00
125	12100.00	2.4	270.01	100.00	12093.67	-152.72	152.72	S	186.44	W	241.01	230.68	0.00	0.00	0.00

RECEIVED: Dec. 19, 2013

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
PENFIELD 2-8C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013520820000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 08 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 12/16/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: 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)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE		**DATE**
N/A		2/12/2015

RECEIVED: Feb. 12, 2015

CENTRAL DIVISION

ALTAMONT FIELD
PENFIELD 2-8C4
PENFIELD 2-8C4
WORKOVER LAND

Operation Summary Report

RECEIVED: Feb. 12, 2015

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	PENFIELD 2-8C4		
Project	ALTAMONT FIELD	**Site**	PENFIELD 2-8C4
Rig Name/No.		**Event**	WORKOVER LAND
Start date	12/11/2014	**End date**	
Spud Date/Time	5/18/2013	**UWI**	PENFIELD 2-8C4
Active datum	KB @6,001.6ft (above Mean Sea Level)		
Afe No./Description	163946/52872 / PENFIELD 2-8C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/12/2014	14:00	14:30	0.50	WOR	28		P		MI TGSM & JSA (SLIDING UNIT)
	14:30	15:30	1.00	MIRU	01		P		SIDE UNIT, RU WORK PUMP OFF SEAT.
	15:30	16:30	1.00	WOR	06		P		FLUSH TBG AND RODS W/ 65 BBLS 2 % KCL.
	16:30	17:30	1.00	WOR	39		P		POOH W/ 95 1", 111 7/8", 55 3/4" SWI
12/13/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POH W/ TBG)
	7:30	9:30	2.00	WOR	39		P		COOH W/ 55 3/4", L/D 42 1", 2 1/2" X 1 1/2" X 38' WALS RHBC
	9:30	10:30	1.00	WOR	16		P		C/O TO TBG EQUIPMENT, TEMPORARY LAND TBG, NU BOP, RU WORK FLOOR, RELEASE TAC, RU SCANNERS.
	10:30	15:30	5.00	WOR	39		P		SCAN OUT W/ 143 YELLOW, 76 BLUE, 58 RED L/D BHA. RD SCANNERS.
	15:30	17:30	2.00	WLWORK	18		P		RU WIRE LINE RIH W/ 3.825 GR W/ JB AND CCL TAG @ 12,046'. RD WIRE LINE. SWI SDFWE
12/14/2014	6:00	6:30	0.50	MIRU	28		P		TGSM AND JSA (PINCH POINTS ROLLING TBG)
	6:30	9:30	3.00	MIRU	01		P		SPOT CAT WALK AND PIPE RACKS OFF LOAD TBG
12/15/2014	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
12/16/2014	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PU TBG)
	7:30	16:00	8.50	WOR	39		P		PUMU & RIH W/ 2 3/8" BULL PLUG, 2 JTS 2 3/8", 3 1/2" PBGA W/ DIP TUBE, 2' PUP, +45 PSN, 4' PUP, 4 JTS, 5" TAC, 80 JTS 2 3/8", (2 3/8" & BHA NEW) X/O TO 2 7/8", RU TEST 143 JTS YELLOW BAND 1 JT NEW RD TESTING UNIT. CONTINUE IN HOLE W/ 134 JTS 2 7/8"
	16:00	17:30	1.50	WOR	39		P		SET TAC, TEMORARY LAND TBG, RD WORK FLOOR, ND BOPE, RE LAND TBG IN TENSION, NU B FLANGE, MU PUMP T AND FLOW LINES. SWI SHUT DOWN FOR DAY
12/17/2014	6:00	7:30	1.50	INARTLT	28		P		CT TGSM & JSA (RIH W/ RODS)
	7:30	8:00	0.50	INARTLT	06		P		FLUSH TBG W/ 65 BBLS 2% KCL W/ 10 GAL COR. INHIBITOR
	8:00	13:00	5.00	INARTLT	39		P		PUMU & RIH W/ 2" X 1 1/4" X 38' WALS 2 STAGE RXBC, 17 WT BARS, 93 SHG, 109 3/4" , 40 3/4" NEW, 111 7/8", 13 NEW 7/8", 72 1" W/G, 10 1" SLICK. SPACE OUT W/ 2' PONIE AND 1 1/2" X 40' P ROD. FILL TBG, L/S TO 1000 PSIG. GOOD TEST W/ GOOD PUMP ACTION.
	13:00	14:00	1.00	RDMO	18		P		RD SLIDE UNIT, CHECK FOR TAG TOT PRODUCTION

Table of Contents

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
PENFIELD 2-8C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013520820000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 08 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		
✓ NOTICE OF INTENT Approximate date work will start: 6/12/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	✓ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Set plugs with 10' of cement on top @ 9730' & 9715'. Recomplete in Wasatch/LGR. See attached for details.

Approved by the
Utah Division of
Oil, Gas and Mining
June 22, 2015

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE		**DATE**
N/A		6/5/2015

RECEIVED: Jun. 05, 2015

Penfield 2-8C4 Recom Summary Procedure

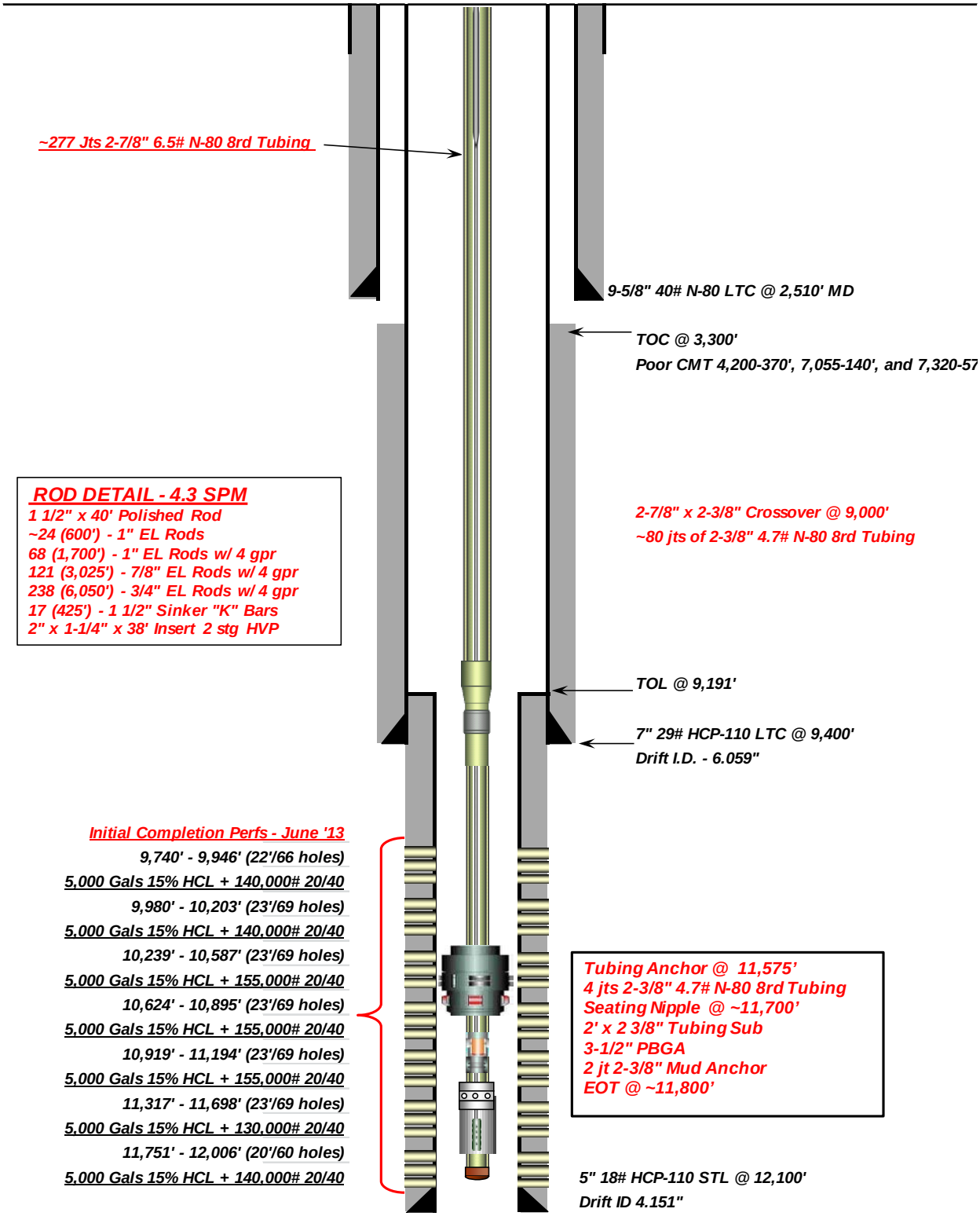
- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Circulate & Clean wellbore
- Set (2) CBP for 5" 18# casing @ 9,730 & 9,715 to plug back currently producing zones (Top perf @ 9,740'). 10' cement will be dump bailed on top of both CBP.
- Stage 1:
  - Perforate new Upper Wasatch interval from ~**9,453' – 9,668**'
  - Prop Frac perforations with **107,500 Lbs 30/50 prop** (w/**3,000 lbs 100 Mesh** & **5,000 Gal 15% HCl Aci**d) (STAGE 1 Recom)
- Stage 2:
  - RIH with 5"CBP & set @9,424'.
  - Perforate new UW & CP70 interval from ~**9,216' – 9,409**'
  - Prop Frac perforations with **96,500 Lbs 30/50 prop** (w/**3,000 lbs 100 Mesh** & **5,000 Gal 15% HCl Acid**) (STAGE 2 Recom)
- Stage 3:
  - RIH w/ 7" CBP & set @ 9,186'
  - Perforate new LGR interval from **~8,908 – 9,154**'
  - Acidize new perforations w/ **123,000 Lbs 30/50 prop (w/3,000 lbs 100 Messh & 5,000 Gals 15% HCl Acid)** (STAGE 3 Recom)
  -
- Clean out well drilling up 7" & 5" CBP, leaving (2) CBP w/ 10' cmt @ 9,730' & 9,715' above perfs @ 9,740'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

RECEIVED: Jun. 05, 2015

EP ENERGY

Current Pumping Schematic

Company Name:	EP Energy	**Last Updated:**	6/4/2015
Well Name:	Penfield 2-8C4	**By:**	Krug
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	12,100'
Surface Location:	Lat: 40° 14' 22.51055" N Long: 110° 21' 12.84521" W	**NHOW:**	
Producing Zone(s):	Wasatch	**Pick Up:**	

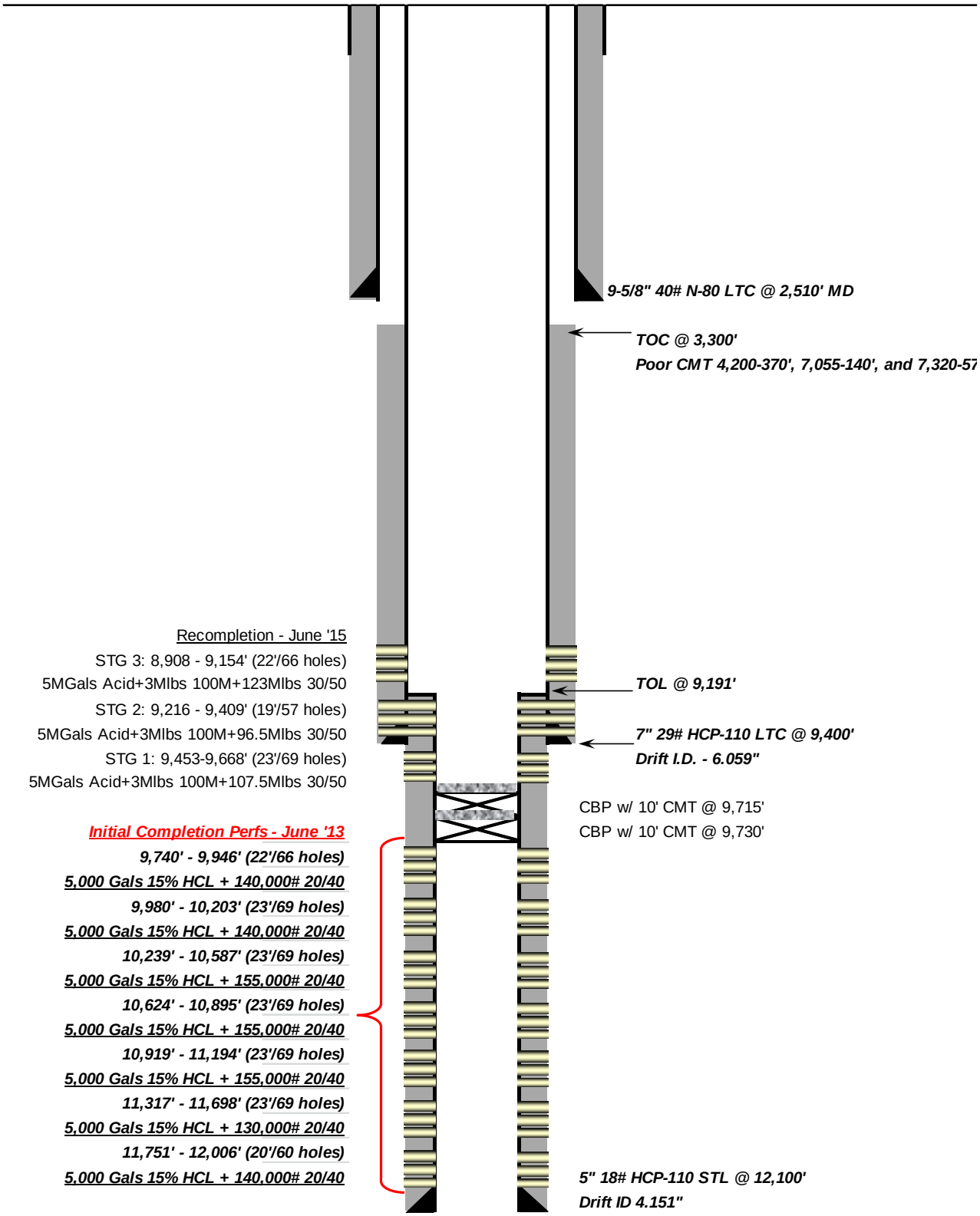


RECEIVED: Jun. 05, 2015

EP ENERGY

Proposed Recom Schematic

Company Name:	*EP Energy*	**Last Updated:**	***6/4/2015***
Well Name:	***Penfield 2-8C4***	**By:**	*Krug*
Field, County, State:	*Altamont - Bluebell, Duchesne, Utah*	**TD:**	*12,100'*
Surface Location:	*Lat: 40° 14' 22.51055" N Long: 110° 21' 12.84521" W*	**NHOW:**	
Producing Zone(s):	*Wasatch*	**Pick Up:**	



