


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 Lake Fork Ranch 4-2B4								
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ALTAMONT								
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME								
6. NAME OF OPERATOR EP ENERGY E&P COMPANY, L.P.						7. OPERATOR PHONE 713 997-5038								
8. ADDRESS OF OPERATOR 1001 Louisiana, Houston, TX, 77002						9. OPERATOR E-MAIL maria.gomez@epenergy.com								
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>								
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Lake Fork Ranch						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-454-3546								
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') HC 65 Box 510048, Mountain Home, UT 84051						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')								
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>								
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN		
LOCATION AT SURFACE		1602 FSL 2375 FEL		NWSE		2		2.0 S		4.0 W		U		
Top of Uppermost Producing Zone		1890 FSL 2040 FEL		NWSE		2		2.0 S		4.0 W		U		
At Total Depth		1890 FSL 2040 FEL		NWSE		2		2.0 S		4.0 W		U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1602			23. NUMBER OF ACRES IN DRILLING UNIT 640								
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1200			26. PROPOSED DEPTH MD: 14072 TVD: 14050								
27. ELEVATION - GROUND LEVEL 6228			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	17.5	13.375	0 - 1000	54.5	J-55 ST&C	8.8	Class G	1241	1.15	15.8				
SURF	12.25	9.625	0 - 6100	40.0	N-80 LT&C	9.6	Type V	913	3.16	11.0				
							Class G	194	1.31	14.3				
I1	8.75	7	0 - 11022	29.0	HCP-110 LT&C	11.0	Class G	272	2.31	12.0				
							Class G	166	1.65	13.0				
L1	6.125	5	10822 - 14072	18.0	HCP-110 LT&C	14.0	Unknown	205	1.38	14.6				
ATTACHMENTS														
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES														
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN								
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP								
NAME Maria S. Gomez			TITLE Principal Regulatory Analyst			PHONE 713 997-5038								
SIGNATURE			DATE 12/09/2013			EMAIL maria.gomez@epenergy.com								
API NUMBER ASSIGNED 43013527220000			APPROVAL  Permit Manager											

**Lake Fork Ranch 4-2B4
Sec. 2, T2S, R4W
DUCHESNE COUNTY, UT**

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	6,080' TVD
Green River (GRTN1)	7,137' TVD
Mahogany Bench	8,106' TVD
L. Green River	9,473' TVD
Wasatch	10,925' TVD
T.D. (Permit)	14,050' TVD / 14,072' MD

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	6,080' TVD
	Green River (GRTN1)	7,137' TVD
	Mahogany Bench	8,106' TVD
Oil	L. Green River	9,473' TVD
Oil	Wasatch	10,925' TVD

3. Pressure Control Equipment: (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 1000' MD/TVD. A 4.5" by 13-3/8" Diverter System w/ Rotating Head from 1000' MD/TVD to 6,100' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams used from 6,100' MD/TVD to 11,022' MD/ 11,000' TVD. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams used from 11,022' MD/ 11,000' TVD to TD (14,072' MD/ 14,050' TVD).

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

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing

will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from surface shoe to TD. The BOPE will be hydraulically operated.

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

Statement on Accumulator System and Location of Hydraulic Controls:

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

Auxiliary Equipment:

- A) Pason Gas Monitoring 1000' - TD
- B) Mud logger with gas monitor – 6,100' 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 centrifuge

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

Please refer to the attached Wellbore Diagram.

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

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

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

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.6
Intermediate	WBM	9.6 – 11.0
Production	WBM	11.5 – 14.0

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: 6,100' MD/TVD – TD

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

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 14,050' TVD equals approximately 10,228 psi. This is calculated based on a 0.728 psi/ft gradient (14.0 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 7,137 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 11,000' TVD = 8,800 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 7,137 psi.

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

DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	1000	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	6100	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	11022	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	10822	14072	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		1000	Class G + 3% CACL2	1241	100%	15.8 ppg	1.15
SURFACE	Lead	5,600	EXTENDACEM SYSTEM: Type V Cement + 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 8% Bentonite + 0.3% D-AIR 5000	913	75%	11.0 ppg	3.16
	Tail	500	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.35% HR-5 + 0.3% D-Air 5000	194	50%	14.3 ppg	1.31
INTERMEDIATE	Lead	3,822	EXTENDACEM SYSTEM: Class G Cement + 10% Bentonite + 0.1% SA-1015 + 0.2% Econolite + 0.2% Halad-322 + 3 lbm/sk Silicalite Compacted + 1 lbm/sk Granulite TR 1/4 + 0.125 lbm/sk Poly-E-Flake + 5 lbm/sk Kwik Seal + 0.8% HR-5	272	10%	12.0 ppg	2.31
	Tail	1,600	BONDCEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 5 lbm/sk Silicalite Compacted + 0.15% SA-1015 + 0.5% HR-5	166	10%	13.0 ppg	1.65
PRODUCTION LINER		3,250	EXTENDACEM (TM) SYSTEM: 0.3% Super CBL + 0.1% SA-1015 + 0.3% Halad(R)-413 + 0.75% SCR-100 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SSA-1	205	25%	14.60	1.38

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 9,400'.
LINER	Float shoe, 1 joint, float collar, 1 joint, landing collar. Thread lock all FE. Maker joints every 1000'.

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

MANAGER: Bob Dodd

EP ENERGY E&P COMPANY, L.P.
LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.

PROCEED WEST ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH 15500 WEST STREET IN ALTAMONT, UTAH APPROXIMATELY 2.40 MILES TO AN INTERSECTION;

TURN LEFT AND TRAVEL SOUTHEASTERLY ON A GRAVEL ROAD 0.85 MILES TO AN INTERSECTION;

TURN LEFT AND TRAVEL EASTERLY THEN SOUTHEASTERLY 1.26 MILES ON A GRAVEL ROAD TO THE PROPOSED WELL LOCATION;

TOTAL DISTANCE FROM ALTAMONT, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 4.56 MILES.

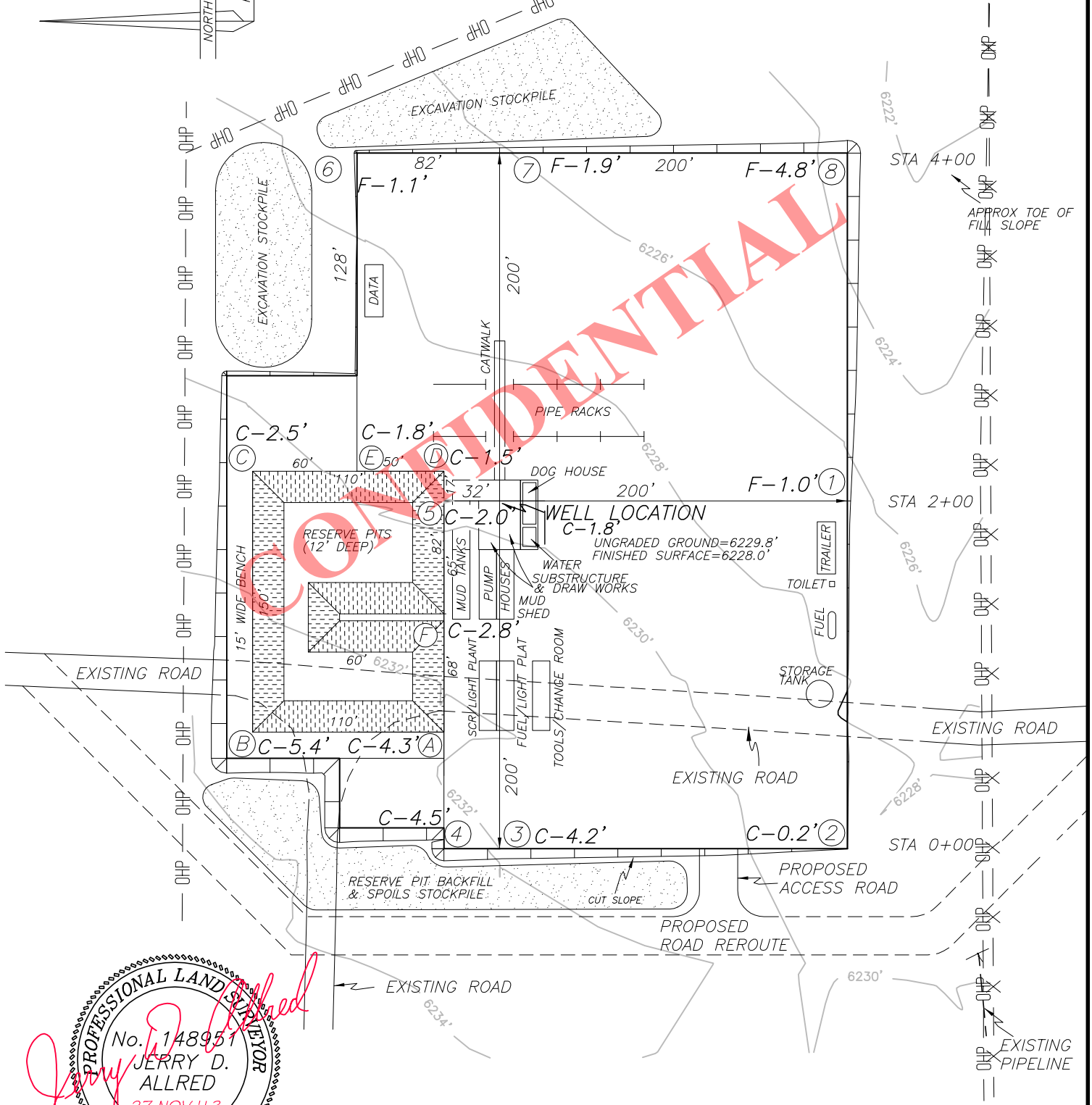
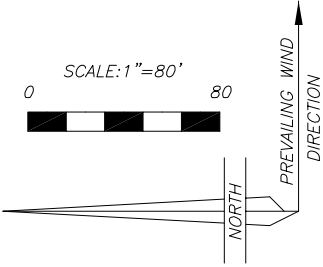
CONFIDENTIAL

EP ENERGY E&P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.
1602' FSL, 2375' FEL

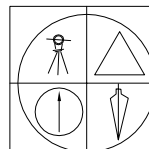
SCALE: 1"=80'
0 80



Jerry D. Allred
PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
27 NOV '13
STATE OF UTAH

REV 27 NOV 2013
4 NOV 2013

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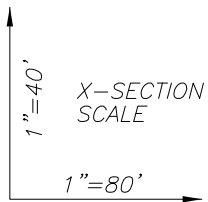
JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

RECEIVED: May 15, 2014

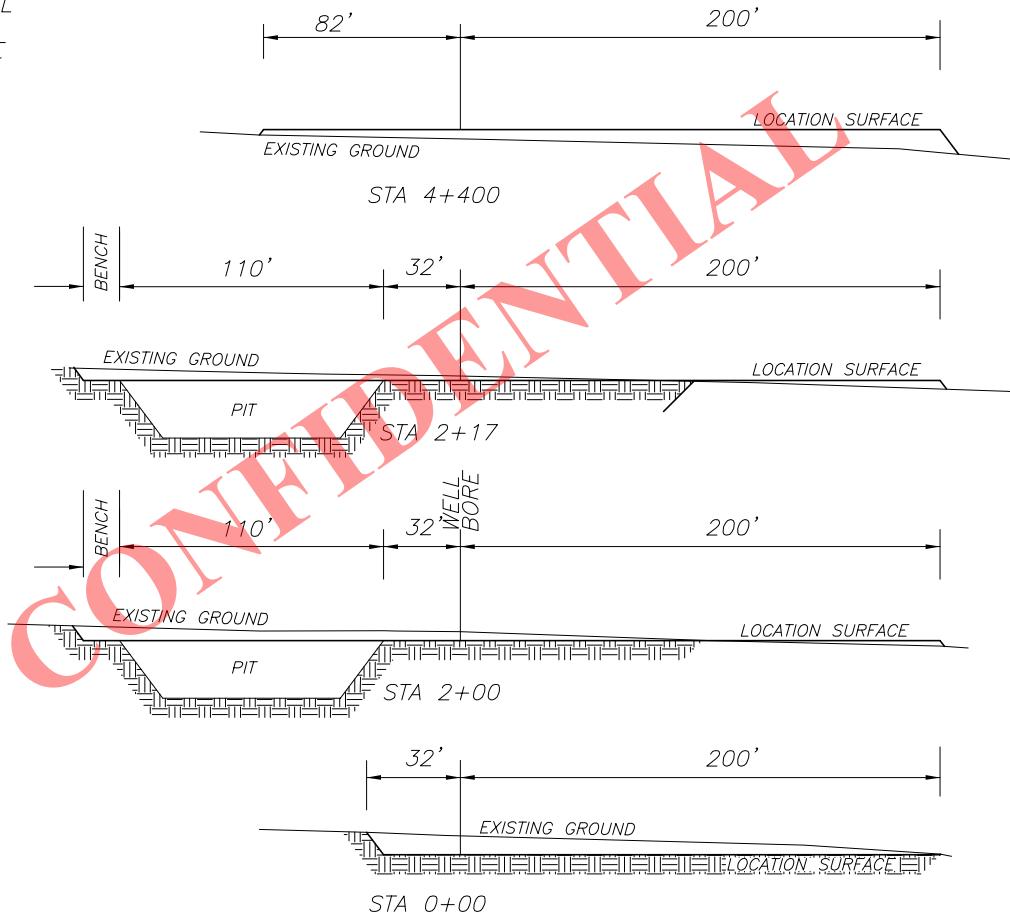
EP ENERGY E&P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.
1602' FSL, 2375' FEL



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



APPROXIMATE YARDAGES

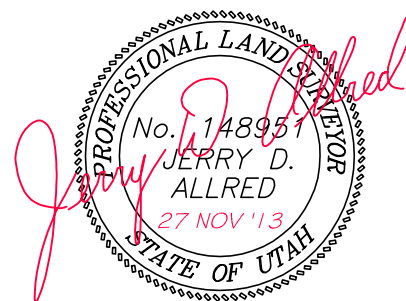
TOTAL CUT (INCLUDING PIT) = 13,397 CU. YDS.

PIT CUT = 4955 CU. YDS.
TOPSOIL STRIPPING: (6") = 2507 CU. YDS.
REMAINING LOCATION CUT = 5935 CU. YDS

TOTAL FILL = 3726 CU. YDS.

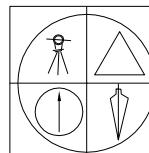
LOCATION SURFACE GRAVEL= 1578 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL= 215 CU. YDS.



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4 NOV 2013

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JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

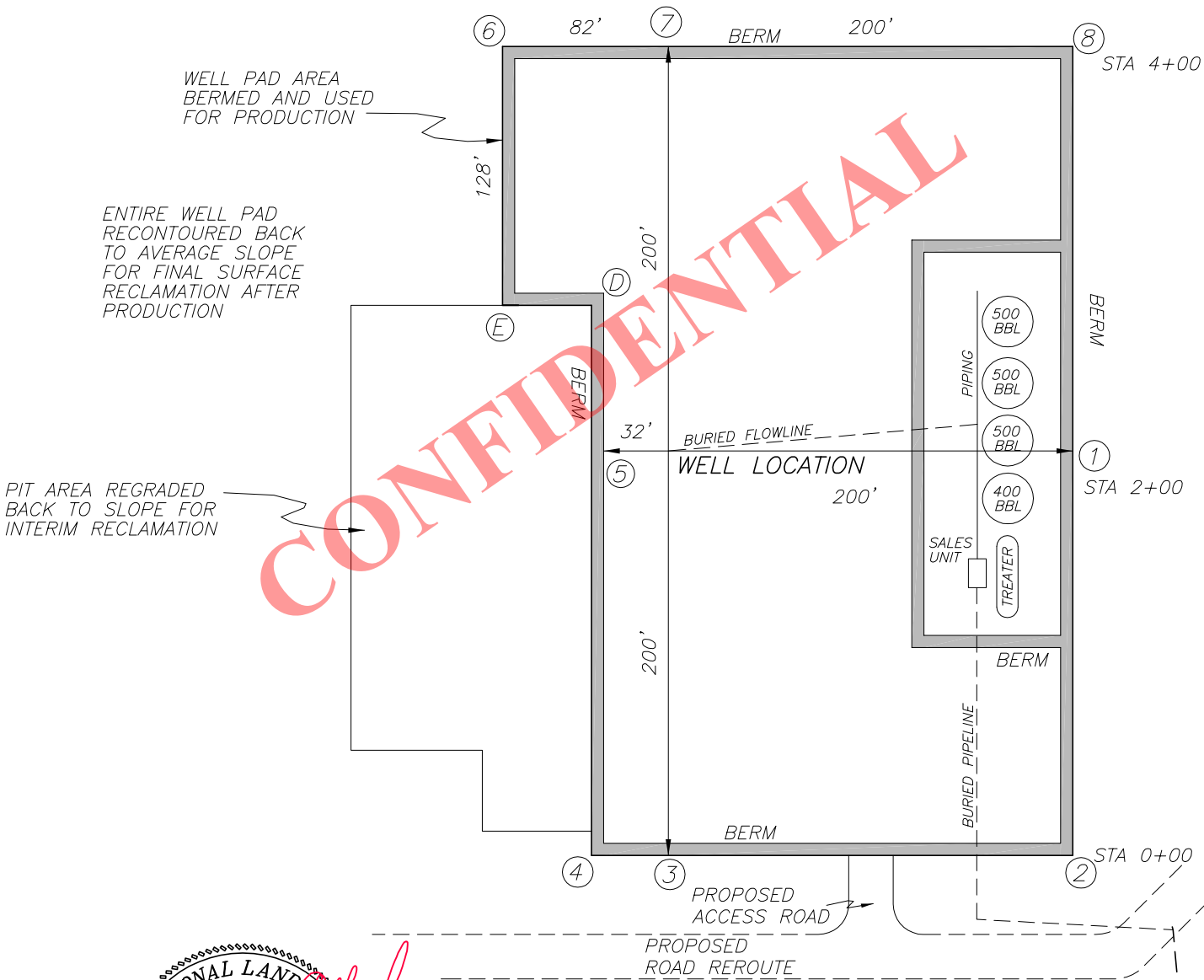
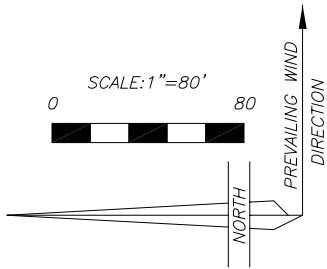
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DUCHESNE, UTAH 84021
(435) 738-5352

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EP ENERGY E&P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.
1602' FSL, 2375' FEL



CONFIDENTIAL

Jerry D. Allred

PROFESSIONAL LAND SURVEYOR
 No. 148951
 JERRY D. ALLRED
 27 NOV '13
 STATE OF UTAH

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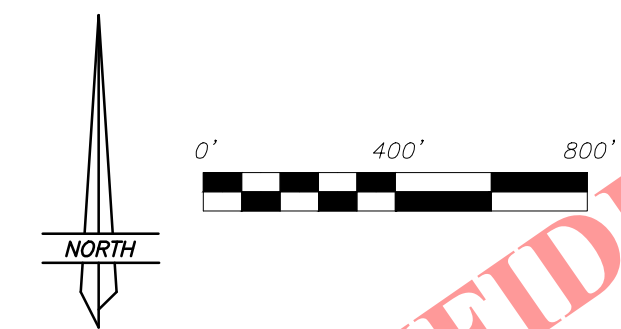
	JERRY D. ALLRED & ASSOCIATES SURVEYING CONSULTANTS 1235 NORTH 700 EAST--P.O. BOX 975 DUCHESNE, UTAH 84021 (435) 738-5352
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LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE
CORRIDOR RIGHT-OF-WAY SURVEY FOR
EP ENERGY E&P COMPANY, L.P.
LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

POSITION OF QUARTER
CORNER DETERMINED
ON PREVIOUS SURVEY



N 00°08'07" E 2984.21' (top vertical line)
N 89°54'22" E 2640.62' (top horizontal line)
N 89°54'22" E 2647.14' (top horizontal line)

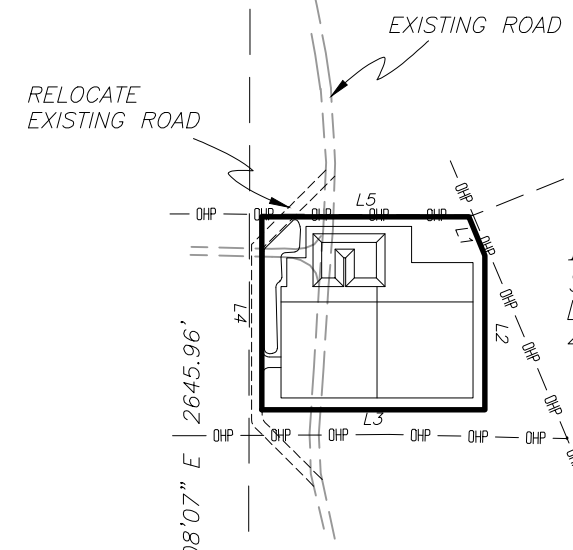
FOUND OLD CORNER
POST AT QUARTER

N 00°04'58" E 2640.56'

USE AREA BOUNDARY DESCRIPTION

Commencing at the East Quarter Corner of Section 2, Township 2 South, Range 4 West of the Uintah Special Base and Meridian;
Thence South 68°19'39" West 2359.21 feet to the TRUE POINT OF BEGINNING;
Thence South 22°47'18" East 87.39 feet;
Thence South 00°00'36" East 321.42 feet;
Thence South 89°59'24" West 465.00 feet;
Thence North 00°00'36" West 402.00 feet;
Thence North 89°59'24" East 431.16 feet to the TRUE POINT OF BEGINNING, containing 4.26 acres.

