

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Lake Fork Ranch 3-10B4								
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> ALTAMONT								
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>								
<b>6. NAME OF OPERATOR</b> EL PASO E&P COMPANY, LP						<b>7. OPERATOR PHONE</b> 713 420-5038								
<b>8. ADDRESS OF OPERATOR</b> 1001 Louisiana St., Houston, TX, 77002						<b>9. OPERATOR E-MAIL</b> maria.gomez@elpaso.com								
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee</b>			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>								
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Lake Fork Ranch, Inc.						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-454-3546								
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> HC 65, Box 510048, Mountain Home, UT 84051						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>								
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>								
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>		<b>SECTION</b>		<b>TOWNSHIP</b>		<b>RANGE</b>		<b>MERIDIAN</b>		
LOCATION AT SURFACE		1754 FSL 690 FEL		NESE		10		2.0 S		4.0 W		U		
Top of Uppermost Producing Zone		1754 FSL 690 FEL		NESE		10		2.0 S		4.0 W		U		
At Total Depth		1754 FSL 690 FEL		NESE		10		2.0 S		4.0 W		U		
<b>21. COUNTY</b> DUCHEсне			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 690			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640								
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1800			<b>26. PROPOSED DEPTH</b> MD: 14450 TVD: 14450								
<b>27. ELEVATION - GROUND LEVEL</b> 6250			<b>28. BOND NUMBER</b> 400JU0708			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-8362								
<b>Hole, Casing, and Cement Information</b>														
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight				
COND	17.5	13.375	0 - 600	54.5	J-55 ST&C	8.9	Class G	400	1.15	15.6				
SURF	12.25	9.625	0 - 4500	40.0	K-55 LT&C	10.0	Premium Lite High Strength	1060	1.78	12.0				
							Class G	190	1.25	14.1				
I1	8.75	7	0 - 10877	29.0	P-110 LT&C	13.0	Premium Lite High Strength	570	1.78	12.0				
							Class G	40	2.3	12.5				
L1	6.125	4.5	10677 - 14450	15.1	P-110 LT&C	13.0	Class G	260	1.53	14.1				
<b>ATTACHMENTS</b>														
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>														
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN								
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP								
<b>NAME</b> Maria S. Gomez				<b>TITLE</b> Sr. Regulatory Analyst				<b>PHONE</b> 713 420-5038						
<b>SIGNATURE</b>				<b>DATE</b> 05/02/2011				<b>EMAIL</b> maria.gomez@elpaso.com						
<b>API NUMBER ASSIGNED</b> 43013507120000				<b>APPROVAL</b>				 Permit Manager						

**Lake Fork Ranch 3-10B4  
Sec. 10, T2S, R4W  
DUCHESE COUNTY, UT  
Revised 8/2/2011**

**EL PASO E&P COMPANY, L.P.**

**DRILLING PROGRAM**

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

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	5,928'
Green River (GRTN1)	6,928'
Mahogany Bench	7,942'
L. Green River	9,302'
Wasatch	10,777'
T.D. (Permit)	14,450'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	5,928'
	Green River (GRTN1)	6,928'
	Mahogany Bench	7,942'
Oil	L. Green River	9,302'
Oil	Wasatch	10,777'

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

A 4.5" by 20.0" rotating head on structural pipe from surface to 600'. A 4.5" by 13 3/8" Smith Rotating Head from 600' to 4500' on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 4,500' to 10,877'. A 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 10,877' to TD.

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

**OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:**

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi Annular will be 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 1500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test and 4,000 psi high test. The 10M BOP will be installed

with 3 1/2" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

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

**Statement on Accumulator System and Location of Hydraulic Controls:**

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

**Auxiliary Equipment:**

- A) Mud logger with gas monitor – 5,800' to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shaker, desander and desilter.

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

Please refer to the attached Wellbore Diagram.

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

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

Cement design calculations will be based on 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. 50% excess over gauge volume will be pumped on surface casing.