RECEIVED: Jun. 05, 2015

Reset Form

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

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER

8. WELL NAME and NUMBER: Penfield 2-8C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352082

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 900' FNL & 700' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 900' FNL & 700' FEL
AT TOTAL DEPTH: 900' FNL & 700' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 8 3S 4W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 5/12/2013

15. DATE T.D. REACHED: 6/9/2013

16. DATE COMPLETED: 7/7/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6068

18. TOTAL DEPTH: MD 12,100 TVD 12,095

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)
Submitted with Initial Completion

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
		Submitted							
		with							
		Initial							
		Completion							

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	9,297							

26. PRODUCING INTERVALS / **27. PERFORATION RECORD**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	9,387	12,100	9,383	12,095	9,453 – 9,668	.38	69	Open ☑ Squeezed ☐
(B) LGR	7,584	9,387	7,581	9,383	9,216 – 9,409	.38	57	Open ☑ Squeezed ☐
(C)					8,908 – 9,154	.38	66	Open ☑ Squeezed ☐
(D)								Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9453-9668	5000 gals 15% HCL Acid, 3100# 100 Mesh, 107400# 30/50 TLC
9216-9409	5000 gals 15% HCL Acid, 3100# 100 Mesh, 96670# 30/50 TLC
8908-9154	5000 gals 15% HCL Acid, 3680# 100 Mesh, 96120# 30/50 TLC

29. ENCLOSED ATTACHMENTS:
9720' & 9710' CBP's with 10' of cement each

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

30. WELL STATUS: Prod

(5/2000)

(CONTINUED ON BACK)

9 5/8" FLOWED WHILE PERFORMING RECOMPLETION. PUMPED 180 SX OF CEMENT (1.66 YIELD) & DISPLACED TO 1500'.

RECEIVED: Aug. 28, 2015

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:
7/6/2015	7/15/2015	24		181	96	164	Rod Pump

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:
NA	84	40	39.00	1	1		181	96	164	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)
				Previously Submitted	

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 Digitally signed by Maria Gomez DN: cn=Maria Gomez, o=EP Energy, ou=Regulatory, email=maria.gomez@epenergy.com, c=US Date: 2015.08.28 11:59:35 -05'00' DATE 8/28/2015

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Aug. 28, 2015

CENTRAL DIVISION

ALTAMONT FIELD
PENFIELD 2-8C4
PENFIELD 2-8C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Aug. 28, 2015

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	PENFIELD 2-8C4		
Project	ALTAMONT FIELD	**Site**	PENFIELD 2-8C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	6/18/2015	**End date**	7/7/2015
Spud Date/Time	5/18/2013	**UWI**	PENFIELD 2-8C4
Active datum	KB @6,001.6ft (above Mean Sea Level)		
Afe No./Description	164978/54295 / PENFIELD 2-8C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
6/19/2015	17:00	19:00	2.00	MIRU	01		P		MOVE FROM 1-4C4, HSM, SLIDING ROTAFLEX, SLIDE ROTAFLEX BACK, LOTO ROTAFLEX, SPOT & RIG UP, X/O TO ROD EQUIP. HOT OILER PUMP 200 BBLS 2% KCL DOWN CSG
	19:00	21:00	2.00	WOR	18		P		L/D POLISH ROD, P/U 1" WORK ROD, ATTEMPT TO UNSEAT PUMP, NO LUCK, CLOSE STRIPPING RUBBERS & RATIGAN, LEAVE 20K PULLED OVER, SECURE WELL, TBG SHUT IN, CSG TO SALES, SDFN 2% KCL PUMPED = 250 BBLS DIESEL USED = 32 GAL PROPANE USED = 200 GAL
6/20/2015	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION. HSM, WRITE AND REVIEW JSA. TOPIC - TRIPPING PIPE AND HAND PLACEMENT.
	7:00	7:30	0.50	WOR	06		P		PUMP 100 BBLS HOT FLUID TO HELP UNSEAT PUMP.
	7:30	11:00	3.50	WOR	39		P		ATTEMPT TO UNSEAT PUMP. UNSUCCESSFUL. PART RODS ABOVE PUMP. POOH WITH 81 1", 127 7/8", 242 3/4", 17 1 1/2" SINKER BARS.
	11:00	12:30	1.50	WOR	16		P		NIPPLE DOWN WELLHEAD. NIPPLE UP BOPS. RELEASE TUBING ANCHOR.
	12:30	13:00	0.50	WLWORK	21		P		RU THE PERFORATORS WIRELINE.
	13:00	14:00	1.00	WLWORK	21		P		RIH WITH 1 9/16" PERF GUN. SHOOT 4 HOLES IN TBG AT 11,760'. POOH WITH WL AND RIG DOWN AND MOVE OFF.
	14:00	19:00	5.00	WOR	39		P		POOH STANDING BACK 275 JTS 2 7/8" TBG AND 80 JTS 2 3/8" TBG. SDFW
6/22/2015	6:00	7:30	1.50	BL	28		N		CT TGSM & JSA (WIRE LINE OPERATIONS)
	7:30	12:00	4.50	BL	52		N		RIH W/ 2 3/4" O/S DRESSED W/ 1 11/16" GPL, JDC, SPANGS, JARS & WT BARS, RIH LATCH ON FISH @ 10,200'. WORK FISH TO 10,150' SHEARED JDC, POOH REPLACE JDC & JARS, RIH LATCH ON, JAR AND WORK FISH FREE, POOH DRAGGING JARRING AS NEEDED. L/D PLUG FISH, CBP MISSING MULTIPLE PARTS.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	12:00 20:00	8.00	WLWORK	26		P		RIH W/ 4.0 GR TO 9735', SET BAKER CBP @ 9720', DUMP BAIL 10' CEMENT, FILL CASING W/ 200 BBLS, HOLD 2000 PSIG AND SET 2ND CBP @ 9710', DUMP BAIL 10' CEMENT. RUN 6.0 GR TO LINER TOP. SHUT AND LOCK BLIND RAMS, SHUT AND BULL PLUG CASING VALVES.
6/23/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON NIPPLING UP FRAC STACK. FILL OUT & REVIEW JSA
	7:30 14:00	6.50	WOR	16		P		ND BOP. NU & TEST FRAC STACK. CONTINUE MOVING IN & FILLING FRAC TANKS. RUN TRANSFER LINES
6/24/2015	6:00 7:30	1.50	WOR	28		P		TRTAVEL TO LOCATION. HOLD SAFETY MEETING ON PRESSURE TESTING CSG. FILL OUT & REVIEW JSA
	7:30 8:30	1.00	WOR	18		P		PRESSURE TEST CSG TO 8000 PSI FOR 15 MINUTES. TESTED GOOD. BLEED PRESSURE OFF CSG.
	8:30 12:00	3.50	STG01	21		P		RU WIRELINE UNIT. RIH & PERFORATE STAGE 1 9453' TO 9668' WHILE HOLDING 1000 PSI ON CSG. PRESSURE DID NOT CHANGE WHILE PERFORATING.
	12:00 15:00	3.00	STG01	18		P		CONTINUE RIGGING UP FRAC EQUIPMENT & MOVING IN FRAC WTR.
6/25/2015	6:00 7:30	1.50	STG01	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON FRAC SAFETY. FILL OUT & REVIEW JSA
	7:30 11:00	3.50	STG01	42		N		PRESSURE TEST PUMP LINES. GROUND VALVE LEAKED. WAIT ON GROUND VALVE TO ARRIVE FROM HALLIBURTON YARD
	11:00 12:30	1.50	STG01	35		P		PRESSURE TEST LINES TO 900 PSI.OPEN WELL. SICP 1565 PSI. BREAK DOWN STAGE 1 PERFORATIONS @ 3867 PSI, PUMPING 9.9 BPM. BRING RATE UPTO 75 BPM.PERFORM STEP RATE SHUT DOWN. ISIP 3290 PSI. FG .77. 5 MIN 2971 PSI. 10 MIN 2937 PSI. TREAT STAGE 1 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3100 LBS 100 MESH SAND IN 1/2 PPG STAGE & 107400 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 3651 PSI. FG ..81. AVG RATE 75.2 BPM. MAX RATE 75.5 BPM. AVG PSI 4412 PSI. MAX PSI 5844 PSI. TURN WELL OVER TO WIRE LINE. 3194 BBLS FLUID TO RECOVER.
	12:30 14:00	1.50	STG02	21		P		RIH & SET CBP @ 9424'. PERFORATE STAGE 2 PERFORATIONS 9216' TO 9409' USING 2-3/4" TITAN PERFECTA SDPGUNS, 16 GRAM CHARGES, 3 SPF & 120 DEGREE PHASING. PRESSURE STAYED @ 3100 WHILE PERFORATING. TURN WELL OVER TO FRAC CREW
	14:00 20:30	6.50	STG02	35		P		PRESSURE TEST LINES TO 900 PSI.OPEN WELL. SICP 2884 PSI. BREAK DOWN STAGE 2 PERFORATIONS @ 2884 PSI, PUMPING 9.9 BPM. BRING RATE UPTO 75 BPM.PERFORM STEP RATE SHUT DOWN. ISIP 3246 PSI. FG .78. 5 MIN 2956 PSI. 10 MIN 2918 PSI. TREAT STAGE 2 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3100 LBS 100 MESH SAND IN 1/2 PPG STAGE & 96670 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. ISIP 3392 PSI. FG ..797. AVG RATE 75.5 BPM. MAX RATE 76 BPM. AVG PSI 4516 PSI. MAX PSI 6081 PSI. TURN WELL OVER TO WIRE LINE. 3055 BBLS FLUID TO RECOVER.
	20:30 6:00	9.50	STG02	18		P		WHILE RUNNING IN HOLE TO SET CBP & PERFORATE STAGE 3 PERFORATIONS, IT WAS DISCOVER 9-5/8" CSG HAD BEEN FLOWING & HAD FLOWED 130 BBLS FLUID. SHUT IN SURFACE CSG. PRESSURE CLIMBED TO 250 PSI.SET CBP @ 9185'. POOH W/ WIRELINE TOOLS. PRESSURE TEST CSG TO 5OO PSI FOR 15 MINUTES. PRESSURE ON SURFACE CSG CLIMBED TO 320 PSI. AFTER 10 MINUTE SHUT IN SURFACE CSG PRESSURE WAS @ 280 PSI. OPEN 9-5/8" CSG TO TANK. FLOW WELL @ 10 BPM.
6/26/2015	6:00 12:00	6.00	STG03	44		N		WAIT ON STATE APPROVAL TO CONTINUE W/ RECOMPLETION.