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 A CONTROL POINT LOCATED AT LAT. 40°21'33.56882"N AND LONG. 110°16'31.53266"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER



EP ENERGY E&P CO, L.P.
SURFACE USE AREA
LAKE FORK RANCH 4-2B4
4.26 ACRES

LINE	BEARING	DISTANCE
L1	S 22°47'18" E	87.39'
L2	S 00°00'36" E	321.42'
L3	S 89°59'24" W	465.00'
L4	N 00°00'36" W	402.00'
L5	N 89°59'24" E	431.16'

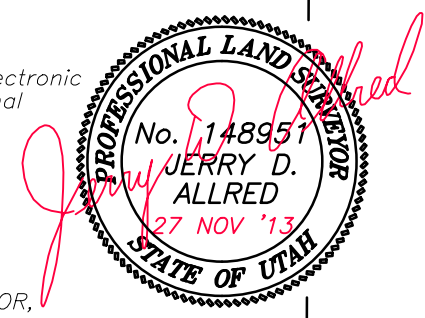
N 00°08'07" E 2645.96'

N 00°19'10" E 2646.80'

SURVEYOR'S CERTIFICATE

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

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



POSITION OF SECTION
CORNER DETERMINED
ON PREVIOUS SURVEY

SEC 3 SEC 2

SEC 10 SEC 11

FOUND COUNTY
MONUMENT AT
SECTION CORNER

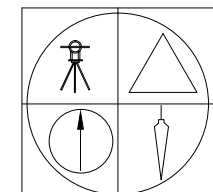
S 89°58'37" E 2638.18'

FOUND COUNTY
MONUMENT AT
SECTION CORNER

N 89°55'23" E 2638.63'

SEC 2 SEC 1

SEC 11 SEC 12

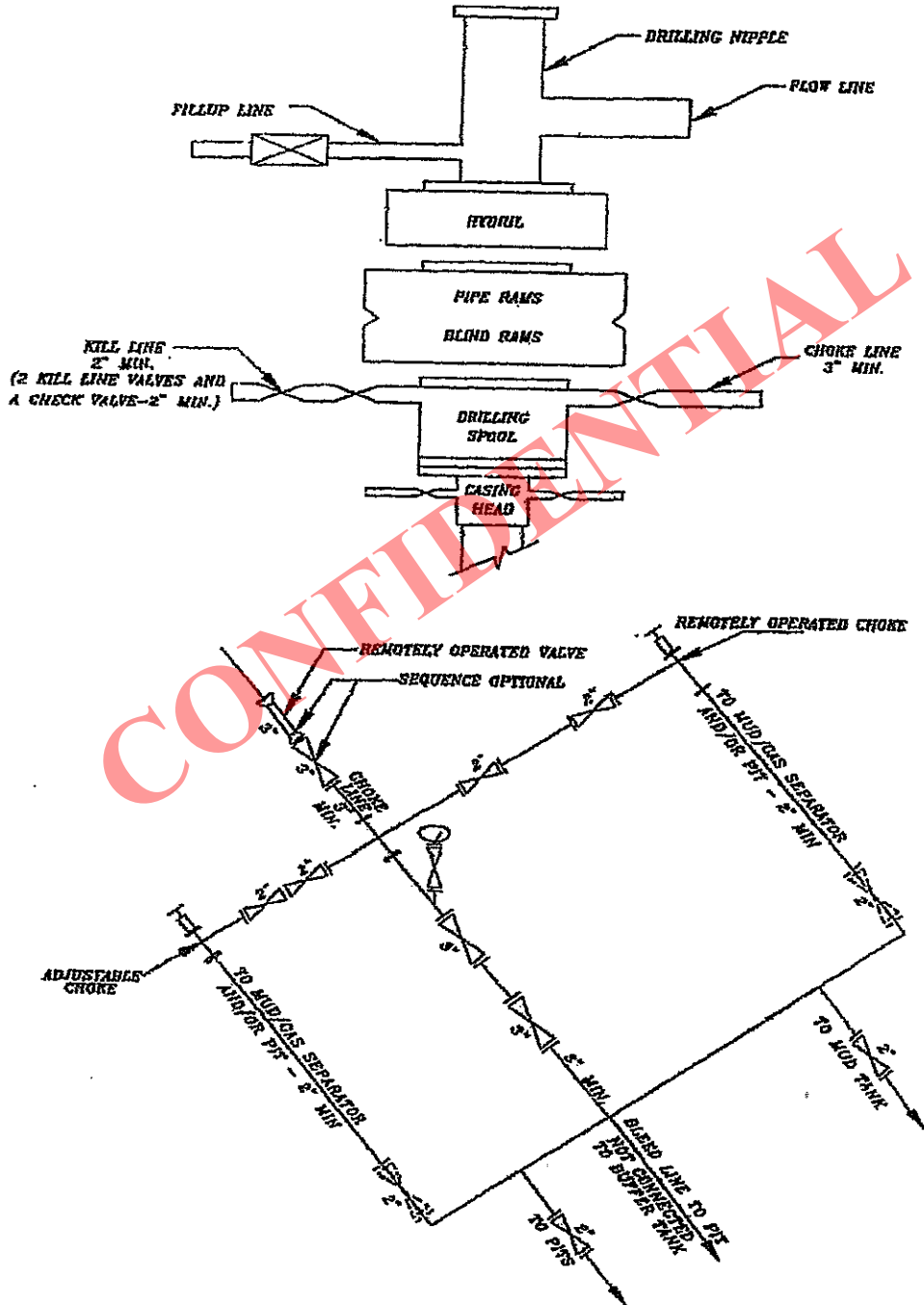


JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS

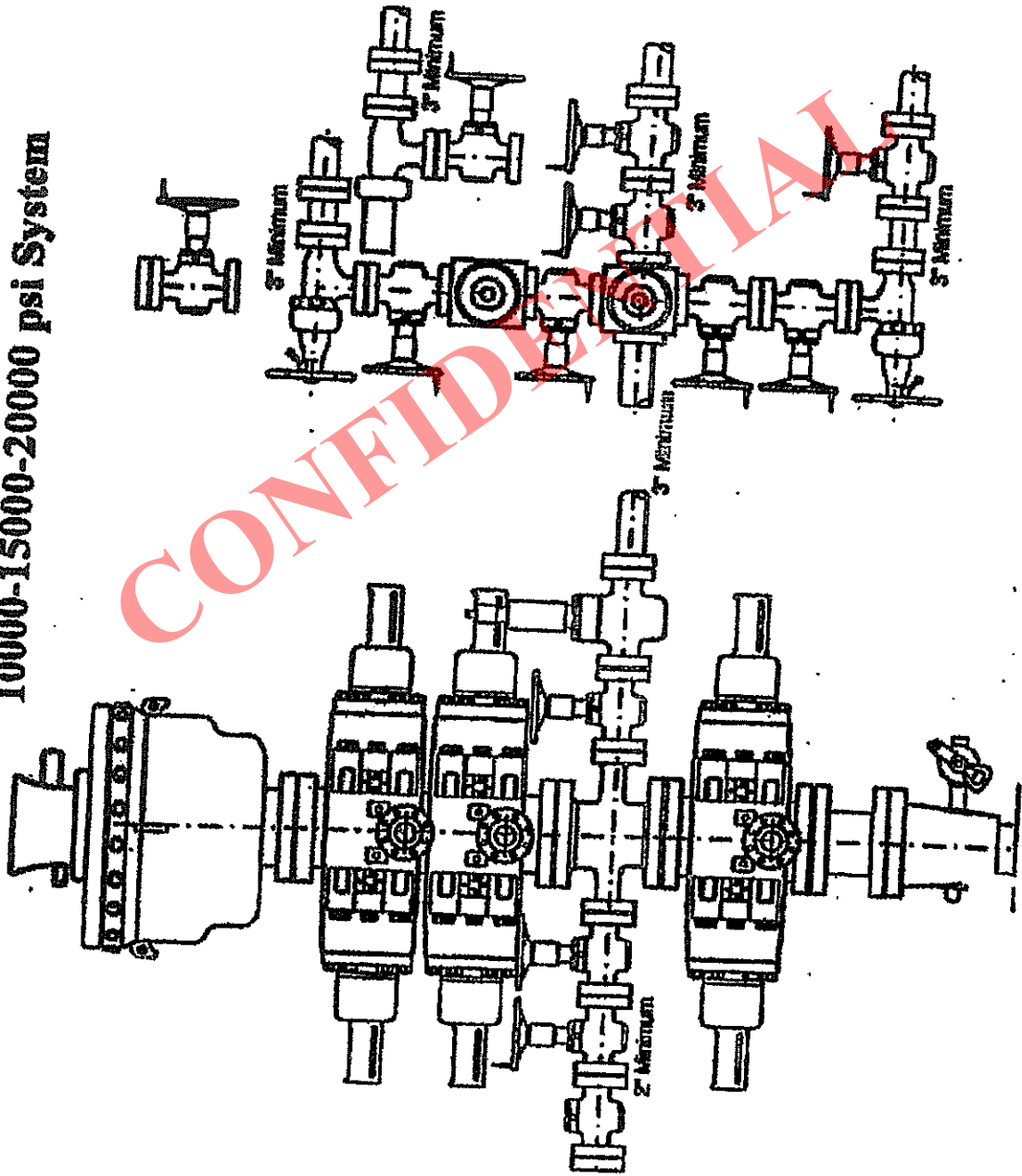
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(435) 738-5352

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5 NOV 2013 01-128-484

5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System

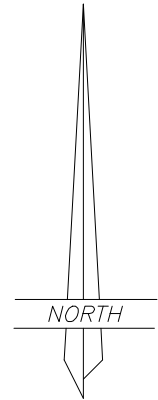
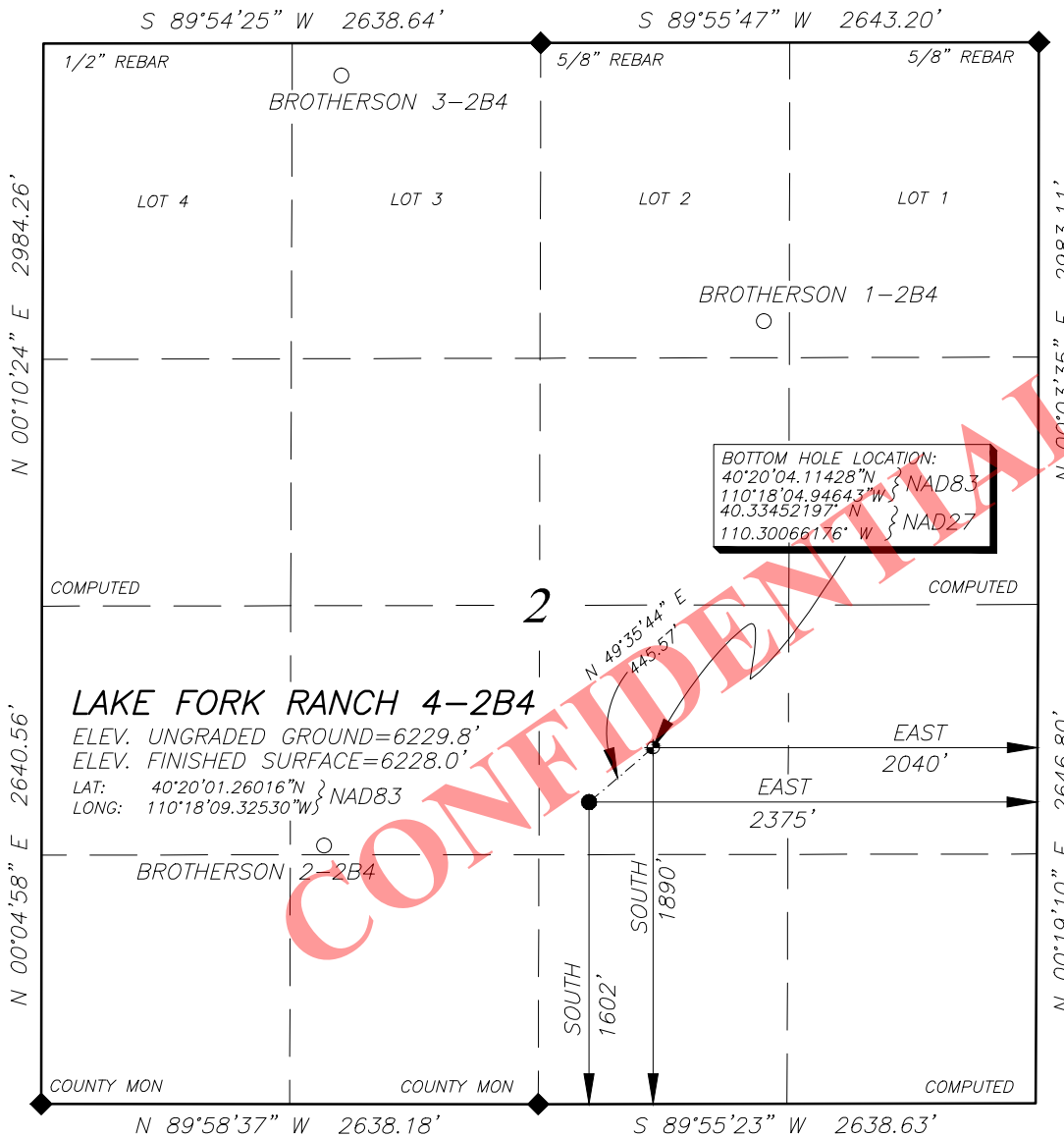


EP ENERGY E&P COMPANY, L.P.

LOCATED IN THE NW¼ OF THE SE¼ OF SECTION 2, T2S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH

WELL LOCATION

LAKE FORK RANCH 4-2B4



SCALE: 1" = 1000'



NOTE:
 NAD27 VALUES FOR WELL POSITION:
 LAT: 40.333729142° N
 LONG: 110.301878119° W

LEGEND AND NOTES

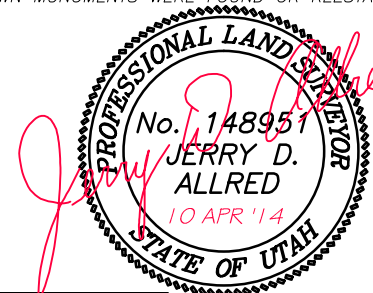
- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY
- THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP
- THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT
- THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A CONTROL POINT LOCATED AT LAT. 40°21'33.56882"N AND LONG. 110°16'31.53266"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

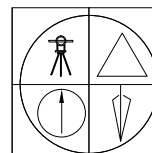
REV 10 APR 2014
 REV 27 NOV 2013
 4 NOV 2013 01-121-484

SURVEYOR'S CERTIFICATE

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

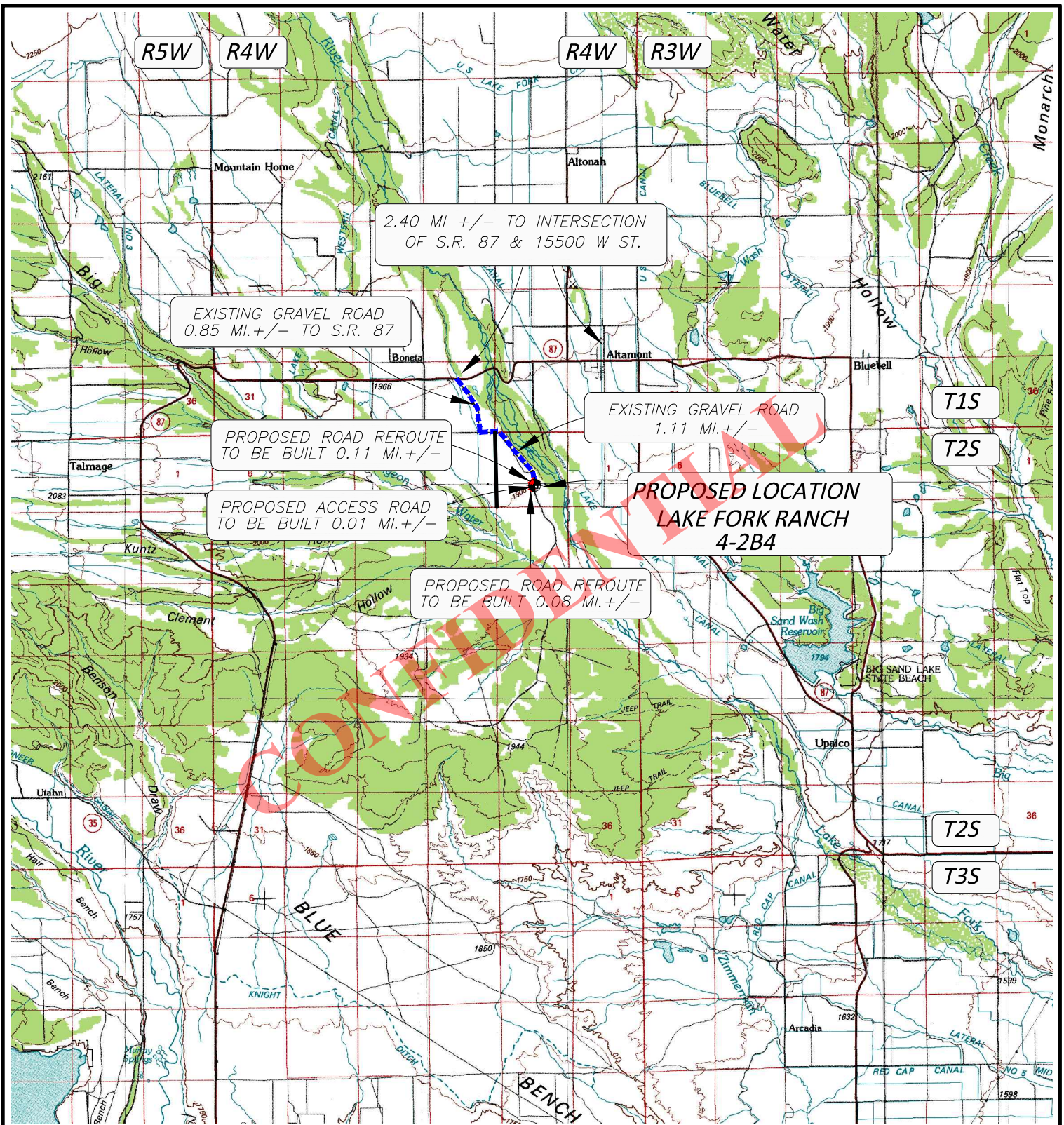


JERRY D. ALLRED, REGISTERED LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES
 SURVEYING CONSULTANTS

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



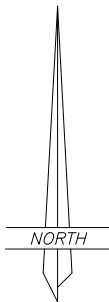
LEGEND:

 PROPOSED WELL LOCATION

01-128-484

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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

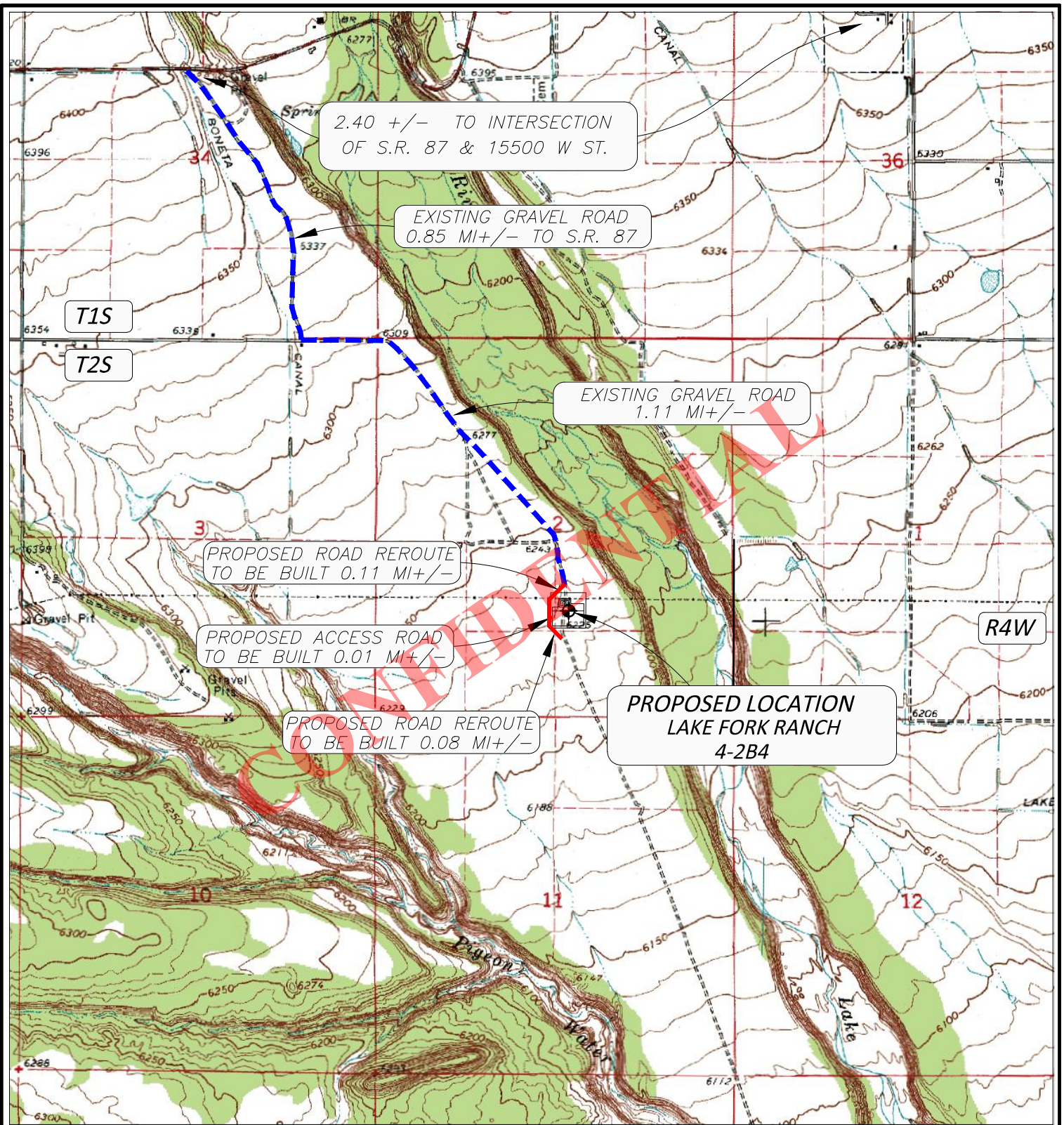


EP ENERGY E&P COMPANY, L.P.




LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.
1602' FSL 2375' FEL

TOPOGRAPHIC MAP "A"

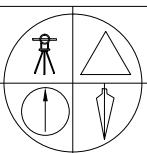
SCALE; 1"=10000'
10 APR 2014



LEGEND:

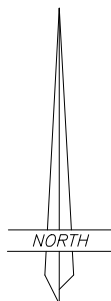
-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD

01-128-484



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



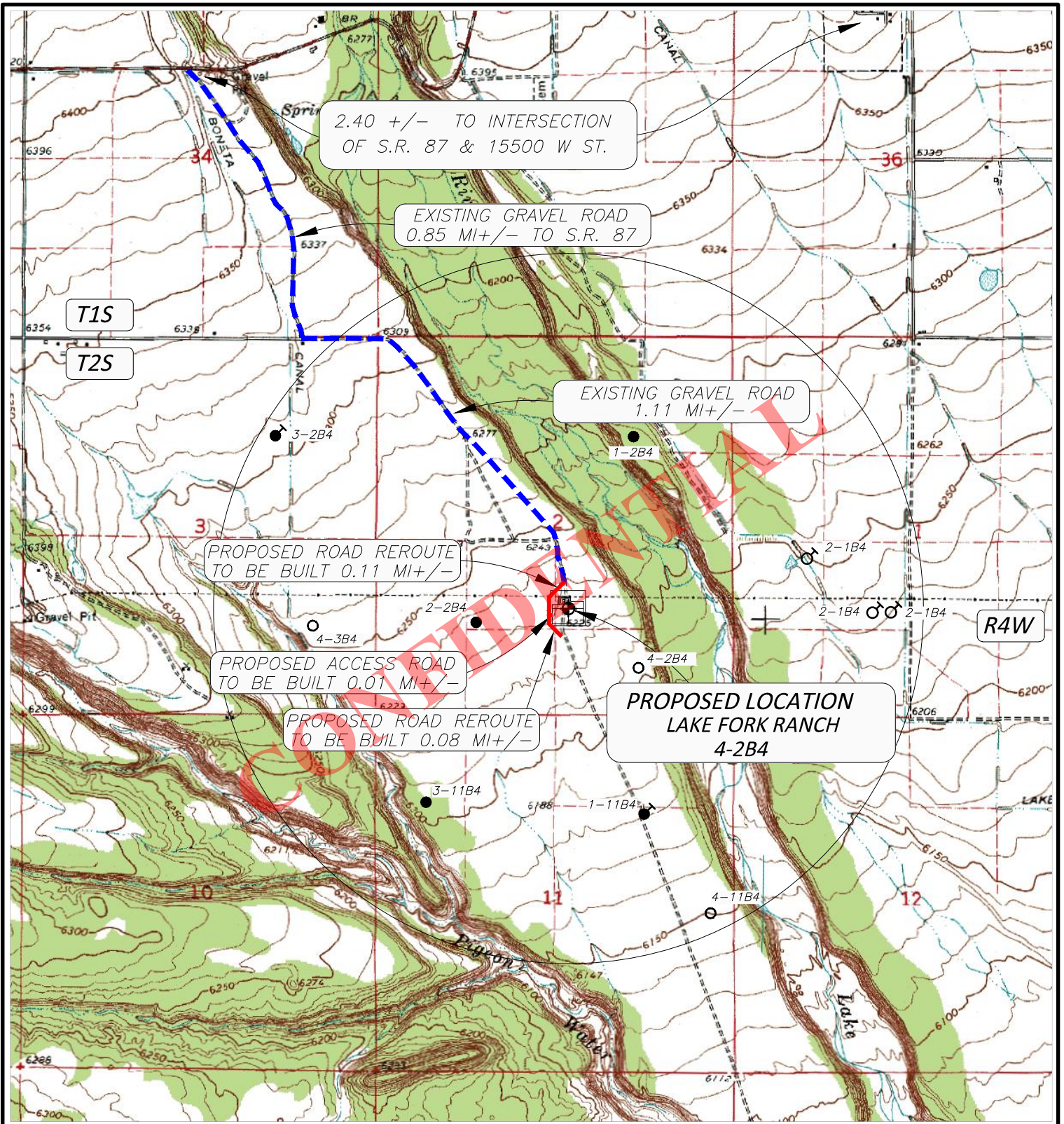
EP ENERGY E&P COMPANY, L.P.

LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.

1602' FSL 2375' FEL

TOPOGRAPHIC MAP "B"

SCALE: 1"=2000'
10 APR 2014

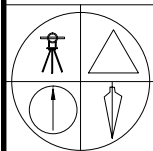


LEGEND:

PROPOSED WELL LOCATION

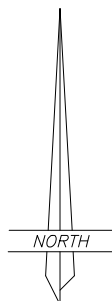
2-25C6

01-128-484



JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS

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



EP ENERGY E&P COMPANY, L.P.

LAKE FORK RANCH 4-2B4
SECTION 2, T2S, R4W, U.S.B.&M.