**5. Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 8.9
Intermediate	WBM	8.4 – 10.0
Production	WBM	10.0 – 13.0

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: 5,800 - TD.

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

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 14,450' TD equals approximately 9,768 psi. This is calculated based on a 0.676 psi/foot gradient (13 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,590 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 10,877' = 8,702 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 6,590 psi.

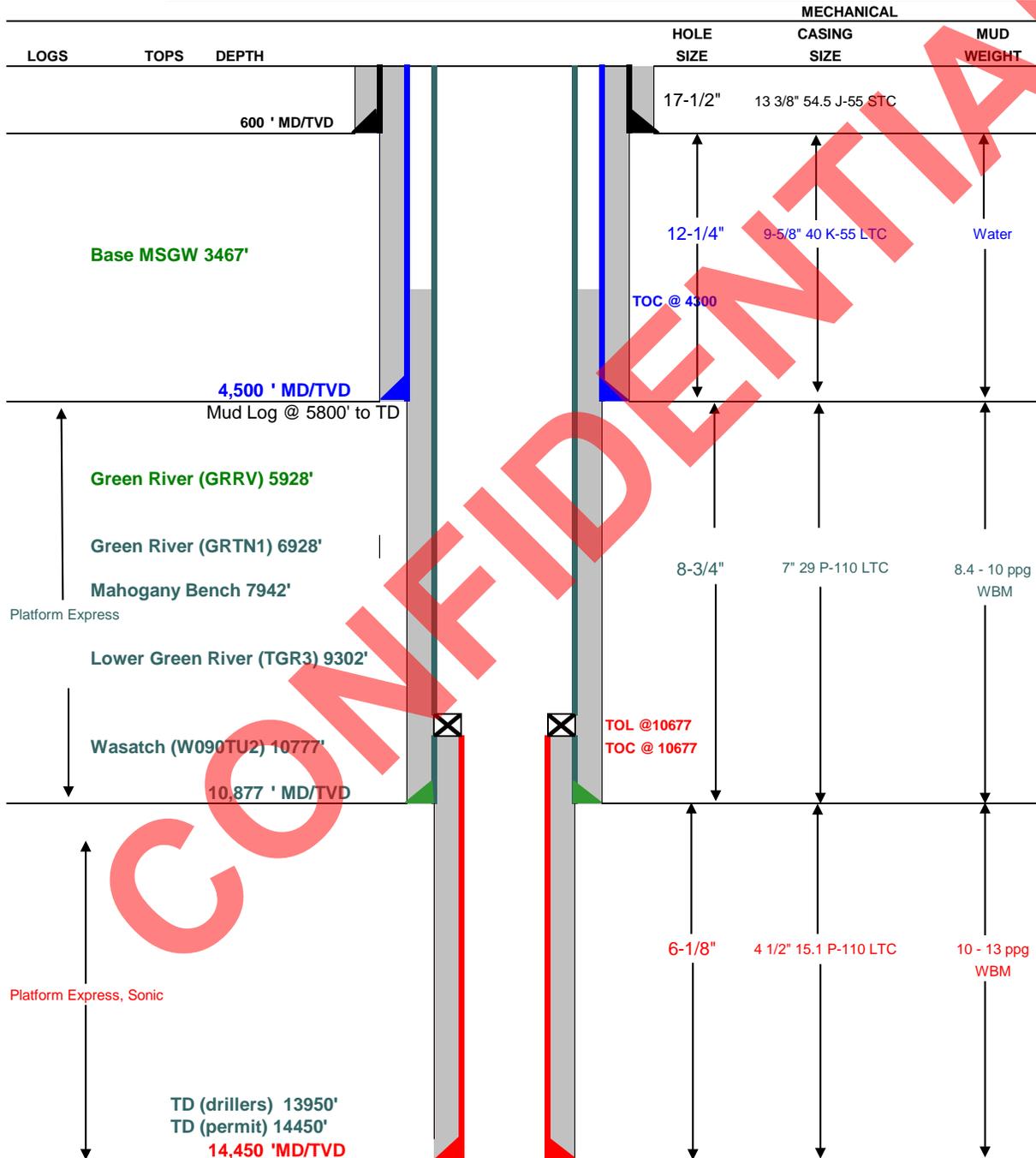
8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