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	12:00	17:00	5.00	STG03	21		P		RU WIRELINE UNIT. RIH & PERF STAGE 3 PERFORATIONS 9071' TO 9154' WHILE HOLDING 1000 PSI ON CSG. PRESSURE CLIMBED TO 2100 PSI WHILE PERFORATING. POOH TO 210'. WIRELINE OPERATOR REQUESTED THAT PRESSURE BE BLED TO 1000 PSI. PRESSURE WAS BLED TO 1000 PSI. AS PERF GUN WAS MOVED UP HOLE WEATHERFORD HAND WAS GIVEN THE SIGNAL TO SHUT WELL IN. UPPER HCR VALVE WAS CLOSED, CUTTING WIRELINE & DROPPING PERF GUN & APPROXIMATLY 185' OF WIRELINE IN WELL
	17:00	23:00	6.00	STG03	42		N		ORDER & WAIT ON BRAIDED LINE TRUCK TO ARRIVE ON LOCATION.
	23:00	6:00	7.00	STG03	52		N		RU BRAIDED LINE UNIT & MU FISHING TOOL ASSEMBLY. RIH W/ WIRE GRAB ASSEMBLY & WORK OVER WIRELINE. POOH & LD FISH
6/27/2015	6:00	8:00	2.00	STG03	18		P		RD BRAIDED LINE EQUIPMENT
	8:00	11:00	3.00	STG03	21		P		RU WIRELINE UNIT. RIH & PERFORATE REMAINING STAGE 3 PERFORATIONS 8908' TO 9061'. PRESSURE DROPPED FROM 2200 PSI TO 2100 PSI. POOH W/ WIRELINE TOOLS
	11:00	12:30	1.50	STG03	35		P		PRESSURE TEST LINES TO 9000 PSI.OPEN WELL. SICP 1550 PSI. BREAK DOWN STAGE 3 PERFORATIONS @ 2405 PSI, PUMPING 9.9 BPM. BRING RATE UPTO 40 BPM.PERFORM STEP RATE SHUT DOWN. ISIP 1712 PSI. FG .62. 5 MIN 1250 PSI. 10 MIN 1195 PSI. TREAT STAGE 3 PERFORATIONS W/ 5000 GALLONS HCL ACID, 3680 LBS 100 MESH SAND IN 1/2 PPG STAGE & 96120 LBS TLC 30/50 SAND IN 1/2 PPG, 1 PPG, 2 PPG & 3 PPG STAGES. PRESSURE STARTED SPIKING AS 2 PPG SAND HIT PERFORATIONS. CUT SAND IN 3PPG STG. WAS UNABLE TO FULLY FLUSH. SHUT DOWN 164 BBLS INTO FLUSH, LEAVING 16000# SAND IN CSG. AVG RATE 63.6 BPM. MAX RATE 76 BPM. AVG PSI 3493 PSI. MAX PSI 7959 PSI. 3013 BBLS FLUID TO RECOVER.
	12:30	15:00	2.50	STG03	18		P		RD FRAC & WIRELINE EQUIPMENT.
	15:00	16:00	1.00	FB	19		P		BLEED PRESSURE OFF 7" CSG 7 9-5/8" CSG. SHUT IN 9-5/8" SURFACE CSG. SHUT IN SURFACE CSG. PRESSURE CLIMBED & LEVELED @ 220 PSI.
	16:00	6:00	14.00	FB	19		P		SHUT IN LINDSAY RUSSELL 2-32B4 (INJECTION WELL). OBSERVE PRESSURE ON 9-5/8" SURFACE CSG FOR 5 HHRS THEN PUT LINDSAY RUSSELL 2-32B4 BACK IN SERVICE. CONTINUE OBSERVING PRESSURE ON 9-5/8" SURFACE CSG
6/30/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON NIPPLING DOWN FRAC STACK. FILL OUT & REVIEW JSA
	7:30	9:00	1.50	WOR	16		P		NIPPLE DOWN FRAC STACK. NU & TEST BOP. RU WORK FLOOR.
	9:00	14:00	5.00	WOR	18		P		MIRU CMT EQUIPMENT. ESTABLISH INJECTION RATE 3 BPM @ 1200 PSI. PUMP 180 SX 13.5 PPG 1.66 YIELD CMT AS RECOMENDED & DISPLACING TO 1500'. STAGE LAST 2.5 BBLS DISPLACEMENT. FINAL PSI 600 PSI. SHUT IN SURFACE CSG. RD CMT EQUIPMENT.
	14:00	17:00	3.00	WOR	39		P		TIH W/ 6" OD BIT, BIT SUB, 1 JT 2-7/8"EUE TBG, SEAT NIPPLE & 115 JTS 2-7/8"EUE TBG.TAG SAND @ 3803'. TOOH W/ 6 JTS 2-7/8"EUE TBG. SDFN
7/1/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON PRESSURE TESTING CSG. FILL OUT & REVIEW JSA.

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30	10:00	2.50	WOR	18		P		SURFACE CSG PRESSURE 200 PSI. BLEED PRESSURE OFF SURFACE CSG. MONITOR FOR 15 MINUTES. NO FLOW. PRESSURE TEST & CHART SURFACE CSG TO 400 PSI FOR 15 MINUTES. TESTED GOOD. BLEED PRESSURE OFF SURFACE CSG.
	10:00	19:00	9.00	WOR	10		P		TIH 6 JTS 2-7/8"EUE TBG. TAG SAND @ 3803'. RU POWER SWIVEL & BREAK REVERSE CIRCULATION. CLEAN OUT SAND TO 3925'. FELL OUT OF SAND. CIRCULKATE HOLE CLEAN. RD POWER SWIVEL. TIH TO 8141'. TAG SAND. LD 10 JTS 2-7/8"EUE TBG. RIH W/ 10 JTS FROM DERRICK. RU POWER SWIVEL & BREAK REVERSE CIRCULATION. CLEAN OUT TO 8271'. CIRCULATE WELL CLEAN. RD POWER SWIVEL. LD 3 JTS TBG. SDFN
7/2/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON USING POWER SWIVEL. FILL OUT & REVIEW JSA
	7:30	17:30	10.00	WOR	10		P		RIH & TAG SAND @ 8433'. RU POWER SWIVEL & BREAK REVERSE CIRCULATION. CLEAN OUT SAND TO CBP SET @ 9185'. STARTED SEEING GAS IN RETURNS AS PERFORATION DEPTH WAS REACHED. DRILL ON CBP FOR 2-1/2 HRS. SAW A 700 PSI INCREASE IN PRESSURE WHILE DRILLING ON CBP
	17:30	19:30	2.00	WOR	06		P		PU OFF CBP. CIRCULATE WELL CLEAN.PUMP TBG VOLLUMN DOWN TBG. RD POWER SWIVEL. TOOH W/ 14 JTS TBG. EOT @ 8760'. CLOSE WELL IN W/ TIW VALVE IN TBG, PIPE RAMS CLOSED & LOCKED. CSG VALVES CLOSED & CAPPED. RU FLOW LINE TO TBG.
	19:30	6:00	10.50	WOR	19		P		OPEN WELL TO FLOW BACK TANK. BEGINNING TBG PRESSURE 500 PSI. BEGINNING CSG PRESSURE 560 PSI WELL FLOWED 520 BBLS FLUID. CSG PRESSURE @ REPORT TIME 300 PSI
7/3/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON POWER SWIVEL SAFETY. FILL OUT & REVIEW JSA
	7:30	8:30	1.00	WOR	15		P		PUMP 45 BBLS 2% KCL DOWN TBG.
	8:30	10:30	2.00	WOR	10		P		TIH W/ 14 JTS 2-7/8"EUE TBG. RU POWER SWIVEL & BREAK REVERSE CIRCULATION. CONTINUE DRILLING CBP SET @ 9185'. PUSH TO LINER TOP & FINISH DRILLING CBP. CIRCULATE WELL CLEAN. PUMP 45 BBLS 2% KCL WTR DOWN TBG. RD POWER SWIVEL. TOOH W/ 14 JTS 2-7/8"EUE TBG
	10:30	13:00	2.50	WOR	15		P		CIRCULATE 260 BBLS 10 PPG BRINE WTR.
	13:00	18:30	5.50	WOR	39		P		TOOH W/ TBG & 6" OD BIT. TIH W/ 4-1/8"OD BIT, BIT SUB, 19 JTS 2-7/8"EUE TBG, X-OVER & 221 JTS 2-7/8"EUE TBG. SDFN W/ EOT @ 7739'. SHUT WELL IN W/ PIPE RAMS CLOSED & LOCKED, TIW VALVE IN TBG, CLOSED & CAPPED & CSG VALVES CLOSED & CAPPED.
7/4/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON POWER SWIVEL SAFETY. FILL OUT & REVIEW JSA.
	7:30	8:30	1.00	WOR	39		P		TIH W/ 44 JTS 2-7/8"EUE TBG. RU POWER SWIVEL
	8:30	17:00	8.50	WOR	10		P		CONTINUE DRILLING CBP @ LINER TOP. RIH & TAG SAND @ 9323'. CLEAN OUT SAND THEN DRILL CBP @ 9424'. HAD TROUBLE W/ BIT PLUGGING OFF. HAD TO DRILL CBP WHILE CIRCULATING CONVENTIONALLY. RIH & TAG SAND @ 9681'.
	17:00	18:00	1.00	WOR	39		P		RD POWER SWIVEL. TOOH ABOVE PERFORATIONS. RU FLOW LINE TO TBG. OPEN WELL TO FLOW BACK TANK
	18:00	6:00	12.00	WOR	19		P		FLOW WELL TO FLOW BACK TANK. RECOVERED 460 BBLS FLUID FLOWING @225 PSI ON A 22/64" CHOKE
7/5/2015	6:00	6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA.

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2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:30	6:00	23.50	FB	19		P		FLOW WELL TO FLOW BACK TANK. RECOVERED 650 BBLS FLUID, FLOWING ON A 22/64" CHOKE. TBG PRESSURE @ REPORT TIME 110 PS1. CSG PRESSURE 600 PSI.
7/6/2015	6:00	6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	6:30	6:00	23.50	FB	19		P		FLOW WELL TO FLOWBACK TANK. RECOVERED 440BBLS FLUID FLOWING ON A 22/64" CHOKE. PRESSURE @ REPORT TIME 85 PSI TBG & 950 PSI ON CSG
7/7/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA
	7:30	11:00	3.50	WOR	15		P		PUMP 30 BBLS 10 PPG BRINE WTR DOWN TBG. TIH & TAG FILL @ 9681' TOOH ABOVE PERFORATIONS. CIRCULATE WELL W/ 10 PPG BRINE WTR
	11:00	16:30	5.50	WOR	39		P		TOOH W/ TBG & BIT. LD 2-3/8" EUE TBG IN DERRICK.. TIH W/ 5-3/4" OD NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2"OD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT, 4 JTS 2-7/8"EUE TBG, TAC & 265 JTS 2-7/8" EUE TBG. SET TAC
	16:30	19:00	2.50	WOR	16		P		ND BOP & FRAC VALVE. NU B FLANGE & FLOW LINE. INSTALL CAP STRING. CHANGE EQUIPMENT OVER TO RUN RODS. SDFN
7/8/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON RUNNING RODS. FILL OUT & REVIEW JSA
	7:30	9:30	2.00	WOR	06		P		FLUSH TBG W/ 60 BBLS 2% KCL WTR. PUMP 30 BBLS 10 PPG BRINE WTR TO KILL WELL
	9:30	16:30	7.00	WOR	39		P		PU & PRIME 2-1/2" X 1-3/4" 60 RING PA PUMP. TIH W/ PUMP, 17 WEIGHT RODS & 117 3/4" RODS. FLUSH RODS W/ 15 BBLS 2% KCL WTR. LD 117 3/4" RODS. RIH W/ 125 7/8" RODS, 1217/8" RODS & 95 1" RODS. SPACE OUT W/ 2' & 4' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD.
	16:30	18:30	2.00	RDMO	02		P		RD RIG SLIDE PUMPING UNIT. PWOP

Table of Contents

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
PENFIELD 2-8C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013520820000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5038 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 08 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 10/29/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: DO Plugs

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

Drilled out plugs @ 9720' & 9710'. Open perfs: 9740'-12006' & 8908'-9668'. See attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 10, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE		**DATE**
N/A		11/10/2015

RECEIVED: Nov. 10, 2015

CENTRAL DIVISION

ALTAMONT FIELD
PENFIELD 2-8C4
PENFIELD 2-8C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Nov. 10, 2015