1602' FSL 2375' FEL

TOPOGRAPHIC MAP "C"

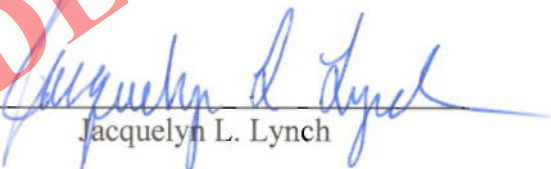
SCALE: 1"=2000'
10 APR 2014

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE

Jacquelyn L. Lynch personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Jacquelyn L. Lynch. I am a 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 Lake Fork Ranch 4-2B4 well (the "Well") to be located in the NW/4SE/4 of Section 2, Township 2 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Lake Fork Ranch whose address is HC 65 Box 510048, Mountain Home, UT 84051 (the "Surface Owner"). The Surface Owner's representative is Brent Brotherson, whose telephone number is (435) 454-3546.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated November 21, 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.


 Jacquelyn L. Lynch

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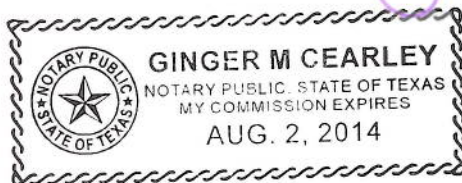
ACKNOWLEDGMENT

STATE OF TEXAS §
 §
 COUNTY OF HARRIS §

Sworn to and subscribed before me on this 22nd day of November, 2013, by Jacquelyn L. Lynch, as Landman for EP Energy E&P Company, L.P., a Delaware limited partnership.


 NOTARY PUBLIC

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 .05 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 .05 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
 - Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

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

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

8. **Ancillary Facilities:**
 - There will be no ancillary facilities associated with this project.

9. Surface Reclamation Plans:

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

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

10. Surface Ownership:

Lake Fork Ranch, Inc.
HC 65 Box 510048
Mountain Home, UT 84051
435-454-3546

Other Information:

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

• **Operator and Contact Persons:**

Construction and Reclamation:

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

Regarding This APD

EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2640A
Houston, Texas 77002
713-997-5038 – Office

Drilling

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

5D Plan Report

EP ENERGY

Field Name: UTAH_ CENTRAL ZONE_ NAD83
Site Name: LAKE FORK RANCH 4-2B4
Well Name: LAKE FORK RANCH 4-2B4
Plan: PLAN 1

CONFIDENTIAL





Weatherford

Plan Point Information:
DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(DLSU)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00
6150.00	0.00	0.00	6150.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00
6529.33	5.69	49.58	6528.71	12.20	14.33	12.38	1.50	49.6	1.50	0.00
10642.18	5.69	49.58	10621.29	276.61	324.75	280.61	0.00	0.0	0.00	0.00
11021.51	0.00	0.00	11000.00	288.81	339.08	292.99	1.50	180.0	-1.50	0.00
11022.13	0.00	0.00	11000.62	288.81	339.08	292.99	0.00	0.0	0.00	0.00
14071.51	0.00	18.00	14050.00	288.81	339.08	292.99	0.00	0.0	0.00	0.00

Formation Point Information:

Name	TVD Elevation (USft)	MD (USft)
GREEN RIVER (GRN1)	7124.00 -879.00	7127.57
MAHOGANY BENCH	8092.00 -1847.00	8100.36
LOWER GREEN RIVER (TGR3)	9455.00 -3210.00	9470.11
WASATCH (W090TU2)	10851.00 -4606.00	10872.47

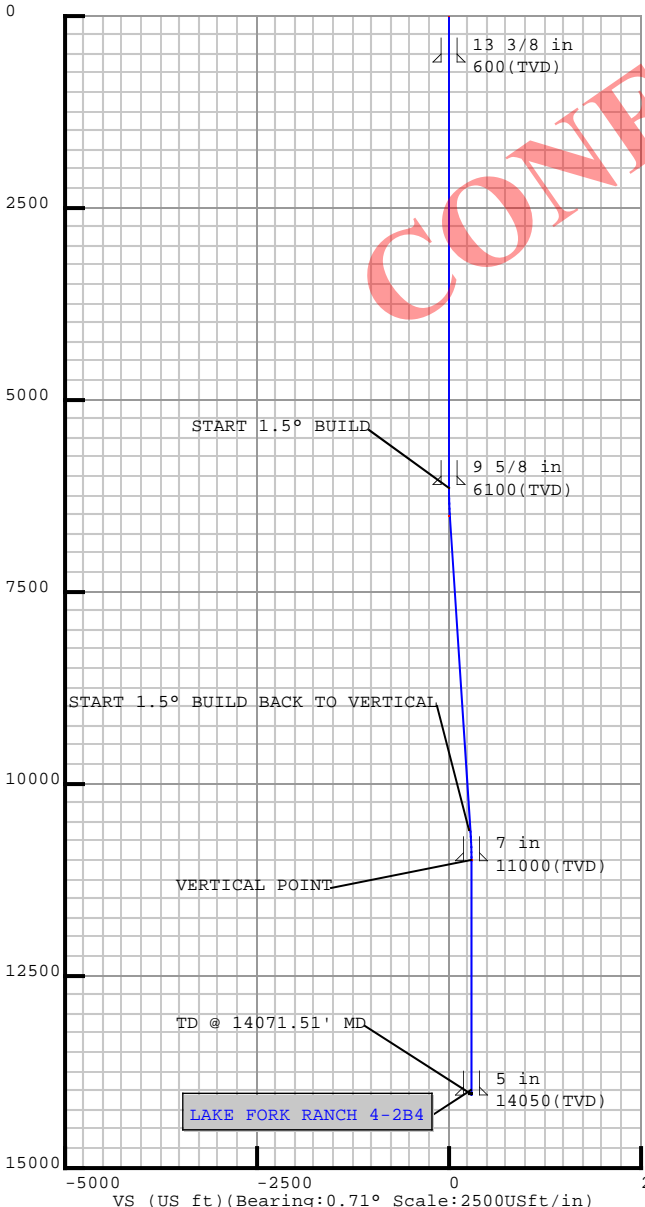
Field: UTAH_CENTRAL_ZONE_NAD83
Map Unit: USFt Vertical Reference Datum (VRD): Projected Coordinate System: NAD83 / Utah Central (ftUS)

Site: LAKE FORK RANCH 4-2B4
Unit: USFeet TVD Reference:
Company Name: EP ENERGY
Position: Northing: 7292507.69USft Latitude: 40.333683°
Easting: 1974216.82USft Longitude: -110.302590°
North Reference: True Grid Convergence: 0.77°
Elevation Above VRD: 0.00USft

Slot: LAKE FORK RANCH 4-2B4
Position:
Offset is from Site centre
+N/-S: -0.00USft Northing: 7292507.69USft Latitude: 40.333683°
+E/-W: 0.00USft Easting: 1974216.82USft Longitude: -110.302590°
Elevation Above VRD: 6228.00USft

Well: LAKE FORK RANCH 4-2B4
Type: Main-Well
File Number:
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 0.71°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGGM 52059(nT) 11.19° 65.89° 2014-04-15

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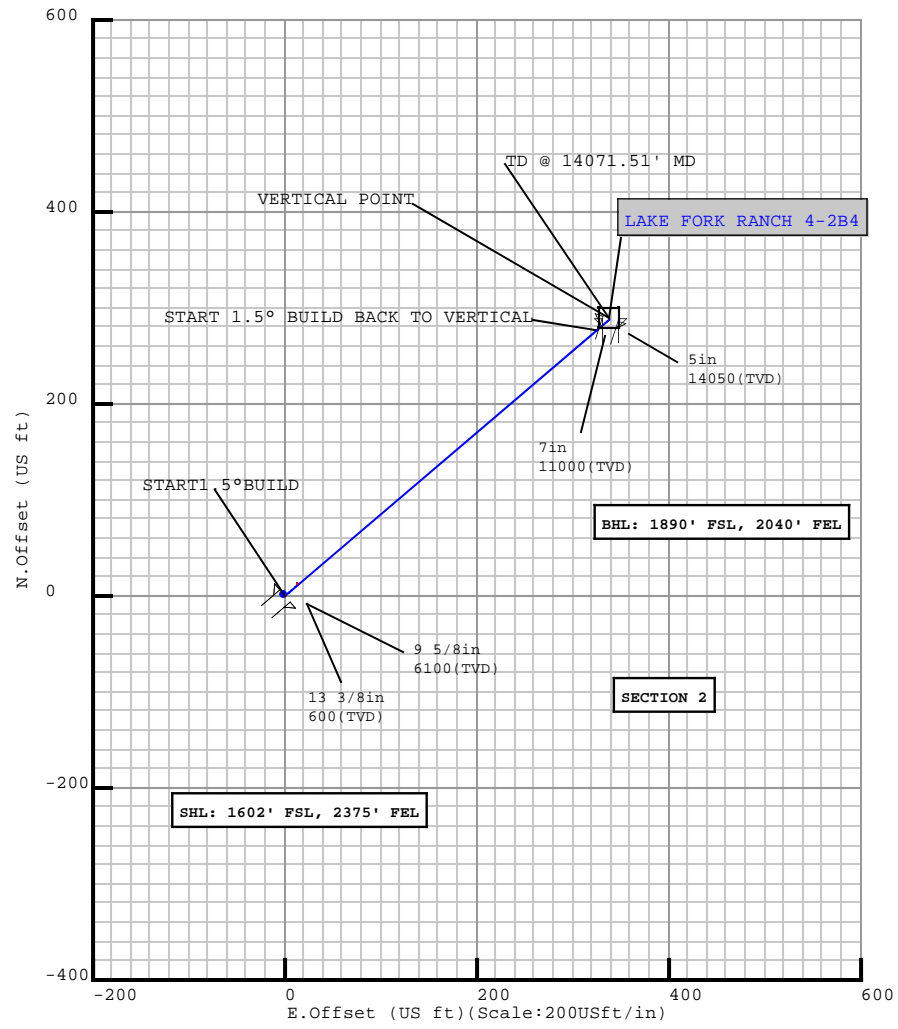
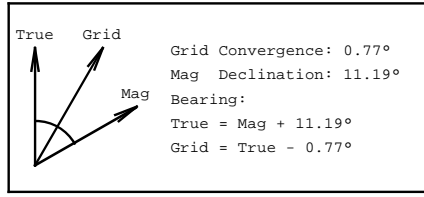


Casing Point Information:

Name	MD (USft)	TVD (USft)
13 3/8 in	600.00	600.00
9 5/8 in	6100.00	6100.00
7 in	11021.51	11000.00
5 in	14071.51	14050.00

Target Set Information:

Name	TVD (USft)	Lat (°)	Long (°)
Name: LAKEFORKRANCH4-2B4			
PBHL	14050.00	40.334476	-110.301374



5D Plan Report

Plan Surveys for the LAKE FORK RANCH 4-2B4

Site Name LAKE FORK RANCH 4-2B4	Units : US ft	North Reference : True	Convergence Angle : 0.77
	Position	Northing : 7292507.69 US ft	Latitude : 40.333683
		Easting : 1974216.82 US ft	Longitude : -110.302590
	Elevation above: 6228.00 US ft		
	Comment :		
Slot Name LAKE FORK RANCH 4-2B4	Position (Offsets relative to Site Centre)		
	+N / -S : -0.00 US ft	Northing : 7292507.69 US ft	Latitude : 40.333683
	+E / -W : 0.00 US ft	Easting : 1974216.82 US ft	Longitude : -110.302590
	Slot TVD Reference : Ground Elevation		
	Elevation above : 6228.00 US ft		
	Comment :		
Well Name LAKE FORK RANCH 4-2B4	Type : Main well	UWI :	Plan : PLAN 1
	Rig Height Drill Floor : 17.00 US ft	Comment :	
	Relative to : 6245.00 US ft		
	Closure Distance : 445.411 US ft	Closure Azimuth : 49.5772°	
	Vertical Section (Position of Origin Relative to Slot)		
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft	Az : 49.58°
	Magnetic Parameters		
Model : BGGM	Field Strength : 52059.2nT	Dec : 11.19°	Dip : 65.89°
			Date : 15/Apr/2014

5D Plan Report

Target Set

Name : LAKE FORK RANCH 4-2B4

Number of Targets : 1

Comment :

TargetName: PBHL	Position (Relative to centre)		
	+N / -S : 288.81US ft +E / -W : 339.08 US ft	Northing : 7292801.02 US ft Easting : 1974552.01US ft	Latitude : 40°20'4.114280" Longitude : -110°18'4.946430"
Shape: Cuboid	TVD (Drill Floor) : 14050.00 US ft		
Orientation	Azimuth : 0.00°	Inclination : 0.00°	
Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft

Casing Points (Relative to centre, TVD relative to Drill Floor)

Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)
13 3/8 in	600.00	0.00	0.00	600.00	0.00	0.00	40.333683	-110.302590
9 5/8 in	6100.00	0.00	0.00	6100.00	0.00	0.00	40.333683	-110.302590
7 in	11021.51	0.00	0.00	11000.00	288.81	339.08	40.334476	-110.301374
5 in	14071.51	0.00	18.00	14050.00	288.81	339.08	40.334476	-110.301374

Well path created using minimum curvature

Salient Points (Relative to centre, TVD relative to Drill Floor)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	40.333683	-110.302590	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	40.333683	-110.302590	0.00	0.00	0.00	13 3/8 in
6100.00	0.00	0.00	6100.00	0.00	0.00	40.333683	-110.302590	0.00	0.00	0.00	9 5/8 in
6150.00	0.00	0.00	6150.00	0.00	0.00	40.333683	-110.302590	0.00	0.00	0.00	START 1.5° BUILD
6529.33	5.69	49.58	6528.71	12.20	14.33	40.333717	-110.302539	1.50	49.58	18.82	
7127.57	5.69	49.58	7124.00	50.66	59.48	40.333822	-110.302377	0.00	0.00	78.13	GREEN RIVER (GRTN1) :
8100.36	5.69	49.58	8092.00	113.20	132.90	40.333994	-110.302114	0.00	0.00	174.58	MAHOGANY BENCH :
9470.11	5.69	49.58	9455.00	201.26	236.29	40.334236	-110.301743	0.00	0.00	310.38	LOWER GREEN RIVER (TGR3) :
10642.18	5.69	49.58	10621.29	276.61	324.75	40.334443	-110.301425	0.00	0.00	426.59	START 1.5° BUILD BACK TO VERTICAL
10872.47	2.24	49.58	10851.00	286.93	336.87	40.334471	-110.301382	1.50	180.00	442.50	WASATCH (W090TU2) :

5D Plan Report

Salient Points (Relative to centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
11021.51	0.00	0.00	11000.00	288.81	339.08	40.334476	-110.301374	1.50	180.00	445.41	VERTICAL POINT; 7 in
11022.13	0.00	0.00	11000.62	288.81	339.08	40.334476	-110.301374	0.00	0.00	445.41	
14071.51	0.00	18.00	14050.00	288.81	339.08	40.334476	-110.301374	0.00	0.00	445.41	TD @ 14071.51' MD; 5 in

Interpolated Points (Relative to centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00			
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00			
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	13 3/8 in		
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00			
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00			
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00			
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00			
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00			
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00			
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00			
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00			
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00			
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00			
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00			
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00			
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00			
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00			
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00			
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00			
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00			
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00			
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00			
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00			
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00			
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00			
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00			
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00			
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00			

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00		
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00		
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00		
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00		
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00		
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00		
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00		
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00		
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00		
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00		
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00		
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00		
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00		
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00		
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00		
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	0.00		
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	0.00		
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00		
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00		
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	0.00		
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00		
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	0.00		
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	0.00		
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00		
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	0.00		
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	0.00		
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	0.00		
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	0.00		
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	0.00		
6150.00	0.00	0.00	6150.00	0.00	0.00	0.00	0.00	0.00		9 5/8 in START 1.5° BUILD
6200.00	0.75	49.58	6200.00	0.21	0.25	1.50	49.58	0.33		
6300.00	2.25	49.58	6299.96	1.91	2.24	1.50	0.00	2.94		
6400.00	3.75	49.58	6399.82	5.30	6.23	1.50	0.00	8.18		
6500.00	5.25	49.58	6499.51	10.39	12.20	1.50	0.00	16.02		
6529.33	5.69	49.58	6528.71	12.20	14.33	1.50	0.00	18.82		
6600.00	5.69	49.58	6599.03	16.75	19.66	0.00	0.00	25.83		
6700.00	5.69	49.58	6698.54	23.18	27.21	0.00	0.00	35.74		
6800.00	5.69	49.58	6798.04	29.60	34.76	0.00	0.00	45.66		
6900.00	5.69	49.58	6897.55	36.03	42.30	0.00	0.00	55.57		
7000.00	5.69	49.58	6997.06	42.46	49.85	0.00	0.00	65.48		
7100.00	5.69	49.58	7096.57	48.89	57.40	0.00	0.00	75.40		

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment	
7127.57	5.69	49.58	7124.00	50.66	59.48	0.00	0.00	78.13	GREEN RIVER (GRTN1) :	
7200.00	5.69	49.58	7196.07	55.32	64.95	0.00	0.00	85.31		
7300.00	5.69	49.58	7295.58	61.75	72.50	0.00	0.00	95.23		
7400.00	5.69	49.58	7395.09	68.18	80.04	0.00	0.00	105.14		
7500.00	5.69	49.58	7494.59	74.61	87.59	0.00	0.00	115.06		
7600.00	5.69	49.58	7594.10	81.03	95.14	0.00	0.00	124.97		
7700.00	5.69	49.58	7693.61	87.46	102.69	0.00	0.00	134.89		
7800.00	5.69	49.58	7793.12	93.89	110.23	0.00	0.00	144.80		
7900.00	5.69	49.58	7892.62	100.32	117.78	0.00	0.00	154.72		
8000.00	5.69	49.58	7992.13	106.75	125.33	0.00	0.00	164.63		
8100.00	5.69	49.58	8091.64	113.18	132.88	0.00	0.00	174.54		
8100.36	5.69	49.58	8092.00	113.20	132.90	0.00	0.00	174.58	MAHOGANY BENCH :	
8200.00	5.69	49.58	8191.15	119.61	140.43	0.00	0.00	184.46		
8300.00	5.69	49.58	8290.65	126.04	147.97	0.00	0.00	194.37		
8400.00	5.69	49.58	8390.16	132.46	155.52	0.00	0.00	204.29		
8500.00	5.69	49.58	8489.67	138.89	163.07	0.00	0.00	214.20		
8600.00	5.69	49.58	8589.17	145.32	170.62	0.00	0.00	224.12		
8700.00	5.69	49.58	8688.68	151.75	178.16	0.00	0.00	234.03		
8800.00	5.69	49.58	8788.19	158.18	185.71	0.00	0.00	243.95		
8900.00	5.69	49.58	8887.70	164.61	193.26	0.00	0.00	253.86		
9000.00	5.69	49.58	8987.20	171.04	200.81	0.00	0.00	263.77		
9100.00	5.69	49.58	9086.71	177.47	208.35	0.00	0.00	273.69		
9200.00	5.69	49.58	9186.22	183.89	215.90	0.00	0.00	283.60		
9300.00	5.69	49.58	9285.73	190.32	223.45	0.00	0.00	293.52		
9400.00	5.69	49.58	9385.23	196.75	231.00	0.00	0.00	303.43		
9470.11	5.69	49.58	9455.00	201.26	236.29	0.00	0.00	310.38	LOWER GREEN RIVER (TGR3) :	
9500.00	5.69	49.58	9484.74	203.18	238.55	0.00	0.00	313.35		
9600.00	5.69	49.58	9584.25	209.61	246.09	0.00	0.00	323.26		
9700.00	5.69	49.58	9683.75	216.04	253.64	0.00	0.00	333.18		
9800.00	5.69	49.58	9783.26	222.47	261.19	0.00	0.00	343.09		
9900.00	5.69	49.58	9882.77	228.90	268.74	0.00	0.00	353.01		
10000.00	5.69	49.58	9982.28	235.32	276.28	0.00	0.00	362.92		
10100.00	5.69	49.58	10081.78	241.75	283.83	0.00	0.00	372.83		
10200.00	5.69	49.58	10181.29	248.18	291.38	0.00	0.00	382.75		
10300.00	5.69	49.58	10280.80	254.61	298.93	0.00	0.00	392.66		
10400.00	5.69	49.58	10380.31	261.04	306.48	0.00	0.00	402.58		
10500.00	5.69	49.58	10479.81	267.47	314.02	0.00	0.00	412.49		
10600.00	5.69	49.58	10579.32	273.90	321.57	0.00	0.00	422.41		
10642.18	5.69	49.58	10621.29	276.61	324.75	0.00	0.00	426.59	START 1.5° BUILD BACK TO VERTICAL	

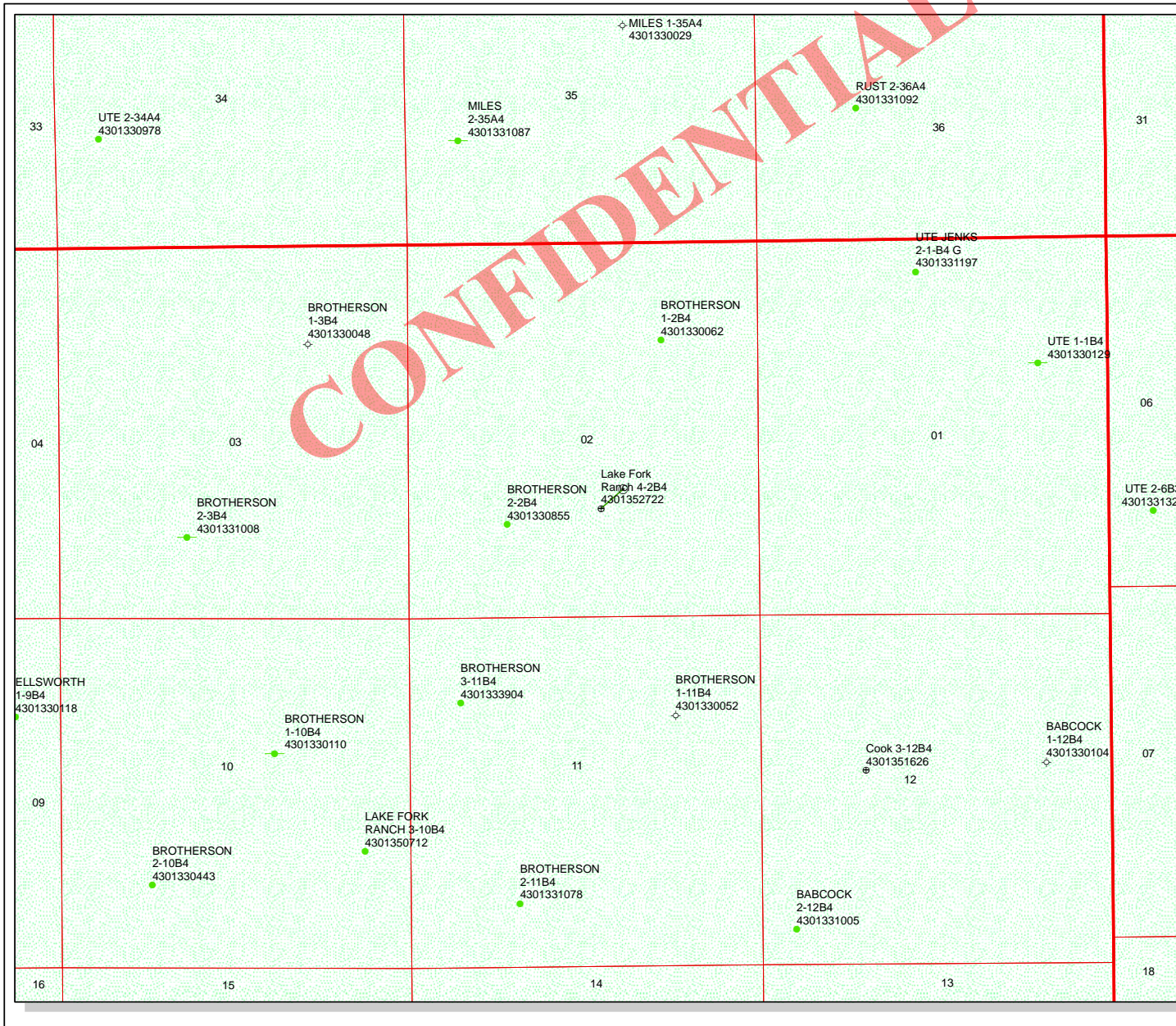
5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
10700.00	4.82	49.58	10678.87	280.04	328.79	1.50	180.00	431.89	
10800.00	3.32	49.58	10778.61	284.65	334.19	1.50	180.00	438.99	
10872.47	2.24	49.58	10851.00	286.93	336.87	1.50	180.00	442.50	WASATCH (W090TU2) :
10900.00	1.82	49.58	10878.51	287.56	337.61	1.50	180.00	443.48	
11000.00	0.32	49.58	10978.49	288.77	339.04	1.50	180.00	445.35	
11021.51	0.00	0.00	11000.00	288.81	339.08	1.50	180.00	445.41	VERTICAL POINT; 7 in
11022.13	0.00	0.00	11000.62	288.81	339.08	0.00	0.00	445.41	
11100.00	0.00	0.00	11078.49	288.81	339.08	0.00	0.00	445.41	
11200.00	0.00	18.00	11178.49	288.81	339.08	0.00	0.00	445.41	
11300.00	0.00	18.00	11278.49	288.81	339.08	0.00	0.00	445.41	
11400.00	0.00	18.00	11378.49	288.81	339.08	0.00	0.00	445.41	
11500.00	0.00	18.00	11478.49	288.81	339.08	0.00	0.00	445.41	
11600.00	0.00	18.00	11578.49	288.81	339.08	0.00	0.00	445.41	
11700.00	0.00	18.00	11678.49	288.81	339.08	0.00	0.00	445.41	
11800.00	0.00	18.00	11778.49	288.81	339.08	0.00	0.00	445.41	
11900.00	0.00	18.00	11878.49	288.81	339.08	0.00	0.00	445.41	
12000.00	0.00	18.00	11978.49	288.81	339.08	0.00	0.00	445.41	
12100.00	0.00	18.00	12078.49	288.81	339.08	0.00	0.00	445.41	
12200.00	0.00	18.00	12178.49	288.81	339.08	0.00	0.00	445.41	
12300.00	0.00	18.00	12278.49	288.81	339.08	0.00	0.00	445.41	
12400.00	0.00	18.00	12378.49	288.81	339.08	0.00	0.00	445.41	
12500.00	0.00	18.00	12478.49	288.81	339.08	0.00	0.00	445.41	
12600.00	0.00	18.00	12578.49	288.81	339.08	0.00	0.00	445.41	
12700.00	0.00	18.00	12678.49	288.81	339.08	0.00	0.00	445.41	
12800.00	0.00	18.00	12778.49	288.81	339.08	0.00	0.00	445.41	
12900.00	0.00	18.00	12878.49	288.81	339.08	0.00	0.00	445.41	
13000.00	0.00	18.00	12978.49	288.81	339.08	0.00	0.00	445.41	
13100.00	0.00	18.00	13078.49	288.81	339.08	0.00	0.00	445.41	
13200.00	0.00	18.00	13178.49	288.81	339.08	0.00	0.00	445.41	
13300.00	0.00	18.00	13278.49	288.81	339.08	0.00	0.00	445.41	
13400.00	0.00	18.00	13378.49	288.81	339.08	0.00	0.00	445.41	
13500.00	0.00	18.00	13478.49	288.81	339.08	0.00	0.00	445.41	
13600.00	0.00	18.00	13578.49	288.81	339.08	0.00	0.00	445.41	
13700.00	0.00	18.00	13678.49	288.81	339.08	0.00	0.00	445.41	
13800.00	0.00	18.00	13778.49	288.81	339.08	0.00	0.00	445.41	
13900.00	0.00	18.00	13878.49	288.81	339.08	0.00	0.00	445.41	
14000.00	0.00	18.00	13978.49	288.81	339.08	0.00	0.00	445.41	
14071.51	0.00	18.00	14050.00	288.81	339.08	0.00	0.00	445.41	TD @ 14071.51' MD; 5 in