CONFIDENTIAL



Drilling Schematic

Company Name: <u>El Paso Exploration &amp; Production</u>	Date: <u>April 12, 2011</u>
Well Name: <u>LAKE FORK RANCH 3-10B4</u>	TD: <u>14,450</u>
Field, County, State: <u>Altamont - Bluebell, Duchesne, Utah</u>	AFE #: _____
Surface Location: <u>Sec 10 T2S R4W 1754' FSL 690' FEL</u>	BHL: <u>Vertical Well</u>
Objective Zone(s): <u>Green River, Wasatch</u>	Elevation: <u>6250 'GL 6267 'KB</u>
Rig: <u>Precision Drilling, Rig 404</u>	Spud (est.): _____
BOPE Info: <u>5M x 13 5/8" rotating head from 600 ft to 4500 ft. 11" 10M BOP stack and 10M kill lines and choke manifold from 4500 ft. to T.D.</u>	



**DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 600	54.5	J-55	STC	2,730	1,130	1,399
						3.41	2.44	25.67
SURFACE	9-5/8"	0' - 4500	40.00	K-55	LTC	3,950	2,570	561
						1.10	1.22	2.20
INTERMEDIATE	7"	0' - 10877	29.00	P-110	LTC	11,220	8,530	797
						1.29	1.51	2.17
PRODUCTION LINER	4 1/2"	10677' - 14450	15.10	P-110	LTC	14,420	14,350	406
						1.48	1.47	2.79

CEMENT PROGRAM	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD	
CONDUCTOR	600	Class G + 3% CACL2	400	10%	15.6 ppg	1.15	
SURFACE	Lead	4,000	12.0 TXI Lead Slurry w/ 1% Extender + .05% FLA + .5% Antifoam + .75% Retarder	1060	50%	12.0 ppg	1.78
INTERMEDIATE	Lead	6,077	12.0 TXI Lead Slurry w/ 1% Extender + .05% FLA + .5% Antifoam + .75% Retarder	570	10%	12.0 ppg	1.78
PRODUCTION LINER	3,773	WellBond Slurry Class G + 35 #/sk extender + 15% silica + .7% gas control agent + 0.3% Dispersant + 0.4% retarder + 0.2% anti foam + 0.25#/sk lost circ control agent	260	10%	14.1 ppg	1.53	

**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 float shoe, 1 joint casing & PDC drillable float 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. Install bow spring centralizers on first 3 joints, then every 3rd joint.
LINER	Float shoe, 3 joints, float collar. Centralizer every other joint. Thread lock all FE

PROJECT ENGINEER(S): Neil McRobbie

MANAGER: Eric Giles

**EL PASO E&P COMPANY, L.P.**  
LAKE FORK RANCH 3-10B4  
SECTION 10, T2S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 10.18 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL NORTHEASTERLY THEN SOUTHEASTERLY ON A GRAVEL ROAD 3.91 MILES TO THE BEGINNING OF THE ACCESS ROAD;

TURN LEFT AND FOLLOW ROAD FLAGS EASTERLY 0.37 MILES TO THE PROPOSED LOCATION;

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 14.46 MILES.