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:30	6:00	23.50	FB	19		P		FLOW WELL TO FLOW BACK TANK. RECOVERED 650 BBLS FLUID, FLOWING ON A 22/64" CHOKE. TBG PRESSURE @ REPORT TIME 110 PS1. CSG PRESSURE 600 PSI.
7/6/2015	6:00	6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	6:30	6:00	23.50	FB	19		P		FLOW WELL TO FLOWBACK TANK. RECOVERED 440BBLS FLUID FLOWING ON A 22/64" CHOKE. PRESSURE @ REPORT TIME 85 PSI TBG & 950 PSI ON CSG
7/7/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA
	7:30	11:00	3.50	WOR	15		P		PUMP 30 BBLS 10 PPG BRINE WTR DOWN TBG. TIH & TAG FILL @ 9681' TOOH ABOVE PERFORATIONS. CIRCULATE WELL W/ 10 PPG BRINE WTR
	11:00	16:30	5.50	WOR	39		P		TOOH W/ TBG & BIT. LD 2-3/8" EUE TBG IN DERRICK.. TIH W/ 5-3/4" OD NO/GO, 2 JTS 2-7/8"EUE TBG, 5-1/2"OD PBGA, 2' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 4' X 2-7/8"EUE PUP JT, 4 JTS 2-7/8"EUE TBG, TAC & 265 JTS 2-7/8" EUE TBG. SET TAC
	16:30	19:00	2.50	WOR	16		P		ND BOP & FRAC VALVE. NU B FLANGE & FLOW LINE. INSTALL CAP STRING. CHANGE EQUIPMENT OVER TO RUN RODS. SDFN
7/8/2015	6:00	7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON RUNNING RODS. FILL OUT & REVIEW JSA
	7:30	9:30	2.00	WOR	06		P		FLUSH TBG W/ 60 BBLS 2% KCL WTR. PUMP 30 BBLS 10 PPG BRINE WTR TO KILL WELL
	9:30	16:30	7.00	WOR	39		P		PU & PRIME 2-1/2" X 1-3/4" 60 RING PA PUMP. TIH W/ PUMP, 17 WEIGHT RODS & 117 3/4" RODS. FLUSH RODS W/ 15 BBLS 2% KCL WTR. LD 117 3/4" RODS. RIH W/ 125 7/8" RODS, 1217/8" RODS & 95 1" RODS. SPACE OUT W/ 2' & 4' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD.
	16:30	18:30	2.00	RDMO	02		P		RD RIG SLIDE PUMPING UNIT. PWOP
10/24/2015	14:00	15:30	1.50	MIRU	01		P		ROAD RIG FROM 4-15C4 TO 2-8C4, SLIDE ROTA FLEX BACK, MIRU RIG.
	15:30	16:00	0.50	PRDHEQ	18		P		L/D POL ROD & SUBS DID NOT SEE PUMP UNSEAT, TRY FLUSH RODS, PRESSURED UP TO 1000 PSI, BLED OFF PRESS.
	16:00	18:30	2.50	PRDHEQ	39		P		POOH W/ 95-1" RODS, 111-7/8" RODS, 125-3/4" RODS, LAY DOWN 17 - 1 1/2" WEIGHT BARS, BTM WEIGHT BAR BACKED OFF AT THE PUMP, STEAM OFF ROD EQUIP. & WH, SECURE WELL, SDFN.
10/25/2015	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA 0N WIRELINE WORK. HOTOILER PUMPING HOT 2% KCL DOWN CSG
	7:00	9:15	2.25	WLWORK	21		P		MIRU THE PERFORATORS, BLOW DOWN TBG, RIH PERF TBG @ 8750' W/ 4 SHOTS, TBG WENT ON VACUUM, POOH, RDMO WIRELINERS.
	9:15	9:45	0.50	PRDHEQ	18		P		R/U HOT OILER TO TBG, FLUSH TBG W/ 60 BBLS 2% KCL
	9:45	10:45	1.00	PRDHEQ	16		P		ND B-FLANGE, NU 5K BOPS, R/U WORK FLOOR & TONGS
	10:45	14:00	3.25	PRDHEQ	39		P		RELEASE 7" TAC, TOOH W/ 265 JTS 2 7/8", 7" TAC, 2 JTS 2 7/8" TBG, L/D PERF JT, JT W/ PUMP STUCK IN IT, 4' SUB, PSN, 2' SUB, 5 1/2" PBGA, 2 JTS 2 7/8" & 5 3/4" SOLID NO/GO. X-O TO 2 3/8" TBG EQUIPMENT
	14:00	18:00	4.00	PRDHEQ	39		P		P/U 4 1/8" BIT, BIT SUB & 93 JTS 2 3/8" TBG, 2 3/8" X 2 7/8" X-O, RUN 2 7/8" TBG OUT OF DERRICK W/ 190 JTS, EOT @ 9150" SECURE WELL, SDFW
10/26/2015	6:00	6:00	24.00	WOR	18		P		SDFWE
10/27/2015	6:00	6:00	24.00	WOR	19		P		SDFWE
10/28/2015	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEERING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30	9:00	1.50	WOR	39		P		50 TSIP 50 CSIP . BLED DOWN WELL RIH W/ 25 JTS 2 7/8 L-80 EUE TBG, TAGGED FILL @ 9664'. RD UP POWER SWIVEL.
	9:00	14:00	5.00	WOR	10		P		BREAK CIRCULATION PUMPING 5 BPM AND RETURNING 3 BPM. WASHED SAND DOWN TO CEM TOP, DRILLOUT CEM AND CBPs 9705' AND 9725'. CIRCULATE TUBING CLEAN CONTINUE RIH W/ 74-JTS 2 7/8 L-80 PUSHED CBP REMAINS TO 12045',
	14:00	17:00	3.00	WOR	39		P		TOOH W/ 276-JTS 2 7/8 L-80 EUE TBG. EOT # 2920' CLOSED IN WELL CLOSED AND LOCKED PIPE RAMS, CLOSED CSG VALVES AND INSTALLED NIGHT CAPS, CLOSED TIW VALVE AND INSTALLED NIGHT CAP..
10/29/2015	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY ON TRIPPING TUBING FILLED OUT AND REVIEWED JSA.
	7:30	9:00	1.50	WOR	39		P		200 CSIP 150 TSIP BLED DOWN WELL.TOOH W/ 2-JTS 2 7/8 L-80 EUE TBG,X-OVER, 93-JTS 2 3/8 L-80 EUE TBG,BIT SUB AND BIT
	9:00	13:00	4.00	WOR	39		P		RIH W/ 2 3/8 BULL PLUG, 2-JTS2 3/8 L-80 EUE TBG, 3 1/2 PBGA, 2'-2 3/8 N-80 EUE TBG SUB, 2 3/8 SN. 4'- 2 3/8 N-80 EUE TBG SUB, 4-JTS 2 3/8 L-80 EUE TBG, 5" TAC, 77-JTS 2 3/8 L-80 EUE TBG, X-OVER AND 266-JTS 2 7/8 L-80 EUE TBG SET TAC @ 11161' , SN @ 11296' AND EOT @ 11396'
	13:00	14:30	1.50	WOR	16		P		RD RIG FLOOR. ND BOP. NU WELLHEAD AND FLOWLINE.
	14:30	15:30	1.00	WOR	06		P		FLUSH TUBING W/ 65 BBLS HOT 2%KCL W/ 10 GALS CORROSION INHIBITOR.
	15:30	17:30	2.00	WOR	39		P		PU AND PRIMED 2"X 1 1/4"X 38' HVF PUMP, RIH W/ PUMP, PU 16-1 1/2" C BARS, 108- 3/4 W/G, PU POLISH ROD CLOSED IN WELL. CLOSED CASING VALVE, CLOSED FLOW LINE. CLOSED BOTH RATIGANS. SDFN.
10/30/2015	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON RIH W/ RODS FILLED OUT AND REVIEWED JSA.
	7:30	10:00	2.50	WOR	39		P		CONTINUED RIH W/ 125-3/4", 111-7/8", 87-1" SPACED OUT RODS W/ 1-6', 1-2' X1" RODS. PU NEW POLISH ROD. SEATED PUMP PRESS AND STROKE TEST PUMP @ 1000 PSI HELD.
	10:00	12:00	2.00	RDMO	02		P		RD RIG SLID PUMPING UNIT. HANG OFF RODS PUT WELL ON PRODUCTION.

RECEIVED: Nov. 10, 2015

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: PENFIELD 2-8C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013520820000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5138 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 08 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		
✓ NOTICE OF INTENT Approximate date work will start: 8/20/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Please see attached proposed recompletion procedure along with current and post WBD's.

Approved by the
Utah Division of
Oil, Gas and Mining
August 11, 2016

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Linda Renken	713 997-5138	Sr. Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/10/2016

RECEIVED: Aug. 10, 2016

Penfield 2-8C4 Recom Summary Procedure

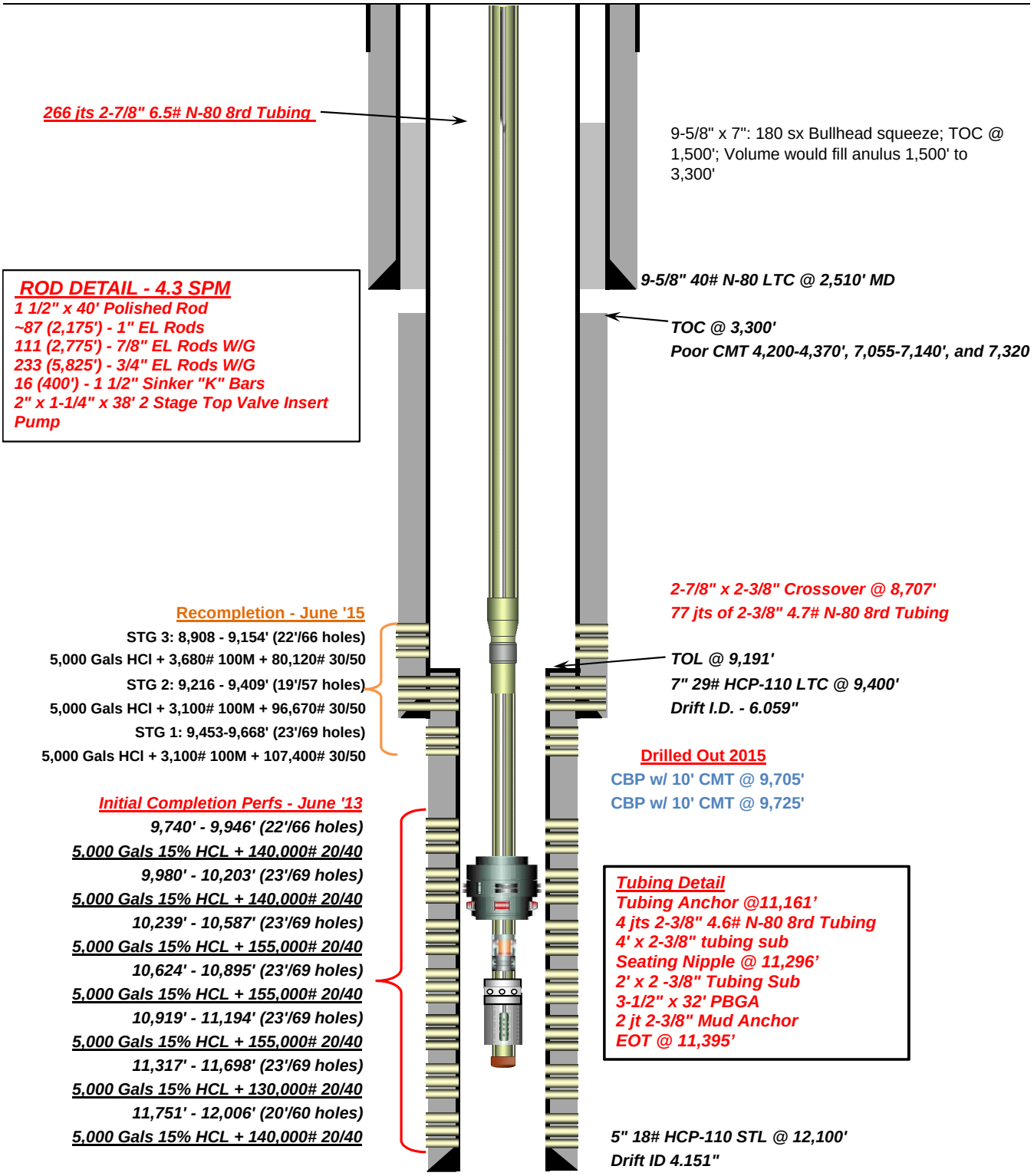
- POOH with rods and pump and tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing.
- Set CBP for 7" 29# casing @ 8,800' and dump bail 20' CMT on top of plug.
- Set CBP for 7" 29# casing @ 8,750' and dump bail 40' sand on top of plug.
- Stage 1:
  - Perforate new LGR interval from **8,424' – 8,642'.**
  - Prop Frac perforations with **135,000** lbs 30/50 prop (w/ **6,000** lbs 100 mesh & **8,000** gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 8,407'.
  - Perforate new LGR interval from **8,214' – 8,392'.**
  - Acid Frac Perforations with **20,000** gals 15% HCl acid (Stage 2 Recom).
- Clean out well drilling up (1) 7" CBP, leaving (2) 7" CBP @ 8,750' and 8,800' (with sand and cement). (PBTD @ 8,710'). Top perf BELOW plugs @ 8,908'.
- RIH w/ production tubing, pump, and rods.
- Clean location and resume production.