5D Plan Report

Formation Points (Relative to centre, TVD relative to Drill Floor)		
Name	MD (US ft)	TVD (US ft)
GREEN RIVER (GRTN1)	7127.57	7124.00
MAHOGANY BENCH	8100.36	8092.00
LOWER GREEN RIVER (TGR3)	9470.11	9455.00
WASATCH (W090TU2)	10872.47	10851.00

CONFIDENTIAL



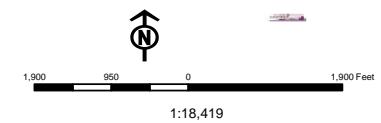
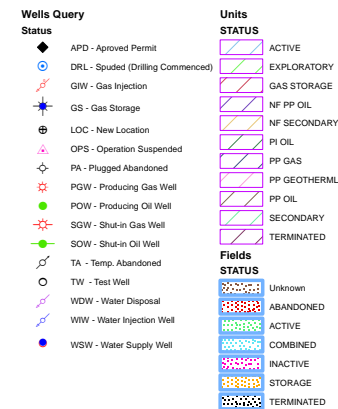
API Number: 4301352722

Well Name: Lake Fork Ranch 4-2B4

Township: T02.0S Range: R04.0W Section: 02 Meridian: U

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: 5/8/2014
Map Produced by Diana Mason



Well Name	EP ENERGY E&P COMPANY, L.P. Lake Fork Ranch 4-2B4 4301352722			
String	COND	SURF	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	1000	6100	11000	14050
Previous Shoe Setting Depth (TVD)	0	1000	6100	11000
Max Mud Weight (ppg)	8.8	9.6	11.0	14.0
BOPE Proposed (psi)	1000	1000	10000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	10228			14.0

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	458	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	338	YES <input type="checkbox"/> 4.5 x 20 rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	238	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	238	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

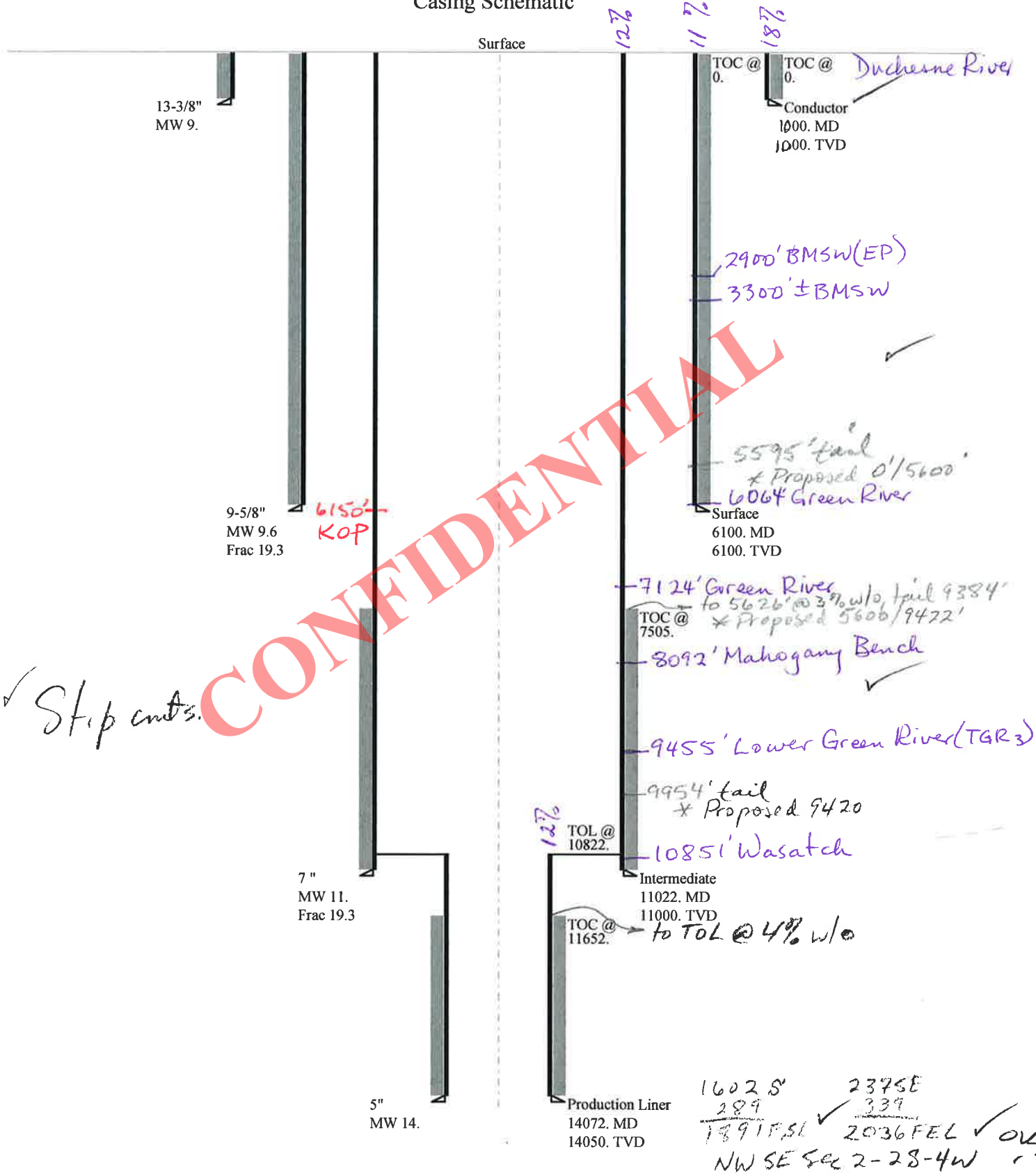
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	3045	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2313	NO <input type="checkbox"/> 4.5 x 13 3/8 rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1703	NO <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1923	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	6292	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4972	YES <input type="checkbox"/> 10M BOPE w/rotating head, 5M annular, blind rams, flex
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3872	YES <input type="checkbox"/> rams, mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5214	YES <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5750	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	5.000	"
Max BHP (psi)	.052*Setting Depth*MW=	10228	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8542	YES <input type="checkbox"/> 10M BOPE w/rotating head, 5M annular, blind rams, flex
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	7137	YES <input type="checkbox"/> rams, mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9557	YES <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		9758	psi
*Max Pressure Allowed @ Previous Casing Shoe=		11000	psi *Assumes 1psi/ft frac gradient

43013527220000 Lake Fork Ranch 4-2B4

Casing Schematic



Well name:	43013527220000 Lake Fork Ranch 4-2B4		
Operator:	EP ENERGY E&P COMPANY, LP.		
String type:	Conductor	Project ID:	43-013-52722
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 88 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 347 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 467 psi

No backup mud specified.

Tension:

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

Non-directional string.

Tension is based on buoyed weight.
 Neutral point: 867 ft

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	1000	13.375	54.50	J-55	ST&C	1000	1000	12.49	12407
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	467	1130	2.417	467	2730	5.84	47.2	514	10.88 J

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

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

Date: May 15, 2014
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013527220000 Lake Fork Ranch 4-2B4		
Operator:	EP ENERGY E&P COMPANY, LP.		
String type:	Surface		Project ID:
			43-013-52722
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 9.600 ppg
 Internal fluid density: 1.000 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 159 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 3,866 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 5,208 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
 Neutral point: 5,229 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 11,000 ft
 Next mud weight: 11.000 ppg
 Next setting BHP: 6,286 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 6,100 ft
 Injection pressure: 6,100 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	6100	9.625	40.00	N-80	LT&C	6100	6100	8.75	77619
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	2725	3090	1.134	5208	5750	1.10	209.1	737	3.52 J

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

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

Date: May 15, 2014
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6100 ft, a mud weight of 9.6 ppg. An internal gradient of .052 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013527220000 Lake Fork Ranch 4-2B4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Intermediate	Project ID: 43-013-52722
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 11.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 228 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 7,505 ft

Burst

Max anticipated surface pressure: 7,127 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,548 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 9,183 ft

Directional well information:

Kick-off point 6150 ft
Departure at shoe: 445 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Re subsequent strings:

Next setting depth: 14,050 ft
Next mud weight: 14.000 ppg
Next setting BHP: 10,219 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 11,000 ft
Injection pressure: 11,000 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	11022	7	29.00	HCP-110	LT&C	11000	11022	6.059	124467
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	6286	9200	1.464	9548	11220	1.18	265.9	797	3.00 J

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

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

Date: May 13, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 11000 ft, a mud weight of 11 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43013527220000 Lake Fork Ranch 4-2B4	
Operator:	EP ENERGY E&P COMPANY, LP.	
String type:	Production Liner	Project ID: 43-013-52722
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 14.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 271 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst

Max anticipated surface pressure: 7,127 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 10,219 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 13,375 ft

Cement top: 11,721 ft

Liner top: 10,822 ft

Directional well information:

Kick-off point 6150 ft
Departure at shoe: 445 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

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	3272	5	18.00	HCP-110	ST-L	14050	14072	4.151	259142
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	10219	15360	1.503	10219	13940	1.36	46.3	341	7.36 J

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

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

Date: May 15, 2014
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 14050 ft, a mud weight of 14 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Lake Fork Ranch 4-2B4
API Number 43013527220000 **APD No** 9170 **Field/Unit** ALTAMONT
Location: 1/4,1/4 NWSE Sec 2 Tw 2.0S Rng 4.0W 1602 FSL 2375 FEL
GPS Coord (UTM) **Surface Owner** Lake Fork Ranch

Participants

Wayne Garner (EP Energy); Dennis Ingram (Utah Division of Oil, Gas & Mining)

Regional/Local Setting & Topography

The Lake Fork Ranch 4-2B4 stakes up 2.4 miles west of Altamont along Highway 87, then south for approximately 2.0 miles along an existing county road, on bench property just west of the Lake Fork River Drainage. The immediate topography at the proposed well pad is nearly flat but slopes east/southeasterly toward the Lake Fork River, showing about four feet of cut at the northwest corner and nearly five feet of fill at the southeastern corner. Mountain Home, Altonah, and Altamont are small towns found north of the project; to the west and south is mostly pinion/juniper type habitat with open sagebrush flats utilized for pasture and hay production. The Lake Fork River Drainage cuts through this country in a southeastern direction, paralleling this location approximately three-eighths miles to the east. Big Sand Wash Reservoir is the largest body of water in that area and located four miles to the southeast.

Surface Use Plan

Current Surface Use

Grazing
Recreational

New Road Miles

0.01

Well Pad

Width 342 Length 400

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

On bench west of the Lake Fork River Drainage

Flora / Fauna

Sagebrush, rabbit brush, bunch grass, snow cover

Elk, mule deer, mountain lion, coyote, fox, raccoon, rabbits, squirrels, birds typically found in this region adjacent to a river bottom.

Soil Type and Characteristics

Fine-grained reddish, sandy loam with some clays and underlying cobbles

Erosion Issues N

Sedimentation Issues N**Site Stability Issues** N**Drainage Diversion Required?** N**Berm Required?** Y**Erosion Sedimentation Control Required?** N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit**

Site-Specific Factors	Site Ranking
Distance to Groundwater (feet) >200	0
Distance to Surface Water (feet) 300 to 1000	2
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) 10 to 20	5
Affected Populations	
Presence Nearby Utility Conduits Not Present	0
Final Score	32 1 Sensitivity Level

Characteristics / Requirements

Proposed reserve pit off north side of location in cut, measuring 110' wide by 150' long by 12' deep and having prevailing winds from the west.

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

Invited Brent Brotherson to presite but he did not attend, claims he had worked out the details with EP Energy and was happy with their agreement. A county road does cross the proposed well pad east of pit corner B and exists south between corners 1 and 2, operator plans to build a new road around this location to the west and have shown it on the location layout attached to the permit. There are OHP (over head high power lines) just north of the reserve pit staking and also to the south of corners 2, 1, & 8. This well would have fit better further east but would have put it closer to the Lake Fork River Drainage.

Dennis Ingram
Evaluator

12/26/2013
Date / Time

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

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9170	43013527220000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		Surface Owner-APD	Lake Fork Ranch	
Well Name	Lake Fork Ranch 4-2B4		Unit		
Field	ALTAMONT		Type of Work	DRILL	
Location	NWSE 2 2S 4W U 1602 FSL 2375 FEL GPS Coord (UTM) 559241E 4465038N				

Geologic Statement of Basis

EP proposes to set 600 feet of conductor and 6,100 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 3,300 feet. A search of Division of Water Rights records indicates that there are 15 water wells within a 10,000 foot radius of the center of Section 2. These wells probably produce water from the Duchesne River Formation and associated alluvium. Depths of the wells fall in the range of 15-600 feet. The wells are listed as being used for irrigation, stock watering, municipal and domestic. EP should decrease the surface casing depth to more closely match the base of the moderately saline ground water.

Brad Hill
APD Evaluator

5/8/2014
Date / Time

Surface Statement of Basis

There wasn't any drainage issues found or noted on the presite visit. The existing access or county road cuts through the proposed well pad and will be re-routed to the west around corners B, 4, 3, & 2. The greatest cut is on pit corner number B at 5.4 feet, with the greatest fill on the southeastern corner number 8.

The reserve pit stakes up along the northern side of the location in cut, and shall be lined with a 20 mil synthetic liner to prevent drilling fluids from migrating into underlying cobble rock and sands. The excavation pile for the reserve pit is planned to the east from pit corners C&D over to the eastern boundary or corners number 6. Do not attempt to place stockpile to the north of the reserve pit because high power lines are only thirty-five feet north of the pit corners. This pit shall be fenced when the drilling is completed to prevent livestock and/or wildlife from entering it.

The Division staff did schedule and perform a presite meeting for the Lake Fork Ranch 4-2B4 on December 26, 2013 to take input regarding the construction and drilling of this well. Brent Brotherson was shown as the landowner of record and was therefore invited to the presite meeting. Mr. Brotherson and EP Energy do have a landowner agreement for this well and the well staking was done following his concerns on not having the well close to the Lake Fork River Drainage.

Dennis Ingram
Onsite Evaluator

12/26/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the north side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/9/2013

API NO. ASSIGNED: 43013527220000

WELL NAME: Lake Fork Ranch 4-2B4

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

PHONE NUMBER: 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: NWSE 02 020S 040W

Permit Tech Review:

SURFACE: 1602 FSL 2375 FEL

Engineering Review:

BOTTOM: 1890 FSL 2040 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.33378

LONGITUDE: -110.30258

UTM SURF EASTINGS: 559241.00

NORTHINGS: 4465038.00

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 - 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

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-84
- Effective Date: 12/31/2008
- Siting: 4 Wells Per 640 Acres
- R649-3-11. Directional Drill

Comments: Presite Completed

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



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. HAZA
Division Director

Permit To Drill

Well Name: Lake Fork Ranch 4-2B4

API Well Number: 43013527220000

Lease Number: FEE

Surface Owner: FEE (PRIVATE)

Approval Date: 5/19/2014

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 139-84. 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:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 5600' MD and tail cement back to 500' above the top of Lower Green River formation 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:

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

For John Rogers
Associate Director, Oil & Gas



Alexis Huefner < alexishuefner@utah.gov >

Initial Spudding in on the Lake Fork Ranch # 4-2B2

1 message

RLANDRIG008 < RLANDRIG008@epenergy.com >

Fri, May 23, 2014 at 2:18 PM

To: Alexis Huefner < alexishuefner@utah.gov >, "MacAfee, Bradley D" < Brad.MacAfee@epenergy.com >, Carol Daniels < caroldaniels@utah.org >, "dennisingram@utah.gov" < dennisingram@utah.gov >, "Morales, Lisa" < Lisa.Morales@epenergy.com >, "Gomez, Maria S" < Maria.Gomez@epenergy.com >, "Evans, Perry (Contractor)" < Perry.Evans@epenergy.com >

May 23, 2014

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24 Hour Notice of Initial Spud on the following well.

Well Name: Lake Fork Ranch 4-2B4

1602 FSL 2375 FEL

API Well Number: 43013527220000

NWSE 2 2S 4W

Field: Altamont

County: Duchesne

Mineral Owner: Fee

May 22, 2014

10:00 AM

Leon Ross Drilling

Rig #35 Bucket Rig Spudded in on the above well for EP Energy LLC.

Best Regards

Steven Murphy

Rig Site Supervisor

EP Energy LLC

C: 435-823-1725

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	8. WELL NAME and NUMBER: Lake Fork Ranch 4-2B4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1602 FSL 2375 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 02 Township: 02.0S Range: 04.0W Meridian: U	9. API NUMBER: 43013527220000
5. PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/25/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Initial Completion"/>

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

EP plans to complete in the Wasatch. Please see attached for details.

Approved by the
July 28, 2014
Oil, Gas and Mining

Date: _____
 By: DeKQ

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 7/24/2014	

Lake Fork Ranch 4-2B4

Initial Completion

API # : 43013527220000

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 10,000 psi with glycol. Perforations from ~13599' – 13877' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 126981 gals. |
| Stage #2 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~13308' – 13558' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 126547 gals. |
| Stage #3 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~13001' – 13259' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~145000 # of Power Prop 20/40. Total clean water volume is 129397 gals. |
| Stage #4 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12748' – 12975' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~140000 # of Power Prop 20/40. Total clean water volume is 125711 gals. |
| Stage #5 | RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12447' – 12716' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~165000 # of Power Prop 20/40. Total clean water volume is 140804 gals. |

Stage #6 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~12112' – 12404' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~165000 # of Power Prop 20/40. Total clean water volume is 140304 gals.

Stage #7 RU WL unit with 10K lubricator and test to 10,000 psi with glycol. Perforations from ~11803' – 12074' with ~5000 gallons of 15% HCL acid, ~3000 # of 100 mesh sand and ~160000 # of Power Prop 20/40. Total clean water volume is 136534 gals.

Stimulation Summary

	Top Perf	Btm. Perf	Gross Interval	Plug Depth	Net Perf Length	Total Shots	Perf Intervals	Type of Prop	Lbs of Prop	Lbs/ft	Lbs of 100 Mesh	Gals of HCL (15%)	Gals of Clean H2O	Gals of Slurry
Stage #1	13,599	13,877	278	NA	21	63	16	Power Prop 20/40	140,000	504	3,000	5,000	126,981	142,757
Stage #2	13,308	13,558	250	13,568	22	66	17	Power Prop 20/40	140,000	560	3,000	5,000	126,547	142,323
Stage #3	13,001	13,259	258	13,269	23	69	17	Power Prop 20/40	145,000	562	3,000	5,000	129,397	145,550
Stage #4	12,748	12,975	227	12,985	22	66	17	Power Prop 20/40	140,000	617	3,000	5,000	125,711	141,487
Stage #5	12,447	12,716	269	12,726	20	60	16	Power Prop 20/40	165,000	613	3,000	5,000	140,804	158,464
Stage #6	12,112	12,404	292	12,414	23	69	17	Power Prop 20/40	165,000	565	3,000	5,000	140,304	157,964
Stage #7	11,803	12,074	271	12,084	23	69	17	Power Prop 20/40	160,000	590	3,000	5,000	136,534	153,818
Average per Stage			264		22	66	17		150,714	573	3,000	5,000	132,325	148,909
Totals per Well			1,845		154	462	117		1,055,000		21,000	35,000	926,278	1,042,363

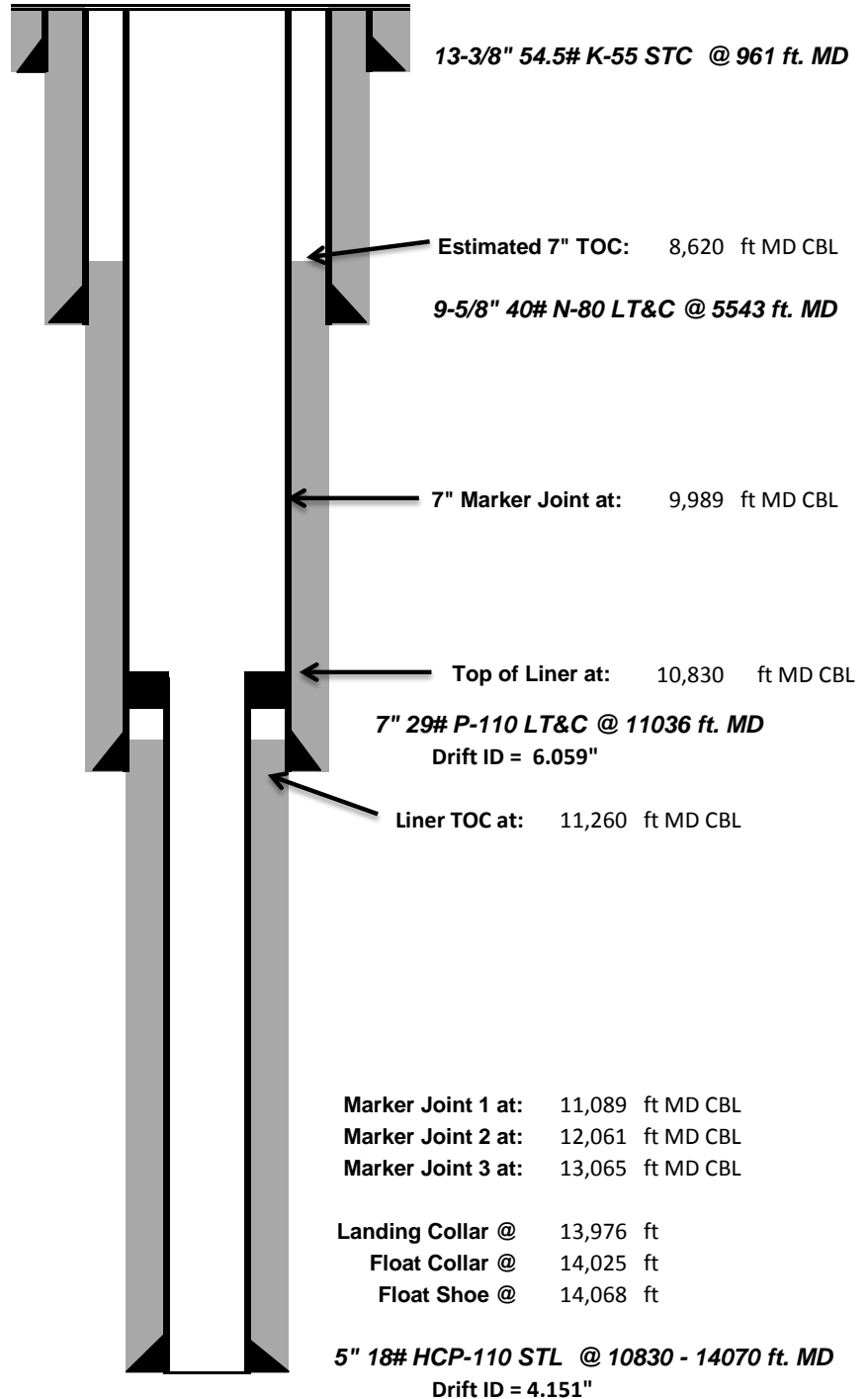


Pre-Completion Wellbore Schematic

Well Name: **Lake Fork Ranch 4-2B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°20'01.260" N Long: 110°18'09.325" W**
 Producing Zone(s): **Wasatch**