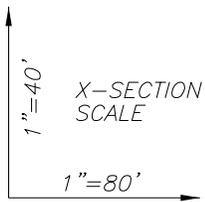
CONFIDENTIAL



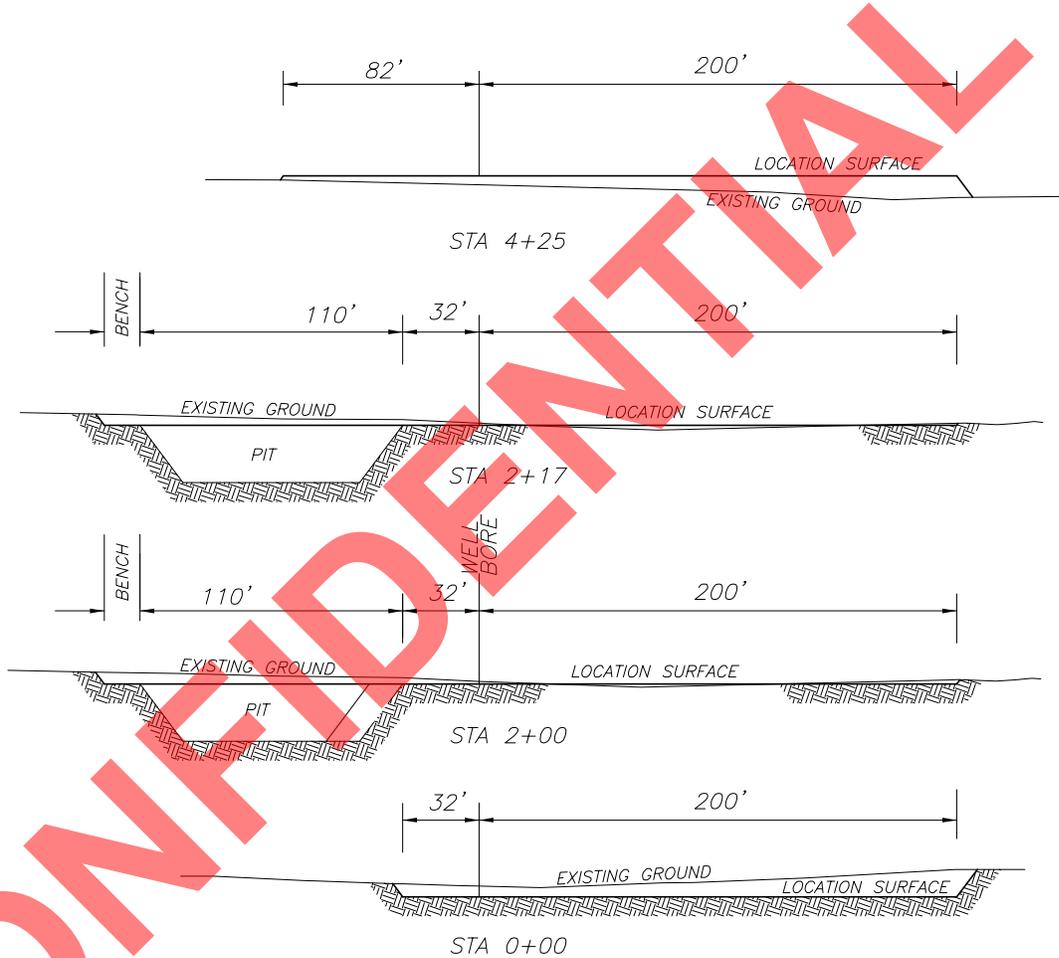
# EL PASO E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR  
 LAKE FORK RANCH 3-10B4  
 SECTION 10, T2S, R4W, U.S.B.&M.  
 1754' FSL, 690' FEL



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



APPROXIMATE YARDAGES

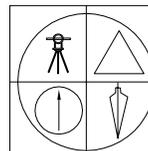
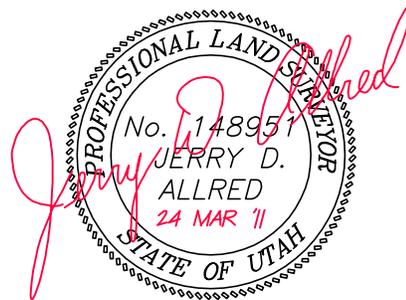
TOTAL CUT (INCLUDING PIT) = 11,530 CU. YDS.