RECEIVED: Aug. 10, 2016

EP ENERGY

Schematic as of 11-1-15

Company Name:	EP Energy	**Last Updated:**	11/1/2015
Well Name:	Penfield 2-8C4	**By:**	Krug
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	12,100'
Surface Location:	Lat: 40° 14' 22.51055" N Long: 110° 21' 12.84521" W	**NHOW:**	
Producing Zone(s):	Wasatch	**Pick Up:**	



266 jts 2-7/8" 6.5# N-80 8rd Tubing

9-5/8" x 7": 180 sx Bullhead squeeze; TOC @ 1,500'; Volume would fill anulus 1,500' to 3,300'

ROD DETAIL - 4.3 SPM
1 1/2" x 40' Polished Rod
~87 (2,175') - 1" EL Rods
111 (2,775') - 7/8" EL Rods W/G
233 (5,825') - 3/4" EL Rods W/G
16 (400') - 1 1/2" Sinker "K" Bars
2" x 1-1/4" x 38' 2 Stage Top Valve Insert Pump

9-5/8" 40# N-80 LTC @ 2,510' MD

TOC @ 3,300'
Poor CMT 4,200-4,370', 7,055-7,140', and 7,320

2-7/8" x 2-3/8" Crossover @ 8,707'
77 jts of 2-3/8" 4.7# N-80 8rd Tubing

TOL @ 9,191'
7" 29# HCP-110 LTC @ 9,400'
Drift I.D. - 6.059"

Recompletion - June '15
STG 3: 8,908 - 9,154' (22'/66 holes)
5,000 Gals HCl + 3,680# 100M + 80,120# 30/50
STG 2: 9,216 - 9,409' (19'/57 holes)
5,000 Gals HCl + 3,100# 100M + 96,670# 30/50
STG 1: 9,453-9,668' (23'/69 holes)
5,000 Gals HCl + 3,100# 100M + 107,400# 30/50

Drilled Out 2015
CBP w/ 10' CMT @ 9,705'
CBP w/ 10' CMT @ 9,725'

Initial Completion Perfs - June '13
9,740' - 9,946' (22'/66 holes)
5,000 Gals 15% HCL + 140,000# 20/40
9,980' - 10,203' (23'/69 holes)
5,000 Gals 15% HCL + 140,000# 20/40
10,239' - 10,587' (23'/69 holes)
5,000 Gals 15% HCL + 155,000# 20/40
10,624' - 10,895' (23'/69 holes)
5,000 Gals 15% HCL + 155,000# 20/40
10,919' - 11,194' (23'/69 holes)
5,000 Gals 15% HCL + 155,000# 20/40
11,317' - 11,698' (23'/69 holes)
5,000 Gals 15% HCL + 130,000# 20/40
11,751' - 12,006' (20'/60 holes)
5,000 Gals 15% HCL + 140,000# 20/40

Tubing Detail
Tubing Anchor @11,161'
4 jts 2-3/8" 4.6# N-80 8rd Tubing
4' x 2-3/8" tubing sub
Seating Nipple @ 11,296'
2' x 2 -3/8" Tubing Sub
3-1/2" x 32' PBGA
2 jt 2-3/8" Mud Anchor
EOT @ 11,395'

5" 18# HCP-110 STL @ 12,100'
Drift ID 4.151"

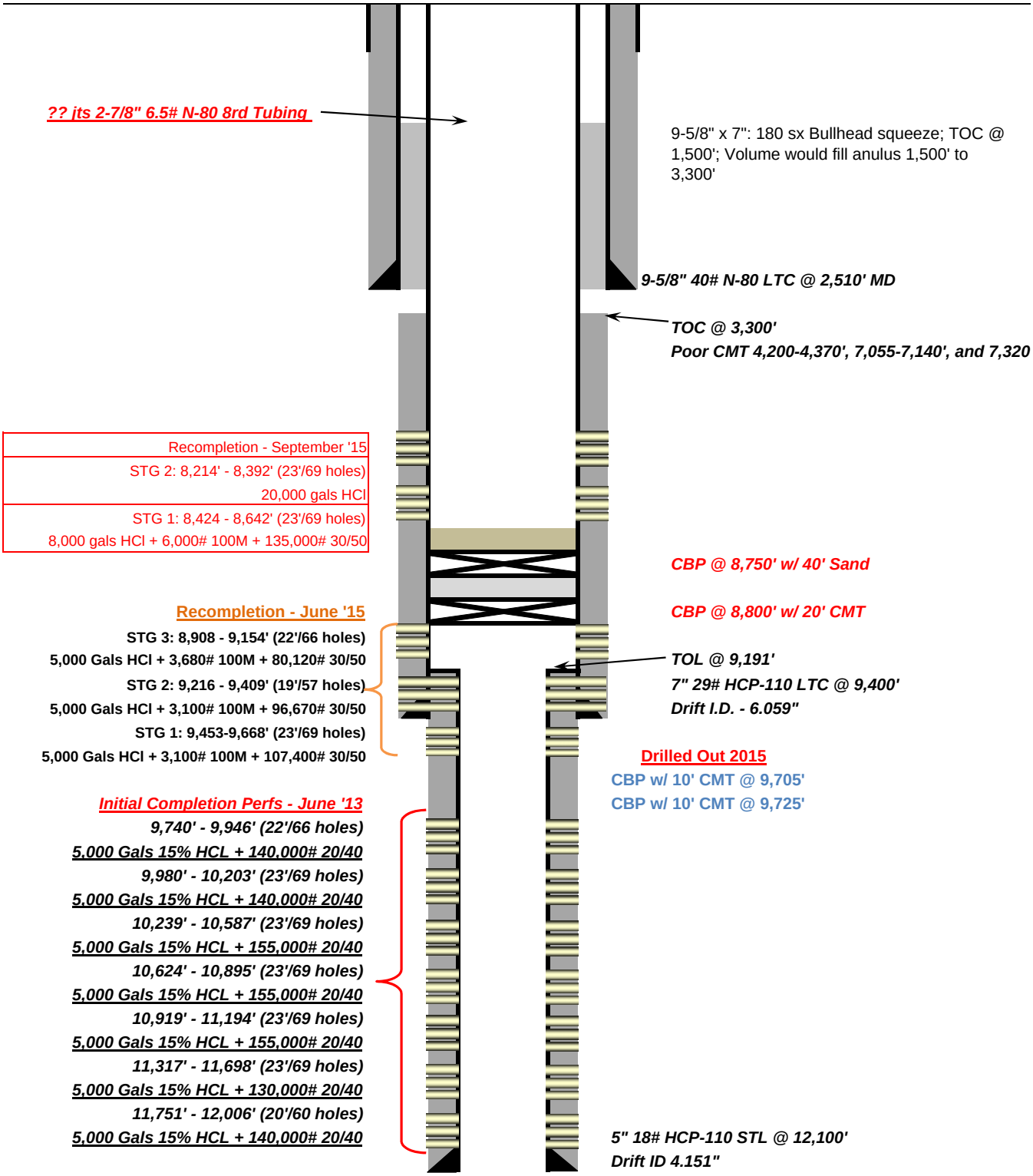
RECEIVED: Aug. 10, 2016

EP ENERGY

Proposed Recom Schematic as of 8/1/16

Company Name: EP Energy
Well Name: Penfield 2-8C4
Field, County, State: Altamont - Bluebell, Duchesne, Utah
Surface Location: Lat: 40° 14' 22.51055" N Long: 110° 21' 12.84521" W
Producing Zone(s): Wasatch

Last Updated: 8/8/2016
By: Krug
TD: 12,100'
NHOW:
Pick Up:



RECEIVED: Aug. 10, 2016

Reset Form

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

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER Recompletion

8. WELL NAME and NUMBER: Penfield 2-8C4

2. NAME OF OPERATOR: EP Energy E&P Company, L. P.

9. API NUMBER: 4301352082

3. ADDRESS OF OPERATOR: P.O. Box 4660 CITY Houston STATE TX ZIP 77210-4660

PHONE NUMBER: (713) 997-5138

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 900' FNL & 700' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 900' FNL & 700' FEL
AT TOTAL DEPTH: 900' FNL & 700' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 8 3S 4W U.S.B.& M.

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 5/12/2013

15. DATE T.D. REACHED: 6/9/2013

16. DATE COMPLETED: 9/24/2016 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6068

18. TOTAL DEPTH: MD 12,100 TVD 12,095

19. PLUG BACK T.D.: MD 8,710 TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD 8750' & 8800' TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Previously Submitted

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
Previously									
Submitted									

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	8,212							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Lower Green River	7,584	9,387	7,581	9,383
(B)			7581	9383
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(see page 3 for #27 information)			Open ☐ Squeezed ☐
	.38	57	Open ☐ Squeezed ☐
	.38	66	Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8750'	CBP with 40' Sand on top
8800'	CBP with 20' Cement on top (TOC ~8780')
8908-9154	5000 gals 15% HCL Acid, 3680# 100 Mesh, 96120# 30/50 TLC

29. ENCLOSED ATTACHMENTS:
Please see Page 3 for #29 Perf Treatment Information

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

30. WELL STATUS:
Producing

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Oct. 24, 2016

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:
9/24/2016	10/3/2016	24		605	177	77	rod pump

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:
0	93	786	35.00	1,291	0		605	177	77	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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
UGR	4,499
MGR	6,268
LGR	7,584
Wasatch	9,387

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) Linda Renken TITLE Sr. Regulatory Analyst

SIGNATURE Linda Renken Digitally signed by Linda Renken DN: cn=Linda Renken, o=EP Energy E&P Company, L.P., ou=HSER, email=linda.renken@epenergy.com, c=US Date: 2016.10.24 17:10:29 -05'00' DATE 10/24/2016

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Oct. 24, 2016

Attachment to Well Completion Report

Form 8 Dated: 10/24/2016

Well Name: Penfield 2-8C4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom–MD)	Hole Size	No. of Holes	Perf. Status
8216'-8403'	.38	66	Open
8436'-8650'	.38	69	Open

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

Depth Interval	Amount and Type of Material
8216'-8403'	23267 Gals 15% HCL Acid
8436'-8650'	8000 Gals 15% HCL Acid, 7220# 100 Mesh, 133280# 30/50 Prem Sand

RECEIVED: Oct. 24, 2016

CENTRAL DIVISION

ALTAMONT FIELD
PENFIELD 2-8C4
PENFIELD 2-8C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Oct. 24, 2016

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	PENFIELD 2-8C4		
Project	ALTAMONT FIELD	**Site**	PENFIELD 2-8C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	9/12/2016	**End date**	9/24/2016
Spud Date/Time	5/18/2013	**UWI**	PENFIELD 2-8C4
Active datum	KB @6,001.6usft (above Mean Sea Level)		
Afe No./Description	167172/57172 / PENFIELD 2-8C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
9/11/2016	6:00 7:30	1.50	WOR	28		P		TGSM & JSA (MIRU)
	7:30 9:30	2.00	MIRU	01		P		SLIDE UNIT, SPOT IN RU, ATTEMPT TO WORK OFF SEAT PARTED.
	9:30 13:30	4.00	WOR	39		P		L/D P ROD AND SUBS, POOH W/ 87 1", 111 7/8", 86 3/4" L/D 147 3/4" 16 WT BARS AND PULL ROD.
	13:30 19:00	5.50	WOR	16		P		C/O TO TBG EQ., INSTALL PERF SUB NU AND TEST 5K BOP EQUIPMENT AS PER SOP. RELEASE TAC, RIH W/ WIRE LINE AND PERFORATE TUBING @ 11,260'. POOH RD WIRE LINE. LAND TUBING ON HANGER BARRIER 1, SHUT PIPE RAMS BARRIER 2. SHUT OFF SIDE CASING VALVE BARRIER 1, NIGHT CAP BARRIER 2. SEND OFF SIDE TO FACILITIES. FLUSH TBG W/ 70 BBLS. INSTALL & SHUT TIW VALVE AND NIGHT CAP BARRIERS 1,2 . SDFWE, CT
9/12/2016	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
9/13/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEEETING ON SCANNING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30 12:00	4.50	WOR	39		P		RU SCANNERS. TOOH SCANNING W/ 266-JTS 2 7/8 L-80 EUE TBG. 258 YELLOW, 7 BLUE AND 1 RED, RD SCANNERS. LD 83 JTS 2 3/8 L-80 EUE TBG AND BHA.
	12:00 20:00	8.00	WLWORK	26		P		RU WIRELINE RIH W/ 5.8 GR/JB TO 8900'. RIH SET CBP @ 8800' MADE TO BAILER RUNS. DUMPED BAILED 20' CEMENT ON CBP. CLOSED IN WELL. CSG BARRIER 1 CBP BARRIER 2 BLIND RAMS CLOSED AND LOCKED. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/14/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON PRESSURE TESTING CASING. FILLED OUT AND REVIEWED JSA.
	7:30 8:30	1.00	WOR	06		P		0 CSIP. OPENED WELL. FILLED CSG W/ 252 BBLS 2% KCL. FLUID LEVEL ~6792'. PRESSURE TEST CBP @ 1500 PSI HELD.
	8:30 13:30	5.00	WLWORK	26		P		RU WIRELINE. RIH PRESSURE CSG TO 2000 PSI SET CBP @ 8750'. BLED OFF PRESSURE. RIH DUMPED BAILED SAND. ON SECOAND BAILER RUN GLASS BROKE AT SURFACE. BRIDGE OFF CSG @ 34'.
	13:30 15:30	2.00	WOR	06		N		RD WIRELINE. RIH W/ 3 1/2 X 2 7/8 SWAGE AND 20 JTS 2 7/8 L-80 EUE TBG. CIRCULATE WELL W/ 25 BBLS. TOOH W/ TBG AND SWAGE. RU WIRELINE.
	15:30 17:00	1.50	WLWORK	26		P		RIH AND DUMPED BAILED SAND ON TOP OF CBP @ 8750', TOTAL OF 40' SAND RD WIRELINE.