Last Updated: **7/21/2014**
 By: **Mohammad Siddiqui**
 TD: **14,025**
 API: **43013527220000**
 AFE: **153092**

8.43 ppg KCL substitute (Clay Webb Water) and algacide water in the wellbore



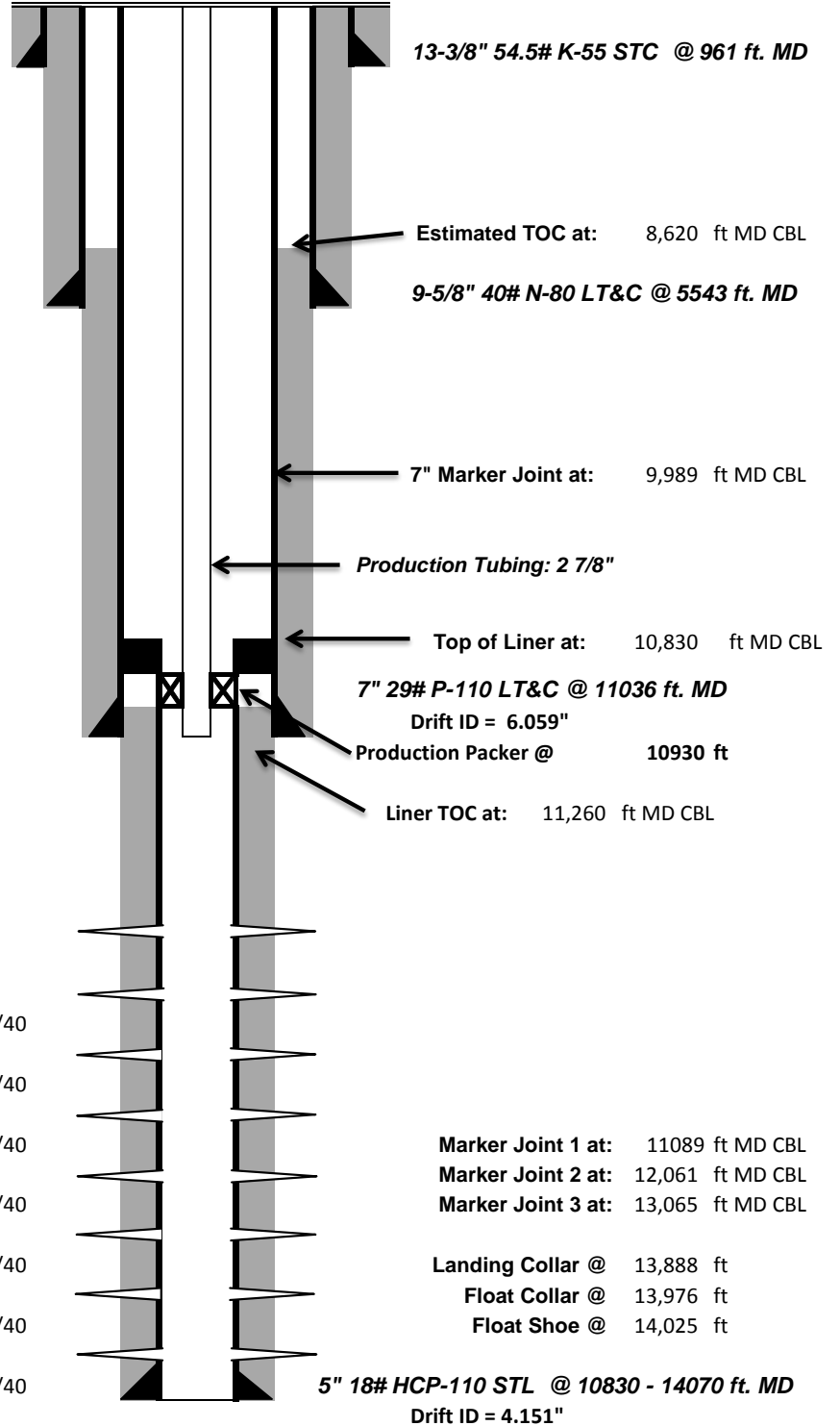


Post-Completion Wellbore Schematic

Well Name: **Lake Fork Ranch 4-2B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°20'01.260" N Long: 110°18'09.325" W**
 Producing Zone(s): **Wasatch**

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Initial Completion Perf Information

- Stage #7** 11803 - 12074 23' /69 shots
5000 gal HCL & 160000 lbs Power Prop 20/40
- Stage #6** 12112 - 12404 23' /69 shots
5000 gal HCL & 165000 lbs Power Prop 20/40
- Stage #5** 12447 - 12716 20' /60 shots
5000 gal HCL & 165000 lbs Power Prop 20/40
- Stage #4** 12748 - 12975 22' /66 shots
5000 gal HCL & 140000 lbs Power Prop 20/40
- Stage #3** 13001 - 13259 23' /69 shots
5000 gal HCL & 145000 lbs Power Prop 20/40
- Stage #2** 13308 - 13558 22' /66 shots
5000 gal HCL & 140000 lbs Power Prop 20/40
- Stage #1** 13599 - 13877 21' /63 shots
5000 gal HCL & 140000 lbs Power Prop 20/40

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		5. LEASE DESIGNATION AND SERIAL NUMBER:
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR:		8. WELL NAME and NUMBER:
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____ PHONE NUMBER: _____		9. API NUMBER:
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:		10 FIELD AND POOL, OR WILDCAT
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
		12. COUNTY _____ 13. STATE UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED: _____ ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL):
18. TOTAL DEPTH: MD _____ TVD _____	19. PLUG BACK T.D.: MD _____ TVD _____	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (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

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.	30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER: _____	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

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

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____
 SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

Attachment to Well Completion Report**Form 8 Dated August 28, 2014****Well Name: LFR 4-2B4****Items #27 and #28 Continued****27. Perforation Record**

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
12447'-12714'	.43	60	Open
12109'-12408'	.43	69	Open
11802'-12075'	.43	69	Open

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

Depth Interval	Amount and Type of Material
12748'-12976'	5000 gal acid, 3000# 100 mesh, 140000# 20/40 PowerProp
12447'-12714'	5000 gal acid, 3000# 100 mesh, 70680# 20/40 PowerProp
12109'-12408'	5000 gal acid, 3000# 100 mesh, 165000# 20/40 PowerProp
11802'-12075	5000 gal acid, 3000# 100 mesh, 160000# 20/40 PowerProp



Company: EP Energy **Job Number:** _____
Well: Lake Fork Ranch 4-2B4 **Mag Decl.:** _____
Location: Duchesne, UT **Dir Driller:** _____
Rig: Precision 404 **MWD Eng:** _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth					
Tie In	0.00	0.00	0.00												
1	100.00	0.12	265.77	100.00	100.00	-0.01	0.01	S	0.10	W	0.10	265.77	0.12	0.12	265.77
2	200.00	0.52	268.30	100.00	200.00	-0.03	0.03	S	0.66	W	0.66	267.50	0.40	0.40	2.53
3	300.00	0.35	245.44	100.00	300.00	-0.17	0.17	S	1.38	W	1.39	263.08	0.24	-0.17	-22.87
4	400.00	0.52	243.37	100.00	399.99	-0.50	0.50	S	2.06	W	2.12	256.47	0.17	0.17	-2.06
5	500.00	0.70	270.58	100.00	499.99	-0.69	0.69	S	3.08	W	3.15	257.30	0.33	0.18	27.20
6	600.00	0.37	305.44	100.00	599.98	-0.50	0.50	S	3.95	W	3.98	262.82	0.45	-0.32	34.87
7	700.00	0.22	353.26	100.00	699.98	-0.12	0.12	S	4.24	W	4.24	268.43	0.28	-0.15	47.82
8	800.00	0.24	325.55	100.00	799.98	0.25	0.25	N	4.38	W	4.38	273.21	0.11	0.01	-27.72
9	900.00	0.28	330.53	100.00	899.98	0.63	0.63	N	4.61	W	4.66	277.73	0.05	0.04	4.98
10	1000.00	0.37	248.92	100.00	999.98	0.72	0.72	N	5.03	W	5.08	278.16	0.43	0.09	-81.61
11	1100.00	0.38	269.23	100.00	1099.98	0.60	0.60	N	5.66	W	5.69	276.06	0.13	0.01	20.31
12	1200.00	0.05	161.84	100.00	1199.98	0.56	0.56	N	5.98	W	6.00	275.32	0.39	-0.33	-107.39
13	1300.00	0.40	278.19	100.00	1299.97	0.57	0.57	N	6.31	W	6.34	275.13	0.42	0.35	116.35
14	1400.00	0.17	319.85	100.00	1399.97	0.73	0.73	N	6.75	W	6.79	276.16	0.30	-0.23	41.66
15	1500.00	0.31	333.68	100.00	1499.97	1.08	1.08	N	6.96	W	7.05	278.82	0.15	0.14	13.82
16	1600.00	0.38	332.41	100.00	1599.97	1.61	1.61	N	7.23	W	7.41	282.57	0.07	0.07	-1.27
17	1700.00	0.47	300.30	100.00	1699.97	2.11	2.11	N	7.74	W	8.02	285.27	0.25	0.09	-32.10
18	1800.00	0.23	307.63	100.00	1799.97	2.44	2.44	N	8.25	W	8.60	286.47	0.24	-0.24	7.32
19	1900.00	0.28	300.79	100.00	1899.96	2.68	2.68	N	8.61	W	9.02	287.30	0.06	0.05	-6.83
20	2000.00	0.13	6.21	100.00	1999.96	2.92	2.92	N	8.81	W	9.28	288.33	0.25	-0.15	-294.59
21	2100.00	0.28	10.82	100.00	2099.96	3.27	3.27	N	8.75	W	9.34	290.49	0.15	0.15	4.61
22	2200.00	0.42	328.38	100.00	2199.96	3.82	3.82	N	8.90	W	9.68	293.25	0.29	0.15	317.56
23	2300.00	0.57	343.69	100.00	2299.96	4.61	4.61	N	9.23	W	10.32	296.56	0.20	0.15	15.31
24	2400.00	0.39	314.80	100.00	2399.95	5.33	5.33	N	9.61	W	10.99	299.02	0.30	-0.18	-28.89
25	2500.00	0.33	19.16	100.00	2499.95	5.84	5.84	N	9.76	W	11.37	300.92	0.39	-0.06	-295.64
26	2600.00	0.48	2.85	100.00	2599.95	6.54	6.54	N	9.64	W	11.65	304.14	0.19	0.15	-16.31
27	2700.00	0.53	17.18	100.00	2699.95	7.40	7.40	N	9.48	W	12.03	307.96	0.13	0.04	14.33
28	2800.00	0.22	38.69	100.00	2799.94	7.98	7.98	N	9.23	W	12.20	310.86	0.33	-0.31	21.51
29	2900.00	0.38	351.56	100.00	2899.94	8.46	8.46	N	9.16	W	12.47	312.72	0.28	0.16	312.88
30	3000.00	0.28	344.04	100.00	2999.94	9.02	9.02	N	9.28	W	12.94	314.21	0.11	-0.10	-7.52
31	3100.00	0.31	16.18	100.00	3099.94	9.51	9.51	N	9.27	W	13.28	315.75	0.16	0.03	-327.86
32	3200.00	0.37	17.21	100.00	3199.94	10.08	10.08	N	9.10	W	13.58	317.93	0.06	0.06	1.03
33	3300.00	0.60	80.18	100.00	3299.94	10.48	10.48	N	8.49	W	13.48	321.00	0.55	0.23	62.98
34	3400.00	0.65	95.81	100.00	3399.93	10.51	10.51	N	7.40	W	12.85	324.85	0.18	0.05	15.63
35	3500.00	0.67	92.29	100.00	3499.92	10.43	10.43	N	6.25	W	12.16	329.07	0.05	0.02	-3.52



Company: EP Energy
Well: Lake Fork Ranch 4-2B4
Location: Duchesne, UT
Rig: Precision 404

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates				Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction	Distance (ft)	Direction			
36	3600.00	0.74	89.29	100.00	3599.92	10.41	10.41	N	5.02	W	11.56	334.26	0.07	0.06	-3.00
37	3700.00	0.43	110.42	100.00	3699.91	10.29	10.29	N	4.03	W	11.05	338.62	0.37	-0.31	21.13
38	3800.00	0.42	103.51	100.00	3799.91	10.08	10.08	N	3.33	W	10.61	341.74	0.05	-0.01	-6.91
39	3900.00	0.48	113.03	100.00	3899.90	9.83	9.83	N	2.58	W	10.16	345.28	0.10	0.06	9.52
40	4000.00	0.52	107.14	100.00	3999.90	9.53	9.53	N	1.76	W	9.69	349.52	0.06	0.04	-5.89
41	4100.00	0.93	115.69	100.00	4099.89	9.04	9.04	N	0.60	W	9.06	356.22	0.42	0.41	8.56
42	4200.00	0.92	128.87	100.00	4199.88	8.19	8.19	N	0.76	E	8.22	5.29	0.21	-0.01	13.18
43	4300.00	0.98	131.88	100.00	4299.87	7.11	7.11	N	2.02	E	7.39	15.88	0.08	0.06	3.01
44	4400.00	0.87	163.75	100.00	4399.85	5.81	5.81	N	2.87	E	6.48	26.31	0.52	-0.12	31.88
45	4500.00	0.80	182.03	100.00	4499.84	4.39	4.39	N	3.06	E	5.35	34.89	0.27	-0.07	18.28
46	4600.00	0.73	164.09	100.00	4599.83	3.08	3.08	N	3.21	E	4.45	46.20	0.25	-0.07	-17.94
47	4700.00	0.89	188.66	100.00	4699.82	1.70	1.70	N	3.27	E	3.68	62.53	0.38	0.16	24.58
48	4800.00	0.63	201.69	100.00	4799.81	0.42	0.42	N	2.95	E	2.98	81.92	0.31	-0.26	13.03
49	4900.00	0.93	198.07	100.00	4899.81	-0.86	0.86	S	2.49	E	2.64	109.10	0.30	0.30	-3.62
50	5000.00	0.68	215.40	100.00	4999.80	-2.11	2.11	S	1.90	E	2.84	138.05	0.35	-0.25	17.33
51	5100.00	1.03	211.11	100.00	5099.78	-3.36	3.36	S	1.09	E	3.54	162.01	0.36	0.35	-4.29
52	5200.00	0.90	215.46	100.00	5199.77	-4.77	4.77	S	0.17	E	4.78	177.92	0.15	-0.13	4.35
53	5300.00	0.66	219.19	100.00	5299.76	-5.86	5.86	S	0.64	W	5.89	186.27	0.25	-0.24	3.72
54	5400.00	1.02	205.42	100.00	5399.75	-7.10	7.10	S	1.39	W	7.23	191.04	0.41	0.36	-13.77
55	5498.00	1.51	216.68	98.00	5497.73	-8.92	8.92	S	2.53	W	9.27	195.83	0.56	0.50	11.49
56	5553.00	2.03	214.20	55.00	5552.70	-10.30	10.30	S	3.51	W	10.88	198.80	0.96	0.95	-4.51
57	5646.00	0.68	188.65	93.00	5645.67	-12.21	12.21	S	4.52	W	13.02	200.30	1.56	-1.45	-27.47
58	5739.00	0.25	38.92	93.00	5738.67	-12.60	12.60	S	4.47	W	13.37	199.54	0.97	-0.46	-161.00
59	5832.00	2.17	37.43	93.00	5831.65	-11.04	11.04	S	3.27	W	11.52	196.52	2.06	2.06	-1.60
60	5925.00	4.13	30.68	93.00	5924.50	-6.76	6.76	S	0.50	W	6.78	184.19	2.14	2.11	-7.26
61	6018.00	4.98	18.03	93.00	6017.21	-0.05	0.05	S	2.46	E	2.46	91.07	1.41	0.91	-13.60
62	6112.00	6.13	19.67	94.00	6110.77	8.56	8.56	N	5.41	E	10.13	32.32	1.23	1.22	1.74
63	6205.00	5.44	32.57	93.00	6203.30	16.95	16.95	N	9.46	E	19.41	29.16	1.58	-0.74	13.87
64	6298.00	5.92	39.26	93.00	6295.84	24.38	24.38	N	14.87	E	28.56	31.38	0.88	0.52	7.19
65	6391.00	6.17	36.66	93.00	6388.32	32.10	32.10	N	20.89	E	38.30	33.05	0.40	0.27	-2.80
66	6485.00	6.92	31.22	94.00	6481.71	41.00	41.00	N	26.84	E	49.00	33.21	1.03	0.80	-5.79
67	6578.00	5.44	27.82	93.00	6574.17	49.69	49.69	N	31.80	E	58.99	32.62	1.64	-1.59	-3.66
68	6672.00	6.35	26.10	94.00	6667.67	58.30	58.30	N	36.17	E	68.60	31.81	0.99	0.97	-1.83
69	6765.00	6.88	31.68	93.00	6760.05	67.66	67.66	N	41.35	E	79.29	31.44	0.90	0.57	6.00
70	6858.00	6.23	36.86	93.00	6852.44	76.43	76.43	N	47.31	E	89.89	31.75	0.94	-0.70	5.57
71	6951.00	5.68	40.58	93.00	6944.94	83.97	83.97	N	53.33	E	99.47	32.42	0.72	-0.59	4.00
72	7044.00	6.08	45.38	93.00	7037.45	90.92	90.92	N	59.83	E	108.84	33.35	0.68	0.43	5.16



Company: EP Energy
Well: Lake Fork Ranch 4-2B4
Location: Duchesne, UT
Rig: Precision 404

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')		
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth					
73	7138.00	5.33	55.78	94.00	7130.99	96.87	96.87	N	66.98	E	117.78	34.66	1.36	-0.80	11.06
74	7231.00	7.09	65.11	93.00	7223.44	101.72	101.72	N	75.76	E	126.83	36.68	2.18	1.89	10.03
75	7325.00	7.16	65.86	94.00	7316.72	106.56	106.56	N	86.37	E	137.16	39.03	0.12	0.07	0.80
76	7418.00	5.96	64.52	93.00	7409.11	111.00	111.00	N	96.02	E	146.77	40.86	1.30	-1.29	-1.44
77	7511.00	6.73	67.28	93.00	7501.54	115.19	115.19	N	105.40	E	156.13	42.46	0.89	0.83	2.97
78	7604.00	5.84	66.25	93.00	7593.98	119.20	119.20	N	114.76	E	165.46	43.91	0.96	-0.96	-1.11
79	7698.00	4.41	74.81	94.00	7687.60	122.07	122.07	N	122.62	E	173.03	45.13	1.72	-1.52	9.11
80	7791.00	4.71	65.06	93.00	7780.31	124.62	124.62	N	129.54	E	179.75	46.11	0.89	0.32	-10.48
81	7884.00	4.91	61.93	93.00	7872.98	128.10	128.10	N	136.51	E	187.20	46.82	0.35	0.22	-3.37
82	7977.00	5.12	56.16	93.00	7965.62	132.28	132.28	N	143.47	E	195.15	47.32	0.59	0.23	-6.20
83	8070.00	5.01	51.49	93.00	8058.26	137.12	137.12	N	150.09	E	203.30	47.59	0.46	-0.12	-5.02
84	8163.00	5.97	30.39	93.00	8150.84	143.82	143.82	N	155.72	E	211.98	47.27	2.39	1.03	-22.69
85	8256.00	4.90	32.26	93.00	8243.42	151.35	151.35	N	160.29	E	220.45	46.64	1.17	-1.15	2.01
86	8350.00	4.48	34.16	94.00	8337.11	157.79	157.79	N	164.49	E	227.93	46.19	0.48	-0.45	2.02
87	8443.00	2.65	31.64	93.00	8429.92	162.62	162.62	N	167.66	E	233.57	45.87	1.97	-1.97	-2.71
88	8536.00	3.44	37.06	93.00	8522.79	166.68	166.68	N	170.47	E	238.41	45.64	0.90	0.85	5.83
89	8629.00	3.07	41.69	93.00	8615.64	170.77	170.77	N	173.81	E	243.66	45.51	0.49	-0.40	4.98
90	8722.00	2.38	44.71	93.00	8708.54	174.00	174.00	N	176.82	E	248.07	45.46	0.76	-0.74	3.25
91	8815.00	2.04	52.06	93.00	8801.47	176.39	176.39	N	179.48	E	251.65	45.50	0.48	-0.37	7.90
92	8908.00	1.71	54.57	93.00	8894.42	178.21	178.21	N	181.92	E	254.66	45.59	0.37	-0.35	2.70
93	9002.00	1.14	66.70	94.00	8988.39	179.39	179.39	N	183.92	E	256.92	45.71	0.68	-0.61	12.90
94	9095.00	0.75	97.10	93.00	9081.38	179.68	179.68	N	185.38	E	258.17	45.89	0.67	-0.42	32.69
95	9189.00	1.05	74.24	94.00	9175.36	179.84	179.84	N	186.81	E	259.31	46.09	0.49	0.32	-24.32
96	9281.00	2.08	91.24	92.00	9267.33	180.04	180.04	N	189.30	E	261.24	46.44	1.22	1.12	18.48
97	9376.00	2.34	95.56	95.00	9362.26	179.81	179.81	N	192.95	E	263.74	47.02	0.32	0.27	4.55
98	9467.00	2.08	103.45	91.00	9453.19	179.25	179.25	N	196.40	E	265.90	47.62	0.44	-0.29	8.67
99	9560.00	2.11	107.51	93.00	9546.13	178.34	178.34	N	199.68	E	267.72	48.23	0.16	0.03	4.37
100	9653.00	0.81	64.31	93.00	9639.10	178.11	178.11	N	201.90	E	269.24	48.58	1.74	-1.40	-46.45
101	9747.00	0.38	349.57	94.00	9733.09	178.70	178.70	N	202.45	E	270.04	48.56	0.85	-0.46	303.47
102	9839.00	0.20	217.65	92.00	9825.09	178.88	178.88	N	202.29	E	270.03	48.52	0.58	-0.20	-143.39
103	9932.00	0.86	194.71	93.00	9918.09	178.07	178.07	N	202.02	E	269.30	48.60	0.73	0.71	-24.67
104	10025.00	1.43	184.50	93.00	10011.07	176.24	176.24	N	201.75	E	267.89	48.86	0.65	0.61	-10.98
105	10118.00	1.41	172.43	93.00	10104.04	173.95	173.95	N	201.81	E	266.43	49.24	0.32	-0.02	-12.98
106	10211.00	1.40	185.44	93.00	10197.01	171.68	171.68	N	201.85	E	264.99	49.62	0.34	-0.01	13.99
107	10304.00	1.67	195.89	93.00	10289.98	169.25	169.25	N	201.37	E	263.05	49.95	0.42	0.29	11.24
108	10397.00	1.89	193.18	93.00	10382.94	166.45	166.45	N	200.65	E	260.71	50.32	0.25	0.24	-2.91
109	10491.00	2.00	195.21	94.00	10476.88	163.36	163.36	N	199.87	E	258.14	50.74	0.14	0.12	2.16