- PIT CUT = 4570 CU. YDS.
- TOPSOIL STRIPPING: (6") = 2580 CU. YDS.
- REMAINING LOCATION CUT = 4380 CU. YDS

TOTAL FILL = 4,380 CU. YDS.

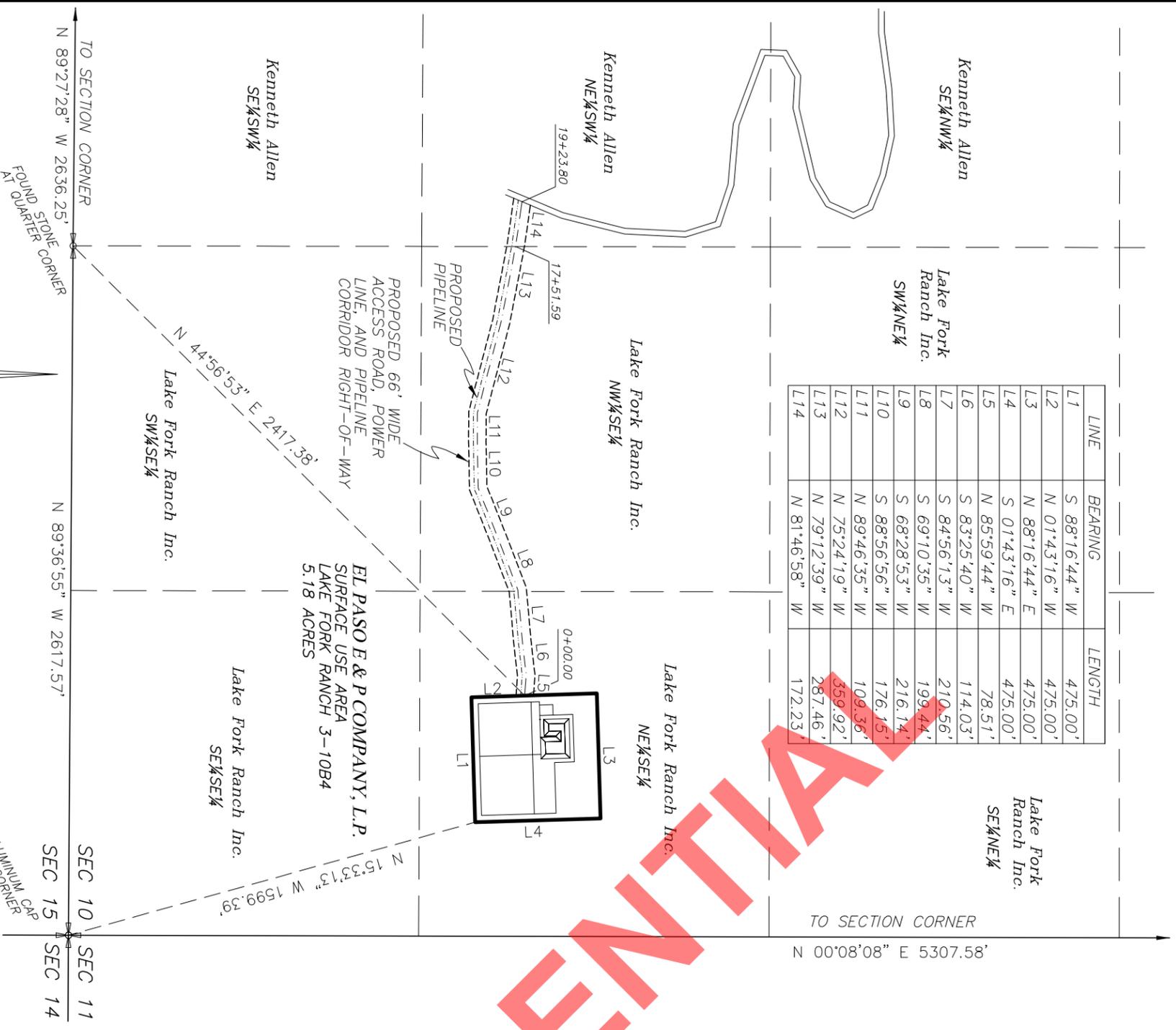
LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=529 CU. YDS.