RECEIVED: Oct. 24, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	17:00	19:00	2.00	WBP	16		P		BARRIER 1 CBP, BARRIER 2 CBP. BARRIER 3 FLUID. INSTALLED HANGER W/ TWC. ND BOP. NU 7" MANUAL FRAC VALVE. PRESSURE TEST FRAC VALVE @8500 PSI HIGH AND 300 PSI LOW. PRESSURE TEST CSG @ 8000 PSI HELD. SDFN. CSG BARRIER 1 CBP, BARRIER 2 CBP. BARRIER 3 FLUID BARRIER 4 MANUAL FRAC VALVE. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS.
9/15/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON NIPPLING UP FRAC VALVES. FILLED OUT AND REVIEWED JSA.
	7:30	11:00	3.50	WOR	16		P		0 CSIP. NU 10M 7 1/16" HCR VALVE, GOAT HEAD, 10M 7 1/16' HCR VALVE AND WIRELINE ADAPTER FLANGE. PRESSURE TEST EACH SECTION @ 300 LOW AND 9500 PSI HIGH.
	11:00	12:30	1.50	WLWORK	21		N		NU WIRELINE BOP WIRELINE BROUGHT WRONG BOLTS. WAIT ON BOLTS,
	12:30	16:30	4.00	WLWORK	21		P		RU WIRELINE. PERFORATED STAGE # 1 FROM 8650' TO 8436'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF 23 NET FT, 69 SHOTS. ALL PERFS CORRELATED TO THE LONE WOLF CBL GR/CCL LOG DATED 6/24/2016. STARTING PRESSURE 1000 PSI, FINAL PRESSURE 700 PSI. RD WIRELINE CLOSED AND LOCKED ALL FRAC VALVES. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS.
9/16/2016	6:00	7:00	1.00	STG01	28		P		HELD SAFETY MEETING ON PRESSURE TESTING LINES. FILLED OUT AND REVIEWED JSA.
	7:00	9:00	2.00	STG01	35		P		PRESSURE TEST LINES @ 9500 PSI. OPENED UP WELL W/ 220 PSI. BREAK DOWN STAGE # 1 PERFS @ 3675 PSI, 12.4 BPM. TREATED PERFS W/ 8000 GALS 15% HCL ACID. FLUSHED TO BTM PERF W/ 320 BBLS. AVG RATE 38.2 BPM. MAX RATE 41.4. AVG PRESS 2255 PSI, MAX PRESS 2576 PSI. STEP RATE TEST SHOWED 43 PERFS OPEN. ISIP 1750, F.G. .638. 5 MIN 1582 PSI, 10 MIN 1389 PSI, 15 MIN 1232 PSI. PUMPED 7220 LBS 100 MESH IN 1/2 PPG STAGE AND 133280 LBS PREMIUM 30/50. IN .5#, 1#, 1.5#, 2# AND 3# STAGES. AVG RATE 71.9 BPM, MAX RATE 75.2 BPM. AVG PRESS 2683 PSI, MAX PRESS 3675 PSI. I.S.I.P. 2269 PSI. F.G. .699. 5 MIN 2031 PSI. 10 MIN 1870 PSI, 15 MIN 1726 PSI. SHUT WELL IN 4326 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE.
	9:00	14:00	5.00	STG02	21		P		RU WIRELINE. RIH SET CBP @ 8418' W/ 1000 PSI PERFORATED STAGE # 2 FROM 8403' TO 8216'. ALL PERFS CORRELATED TO LONE WOLF RADIAL SECTOR CBL, GAMMA RAY, CCL LOG RUN #1 DATED 06/24/2013. 22 NET FT. 66 SHOTS. USING 3 1/8" GUNS, 22.7 GM CHARGES, 3 SPF, 120 PHASING. STARTING PRESSURE 1000 PSI. FINAL PRESSURE 900 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW.
	14:00	15:30	1.50	STG02	35		P		OPENED WELL W/ 858 PSI. BREAK DOWN STAGE # 2 PERFS @ 3273 PSI 10.7 BPM. STEP RATE TEST SHOWED 27 OPEN PERFS. I.S.I.P. 1471 PSI F.G. .610. 5 MIN 941 PSI, 10 MIN 890 PSI, 15 MIN 864 PSI. TREATED PERFS W/ 23267 GALS 15% HCL ACID.DROPPED 90 BIO BALLS. 18 EVERY 3300 GALS. AVG RATE 50.5 BPM, MAX RATE 52.3 BPM. AVG PRESS 2485 PSI, MAX PRESS 4913 PSI. I.S.I.P. 1650 PSI, F.G. .632. 5 MIN 1366 PSI. SHUT IN WELL. 981 BBLS TO RECOVER. CLOSED AND LOCKED ALL FRAC VALVES 3 BARRIERS. CSG VALVES CLOSED AND NIGHT CAPS INSTALLED BARRIERS 1 AND 2.
	15:30	18:30	3.00	RDMO	02		P		RD WIRELINE. RD FRAC EQUIPMENT.
	18:30	6:00	11.50	FB	19		P		OPENED WELL @ 18:30 W/ 1050 PSI ON 12/64 CHOKE. 550 PSI ON 14/64 CHOKE. RECOVERED 0 MCF, 0 BBLS OIL AND 330 BBLS OF H2O
9/17/2016									

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		HELD SAFETY MEETING ON NIPPLING DOWN FRAC VALVES.FILLED OUT AND REVIEWED JSA.
	7:30	8:30	1.00	WOR	16		P		WELL FLOWING 550 PSI ON 14/64 CHOKE. ND TOP HCR VALVE AND GOATHEAD.
	8:30	6:00	21.50	FB	19		P		500 PSI ON 20/64 CHOKE. RECOVERED 0 MCF, 166 BBLS OIL AND 872 BBLS OF H2O.
9/18/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		425 PSI ON 22/64 CHOKE. RECOVERED 0 MCF, 606 BBLS OIL AND 480 BBLS OF H2O.
9/19/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		225 PSI ON 30/64 CHOKE. RECOVERED 0 MCF, 690 BBLS OIL AND 257 BBLS OF H2O.
9/20/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		AT 05:00 OPENED WELL TO FLOW BACK TANK. 50 PSI ON 64 /64 CHOKE. RECOVERED 0 MCF, 376 BBLS OIL AND 162 BBLS OF H2O.
9/21/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		WELL DIED SHUT WELL IN.
9/22/2016	6:00	6:00	24.00	WOR	18		P		SHUT DOWN FOR QUARTERLY MEETING
9/23/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY ON NIPPLING UP BOP AND ANNULAR. FILLED OUT AND REVIEWED JSA.
	7:30	10:30	3.00	WOR	16		P		350 CSIP. BLED DOWN WELL. ND NIGHT CAP AND 7" HCR VALVE. NU 7 1/16" 5M DOUBLE BOP AND 7 1/16" ANNULAR.PRESSURE TEST EACH SECTION @ 4000 PSI HIGH AND 250 PSI LOW. PRESUURE TEST TIW VALVE @ 4000 PSI HIGH AND 250 PSI LOW
	10:30	11:30	1.00	WOR	06		P		PUMPED 150 BBLS 2 % KCL. WELL ON VACUUM.
	11:30	15:00	3.50	WOR	39		P		TALLIED AND RIH W/ 6" BIT, BIT SUB AND 258-JTS 2 7/8 L-80 EUE TBG TAGGED CBP SET @ 8418' (8437' TBG TALLY) RU POWER SWIVEL
	15:00	19:00	4.00	WOR	10		P		PUMPED 15 BBLS BREAK REVERSE CIRCULATION DRILLED OUT CBP PUMPING 4 BPM AND RETURNING 3 BPM. CIRCULATE TBG CLEAN. CONTINUED RIH W/ 10 JTS 2 7/8 L-80 EUE TBG. TAGGED REMAINS OF CBP AND SAND @ 8690' FINISHED DRILLING CBP AND WASHED SAND DOWN TO 8710' (8730 TBG TALLY).CIRCULATE TBG CLEAN.
	19:00	20:00	1.00	WOR	39		P		RD POWER SWIVEL. LD 29-JTS 2 7/8 L-80 EUE TBG EOT @ 8117', CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER I TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/24/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30	11:30	4.00	WOR	39		P		TBG AND CSG ON VACUUM. OPENED WELL TOOH W/ 248-JTS 2 7/8 L-80 EUE TBG, BIT SUB AND 6" BIT. FLUSHING TUBING AS NEEDED W/ 80 BBLS 2% KCL.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	11:30 18:00	6.50	WOR	39		P		RIH W/ 5 3/4 NO-GO, 2-JTS 2 7/8 L-80 EUE TBG, 5 1/2 PBGA, 4'-27/8 N-80 EUE TBG SUB, 2'-2 7/8 N-80 EUE TBG SUB, MECH SN, 2 7/8 X 2 1/4" X 40' TBG PUMP BARREL AND 4' 2 7/8 N-80 EUE TBG SUB. RU HYDRO TESTER CONTINUE RIH HYDRO TESTING @ 8500' PSI W/ 4-JTS 2 7/8 L-80 EUE TBG, KLX 7" TAC AND 244-JTS 2 7/8 L-80 EUE TBG. FOUND NO LEAKS. RD HYDRO TESTER. SET TAC @ 7935', SN @ 8109' AND EOT @ 8213'. LANDED TBG W/ 4' 2 7/8 N-80 TBG SUB AND HANGER W/ 6' SUB ON TOPND ANNULAR. CLOSED IN WELL CSG BARRIER 1 HANGER, BARRIER 2 PIPE RAMS. TBG BARRIER 1 TIW VALVE. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND BARRIER 2. SDFN.
9/25/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON NIPPLING DOWN BOPE. FILLED OUT AND REVIEWED JSA.
	7:30 10:30	3.00	WOR	16		P		TBG AND CSG ON VACUUM. OPENED WELL NIPPLED DOWN BOP AND 7 1/16" MANUAL FRAC VALVE. REMOVED HANGER AND 4'-2 7/8 N-80 EUE TBG SUB. LANDED TBG W/ B-FLANGE IN 20M TENSION. FLUSHED TBG W/ 40 BBLS 2% KCL, DROPPED STANDING VALVE,PUMPED 40 BBLS 10# BRINE 10 GALS CORROSION INHIBITOR, 10 BBLS OF BRINE.
	10:30 13:00	2.50	WOR	39		P		RIH W/ 2 1/4" PLUNGER, 1 1/2" X 40' POLISH ROD, STAB SUB, 15-1 1/2" C-BARS, 86-3/4", 128-7/8", 88- 1". SPACED OUT RODS W/1-8' 1-4' X 1" SUBS. TBG WAS FULL PRESSURE AND STROKE TEST @ 1000 PSI .
	13:00 14:30	1.50	RDMO	02		P		RD RIG SLID IN ROTA-FLEX. PUT WELL ON PRODUCTION.

RECEIVED: Oct. 24, 2016

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:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: PENFIELD 2-8C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013520820000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5138 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 08 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		
✓ NOTICE OF INTENT Approximate date work will start: 12/20/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Drill out Plugs

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

Drill out CBP @ 8750 W/ 40' SAND and CBP @8800' W/ 20' CMT. Please let me know if additional data is needed.