Company: EP Energy
Well: Lake Fork Ranch 4-2B4
Location: Duchesne, UT
Rig: Precision 404

Job Number: _____
Mag Decl.: _____
Dir Driller: _____
MWD Eng: _____

Calculation Method Minimum Curvature
Proposed Azimuth 0.00
Depth Reference KB
Tie Into: Gyro/MWD

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates			Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	
							N/S (ft)	E/W (ft)		Distance (ft)	Direction Azimuth				
110	10584.00	1.74	204.25	93.00	10569.83	160.51	160.51	N	198.86	E	255.56	51.09	0.42	-0.28	9.72
111	10677.00	1.33	218.68	93.00	10662.80	158.38	158.38	N	197.61	E	253.24	51.29	0.60	-0.44	15.52
112	10770.00	1.27	207.55	93.00	10755.78	156.62	156.62	N	196.46	E	251.25	51.44	0.28	-0.06	-11.97
113	10863.00	1.45	204.61	93.00	10848.75	154.64	154.64	N	195.49	E	249.26	51.66	0.21	0.19	-3.16
114	10925.00	1.44	199.44	62.00	10910.73	153.19	153.19	N	194.90	E	247.90	51.83	0.21	-0.02	-8.34
115	10982.00	1.72	198.79	57.00	10967.71	151.70	151.70	N	194.39	E	246.58	52.03	0.49	0.49	-1.14
116	11100.00	2.76	207.80	118.00	11085.62	147.52	147.52	N	192.50	E	242.52	52.54	0.92	0.88	7.64
117	11200.00	2.81	194.88	100.00	11185.50	143.03	143.03	N	190.75	E	238.41	53.14	0.63	0.05	-12.93
118	11300.00	2.77	200.46	100.00	11285.38	138.40	138.40	N	189.27	E	234.47	53.83	0.27	-0.04	5.58
119	11400.00	2.72	200.36	100.00	11385.27	133.91	133.91	N	187.60	E	230.49	54.48	0.05	-0.05	-0.10
120	11500.00	3.21	216.19	100.00	11485.13	129.42	129.42	N	185.12	E	225.88	55.04	0.95	0.49	15.83
121	11600.00	3.62	213.54	100.00	11584.96	124.53	124.53	N	181.73	E	220.30	55.58	0.44	0.41	-2.65
122	11700.00	3.43	200.20	100.00	11684.77	119.09	119.09	N	178.95	E	214.95	56.36	0.84	-0.19	-13.34
123	11800.00	3.31	194.12	100.00	11784.60	113.48	113.48	N	177.21	E	210.43	57.37	0.38	-0.12	-6.08
124	11900.00	3.17	199.58	100.00	11884.44	108.07	108.07	N	175.58	E	206.18	58.39	0.34	-0.15	5.46
125	12000.00	3.08	199.70	100.00	11984.29	102.94	102.94	N	173.75	E	201.96	59.35	0.09	-0.09	0.12
126	12100.00	3.10	206.13	100.00	12084.14	97.99	97.99	N	171.66	E	197.66	60.28	0.35	0.02	6.43
127	12200.00	2.97	207.66	100.00	12184.00	93.27	93.27	N	169.27	E	193.26	61.14	0.15	-0.13	1.54
128	12300.00	3.07	207.71	100.00	12283.86	88.61	88.61	N	166.82	E	188.89	62.02	0.10	0.10	0.05
129	12400.00	2.58	210.82	100.00	12383.74	84.31	84.31	N	164.42	E	184.77	62.85	0.51	-0.49	3.11
130	12500.00	2.51	196.20	100.00	12483.64	80.27	80.27	N	162.65	E	181.38	63.73	0.65	-0.07	-14.62
131	12600.00	2.31	205.99	100.00	12583.56	76.36	76.36	N	161.16	E	178.34	64.65	0.46	-0.20	9.79
132	12700.00	2.53	198.81	100.00	12683.47	72.46	72.46	N	159.57	E	175.25	65.58	0.38	0.22	-7.18
133	12800.00	2.77	193.54	100.00	12783.36	68.01	68.01	N	158.29	E	172.28	66.75	0.34	0.24	-5.27
134	12900.00	2.47	197.59	100.00	12883.26	63.60	63.60	N	157.07	E	169.46	67.95	0.35	-0.30	4.05
135	13000.00	2.80	200.68	100.00	12983.15	59.26	59.26	N	155.55	E	166.46	69.14	0.35	0.33	3.09
136	13100.00	2.79	185.87	100.00	13083.03	54.56	54.56	N	154.44	E	163.80	70.54	0.72	-0.01	-14.81
137	13200.00	2.30	190.07	100.00	13182.93	50.16	50.16	N	153.84	E	161.82	71.94	0.52	-0.48	4.20
138	13300.00	2.55	182.69	100.00	13282.84	45.97	45.97	N	153.39	E	160.13	73.32	0.39	0.24	-7.37
139	13400.00	2.45	181.30	100.00	13382.75	41.61	41.61	N	153.23	E	158.78	74.81	0.12	-0.10	-1.39
140	13500.00	2.45	179.51	100.00	13482.66	37.34	37.34	N	153.20	E	157.69	76.30	0.08	0.00	-1.80
141	13600.00	2.70	173.39	100.00	13582.56	32.86	32.86	N	153.49	E	156.97	77.92	0.37	0.26	-6.12
142	13700.00	2.25	175.01	100.00	13682.46	28.57	28.57	N	153.94	E	156.56	79.49	0.46	-0.46	1.62
143	13800.00	2.08	184.64	100.00	13782.39	24.81	24.81	N	153.96	E	155.95	80.85	0.40	-0.17	9.63
144	13854.00	2.47	175.55	54.00	13836.35	22.68	22.68	N	153.97	E	155.63	81.62	0.99	0.73	-16.82
145	14070.00	2.47	175.55	216.00	14052.15	13.40	13.40	N	154.69	E	155.27	85.05	0.00	0.00	0.00

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	8. WELL NAME and NUMBER: Lake Fork Ranch 4-2B4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1602 FSL 2375 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 02 Township: 02.0S Range: 04.0W Meridian: U	9. API NUMBER: 43013527220000
5. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	9. FIELD and POOL or WILDCAT: ALTAMONT
6. PHONE NUMBER: 713 997-5138 Ext	COUNTY: DUCHESNE
7. STATE: UTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/4/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Approved by the
July 27, 2016
Oil, Gas and Mining

Date: _____
 By: DeKQ

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/26/2016	

Lake Fork Ranch 4-2 B4 - Recom Summary Procedure

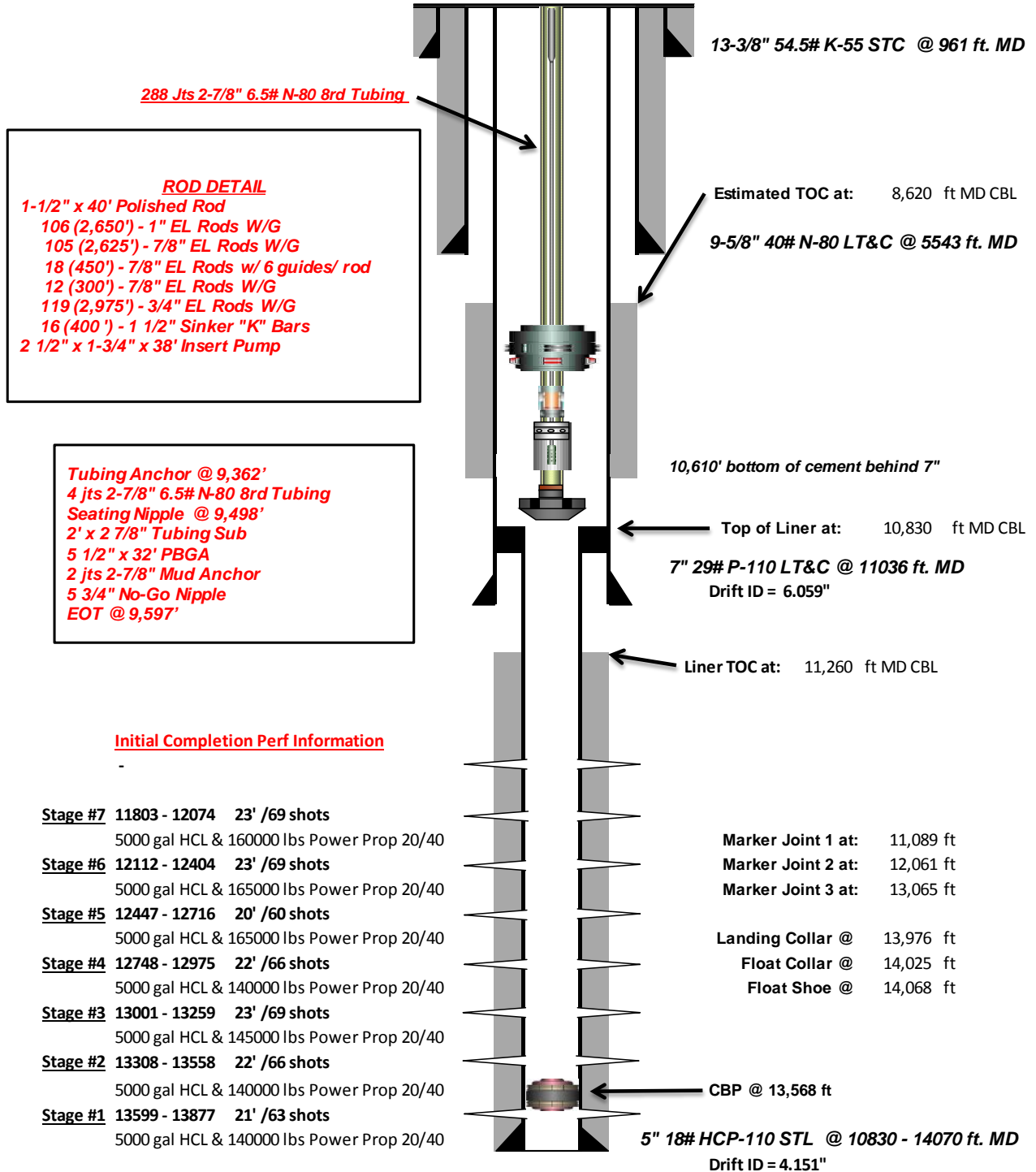
- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Set 15k CBP for 5" 18# casing @ 11,200' w/ 15' cement dump bailed on plug. Test casing to frac pressure.
- Perforate cmt squeeze holes @ 10,958'. Set 5" CMT retainer @ 10,953'. Squeeze ~25 sx cmt to isolate liner lap.
- Stage 1:
 - Perforate new LGR interval from **10,700' - 10,938'**.
 - Acid Frac Perforations with **25,000** gals 15% HCl acid (Stage 1 Recom).
- Stage 2:
 - RIH with 7" CBP & set @ **10,499'**.
 - Perforate new LGR interval from **10,260' - 10,484'**.
 - Acid Frac Perforations with **25,000** gals 15% HCl acid (Stage 2 Recom).
- Stage 3:
 - RIH with 7" CBP & set @ **10,239'**.
 - Perforate new LGR interval from **10,040' - 10,224'**.
 - Acid Frac Perforations with **20,000** gals 15% HCl acid (Stage 3 Recom).
- Stage 4:
 - RIH with 7" CBP & set @ **10,011'**.
 - Perforate new LGR interval from **9,812' - 9,996'**.
 - Acid Frac Perforations with **20,000** gals 15% HCl acid (Stage 4 Recom).
- Clean out well drilling up (3) 7" CBPs at 10,011', 10,239', and 10,499', leaving cement retainer and 5" 15k CBP @ 11,220
- ' w/ 15' CMT. Top perf BELOW plugs @ 11,803'.
- RIH w/ production tubing and rods.
- Clean location and resume production.



Current WBD July 25, 2016

Well Name: Lake Fork Ranch 4-2B4
 Company Name: EP Energy
 Field, County, State: Altamont, Duchesne, UT
 Surface Location: Lat: 40°20'01.260" N Long: 110°18'09.325" W
 Producing Zone(s): Wasatch

Last Updated: 4/4/2016
 By: Walt
 TD: 14,025
 API: 43013527220000
 AFE: 153092





Proposed WBD

Well Name: **Lake Fork Ranch 4-2B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°20'01.260" N Long: 110°18'09.325" W**
 Producing Zone(s): **Wasatch**

Last Updated: **7/26/2016**
 By: **Fondren/Walt**
 TD: **14,025**
 API: **43013527220000**
 AFE:

57 Jts 3-1/2" 9.3# L-80 8rd Tubing
3-1/2" x 2-7/8" XO @ ~1,824'
271 Jts 2-7/8" 6.5# N-80 8rd Tubing

ROD DETAIL
1-1/2" x 40' Polished Rod
XO
1-1/8" HD Pony Rods
 -68 (1,700') - 1-1/8" HD Rods (slick)
 129 (3,225') - 1" EL Rods (new can be slick)
 16 (400') - 7/8" EL Rods W/ 4 GPR
 18 (450') - 7/8" EL Rods W/ 6 GPR
 54 (1,350') - 7/8" EL Rods W/ 4 GPR
 120 (3,000') - 3/4" EL Rods W/G
 17 (425') - 1 1/2" Sinker "K" Bars
 2 1/2" x 1-3/4" x 38' Insert Pump

13-3/8" 54.5# K-55 STC @ 961 ft. MD

Estimated TOC at: 8,620 ft MD CBL

9-5/8" 40# N-80 LT&C @ 5543 ft. MD

BHA Detail
Tubing Anchor @ 10,495'
4 jts 2-7/8" 6.5# N-80 8rd Tubing
Seating Nipple @ 10,631'
2' x 2 7/8" Tubing Sub
5 1/2" x 32' PBGA
2 jts 2-7/8" Mud Anchor
5 3/4" No-Go Nipple
EOT @ 10,730'

10,610' bottom of cement behind 7"

2016 Recompletion Information	
STG 4: 9,812' - 9,996' (21'/63 holes)	20,000 gals 15% HCl
STG 3: 10,040' - 10,224' (22'/66 holes)	20,000 gals 15% HCl
STG 2: 10,260' - 10,484' (22'/66 holes)	25,000 gals 15% HCl
STG 1: 10,700' - 10,938' (23'/69 holes)	25,000 gals 15% HCl

Top of Liner at: 10,830 ft MD CBL

7" 29# P-110 LT&C @ 11036 ft. MD

Drift ID = 6.059"

5" CMT Retainer @ 10,953'

CMT squeeze hole @ 10,958'
 (1' 3 SPF 120 phasing)

5" 15K CBP @ 11,200' w/ 15' cmt

Liner TOC at: 11,260 ft MD CBL

Initial Completion Information

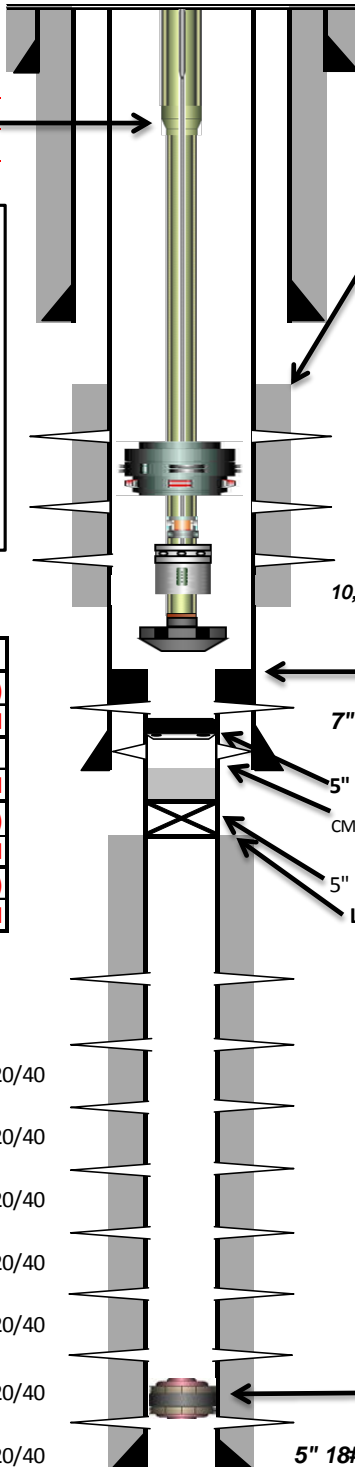
- Stage #7 11803 - 12074 23' /69 shots**
5000 gal HCL & 160000 lbs Power Prop 20/40
- Stage #6 12112 - 12404 23' /69 shots**
5000 gal HCL & 165000 lbs Power Prop 20/40
- Stage #5 12447 - 12716 20' /60 shots**
5000 gal HCL & 165000 lbs Power Prop 20/40
- Stage #4 12748 - 12975 22' /66 shots**
5000 gal HCL & 140000 lbs Power Prop 20/40
- Stage #3 13001 - 13259 23' /69 shots**
5000 gal HCL & 145000 lbs Power Prop 20/40
- Stage #2 13308 - 13558 22' /66 shots**
5000 gal HCL & 140000 lbs Power Prop 20/40
- Stage #1 13599 - 13877 21' /63 shots**
5000 gal HCL & 140000 lbs Power Prop 20/40

- Marker Joint 1 at: 11,089 ft
- Marker Joint 2 at: 12,061 ft
- Marker Joint 3 at: 13,065 ft

- Landing Collar @ 13,976 ft
- Float Collar @ 14,025 ft
- Float Shoe @ 14,068 ft

CBP @ 13,568 ft

5" 18# HCP-110 STL @ 10830 - 14070 ft. MD
 Drift ID = 4.151"



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

RECOMPLETION

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		5. LEASE DESIGNATION AND SERIAL NUMBER:	
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME	
2. NAME OF OPERATOR:		8. WELL NAME and NUMBER:	
3. ADDRESS OF OPERATOR: CITY STATE ZIP		9. API NUMBER:	
PHONE NUMBER:		10 FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: U. S. B. & M.	
12. COUNTY		13. STATE UTAH	

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL):
18. TOTAL DEPTH: MD TVD	19. PLUG BACK T.D.: MD TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD TVD	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)			23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (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

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:	30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER: _____	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

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

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

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

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

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

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

Phone: 801-538-5340

Fax: 801-359-3940

Attachment to Well Completion Report

Form 8 Dated: _

Well Name: _

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom-MD)	Hole Size	No. of Holes	Perf. Status

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

Depth Interval	Amount and Type of Material

CENTRAL DIVISION

ALTAMONT FIELD
LAKE FORK RANCH 4-2B4
LAKE FORK RANCH 4-2B4
RECOMPLETE LAND

Operation Summary Report

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

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 4-2B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 4-2B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	8/15/2016	End date	
Spud Date/Time	6/5/2014	UWI	LAKE FORK RANCH 4-2B4
Active datum	KB @6,252.0ft (above Mean Sea Level)		
Afe No./Description	167032/57123 / LAKE FORK RANCH 4-2B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
8/16/2016	6:00 8:00	2.00	MIRU	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	8:00 9:00	1.00	MIRU	01		P		SLIDE PUMPING UNIT. RU RIG
	9:00 10:30	1.50	WOR	18		P		WORK PUMP OFF SEAT. FLUSH RODS W/ 70 BBLS 2% KCL WTR.
	10:30 13:00	2.50	WOR	39		P		TOOH NW/ 106 1' RODS, 135 7/8" RODS, 119 3/4" RODS, 16 WEIGHT RODS & 2-1/2" X 1-3/4" PUMP
	13:00 16:00	3.00	WOR	16		P		NIPPLE DOWN WELL HEAD. REMOVE B FLANGE & INSTALL PERFORATED PUP JT & TBG HANGER & LAND TBG ON TBG HANGER. NU & TEST FRAC VALVE & BOP.
	16:00 18:00	2.00	WOR	39		P		RU TBG SCANNING EQUIPMENT & TOOH, SCANNING 144 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVES CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG, CLOSED & CAPPED
8/17/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	39		P		TOOH W/ 144 JTS 2-7/8"EUE TBG, TAC, 4 JTS 2-7/8"EUE TBG,, 4' X 2-7/8" PUP JT, SEAT NIPPLE, 2' X 2-7/8"EUE PUP JT, 5-1/2" PBGA, 2 JTS 2-7/8"EUE TBG & SOLID NO/GO. RD TBG SCANNERS
	9:00 16:00	7.00	WLWORK	27		P		RIH W/ 6"OD GUAGE RING TO LINER TOP @ 10831'. POOH. RIH W/ 4"OD GUAGE RING TO 11210'. POOH. RIH & SET MAGNUM 15K CBP @ 11200'. POOH W/ SETTING TOOL. ROIH W/ DUMP BAILER & DUMP 15' CMT ON CBP. POOH
	16:00 17:00	1.00	WOR	06		P		FILL CSG W/ 265 BBLS 2% KCL WTR. SDFN W/ FRAC VALVE CLOSED, BLIND RAMS CLOSED & LOCKED 9BARRIERS 1 & 2) & CSG VALVES CLOSED & CAPPED.(BARRIERS 1 & 2)
8/18/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	18		P		PRESSURE TEST CSG & CBP TO 8000 PSI FOR 30 MINUTES. TESTED GOOD.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	9:00 16:00	7.00	WOR	18		P		RIH & SHOOT SQUEEZE SHOTS @ 10958'. POOH. ATTEMPT TO ESTABLISH INJECTION RATE W/ RIG PUMP. PRESSURE UP TO 5000 PSI. LOST 125 PSI IN 30 MINUTES. RU HALLIBURTON CMT PUMPER. PRESSURE TEST LINES TO 9197 PSI. BREAK DOWN SQUEEZE PERFS @ 6380 PSI PUMPING 1/2 BPM. ESTABLISH INJECTION RATE OF 5500 PSI @ 1/2 BPM. BLEED PRESSURE OFF WELL & RD CMT PUMPER RIH & SET CAST IRON CMT RETAINER @ 10953'. RD WIRELINE UNIT.
	16:00 19:00	3.00	WOR	39		P		RU HYDROTESTER. TIH W/ STINGER, 6 JTS 2-3/8"EUE TBG, X-OVER & 71 JTS 2-7/8"EUE TBG, TESTING ALL TBG TO 8500 PSI. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVE CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED
8/19/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 13:00	6.00	WOR	39		P		CONTINUE TIH W/ 251 JTS 2-7/8"EUE TBG. TAG CMT RETAINER SET @ 10953'. RD HYDROTESTER
	13:00 17:30	4.50	WOR	18		P		RU CMT EQUIPMENT. ESTABLISH CIRCULATION. STING INTO CMT RETAINER & ESTABLISH INJECTION RATE, 5840 PSI @ 1/2 BPM. MIX CMT PUMP 5 BBLs FRESH WTR. SPOT CMT 1 BBL FROM STINGER. STING INTO RETAINER. PUMP 1 BBL FRESH WTR & 6 BBLs CMT INTO RETAINER. UNSTING FROM RETAINER. REVERSE OUT W/ 126 BBLs 2% KCL WTR RECOVERED 2 BBLs CMT @ 63.5 BBLs INTO REVERSAL. RD CMT EQUIPMENT
	17:30 19:00	1.50	WOR	39		P		TOOH W/ 141 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVE CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED
8/20/2016	6:00 7:00	1.00	WOR	28		P		CREW TAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 9:30	2.50	WOR	39		P		CONTINUE TOH w 181-JTS OF 2-7/8" TBG L/D STINGER
	9:30 13:00	3.50	WOR	16		P		N/U 7" HCR GOAT HEAD 7" HCR AND TEST TO 9500 PSI TES GOOD SECURE WELL CLOSE 7" MASTER VALVE BARRIER 1 7" HCR VALVE AND LOCK BARRIER 2 2ND 7" HCR VALVE AND LOCK BARRIER 3 INSTALL NIGHT CAP BARRIER 4 CLOSE AND NIGHT CAP 7" CSG VALVES BARRIER 1 & 2 SDFW
8/23/2016	6:00 8:00	2.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	8:00 13:00	5.00	STG01	21		P		RU & TEST WIRELINE EQUIPMENT. RIH and shoot the intervals of STAGE 1 10700' TO 10938' with 3-1/8" TAG-RTG gun (with Titan's Perfecta Deep Penetrating 22.7 gm charges), 3 jspf, and 120° phasing. Pressure went from 1000 psi to 1100 psi while perforating All perforations are correlated to the Lone Wolf Wireline - Cement Bond Log, Gamma Ray, CCL (Run #1, 01/12/12). Overall footage to perforate is 23' net over 17 intervals (1 gun run).
	13:00 20:00	7.00	STG01	01		P		MIRU FRAC EQUIPMENT
8/24/2016	6:00 7:00	1.00	STG01	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 10:30	3.50	STG01	18		P		MIX ACID & PRESSURE TEST PUMP LINES
	10:30 12:00	1.50	STG01	35		P		BREAK DOWN STAGE 1 PERFORATIONS @ 5282 PSI, PUMPING 15 BPM. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 4111 PSI. FG .81. 5 MIN 3711 PSI. 10 MIN 3544 PSI. 15 MIN 3440 PSI. TREAT STAGE 1 PERFORATIONS W/ 22764 GALLONS 15% HCL ACID USING 2520 # ROCK SALT FOR DIVERSION IN 3 775 # STAGES. ISDP 3364 PSI. FINAL FG .74. MAX PSI 5827 PSI. AVG PSI 3568 PSI. MAX RATE 51BPM. AVG RATE 27.3 BPM. 1173 BBLs TO RECOVER. TURN WELL OVER TO WIRELINE