LINE	BEARING	LENGTH
L1	S 88°16'44" W	475.00'
L2	N 01°43'16" W	475.00'
L3	N 88°16'44" E	475.00'
L4	S 01°43'16" E	475.00'
L5	N 85°59'44" W	78.51'
L6	S 83°25'40" W	114.03'
L7	S 84°56'13" W	210.56'
L8	S 69°10'35" W	199.44'
L9	S 68°28'53" W	216.14'
L10	S 88°56'56" W	176.15'
L11	N 89°46'35" W	109.36'
L12	N 75°24'19" W	359.92'
L13	N 79°12'39" W	287.46'
L14	N 81°46'58" W	172.23'



LOCATION USE AREA AND ACCESS ROAD, POWER LINE, AND PIPELINE  
 CORRIDOR RIGHT-OF-WAY SURVEY FOR  
**ELPASO E&P COMPANY, L.P.**  
 LAKE FORK RANCH 3-10B4  
 SECTION 10, T2S, R4W, U.S.B.&M.  
 DUCHESNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION  
 Commencing at the Southeast Corner of Section 10, Township 2 South, Range 4 West of the Uintah Special Base and Meridian:  
 Thence North 15°33'13" West 1599.39 feet to the TRUE POINT OF BEGINNING;  
 Thence South 88°16'44" West 475.00 feet;  
 Thence North 01°43'16" West 475.00 feet;  
 Thence North 88°16'44" East 475.00 feet;  
 Thence South 01°43'16" East 475.00 feet to the TRUE POINT OF BEGINNING, containing 5.18 acres.

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

A 66 feet wide access road, power line, and pipeline corridor right-of-way over portions of Section 10, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of said right-of-way being further described as follows:  
 Commencing at the South Quarter Corner of Section 10, Township 2 South, Range 4 West of the Uintah Special Base and Meridian:  
 Thence North 44°56'53" East 2417.38 feet to the TRUE POINT OF BEGINNING;  
 Thence North 85°59'44" West 78.51 feet;  
 Thence South 83°25'40" West 114.03 feet;  
 Thence South 84°56'13" West 210.56 feet;  
 Thence South 69°10'35" West 199.44 feet;  
 Thence South 68°28'53" West 216.14 feet;  
 Thence South 88°56'56" West 176.15 feet;  
 Thence North 89°46'35" West 109.36 feet;  
 Thence North 75°24'19" West 359.92 feet;  
 Thence North 79°12'39" West 287.46 feet;  
 Thence North 81°46'58" West 172.23 feet to the East line of an existing road. Said right-of-way being 1923.80 feet in length with the side lines being shortened or elongated to intersect said use area boundary and existing road lines.

SURVEYOR'S CERTIFICATE

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

*Jerry D. Allred*  
 No. 148951  
 JERRY D. ALLRED  
 24 MAR 11  
 STATE OF UTAH  
 LAND SURVEYOR

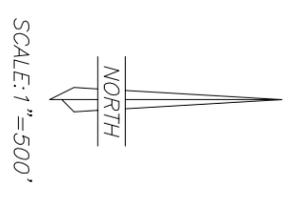
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
 CERTIFICATE NO. 148951 (UTAH)

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT  
 THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A CONTROL POINT LOCATED AT LAT. 40°21'33.56926"N AND LONG. 110°16'31.53164"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