Approved by the Utah Division of Oil, Gas and Mining
December 19, 2016
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Erik Hauser	713 997-6717	Sr EHS Specialist
SIGNATURE		**DATE**
N/A		12/19/2016

RECEIVED: Dec. 19, 2016

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:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
PENFIELD 2-8C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013520820000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-6717 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0900 FNL 0700 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENE Section: 08 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 12/22/2016	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Drill out Plugs

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

Please see attached operations summary reporting indicating plug drill out.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 01, 2017

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Erik Hauser	713 997-6717	Sr. HSER Specialist
SIGNATURE		**DATE**
N/A		1/17/2017

RECEIVED: Jan. 17, 2017

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	PENFIELD 2-8C4		
Project	ALTAMONT FIELD	**Site**	PENFIELD 2-8C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	9/12/2016	**End date**	9/24/2016
Spud Date/Time	5/18/2013	**UWI**	PENFIELD 2-8C4
Active datum	KB @6,001.6ft (above Mean Sea Level)		
Afe No./Description	167172/57172 / PENFIELD 2-8C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
9/11/2016	6:00	7:30	1.50	WOR	28		P		TGSM & JSA (MIRU)
	7:30	9:30	2.00	MIRU	01		P		SLIDE UNIT, SPOT IN RU, ATTEMPT TO WORK OFF SEAT PARTED.
	9:30	13:30	4.00	WOR	39		P		L/D P ROD AND SUBS, POOH W/ 87 1", 111 7/8", 86 3/4" L/D 147 3/4" 16 WT BARS AND PULL ROD.
	13:30	19:00	5.50	WOR	16		P		C/O TO TBG EQ., INSTALL PERF SUB NU AND TEST 5K BOP EQUIPMENT AS PER SOP. RELEASE TAC, RIH W/ WIRE LINE AND PERFORATE TUBING @ 11,260'. POOH RD WIRE LINE. LAND TUBING ON HANGER BARRIER 1, SHUT PIPE RAMS BARRIER 2. SHUT OFF SIDE CASING VALVE BARRIER 1, NIGHT CAP BARRIER 2. SEND OFF SIDE TO FACILITIES. FLUSH TBG W/ 70 BBLS. INSTALL & SHUT TIW VALVE AND NIGHT CAP BARRIERS 1,2 . SDFWE, CT
9/12/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SHUT DOWN FOR WEEK END
9/13/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEEETING ON SCANNING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30	12:00	4.50	WOR	39		P		RU SCANNERS. TOOH SCANNING W/ 266-JTS 2 7/8 L-80 EUE TBG. 258 YELLOW, 7 BLUE AND 1 RED, RD SCANNERS. LD 83 JTS 2 3/8 L-80 EUE TBG AND BHA.
	12:00	20:00	8.00	WLWORK	26		P		RU WIRELINE RIH W/ 5.8 GR/JB TO 8900'. RIH SET CBP @ 8800' MADE TO BAILER RUNS. DUMPED BAILED 20' CEMENT ON CBP. CLOSED IN WELL. CSG BARRIER 1 CBP BARRIER 2 BLIND RAMS CLOSED AND LOCKED. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/14/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON PRESSURE TESTING CASING. FILLED OUT AND REVIEWED JSA.
	7:30	8:30	1.00	WOR	06		P		0 CSIP. OPENED WELL. FILLED CSG W/ 252 BBLS 2% KCL. FLUID LEVEL ~6792'. PRESSURE TEST CBP @ 1500 PSI HELD.
	8:30	13:30	5.00	WLWORK	26		P		RU WIRELINE. RIH PRESSURE CSG TO 2000 PSI SET CBP @ 8750'. BLED OFF PRESSURE. RIH DUMPED BAILED SAND. ON SECOAND BAILER RUN GLASS BROKE AT SURFACE. BRIDGE OFF CSG @ 34'.
	13:30	15:30	2.00	WOR	06		N		RD WIRELINE. RIH W/ 3 1/2 X 2 7/8 SWAGE AND 20 JTS 2 7/8 L-80 EUE TBG. CIRCULATE WELL W/ 25 BBLS. TOOH W/ TBG AND SWAGE. RU WIRELINE.
	15:30	17:00	1.50	WLWORK	26		P		RIH AND DUMPED BAILED SAND ON TOP OF CBP @ 8750', TOTAL OF 40' SAND RD WIRELINE.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	17:00	19:00	2.00	WBP	16		P		BARRIER 1 CBP, BARRIER 2 CBP. BARRIER 3 FLUID. INSTALLED HANGER W/ TWC. ND BOP. NU 7" MANUAL FRAC VALVE. PRESSURE TEST FRAC VALVE @8500 PSI HIGH AND 300 PSI LOW. PRESSURE TEST CSG @ 8000 PSI HELD. SDFN. CSG BARRIER 1 CBP, BARRIER 2 CBP. BARRIER 3 FLUID BARRIER 4 MANUAL FRAC VALVE. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS.
9/15/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON NIPPLING UP FRAC VALVES. FILLED OUT AND REVIEWED JSA.
	7:30	11:00	3.50	WOR	16		P		0 CSIP. NU 10M 7 1/16" HCR VALVE, GOAT HEAD, 10M 7 1/16' HCR VALVE AND WIRELINE ADAPTER FLANGE. PRESSURE TEST EACH SECTION @ 300 LOW AND 9500 PSI HIGH.
	11:00	12:30	1.50	WLWORK	21		N		NU WIRELINE BOP WIRELINE BROUGHT WRONG BOLTS. WAIT ON BOLTS,
	12:30	16:30	4.00	WLWORK	21		P		RU WIRELINE. PERFORATED STAGE # 1 FROM 8650' TO 8436'. USING 3 1/8, 22.7 GM, 120 DEGREE PHASING, 3 SPF 23 NET FT, 69 SHOTS. ALL PERFS CORRELATED TO THE LONE WOLF CBL GR/CCL LOG DATED 6/24/2016. STARTING PRESSURE 1000 PSI, FINAL PRESSURE 700 PSI. RD WIRELINE CLOSED AND LOCKED ALL FRAC VALVES. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS.
9/16/2016	6:00	7:00	1.00	STG01	28		P		HELD SAFETY MEETING ON PRESSURE TESTING LINES. FILLED OUT AND REVIEWED JSA.
	7:00	9:00	2.00	STG01	35		P		PRESSURE TEST LINES @ 9500 PSI. OPENED UP WELL W/ 220 PSI. BREAK DOWN STAGE # 1 PERFS @ 3675 PSI, 12.4 BPM. TREATED PERFS W/ 8000 GALS 15% HCL ACID. FLUSHED TO BTM PERF W/ 320 BBLS. AVG RATE 38.2 BPM. MAX RATE 41.4. AVG PRESS 2255 PSI, MAX PRESS 2576 PSI. STEP RATE TEST SHOWED 43 PERFS OPEN. ISIP 1750, F.G. .638. 5 MIN 1582 PSI, 10 MIN 1389 PSI, 15 MIN 1232 PSI. PUMPED 7220 LBS 100 MESH IN 1/2 PPG STAGE AND 133280 LBS PREMIUM 30/50. IN .5#, 1#, 1.5#, 2# AND 3# STAGES. AVG RATE 71.9 BPM, MAX RATE 75.2 BPM. AVG PRESS 2683 PSI, MAX PRESS 3675 PSI. I.S.I.P. 2269 PSI. F.G. .699. 5 MIN 2031 PSI. 10 MIN 1870 PSI, 15 MIN 1726 PSI. SHUT WELL IN 4326 BBLS TO RECOVER. TURNED WELL OVER TO WIRELINE.
	9:00	14:00	5.00	STG02	21		P		RU WIRELINE. RIH SET CBP @ 8418' W/ 1000 PSI PERFORATED STAGE # 2 FROM 8403' TO 8216'. ALL PERFS CORRELATED TO LONE WOLF RADIAL SECTOR CBL, GAMMA RAY, CCL LOG RUN #1 DATED 06/24/2013. 22 NET FT. 66 SHOTS. USING 3 1/8" GUNS, 22.7 GM CHARGES, 3 SPF, 120 PHASING. STARTING PRESSURE 1000 PSI. FINAL PRESSURE 900 PSI. RD WIRELINE. TURNED WELL OVER TO FRAC CREW.
	14:00	15:30	1.50	STG02	35		P		OPENED WELL W/ 858 PSI. BREAK DOWN STAGE # 2 PERFS @ 3273 PSI 10.7 BPM. STEP RATE TEST SHOWED 27 OPEN PERFS. I.S.I.P. 1471 PSI F.G. .610. 5 MIN 941 PSI, 10 MIN 890 PSI, 15 MIN 864 PSI. TREATED PERFS W/ 23267 GALS 15% HCL ACID.DROPPED 90 BIO BALLS. 18 EVERY 3300 GALS. AVG RATE 50.5 BPM, MAX RATE 52.3 BPM. AVG PRESS 2485 PSI, MAX PRESS 4913 PSI. I.S.I.P. 1650 PSI, F.G. .632. 5 MIN 1366 PSI. SHUT IN WELL. 981 BBLS TO RECOVER. CLOSED AND LOCKED ALL FRAC VALVES 3 BARRIERS. CSG VALVES CLOSED AND NIGHT CAPS INSTALLED BARRIERS 1 AND 2.
	15:30	18:30	3.00	RDMO	02		P		RD WIRELINE. RD FRAC EQUIPMENT.
	18:30	6:00	11.50	FB	19		P		OPENED WELL @ 18:30 W/ 1050 PSI ON 12/64 CHOKE. 550 PSI ON 14/64 CHOKE. RECOVERED 0 MCF, 0 BBLS OIL AND 330 BBLS OF H2O
9/17/2016									

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	6:00	7:30	1.50	WOR	28		P		HELD SAFETY MEETING ON NIPPLING DOWN FRAC VALVES.FILLED OUT AND REVIEWED JSA.
	7:30	8:30	1.00	WOR	16		P		WELL FLOWING 550 PSI ON 14/64 CHOKE. ND TOP HCR VALVE AND GOATHEAD.
	8:30	6:00	21.50	FB	19		P		500 PSI ON 20/64 CHOKE. RECOVERED 0 MCF, 166 BBLS OIL AND 872 BBLS OF H2O.
9/18/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		425 PSI ON 22/64 CHOKE. RECOVERED 0 MCF, 606 BBLS OIL AND 480 BBLS OF H2O.
9/19/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		225 PSI ON 30/64 CHOKE. RECOVERED 0 MCF, 690 BBLS OIL AND 257 BBLS OF H2O.
9/20/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		AT 05:00 OPENED WELL TO FLOW BACK TANK. 50 PSI ON 64 /64 CHOKE. RECOVERED 0 MCF, 376 BBLS OIL AND 162 BBLS OF H2O.
9/21/2016	6:00	6:30	0.50	FB	28		P		HELD SAFETY MEETING ON FLOWBACK PROCEDURES. FILLED OUT AND REVIEWED JSA.
	6:30	6:00	23.50	FB	19		P		WELL DIED SHUT WELL IN.
9/22/2016	6:00	6:00	24.00	WOR	18		P		SHUT DOWN FOR QUARTERLY MEETING
9/23/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY ON NIPPLING UP BOP AND ANNULAR. FILLED OUT AND REVIEWED JSA.
	7:30	10:30	3.00	WOR	16		P		350 CSIP. BLED DOWN WELL. ND NIGHT CAP AND 7" HCR VALVE. NU 7 1/16" 5M DOUBLE BOP AND 7 1/16" ANNULAR.PRESSURE TEST EACH SECTION @ 4000 PSI HIGH AND 250 PSI LOW. PRESUURE TEST TIW VALVE @ 4000 PSI HIGH AND 250 PSI LOW
	10:30	11:30	1.00	WOR	06		P		PUMPED 150 BBLS 2 % KCL. WELL ON VACUUM.
	11:30	15:00	3.50	WOR	39		P		TALLIED AND RIH W/ 6" BIT, BIT SUB AND 258-JTS 2 7/8 L-80 EUE TBG TAGGED CBP SET @ 8418' (8437' TBG TALLY) RU POWER SWIVEL
	15:00	19:00	4.00	WOR	10		P		PUMPED 15 BBLS BREAK REVERSE CIRCULATION DRILLED OUT CBP PUMPING 4 BPM AND RETURNING 3 BPM. CIRCULATE TBG CLEAN. CONTINUED RIH W/ 10 JTS 2 7/8 L-80 EUE TBG. TAGGED REMAINS OF CBP AND SAND @ 8690' FINISHED DRILLING CBP AND WASHED SAND DOWN TO 8710' (8730 TBG TALLY).CIRCULATE TBG CLEAN.
	19:00	20:00	1.00	WOR	39		P		RD POWER SWIVEL. LD 29-JTS 2 7/8 L-80 EUE TBG EOT @ 8117', CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER I TIW VALVE, BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND 2. SDFN.
9/24/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30	11:30	4.00	WOR	39		P		TBG AND CSG ON VACUUM. OPENED WELL TOOH W/ 248-JTS 2 7/8 L-80 EUE TBG, BIT SUB AND 6" BIT. FLUSHING TUBING AS NEEDED W/ 80 BBLS 2% KCL.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	11:30	18:00	6.50	WOR	39		P		RIH W/ 5 3/4 NO-GO, 2-JTS 2 7/8 L-80 EUE TBG, 5 1/2 PBGA, 4'-27/8 N-80 EUE TBG SUB, 2'-2 7/8 N-80 EUE TBG SUB, MECH SN, 2 7/8 X 2 1/4" X 40' TBG PUMP BARREL AND 4' 2 7/8 N-80 EUE TBG SUB. RU HYDRO TESTER CONTINUE RIH HYDRO TESTING @ 8500' PSI W/ 4-JTS 2 7/8 L-80 EUE TBG, KLX 7" TAC AND 244-JTS 2 7/8 L-80 EUE TBG. FOUND NO LEAKS. RD HYDRO TESTER. SET TAC @ 7935', SN @ 8109' AND EOT @ 8213'. LANDED TBG W/ 4' 2 7/8 N-80 TBG SUB AND HANGER W/ 6' SUB ON TOPND ANNULAR. CLOSED IN WELL CSG BARRIER 1 HANGER, BARRIER 2 PIPE RAMS. TBG BARRIER 1 TIW VALVE. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS BARRIER 1 AND BARRIER 2. SDFN.
9/25/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON NIPPLING DOWN BOPE. FILLED OUT AND REVIEWED JSA.
	7:30	10:30	3.00	WOR	16		P		TBG AND CSG ON VACUUM. OPENED WELL NIPPLED DOWN BOP AND 7 1/16" MANUAL FRAC VALVE. REMOVED HANGER AND 4'-2 7/8 N-80 EUE TBG SUB. LANDED TBG W/ B-FLANGE IN 20M TENSION. FLUSHED TBG W/ 40 BBLS 2% KCL, DROPPED STANDING VALVE,PUMPED 40 BBLS 10# BRINE 10 GALS CORROSION INHIBITOR, 10 BBLS OF BRINE.
	10:30	13:00	2.50	WOR	39		P		RIH W/ 2 1/4" PLUNGER, 1 1/2" X 40' POLISH ROD, STAB SUB, 15-1 1/2" C-BARS, 86-3/4", 128-7/8", 88- 1". SPACED OUT RODS W/1-8' 1-4' X 1" SUBS. TBG WAS FULL PRESSURE AND STROKE TEST @ 1000 PSI .
	13:00	14:30	1.50	RDMO	02		P		RD RIG SLID IN ROTA-FLEX. PUT WELL ON PRODUCTION.
12/20/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) MIRU WOR
	7:00	8:30	1.50	MIRU	01		P		ROAD WOR FROM 1-13C5 TO 2-8C4, SLIDE ROTA FLEX BACK, MIRU WOR,
	8:30	10:30	2.00	PRDHEQ	18		P		WHILE LOADING WATER THE HOT OILER TRANSMISSION BROKE, FIXED TRANSMISSION AND TRUCK WAS FROZEN UP, THAW OUT TRUCK.
	10:30	11:30	1.00	PRDHEQ	18		P		PUMP 60 BBLS HOT 2% KCL DOWN CSG, BLED OFF TBG.
	11:30	14:30	3.00	PRDHEQ	39		P		L/D POL ROD & SUBS, TOOH W/ 88-1", 128-7/8", 86-3/4", L/D 15 - 1 1/2" WB, 2' STABILIZER SUB & POL ROD, 2 1/4" PLUNGER UNSCREWED FROM THE BOTTOM POL ROD LEAVING PLUNGER IN THE HOLE, STEAM OFF ROD EQUIP & WH.
	14:30	16:00	1.50	PRDHEQ	16		P		X-O TO TBG EQUIP, TIE BACK, ND 10K B-FLANGE, P/U 6' SUB & TBG HANGER, LAND TBG, NU SPOOL & BOPE, R/U WORK FLOOR & TONGS, RELEASE 7" TAC @ 7932'.
	16:00	17:30	1.50	WLWORK	21		P		MIRU THE PERFORATORS, RIH PERF TBG W/ 4 SHOTS @ 8070', FLUSH TBG W/ 40 BBLS HOT 2% KCL WHILE POOH, RDMO WL TRUCK.
	17:30	19:00	1.50	PRDHEQ	16		P		R/D WORK FLOOR, ND C & J BOPE & SPOOL, NU WTHRD BOPE & HYDRILL, CSG TO SALES, INSTALL TIW VALVE IN TBG, PLUGGED, SDFN.
12/21/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) TESTING BOP EQUIPMENT
	7:00	9:30	2.50	PRDHEQ	36		P		CSG & TBG SIP 25 PSI, BLOW DOWN WELL, INSTALL 4' PERF SUB UNDER HANGER LAND TBG, MIRU TESTER, TEST 5K BOP & HYDRILL EQUIP AS PER SOP.
	9:30	10:00	0.50	PRDHEQ	18		P		FLUSH TBG W/ 40 BBLS HOT 2% KCL.
	10:00	13:00	3.00	PRDHEQ	39		P		L/D TBG HANGER & PERF SUB, TOOH W/ 242 JTS 2 7/8" L-80 TBG, 7" TAC, 3 JTS 2 7/8", L/D PERF JT, 4' X 2 7/8", 2 7/8" X 2 1/4" X 40' PUMP BARREL, MECH SN, 2' X 2 7/8" SUB, 2' X 2 7/8" SUB, 5 1/2" PBGA, 2 JTS 2 7/8" & 5 3/4" NO/GO.
	13:00	16:15	3.25	PRDHEQ	39		P		TIH TALLEY W/ 6" BIT, BIT SUB, 245 JTS 2 7/8" L-80 TBG, P/U 23 JTS NEW 2 7/8" TBG TAG SAND @ 8718',