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	12:00 14:30	2.50	STG02	21		P		RU & TEST WIRELINE EQUIPMENT. RIH & SHOOT THE INTERVALS OF STAGE 2 10260' TO 10484' with 3-1/8" TAG-RTG GUN (W/ TITAN'S PERFECTA DEEP PENETRATING 22.7 GM CHARGES), 3JSPF, & 120° PHASING. PRESSURE WENT FROM 2200 psi to 1800 PSI WHILE PERFORATING
	14:30 16:30	2.00	STG02	35		P		BREAK DOWN STAGE 2 PERFORATIONS. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 2939 PSI. FG .58. 5 MIN 2105 PSI. 10 MIN 1918 PSI. 15 MIN 1770 PSI. TREAT STAGE 2 PERFORATIONS W/ 15665 GALLONS 15% HCL ACID USING 90 FOR DIVERSION IDROPPING 15 BALLS EVERY 3250 GALLONS ACID. STARTING AFTER FIRST 3250 GALLONS ACID (6 DROPS. ISDP 3361 PSI. FINAL FG .76. MAX PSI 4822 PSI. AVG PSI 3969 PSI. MAX RATE 50.3BPM. AVG RATE 43.8 BPM. 963 BBLs TO RECOVER. TURN WELL OVER TO WIRELINE
	16:30 19:00	2.50	STG03	21		P		RU & TEST WIRELINE EQUIPMENT. RIH & SHOOT THE INTERVALS OF STAGE 3, 10040' TO 10224' W/ 3-1/8" TAG-RTG GUN (W/ TITAN'S PERFECTA DEEP PENETRATING 22.7 GM CHARGES), 3JSPF, & 120° PHASING. PRESSURE WENT FROM 1300 PSI TO 1100 PSI WHILE PERFORATING
	19:00 20:00	1.00	STG03	35		P		BREAK DOWN STAGE 3 PERFORATIONS @ 2315 PSI, PUMPING 23 BPM. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 2063 PSI. FG .64. 5 MIN 1610 PSI. 10 MIN 1440 PSI. 15 MIN 1360 PSI. TREAT STAGE 3 PERFORATIONS W/ 18099 GALLONS 15% HCL ACID USING 84 FOR DIVERSION DROPPING 14 BALLS EVERY 2550 GALLONS ACID, STARTING AFTER FIRST 2550 GALLONS ACID (6 DROPS). ISDP 2380 PSI. FINAL FG .67. MAX PSI 3545 PSI. AVG PSI 3178 PSI. MAX RATE 50.5 BPM. AVG RATE 44.4 BPM. 990 BBLs TO RECOVER. TURN WELL OVER TO WIRELINE
	20:00 23:30	3.50	STG04	21		P		RU & TEST WIRELINE EQUIPMENT. RIH & SET CBP @ 10011'. ATTEMPT TO PERFORATE STAGE 4. PERF GUN SHOWED SHORT. POOH & CHANGE CCL. RIH & SHOOT THE INTERVALS OF STAGE 4, 9812' TO 9996' W/ 3-1/8" TAG-RTG GUN (W/ TITAN'S PERFECTA DEEP PENETRATING 22.7 GM CHARGES), 3JSPF, & 120° PHASING. PRESSURE WENT FROM 800 PSI TO 1000 PSI WHILE PERFORATING
	23:30 1:00	1.50	STG04	35		P		BREAK DOWN STAGE 4 PERFORATIONS @ 2573 PSI, PUMPING 26 BPM. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 1684 PSI. FG .60. 5 MIN 1283 PSI. 10 MIN 1206 PSI. 15 MIN 1175 PSI. TREAT STAGE 4 PERFORATIONS W/ 17500 GALLONS 15% HCL ACID USING 84 FOR DIVERSION DROPPING 14 BALLS EVERY 2550 GALLONS ACID, STARTING AFTER FIRST 2550 GALLONS ACID (6 DROPS). ISDP 1965 PSI. FINAL FG .63. MAX PSI 6903 PSI. AVG PSI 2148 PSI. MAX RATE 52.4 BPM. AVG RATE 22.5 BPM. 955 BBLs TO RECOVER. SHUT WELL IN W/ FRAC VALVE (BARRIER 1), BOTTOP HCR VALVE CLOSED & LOCKED (BARRIER 2). CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
	1:00 4:00	3.00	STG04	18		P		FAN OUT PUMPS & SECURE PUMP EQUIPMENT FOR NIGHT
	4:00 6:00	2.00	FB	19		P		OPEN WELL TO FLOW BACK TANK ON A 12/64" CHOKE
8/25/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	6:30 6:00	23.50	FB	19		P		FLOW WELL & RD WIRELINE & FRAC EQUIPMENT. RECOVERED 752 BBLs FLUID IN 24 HRS. PRESSURE @ REPORT TIME 400 PSI ON A 16/64" CHOKE
8/26/2016	6:00 7:00	1.00	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	7:00 6:00	23.00	FB	19		P		FLOW WELL. RECOVERED 752 BBLS WTR FLOWING @ 400 PSI ON A 16/64" CHOKE
8/27/2016	6:00 7:00	1.00	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	7:00 6:00	23.00	FB	19		P		RECOVERED 503 BBLS OIL & 273 BBLS WTR FLOWING @ 200 PSI ON A 20/64" CHOKE.
8/28/2016	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		RECOVERED 250 BBLS OIL & 209 BBLS WTR FLOWING @ 150 PSI ON A 20/64" CHOKE
8/29/2016	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		RECOVERED 205 BBLS OIL & 187 BBLS WTR FLOWING @ 75 PSI ON A 48/64" CHOKE
8/30/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 12:00	5.00	WOR	16		P		PUMP 50 BBLS 10PPG BRINE WTR DOWN CSG TO KILL WELL. ND FRAC STACK TO FRAC VALVE. NU & TEST BOP & SPHERICAL BOP.
	12:00 14:30	2.50	WOR	39		P		TIH W/ 6" BIT, BIT SUB & 311 JTS 2-7/8" EUE TBGTAG CBP SET @ 10011' WLM @ 10016' TBG MEASURE MENT
	14:30 15:30	1.00	WOR	18		P		RU POWER SWIVEL
	15:30 18:00	2.50	WOR	10		P		BREAK REVERSE CIRCULATION. DRILL CBP & CIRCULATE CLEAN. KILL TBG W/ 30 BBLS BRINE WTR. SWIVEL IN 1 JT EOT @ 10059'. TOOH W/ 12 JTS TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIER 1), SPHERICAL BOP CLOSED (BARRIER 2), CSG VALVES CLOSED W/ DOUBLE VALVES (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED (BARRIERS 1 & 2)
8/31/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 17:30	10.50	WOR	10		P		KILL TBG. TIH & DRILL CBPS @ 10239' & 10499', CIRCULATING CLEAN AFTER DRILLING EACH CBP & PUMPING 30 BBLS 10 PPG BRINE WTR DOWN TBG TO KILL FOR TIH. CHASE CBP REMAINS TO LINER TOP & FINISH DRILLING CBP. CIRCULATE CLEAN. KILL TBG W/ 30 BBLS 10PPG BRINE WTR. TOOH W/ 49 JTS 2-7/8" EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIER 1), SPHERICAL BOP CLOSED (BARRIER 2), CSG VALVES CLOSED W/ DOUBLE VALVES (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED (BARRIERS 1 & 2)
9/1/2016	6:00 7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON TOOH W/ TBG WRITE & REVIEW JSA'S
	7:00 9:00	2.00	WOR	06		P		SICP 250 PSI, SITP 175 PSI, CIRC WELL BORE W/ 270 BBLS BRINE WTR
	9:00 12:00	3.00	PRDHEQ	39		P		TOOH W/ 294 JTS 2-7/8" EUE L-80 TBG, BIT SUB & 6" ROCK BIT
	12:00 16:30	4.50	PRDHEQ	39		P		MU & RIH W/ 4-1/8" ROCK BIT, BIT SUB, 6 JTS 2-3/8" EUE L-80 TBG, 2-7/8" X 2-3/8" EUE X OVER & 328 JTS 2-7/8" EUE L-80 TBG, TAG @ 10830' TOP OF LINER, UNABLE TO WORK INTO LINER, RU POWER SWIVEL
	16:30 18:00	1.50	PRDHEQ	10		P		BREAK CIRC W/ 75 BBLS TREATED 2% KCL, CONT DRILL UP 7" CBP, CIRC TBG CLEAN, PUMP 15 BBLS BRINE DWN TBG, SWIVEL DWN 4 JTS 2-7/8" EUE L-80 TBG & TAG @ 10953', RD POWER SWIVEL
	18:00 19:00	1.00	PRDHEQ	39		P		POOH LD W/ 45 JTS 2-7/8" EUE L-80 TBG, EOT @ 9511', SECURE WELL, CLOSE & LOCK PIPE RAMS BARRIER 1, CLOSE ANNULAR BARRIER 2, CLOSE & NIGHT CAP TIW VALVE BARRIER 1 & 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, SDFN
9/2/2016	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (PUMPING PROCEDURES)

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	7:30 9:00	1.50	WOR	06		P		TSIP AND CSIP @ 250 PSI. CIRCULATE WELL W/ 250 BBLS BRINE CASING CONTINUE TO BLOW, PUMP ADDITIONAL 100 BBLS.
	9:00 13:00	4.00	WOR	39		P		LAY DOWN 15 JTS 2 7/8" COOH W/ 272 JTS 2 7/8" 8RD, L/D 2 3/8" WORK STRING BIT SUB AND BIT.
	13:00 21:30	8.50	INSTUB	39		P		PUMU AND RIH W/ 5 3/4" NO-GO, 2 JTS, 5 1/2" PBGA, 2' PUP JT, +45 PSN (NEW), 4 JTS, 7" KLX TAC, 267 JTS 2 7/8", 2 7/8" 8RD X 3 1/2" 8RD X/O, PU 55 JTS 3 /12" 8RD, SET TAC, TEMPORARY LAND TBG.RD WORK FLOOR, ND BOP AND NU B FLANGE AS PER PROCEDURE. INSTALL TIW VALVE W/ NIGHT CAP, SHUT CASING VALVES. INSTALL NIGHT CAPS.
9/3/2016	6:00 7:30	1.50	WOR	28		P		TGSM AND JSA (RUNNING RODS)
	7:30 8:30	1.00	WOR	18		P		STEAM CLEAN AND CLEAN UP AROUND WELL HEAD.
	8:30 9:30	1.00	WOR	06		P		FLUSH TUBING W/ 10 GAL INH AND KCL
	9:30 14:30	5.00	INARTLT	39		P		RIH W/ PUMP AND RODS PU AND LAYING DOWN RODS. 2 1/2" X 1 3/4" X 38' RHBC 17 1 1/2" WT BARS 120 3/4" W/G 94 7/8" W/G 131 1" (TOP 23 NEW SLICK) 60 1 1/8" SLICK 8',6',4',2' SUBS 1 1/2" X 40' P ROD.
	14:30 18:30	4.00	RDMO	02		P		F&T W/ 6 BBLS, L/S TO 1000 PSI GOOD TEST W/ GOOD PUMP ACTION. RD SLIDE UNIT, NO TAG TOT PRODUCTION DEPARTMENT. RACK OUT PUMP EQUIPMENT CT

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: Lake Fork Ranch 4-2B4
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013527220000
3. ADDRESS OF OPERATOR: 1001 LOUISIANA STREET RM 2038D , HOUSTON, TX, 77002	PHONE NUMBER: 713-997-5970
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1602 FSL 2375 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 2 Township: 2S Range: 4W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/17/2017	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 See attached plug drillout procedure. We plan to start work on 8/17/17.

Approved by the
August 18, 2017
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Jessica High	PHONE NUMBER 713 997-6632	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 8/17/2017	

Lake Fork Ranch 4-2 B4 Plug Drillout Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Pick up 4-1/8" rock bit, and run in hole to drill up (1) 5" CCR @10,953' and (1) 5" CBP @ 11,200' w/ 10' CMT and clean out to PBTD @ 13,568'.
- Pull out of hole with work string and rock bit.
- RIH w/ production tubing and rods according to WBD.
- Clean location and resume production.

CURRENT WBD:



Current WBD

Well Name: **Lake Fork Ranch 4-2B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°20'01.260" N Long: 110°18'09.325" W**
 Producing Zone(s): **Wasatch**

Last Updated: **8/16/2017**
 By: **Fondren/Walt**
 TD: **14,025**
 API: **43013527220000**
 AFE:

57 Jts 3-1/2" 9.3# L-80 8rd Tubing
3-1/2" x 2-7/8" XO @ ~1,824'
271 Jts 2-7/8" 6.5# N-80 8rd Tubing

ROD DETAIL

1-1/2" x 40' Polished Rod
XO
1-1/8" HD Pony Rods
 ~68 (1,700') - 1-1/8" HD Rods (slick)
 129 (3,225') - 1" EL Rods (new can be slick)
 16 (400') - 7/8" EL Rods W/ 4 GPR
 18 (450') - 7/8" EL Rods W/ 6 GPR
 54 (1,350') - 7/8" EL Rods W/ 4 GPR
 120 (3,000') - 3/4" EL Rods W/G
 17 (425') - 1 1/2" Sinker "K" Bars
 2 1/2" x 1-3/4" x 38' Insert Pump

13-3/8" 54.5# K-55 STC @ 961 ft. MD

Estimated TOC at: 8,620 ft MD CBL

9-5/8" 40# N-80 LT&C @ 5543 ft. MD

BHA Detail
Tubing Anchor @ 10,495'
4 jts 2-7/8" 6.5# N-80 8rd Tubing
Seating Nipple @ 10,631'
2' x 2 7/8" Tubing Sub
5 1/2" x 32' PBGA
2 jts 2-7/8" Mud Anchor
5 3/4" No-Go Nipple
EOT @ 10,730'

10,610' bottom of cement behind 7"

Top of Liner at: 10,830 ft MD CBL

7" 29# P-110 LT&C @ 11036 ft. MD

Drift ID = 6.059"

5" CMT Retainer @ 10,953'

CMT squeeze hole @ 10,958' (1'-3 SPF 120 phasing)

5" 15K CBP @ 11,200' w/ 15' cmt

Liner TOC at: 11,260 ft MD CBL

Marker Joint 1 at: 11,089 ft

Marker Joint 2 at: 12,061 ft

Marker Joint 3 at: 13,065 ft

Landing Collar @ 13,976 ft

Float Collar @ 14,025 ft

Float Shoe @ 14,068 ft

CBP @ 13,568 ft

5" 18# HCP-110 STL @ 10830 - 14070 ft. MD

Drift ID = 4.151"

2016 Recompletion Information

STG 4: 9,812' - 9,996' (21'/63 holes)	20,000 gals 15% HCl
STG 3: 10,040' - 10,224' (22'/66 holes)	20,000 gals 15% HCl
STG 2: 10,260' - 10,484' (22'/66 holes)	25,000 gals 15% HCl
STG 1: 10,700 - 10,938' (23'/69 holes)	25,000 gals 15% HCl

Initial Completion Information

Stage #7 11803 - 12074	23' /69 shots	5000 gal HCL & 160000 lbs Power Prop 20/40
Stage #6 12112 - 12404	23' /69 shots	5000 gal HCL & 165000 lbs Power Prop 20/40
Stage #5 12447 - 12716	20' /60 shots	5000 gal HCL & 165000 lbs Power Prop 20/40
Stage #4 12748 - 12975	22' /66 shots	5000 gal HCL & 140000 lbs Power Prop 20/40
Stage #3 13001 - 13259	23' /69 shots	5000 gal HCL & 145000 lbs Power Prop 20/40
Stage #2 13308 - 13558	22' /66 shots	5000 gal HCL & 140000 lbs Power Prop 20/40
Stage #1 13599 - 13877	21' /63 shots	5000 gal HCL & 140000 lbs Power Prop 20/40

PROPOSED WBD:



Proposed Commingled WBD

Well Name: **Lake Fork Ranch 4-2B4**
 Company Name: **EP Energy**
 Field, County, State: **Altamont, Duchesne, UT**
 Surface Location: **Lat: 40°20'01.260" N Long: 110°18'09.325" W**
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Last Updated: **8/16/2017**
 By: **Fondren**
 TD: **14,025**
 API: **43013527220000**
 AFE:

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 XO
 1-1/8" HD Pony Rods
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Initial Completion Information

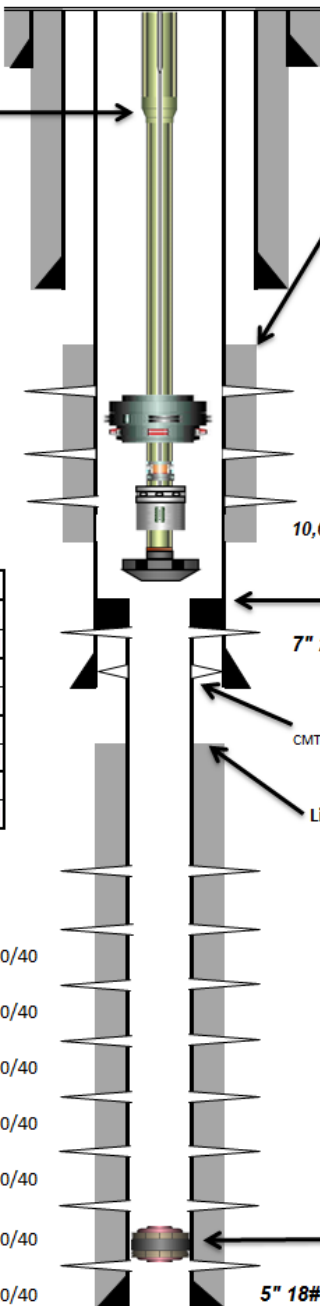
Stage #7	11803 - 12074	23' /69 shots	5000 gal HCl & 160000 lbs Power Prop 20/40
Stage #6	12112 - 12404	23' /69 shots	5000 gal HCl & 165000 lbs Power Prop 20/40
Stage #5	12447 - 12716	20' /60 shots	5000 gal HCl & 165000 lbs Power Prop 20/40
Stage #4	12748 - 12975	22' /66 shots	5000 gal HCl & 140000 lbs Power Prop 20/40
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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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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: Lake Fork Ranch 4-2B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013527220000	
3. ADDRESS OF OPERATOR: 1001 LOUISIANA STREET RM 2038D , HOUSTON, TX, 77002	PHONE NUMBER: 713-997-5970	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1602 FSL 2375 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 2 Township: 2S Range: 4W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/28/2017	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text" value="Plug Drill Out"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On behalf of EP Energy, please find attached the Operations Summary Report detailing the completed plug drill out procedure.</p>		
		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</p> <p>October 24, 2017</p>
NAME (PLEASE PRINT) Ashley Noonan	PHONE NUMBER 303-309-1594	TITLE Senior Regulatory Analyst

Sundry Number: 83697 API Well Number: 43013527220000

SIGNATURE
N/A

DATE
10/24/2017

1 General**1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	LAKE FORK RANCH 4-2B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 4-2B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	8/15/2016	End date	8/28/2017
Spud Date/Time	6/5/2014	UWI	LAKE FORK RANCH 4-2B4
Active datum	KB @6,252.0usft (above Mean Sea Level)		
Afe No./Description	167032/57123 / LAKE FORK RANCH 4-2B4		

2 Summary**2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
8/16/2016	6:00 8:00	2.00	MIRU	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	8:00 9:00	1.00	MIRU	01		P		SLIDE PUMPING UNIT. RU RIG
	9:00 10:30	1.50	WOR	18		P		WORK PUMP OFF SEAT. FLUSH RODS W/ 70 BBLs 2% KCL WTR.
	10:30 13:00	2.50	WOR	39		P		TOOH NW/ 106 1' RODS, 135 7/8" RODS, 119 3/4" RODS, 16 WEIGHT RODS & 2-1/2" X 1-3/4" PUMP
	13:00 16:00	3.00	WOR	16		P		NIPPLE DOWN WELL HEAD. REMOVE B FLANGE & INSTALL PERFORATED PUP JT & TBG HANGER & LAND TBG ON TBG HANGER. NU & TEST FRAC VALVE & BOP.
	16:00 18:00	2.00	WOR	39		P		RU TBG SCANNING EQUIPMENT & TOOH, SCANNING 144 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVES CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG, CLOSED & CAPPED
8/17/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	39		P		TOOH W/ 144 JTS 2-7/8"EUE TBG, TAC, 4 JTS 2-7/8"EUE TBG,, 4' X 2-7/8" PUP JT, SEAT NIPPLE, 2' X 2-7/8"EUE PUP JT, 5-1/2" PBGA, 2 JTS 2-7/8"EUE TBG & SOLID NO/GO. RD TBG SCANNERS
	9:00 16:00	7.00	WLWORK	27		P		RIH W/ 6"OD GUAGE RING TO LINER TOP @ 10831'. POOH. RIH W/ 4"OD GUAGE RING TO 11210'. POOH. RIH & SET MAGNUM 15K CBP @ 11200'. POOH W/ SETTING TOOL. ROIH W/ DUMP BAILER & DUMP 15' CMT ON CBP. POOH
	16:00 17:00	1.00	WOR	06		P		FILL CSG W/ 265 BBLs 2% KCL WTR. SDFN W/ FRAC VALVE CLOSED, BLIND RAMS CLOSED & LOCKED 9BARRIERS 1 & 2) & CSG VALVES CLOSED & CAPPED.(BARRIERS 1 & 2)
8/18/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	18		P		PRESSURE TEST CSG & CBP TO 8000 PSI FOR 30 MINUTES. TESTED GOOD.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	9:00 16:00	7.00	WOR	18		P		RIH & SHOOT SQUEEZE SHOTS @ 10958'. POOH. ATTEMPT TO ESTABLISH INJECTION RATE W/ RIG PUMP. PRESSURE UP TO 5000 PSI. LOST 125 PSI IN 30 MINUTES. RU HALLIBURTON CMT PUMPER. PRESSURE TEST LINES TO 9197 PSI. BREAK DOWN SQUEEZE PERFS @ 6380 PSI PUMPING 1/2 BPM. ESTABLISH INJECTION RATE OF 5500 PSI @ 1/2 BPM. BLEED PRESSURE OFF WELL & RD CMT PUMPER RIH & SET CAST IRON CMT RETAINER @ 10953'. RD WIRELINE UNIT.
	16:00 19:00	3.00	WOR	39		P		RU HYDROTESTER. TIH W/ STINGER, 6 JTS 2-3/8"EUE TBG, X-OVER & 71 JTS 2-7/8"EUE TBG, TESTING ALL TBG TO 8500 PSI. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVE CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED
8/19/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 13:00	6.00	WOR	39		P		CONTINUE TIH W/ 251 JTS 2-7/8"EUE TBG. TAG CMT RETAINER SET @ 10953'. RD HYDROTESTER
	13:00 17:30	4.50	WOR	18		P		RU CMT EQUIPMENT. ESTABLISH CIRCULATION. STING INTO CMT RETAINER & ESTABLISH INJECTION RATE, 5840 PSI @ 1/2 BPM. MIX CMT PUMP 5 BBLs FRESH WTR. SPOT CMT 1 BBL FROM STINGER. STING INTO RETAINER. PUMP 1 BBL FRESH WTR & 6 BBLs CMT INTO RETAINER. UNSTING FROM RETAINER. REVERSE OUT W/ 126 BBLs 2% KCL WTR RECOVERED 2 BBLs CMT @ 63.5 BBLs INTO REVERSAL. RD CMT EQUIPMENT
	17:30 19:00	1.50	WOR	39		P		TOOH W/ 141 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED, CSG VALVE CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED
8/20/2016	6:00 7:00	1.00	WOR	28		P		CREW TAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 9:30	2.50	WOR	39		P		CONTINUE TOH w 181-JTS OF 2-7/8" TBG L/D STINGER
	9:30 13:00	3.50	WOR	16		P		N/U 7" HCR GOAT HEAD 7" HCR AND TEST TO 9500 PSI TES GOOD SECURE WELL CLOSE 7" MASTER VALVE BARRIER 1 7" HCR VALVE AND LOCK BARRIER 2 2ND 7" HCR VALVE AND LOCK BARRIER 3 INSTALL NIGHT CAP BARRIER 4 CLOSE AND NIGHT CAP 7" CSG VALVES BARRIER 1 & 2 SDFW
8/23/2016	6:00 8:00	2.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	8:00 13:00	5.00	STG01	21		P		RU & TEST WIRELINE EQUIPMENT. RIH and shoot the intervals of STAGE 1 10700' TO 10938' with 3-1/8" TAG-RTG gun (with Titan's Perfecta Deep Penetrating 22.7 gm charges), 3 jspf, and 120° phasing. Pressure went from 1000 psi to 1100 psi while perforating All perforations are correlated to the Lone Wolf Wireline - Cement Bond Log, Gamma Ray, CCL (Run #1, 01/12/12). Overall footage to perforate is 23' net over 17 intervals (1 gun run).
	13:00 20:00	7.00	STG01	01		P		MIRU FRAC EQUIPMENT
8/24/2016	6:00 7:00	1.00	STG01	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 10:30	3.50	STG01	18		P		MIX ACID & PRESSURE TEST PUMP LINES
	10:30 12:00	1.50	STG01	35		P		BREAK DOWN STAGE 1 PERFORATIONS @ 5282 PSI, PUMPING 15 BPM. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 4111 PSI. FG .81. 5 MIN 3711 PSI. 10 MIN 3544 PSI. 15 MIN 3440 PSI. TREAT STAGE 1 PERFORATIONS W/ 22764 GALLONS 15% HCL ACID USING 2520 # ROCK SALT FOR DIVERSION IN 3 775 # STAGES. ISDP 3364 PSI. FINAL FG .74. MAX PSI 5827 PSI. AVG PSI 3568 PSI. MAX RATE 51BPM. AVG RATE 27.3 BPM. 1173 BBLs TO RECOVER. TURN WELL OVER TO WIRELINE