RECEIVED: Jan. 17, 2017

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	16:15	19:30	3.25	PRDHEQ	10		P		R/U POWER SWIVEL, PUMPED 715 BBLS 2% KCL DOWN CSG AND DID NOT GET CIRCULATION, CSG ON A VACUUM, R/D SWIVEL, TOOH W/ 24 JTS 2 7/8" TBG, EOT @ 8145' CLOSE & LOCK PIPE RAMS & HYDRILL, INSTALL TIW VALVE IN TBG PLUGGED, SDFN.
12/22/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) ICY SURFACES
	7:00	11:00	4.00	PRDHEQ	39		P		WELL WAS ON A VACUUM, TIH W/ 16 JTS 2 7/8", R/U POWER SWIVEL, R/U 2nd RIG PUMP, WAIT ON 1000 BBL TANK, SPOT IN TANK, FILL TANK W/ 2% KCL BEFORE PUMPING
	11:00	21:00	10.00	PRDHEQ	10		P		PUMPED 560 BBLS 2% KCL @ 12 BPM & 6 BUCKETS OF POLYMER TO GET CIRCULATION, CLEAN OUT 40' OF SAND DRILL UP 7" CBP @ 8750', DRILL UP 20' CEMENT & 2nd CBP @ 8800', LOST CIRCULATION ,R/D SWIVEL PUSH TO LINER TOP, R/U SWIVEL, DRILL ON REMAINS OF CBP PUMPIMG 5 BPM R/D SWIVEL TOOH ABOVE PERFS W/ 32 JTS 2 7/8" EOT @ 8191', CLOSE & LOCK PIPE RAMS & HYDRILL, INSTALL TIW VALVE IN TBG W/ NIGHT CAP, DRAIN PUMPS & LINES, SDFN
12/23/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) PERFORATE TUBING
	7:00	9:30	2.50	PRDHEQ	39		P		CSIP 185 PSI, R/U BLED OFF LINE, BLOW DOWN CSG, TOOH W/ 8 JTS 2 7/8" AND TBG WAS FULL OF OIL, R/U HOT OILER ATTEMPT TO FLUSH TBG PRESSURED UP TO 3200 PSI, BIT PLUGGED, RIH TO 8315', 100' INTO PERFS.
	9:30	11:15	1.75	WLWORK	39		P		MIRU THE PERFORATORS, RIH PERF TBG @ 8300' W/ TITAN 3.0 GRAM CHARGE, TBG ON VACUUM, POOH, RDMO WL TRUCK.
	11:15	12:00	0.75	PRDHEQ	18		P		R/U HOT OILER, FLUSH TBG W/ 55 BBLS HOT 2% KCL.
	12:00	14:00	2.00	PRDHEQ	39		P		TOOH W/ 274 JTS 2 7/8" L-80 TBG, L/D BIT SUB & 6" BIT
	14:00	17:30	3.50	PRDHEQ	39		P		X-O TO 2 3/8" EQUIP, RIH W/ 4 1/8" BIT, BIT SUB, P/U 94 JTS 2 3/8" YB TBG, 2 3/8" X 2 7/8" X-O, TIH W/ 187 JTS 2 7/8" L-80 TBG, EOT @ 9109', CLOSE & LOCK PIPE RAMS & HYDRILL, INSTALL TIW VALVE IN TBG W/ NIGHT CAP, SDFN.
12/24/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) DRILLING OUT PLUGS
	7:00	8:00	1.00	PRDHEQ	39		P		CSIP 150 PSI, TSIP 100 PSI, BLED OFF WELL, RIH W/ 2 JTS 2 7/8" TAG REMAINS OF CBP, R/U SWIVEL.
	8:00	19:00	11.00	PRDHEQ	10		P		PRIME PUMPS, START PUMPING 2% KCL DOWN CSG, TOOK 384 BBLS TO GET CIRCULATION, DRILL UP REMAINS OF 7" CBP AT LINER TOP CIRCULATE BTM UP, MAKE CONNECTION, DON'T SEE CBP, R/D SWIVEL, TIH W/ 74 JTS TAGGED FILL @ 11,863', L/D 8 JTS 2 7/8", TIH W/ 8 JTS 2 7/8", R/U SWIVEL, BREAK CIRCULATION, C/O SAND TO 12,046', CIRCULATE HOLE CLEAN, R/D SWIVEL, TOOH W/ 93 JTS 2 7/8" TBG, CLOSE & LOCK PIPE RAMS & HYDRILL, INSTALL TIW VALVE IN TBG, INSTALL NIGHT CAP ALL VALVE, SDFHW.
12/25/2016	6:00	6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFHW.
12/26/2016	6:00	6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFHW.
12/27/2016	6:00	6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFHW.
12/28/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) LAY DOWN TUBING
	7:00	8:30	1.50	PRDHEQ	18		P		TSIP 50 PSI, CSIP 100 PSI, BLED OFF WELL, R/U HOT OILER, FLUSH TBG W/ 50 BBLS HOT 2% KCL.
	8:30	12:45	4.25	PRDHEQ	39		P		TOOH W/ 184 JTS 2 7/8" L-80 TBG, LAY DOWN 96 JTS 2 3/8", BIT SUB & 4 1/8" BIT, FLUSH TBG AS NEEDED TO HYDRO TEST TBG.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	12:45	17:30	4.75	PRDHEQ	39		P		TIH W/ 5 3/4" NO/GO, 2 JTS 2 7/8", 5 1/2" PBGA, 2' X 2 7/8" SUB, MIRU GOSLIN, TIH HYDRO TESTING TBG TO 8500 PSI W/ PSN, 4' X 2 7/8" SUB, 4 JTS 2 7/8", 7" KLX TAC, 154 JTS 2 7/8" L-80, R/D TESTER, CLOSE & LOCK PIPE RAMS & HYDRILL, INSTALL TIW VALVE IN TBG W/ NIGHT CAPS ON ALL VALVES, SDFN.
12/29/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) SLIPS, TRIPS & FALLS
	7:00	11:30	4.50	PRDHEQ	39		P		TSIP 50 PSI, CSIP 50 PSI, BLED OFF WELL, R/U HYDRO TESTER, TIH W/ 118 JTS 2 7/8" L-80 TBG, RDMO TESTER, SET 7" KLX TAC @ 8859', LAND TBG ON HANGER
	11:30	13:30	2.00	PRDHEQ	16		P		R/D TONGS & WORK FLOOR, N/D HYDRILL & BOPE, TAKE OUT 6' SUB, LAND TBG IN 20K TENSION, NU B-FLANGE & PUMP TEE, X-O TO ROD EQUIP
	13:30	14:15	0.75	PRDHEQ	18		P		R/U HOT OILER, FLUSH TBG W/ 60 BBLS HOT 2% KCL & SPOT ROD CHEMICAL.
	14:15	17:30	3.25	PRDHEQ	39		P		P/U PRIME 2 1/2" X 1 3/4" X 40' HF PUMP, TIH W/ PUMP, 17 - 1 1/2" C-BARS, 86-3/4", P/U 25 NEW 3 /4" W/G, (111-3/4"),TIH W/ 128-7/8", L/D 15-7/8" FOR WEAR ON ROD GUIDES, P/U 9 NEW 7/8" W/G, (122-7/8"), P/U POL ROD, SECURE WELL, CSG TO SALES, SDFN.
12/30/2016	6:00	7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) ROD JOBS & PICK UP RODS
	7:00	7:45	0.75	PRDHEQ	17		P		TSIP 50 PSI, BLED OFF TBG, R/U HOT OILER, FLUSH TBG W/ 50 BBLS HOT 2% KCL.
	7:45	9:30	1.75	PRDHEQ	39		P		CONTINUE TIH W/ 75-1" RODS, L/D 6-1" FOR WORN GUIDES, PU 28 NEW 1" W/G, CIH W/ 6 SLK 1" RODS, SPACE OUT W/ 2', 4', 8' SUBS, P/U NEW 1 1/2' X 40' POL ROD, SEAT PUMP @ 8998'.
	9:30	10:00	0.50	PRDHEQ	18		P		FILL TBG W/ 15 BBLS 2% KCL, PRESSURE & STROKE TEST PUMP TO 1000 PSI, GOOD TEST, FLUSH FLOW LINE W/ 25 BBLS HOT 2% KCL.
	10:00	11:00	1.00	RDMO	02		P		R/D WOR, SLIDE IN ROTA FLEX, HANG OFF RODS, TWOTO, CLEAN LOCATION, MOVE OFF.