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	12:00 14:30	2.50	STG02	21		P		RU & TEST WIRELINE EQUIPMENT. RIH & SHOOT THE INTERVALS OF STAGE 2 10260' TO 10484' with 3-1/8" TAG-RTG GUN (W/ TITAN'S PERFECTA DEEP PENETRATING 22.7 GM CHARGES), 3JSPF, & 120° PHASING. PRESSURE WENT FROM 2200 psi to 1800 PSI WHILE PERFORATING
	14:30 16:30	2.00	STG02	35		P		BREAK DOWN STAGE 2 PERFORATIONS. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 2939 PSI. FG .58. 5 MIN 2105 PSI. 10 MIN 1918 PSI. 15 MIN 1770 PSI. TREAT STAGE 2 PERFORATIONS W/ 15665 GALLONS 15% HCL ACID USING 90 FOR DIVERSION IDROPPING 15 BALLS EVERY 3250 GALLONS ACID. STARTING AFTER FIRST 3250 GALLONS ACID (6 DROPS. ISDP 3361 PSI. FINAL FG .76. MAX PSI 4822 PSI. AVG PSI 3969 PSI. MAX RATE 50.3BPM. AVG RATE 43.8 BPM. 963 BBLs TO RECOVER. TURN WELL OVER TO WIRELINE
	16:30 19:00	2.50	STG03	21		P		RU & TEST WIRELINE EQUIPMENT. RIH & SHOOT THE INTERVALS OF STAGE 3, 10040' TO 10224' W/ 3-1/8" TAG-RTG GUN (W/ TITAN'S PERFECTA DEEP PENETRATING 22.7 GM CHARGES), 3JSPF, & 120° PHASING. PRESSURE WENT FROM 1300 PSI TO 1100 PSI WHILE PERFORATING
	19:00 20:00	1.00	STG03	35		P		BREAK DOWN STAGE 3 PERFORATIONS @ 2315 PSI, PUMPING 23 BPM. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 2063 PSI. FG .64. 5 MIN 1610 PSI. 10 MIN 1440 PSI. 15 MIN 1360 PSI. TREAT STAGE 3 PERFORATIONS W/ 18099 GALLONS 15% HCL ACID USING 84 FOR DIVERSION DROPPING 14 BALLS EVERY 2550 GALLONS ACID, STARTING AFTER FIRST 2550 GALLONS ACID (6 DROPS). ISDP 2380 PSI. FINAL FG .67. MAX PSI 3545 PSI. AVG PSI 3178 PSI. MAX RATE 50.5 BPM. AVG RATE 44.4 BPM. 990 BBLs TO RECOVER. TURN WELL OVER TO WIRELINE
	20:00 23:30	3.50	STG04	21		P		RU & TEST WIRELINE EQUIPMENT. RIH & SET CBP @ 10011'. ATTEMPT TO PERFORATE STAGE 4. PERF GUN SHOWED SHORT. POOH & CHANGE CCL. RIH & SHOOT THE INTERVALS OF STAGE 4, 9812' TO 9996' W/ 3-1/8" TAG-RTG GUN (W/ TITAN'S PERFECTA DEEP PENETRATING 22.7 GM CHARGES), 3JSPF, & 120° PHASING. PRESSURE WENT FROM 800 PSI TO 1000 PSI WHILE PERFORATING
	23:30 1:00	1.50	STG04	35		P		BREAK DOWN STAGE 4 PERFORATIONS @ 2573 PSI, PUMPING 26 BPM. BRING RATE TO 50 BPM. PERFORM STEP RATE SHUT DOWN. ISIP 1684 PSI. FG .60. 5 MIN 1283 PSI. 10 MIN 1206 PSI. 15 MIN 1175 PSI. TREAT STAGE 4 PERFORATIONS W/ 17500 GALLONS 15% HCL ACID USING 84 FOR DIVERSION DROPPING 14 BALLS EVERY 2550 GALLONS ACID, STARTING AFTER FIRST 2550 GALLONS ACID (6 DROPS). ISDP 1965 PSI. FINAL FG .63. MAX PSI 6903 PSI. AVG PSI 2148 PSI. MAX RATE 52.4 BPM. AVG RATE 22.5 BPM. 955 BBLs TO RECOVER. SHUT WELL IN W/ FRAC VALVE (BARRIER 1), BOTTOP HCR VALVE CLOSED & LOCKED (BARRIER 2). CSG VALVES CLOSED & CAPPED (BARRIERS 1 & 2).
	1:00 4:00	3.00	STG04	18		P		FAN OUT PUMPS & SECURE PUMP EQUIPMENT FOR NIGHT
	4:00 6:00	2.00	FB	19		P		OPEN WELL TO FLOW BACK TANK ON A 12/64" CHOKE
8/25/2016	6:00 6:30	0.50	FB	28		P		HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	6:30 6:00	23.50	FB	19		P		FLOW WELL & RD WIRELINE & FRAC EQUIPMENT. RECOVERED 752 BBLs FLUID IN 24 HRS. PRESSURE @ REPORT TIME 400 PSI ON A 16/64" CHOKE
8/26/2016	6:00 7:00	1.00	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00 6:00	23.00	FB	19		P		FLOW WELL. RECOVERED 752 BBLS WTR FLOWING @ 400 PSI ON A 16/64" CHOKE
8/27/2016	6:00 7:00	1.00	FB	28		P		HOLD SAFETY MEETING ON FLOW BACK OPERATIONS. FILL OUT & REVIEW JSA
	7:00 6:00	23.00	FB	19		P		RECOVERED 503 BBLS OIL & 273 BBLS WTR FLOWING @ 200 PSI ON A 20/64" CHOKE.
8/28/2016	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		RECOVERED 250 BBLS OIL & 209 BBLS WTR FLOWING @ 150 PSI ON A 20/64" CHOKE
8/29/2016	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		RECOVERED 205 BBLS OIL & 187 BBLS WTR FLOWING @ 75 PSI ON A 48/64" CHOKE
8/30/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 12:00	5.00	WOR	16		P		PUMP 50 BBLS 10PPG BRINE WTR DOWN CSG TO KILL WELL. ND FRAC STACK TO FRAC VALVE. NU & TEST BOP & SPHERICAL BOP.
	12:00 14:30	2.50	WOR	39		P		TIH W/ 6" BIT, BIT SUB & 311 JTS 2-7/8" EUE TBGTAG CBP SET @ 10011' WLM @ 10016' TBG MEASURE MENT
	14:30 15:30	1.00	WOR	18		P		RU POWER SWIVEL
	15:30 18:00	2.50	WOR	10		P		BREAK REVERSE CIRCULATION. DRILL CBP & CIRCULATE CLEAN. KILL TBG W/ 30 BBLS BRINE WTR. SWIVEL IN 1 JT EOT @ 10059'. TOOH W/ 12 JTS TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIER 1), SPHERICAL BOP CLOSED (BARRIER 2), CSG VALVES CLOSED W/ DOUBLE VALVES (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED (BARRIERS 1 & 2)
8/31/2016	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 17:30	10.50	WOR	10		P		KILL TBG. TIH & DRILL CBPS @ 10239' & 10499', CIRCULATING CLEAN AFTER DRILLING EACH CBP & PUMPING 30 BBLS 10 PPG BRINE WTR DOWN TBG TO KILL FOR TIH. CHASE CBP REMAINS TO LINER TOP & FINISH DRILLING CBP. CIRCULATE CLEAN. KILL TBG W/ 30 BBLS 10PPG BRINE WTR. TOOH W/ 49 JTS 2-7/8" EUE TBG. SDFN W/ PIPE RAMS CLOSED & LOCKED (BARRIER 1), SPHERICAL BOP CLOSED (BARRIER 2), CSG VALVES CLOSED W/ DOUBLE VALVES (BARRIERS 1 & 2) & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED (BARRIERS 1 & 2)
9/1/2016	6:00 7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON TOOH W/ TBG WRITE & REVIEW JSA'S
	7:00 9:00	2.00	WOR	06		P		SICP 250 PSI, SITP 175 PSI, CIRC WELL BORE W/ 270 BBLS BRINE WTR
	9:00 12:00	3.00	PRDHEQ	39		P		TOOH W/ 294 JTS 2-7/8" EUE L-80 TBG, BIT SUB & 6" ROCK BIT
	12:00 16:30	4.50	PRDHEQ	39		P		MU & RIH W/ 4-1/8" ROCK BIT, BIT SUB, 6 JTS 2-3/8" EUE L-80 TBG, 2-7/8" X 2-3/8" EUE X OVER & 328 JTS 2-7/8" EUE L-80 TBG, TAG @ 10830' TOP OF LINER, UNABLE TO WORK INTO LINER, RU POWER SWIVEL
	16:30 18:00	1.50	PRDHEQ	10		P		BREAK CIRC W/ 75 BBLS TREATED 2% KCL, CONT DRILL UP 7" CBP, CIRC TBG CLEAN, PUMP 15 BBLS BRINE DWN TBG, SWIVEL DWN 4 JTS 2-7/8" EUE L-80 TBG & TAG @ 10953', RD POWER SWIVEL
	18:00 19:00	1.00	PRDHEQ	39		P		POOH LD W/ 45 JTS 2-7/8" EUE L-80 TBG, EOT @ 9511', SECURE WELL, CLOSE & LOCK PIPE RAMS BARRIER 1, CLOSE ANNULAR BARRIER 2, CLOSE & NIGHT CAP TIW VALVE BARRIER 1 & 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, SDFN
9/2/2016	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA (PUMPING PROCEDURES)

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 9:00	1.50	WOR	06		P		TSIP AND CSIP @ 250 PSI. CIRCULATE WELL W/ 250 BBLS BRINE CASING CONTINUE TO BLOW, PUMP ADDITIONAL 100 BBLS.
	9:00 13:00	4.00	WOR	39		P		LAY DOWN 15 JTS 2 7/8" COOH W/ 272 JTS 2 7/8" 8RD, L/D 2 3/8" WORK STRING BIT SUB AND BIT.
	13:00 21:30	8.50	INSTUB	39		P		PUMU AND RIH W/ 5 3/4" NO-GO, 2 JTS, 5 1/2" PBGA, 2" PUP JT, +45 PSN (NEW), 4 JTS, 7" KLX TAC, 267 JTS 2 7/8", 2 7/8" 8RD X 3 1/2" 8RD X/O, PU 55 JTS 3 /12" 8RD, SET TAC, TEMPORARY LAND TBG, RD WORK FLOOR, ND BOP AND NU B FLANGE AS PER PROCEDURE. INSTALL TIW VALVE W/ NIGHT CAP, SHUT CASING VALVES. INSTALL NIGHT CAPS.
9/3/2016	6:00 7:30	1.50	WOR	28		P		TGSM AND JSA (RUNNING RODS)
	7:30 8:30	1.00	WOR	18		P		STEAM CLEAN AND CLEAN UP AROUND WELL HEAD.
	8:30 9:30	1.00	WOR	06		P		FLUSH TUBING W/ 10 GAL INH AND KCL
	9:30 14:30	5.00	INARTLT	39		P		RIH W/ PUMP AND RODS PU AND LAYING DOWN RODS. 2 1/2" X 1 3/4" X 38' RHBC 17 1 1/2" WT BARS 120 3/4" W/G 94 7/8" W/G 131 1" (TOP 23 NEW SLICK) 60 1 1/8" SLICK 8',6',4',2' SUBS 1 1/2" X 40' P ROD.
	14:30 18:30	4.00	RDMO	02		P		F&T W/ 6 BBLS, L/S TO 1000 PSI GOOD TEST W/ GOOD PUMP ACTION. RD SLIDE UNIT, NO TAG TOT PRODUCTION DEPARTMENT. RACK OUT PUMP EQUIPMENT CT
8/18/2017	6:00 7:00	1.00	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON DAILY OPERATIONS. FILL OUT & REVIEW JSA
	7:00 9:00	2.00	WOR	18		P		WAIT ON APPROVAL FROM BLM
	9:00 10:00	1.00	WOR	01		P		RU PEAK 1500
	10:00 14:00	4.00	WOR	18		P		LD POLISH ROD & PONY RODS. POOH W/ 60 1-1/8" RODS & 11 1" RODS. ROD BOX WAS PARTED ON BOTTOM OF # 11 1" ROD @ 1775'. RIH & FISH PARTED RODS. WHILE ATTEMPTING TO WORK PUMP OFF SEAT, 1-1/8" RODS PARTED @ 500'. PIN PULLED OUT OF BOX 20 RODS DOWN @ 500'. POOH W/ 20 1-1/8" RODS. RIH & SCREW INTO ROD STRING. RODS PULLED OUT OF ROD BOX @ SAME DEPTH WHILE ATTEMPTING TO WORK PUMP OFF SEAT. LD 20 1-1/8" RODS.
	14:00 16:30	2.50	WOR	16		P		ND WELL HEAD. LAND TBG ON TBG HANGER W/ 8' X 3-1/2" PUP JT BELOW TBG HANGER & 2 WAY CHECK VALVE INSTALLED IN TBG HANGER. NU & TEST BOP & ANNULAR BOP TO 4000 PSI. REMOVE 2 WAY CHECK VALVE FROM TBG HANGER.
	16:30 18:30	2.00	WOR	39		P		WORK TBG TO RELEASE TAC. TOOH W/ 16 JTS 3-1/2" EUE TBG. PU ON ROD STRING & WORK PUMP OFF SEAT. LD 5 1-1/8" RODS. INSTALL PUMPING TEE IN TBG & PU POLISH ROD.
	18:30 19:30	1.00	WOR	06		P		FLUSH RODS & TBG W/ 60 BBLS 2% KCL WTR, WORKING ROD STRING AS NEEDED TO KEEP PRESSURE BELOW 1000 PSI. SDFN W/ PIPE RAMS CLOSED & LOCKED, ANNULAR BOP CLOSED, CSG OPEN TO TREATER ON TREATER SIDE, OFF TREATER SIDE CSG VALVE CLOSED & CAPPED & ALL VALVES ON PUMPING TEE CLOSED & CAPPED.
8/19/2017	6:00 7:00	1.00	UNINARTLT	03		P		TRAVEL TO LOC HSM WRITE AND REVIEW DAILY OPERATIONS ON JSA
	7:00 12:00	5.00	UNINARTLT	03		P		SIWP= 0 PSI OPEN WELL FLUSH TUB AND RODS CONTINUE TO POOH W/ ROD TAPER LD PUMP, CHANGE EQUIP TO TUBING
	12:00 14:00	2.00	UNINSTUB	03		P		POOH W/ 3-1/2" TUBING, CHANGE HANDLING EQUIP TO 2-7/8" LAND TUB ON HNGR W/ TIW VALVE CHANGE PIPE RAMS TO 2-7/8" AND TEST MIRU TUBING SCANNERS

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	14:00 18:00	4.00	UNINSTUB	03		P		POOH W/ 271 JNTS 267 YELLOW BAND 3 BLUE BAND AND 1 RED BAND RD SCANNERS CHANGE EQUIP TO 2-3/8" CLOSE AND LOCK BLIND RAMS OPEN CSG TO SALES CLOSE OPOSING CSG VALVE W/ BULL PLUG SET UP CAT WALK AND PIPE RACKS SDFW
8/22/2017	7:00 8:00	1.00	WOR	28		P		CREW TRAVEL, WRITE & REVIEW JSA'S
	8:00 14:00	6.00	WOR	24		P		SICP 60 PSI, BWD, MU 4 1/8" BIT RIH TALLYING TBG, TAG CICR @ 10,953'.
	14:00 19:00	5.00	WOR	18		P		RU SWIVEL, PUMP 2060 BBLS 2% KCL @ 8.5 BPM TRYING TO CATCH CIRC. NO LUCK, RN SWIVEL POOH ABOVE LINER, TRIP FOR BAILER IN MORNING, CLOSE & LOCK PIPE RAMS BARRIER 1, CLOSE HYDRILL BARRIER 2, CLOSE OFF SIDE 7" CSG VALVE WITH NIGHT CAP BARRIERS 1 & 2, OPEN TREATER SIDE TO SALES. WELL SECURE ..SDFN...
8/23/2017	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, WRITE & REVIEW JSA'S
	7:00 11:00	4.00	WOR	39		P		SITP 10 PSI, SICP 10 PSI, BWD, POOH W/ TBG,LAY DN 4 1/8" TRI-CONE BIT.
	11:00 16:00	5.00	WOR	39		P		PU & MU 4 1/8" INSERT MILL & BAILER ASSY. RIH W/ TBG. TAG CICR @ 10,953'. PU POWER SWIVEL PREP TO DRILL OUT CICR & CBP IN AM CLOSE & LOCK PIPE RAMS BARRIER 1, CLOSE HYDRILL BARRIER 2, INSTALL & CLOSE TIW VALVE W/ NIGHT CAP BARRIER'S 1&2, CLOSE OFF SIDE 7" CSG VALVE W/ NIGHT CAP, OPEN BATTERY SIDE TO SALES.
8/24/2017	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, WRITE & REVIEW JSA'S
	7:00 17:30	10.50	WOR	18		P		SITP VAC, SICP 50 PSI,BWD, RIH RU SWIVEL, MILL & BAIL ON CICR @ 10,953' 45 MINS CHASE TO 11,185' CONT MILLING & BAILING ON REMAINS OF CICR & 5" 15K CBP, @ 11,200' (8hrs) CIH TAGGED @ 12,464'. WORKED TO 33K OVER TO GET FREE . PU SWIVEL MILL ON TIGHT SPOT 30 MINS LOST 2,000# ON WT. INDICATOR
	17:30 19:00	1.50	WOR	18		P		RD SWIVEL, PULL ABOVE LT W/ 25 STDS. CLOSE & LOCK PIPE RAMS, CLOSE ANNULAR , BARRIER'S 1& 2, INSTALL TIW CLOSE INSTALL NIGHT CAP, BARRIER'S 1& 2,CLOSE OFF SIDE 7" CSG VALVE INSTALL NIGHT CAP, OPEN BATTERY SIDE TO SALES WELL SECURE ..SDFN...
8/25/2017	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, WRITE & REVIEW JSA'S
	7:00 16:00	9.00	WOR	18		P		SICP 50 PSI, SITP VAC. RIH RU SWIVEL MILL OUT TIGHT SPOTS @ 12,464'- 468' (5' IN 3HRS,) 12,517-521' (4' IN 1HR,) 13,339'-372' (4' 30 MINS), 13,402-404'(2' 45 MINS) RIH TAG @ 13,823', TD
	16:00 18:30	2.50	WOR	39		P		POOH LAYING DN EXCESS TBG, EOT @ ####. CLOSE & LOCK PIPE RAMS & HYDRILL BARRIER'S 1&2, INSTALL TIW VALVE CLOSE INSTALL NIGHT CAP BARRIER'S 1&2, CLOSE OFF SIDE 7" CSG VALVE INSTALL NIGHT CAP BARRIER'S 1&2, OPEN TREATER SIDE TO SALES...WELL SECURE ..SDFN...
8/26/2017	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 12:13	5.22	WOR	39		P		TOH w 289-JTS OF 2-7/8" TBG L/D 89-JTS OF 2-3/8" TBG L/D BAILER
	12:13 19:30	7.28	WOR	39		P		MIRU HYDROTEST TOOLS P/U 5-3/4" NO-GO, 2-JTS OF 2-7/8" TBG, 5-1/2" PBGA, 2' X 2-7/8" TBG SUB, 4' X 2-7/8" TBG SUB, 2-7/8" PSN, 4-JTS OF 2-7/8" TBG, 7" TAC, 267-JTS OF 2-7/8" TBG, XO 3-1/2" X 2-7/8", 55-JTS OF 3-1/2" TBG, ALL JTS TESTED TO 8500 PSI R/D HYDROTEST TOOLS SET 7" TAC AT 10496' w 25K TENTION LAND TBG ON HANGER CLOSE HYDRILL BARRIER 1 & 2 INSTALL TIW VALVE w NIGH CAP BARRIER 1 & 2 SDFW
8/29/2017	6:00 8:00	2.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	8:00 10:52	2.87	WOR	16		P		CSIP 75 PSI TSIP 0 PSI BLEED OF WELL N/D HYDRIL AND BOP N/U WELL HEAD
	10:52 16:14	5.37	WOR	39		P		P/U AND PRIME 2-1/2" X 1-3/4" X 38' RHBC PUMP 17-1-1/2" C BARS 120-3/4" RODS 94-7/8" RODS 131-1" RODS REPLACE 20 ACROSS PART AT 1775', 60-1-1/8" RODS REPLACE 2-1-1/8" ACROSS PART AT 500' FILL TBG w 30 BBLS OF 2% KCL ATEMPT TO TEST STUFFING BOX BAD LEAKING AT GASKET
	16:14 17:10	0.93	WOR	13		N		WAIT ON NEW STUFFING BOX FROM YARD
	17:10 17:25	0.25	WOR	13		P		TEST AND STROKE TEST TO 1000 PSI GOOD
	17:25 17:25	0.00	RDMO	02		P		RDMO RIG SLIDE UNIT TRUN WELL OVER TO PRODUCTION

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

FORM 9

5 LEASE DESIGNATION AND SERIAL NUMBER
(see attached)

SUNDRY NOTICES AND REPORTS ON WELLS

6 IF INDIAN, ALLOTTEE OR TRIBE NAME
(see attached)

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

7 UNIT or CA AGREEMENT NAME
(see attached)

1 TYPE OF WELL OIL WELL GAS WELL OTHER (see attached)

8 WELL NAME and NUMBER
(see attached)

2 NAME OF OPERATOR
Javelin Energy Partners Management, LLC

9 API NUMBER
(attached)

3 ADDRESS OF OPERATOR
5221 N. O'Connor Blvd #1100, Irving, TX 75039

PHONE NUMBER
(469) 575-3800

10 FIELD AND POOL, OR WILDCAT
(see attached)

4 LOCATION OF WELL
FOOTAGES AT SURFACE _____ COUNTY: (see attached)
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN _____ STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start <u>7/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
This Sundry is to serve as notification of the formal name change of operator from EP Energy E&P Company, L.P. to Javelin Energy Partners Management LLC effective March 30, 2022.

Previous Name: EP Energy E&P Company, L.P.
601 Travis Street, Suite 1400
Houston, Texas 77002

New Name: Javelin Energy Partners Management LLC
5521 North O'Connor BLVD, Suite 1100
Irving, Texas 75039

NAME (PLEASE PRINT) Mandie Crozier TITLE Sr. Regulatory Specialist
SIGNATURE *Mandie Crozier* DATE 7/1/2022

(This space for State use only)

APPROVED
By *rachelmedina* at 10:43 am, Aug 19, 2022