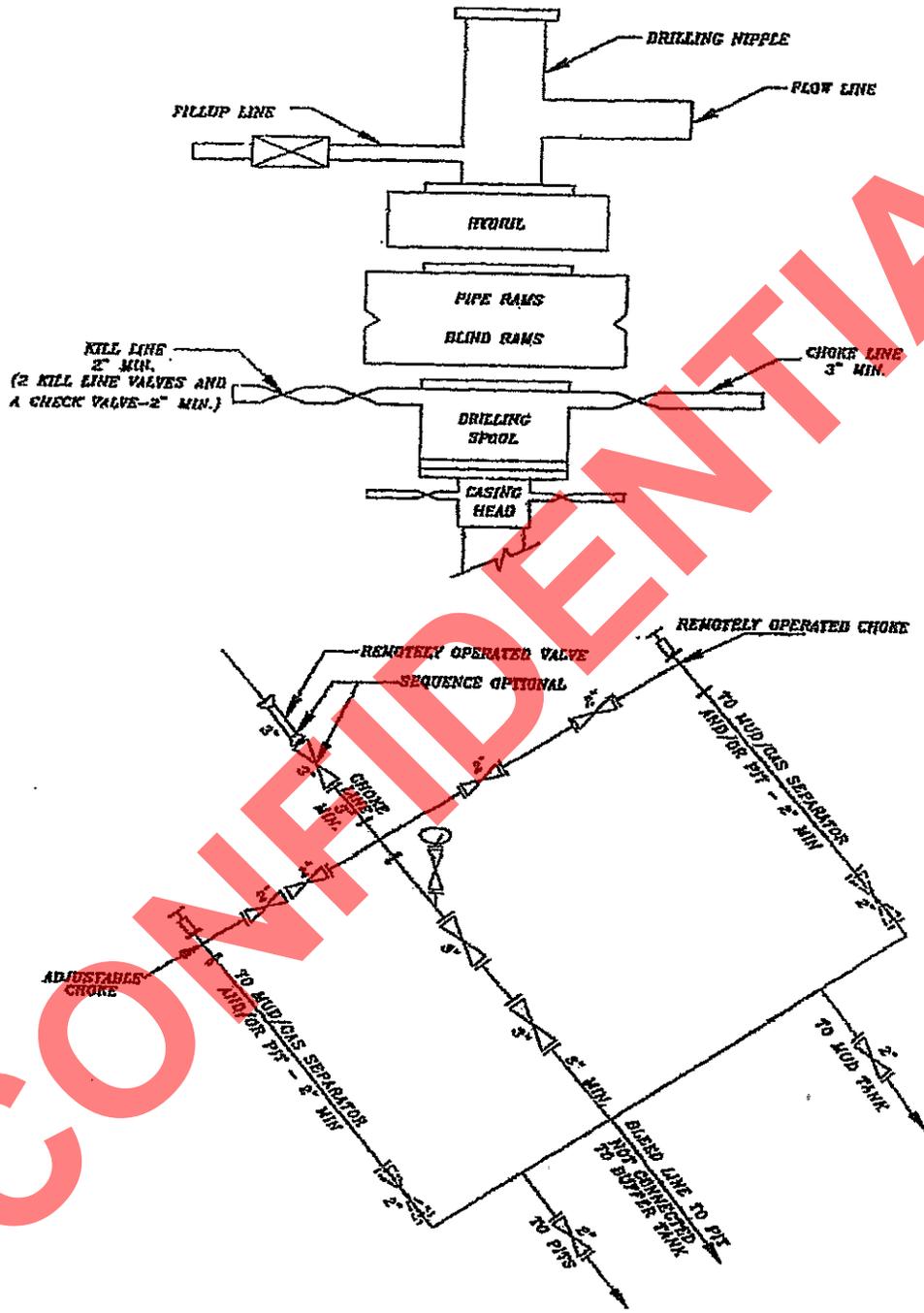
23 MAR 2011 01-128-219

JERRY D. ALLRED AND ASSOCIATES  
 SURVEYING CONSULTANTS

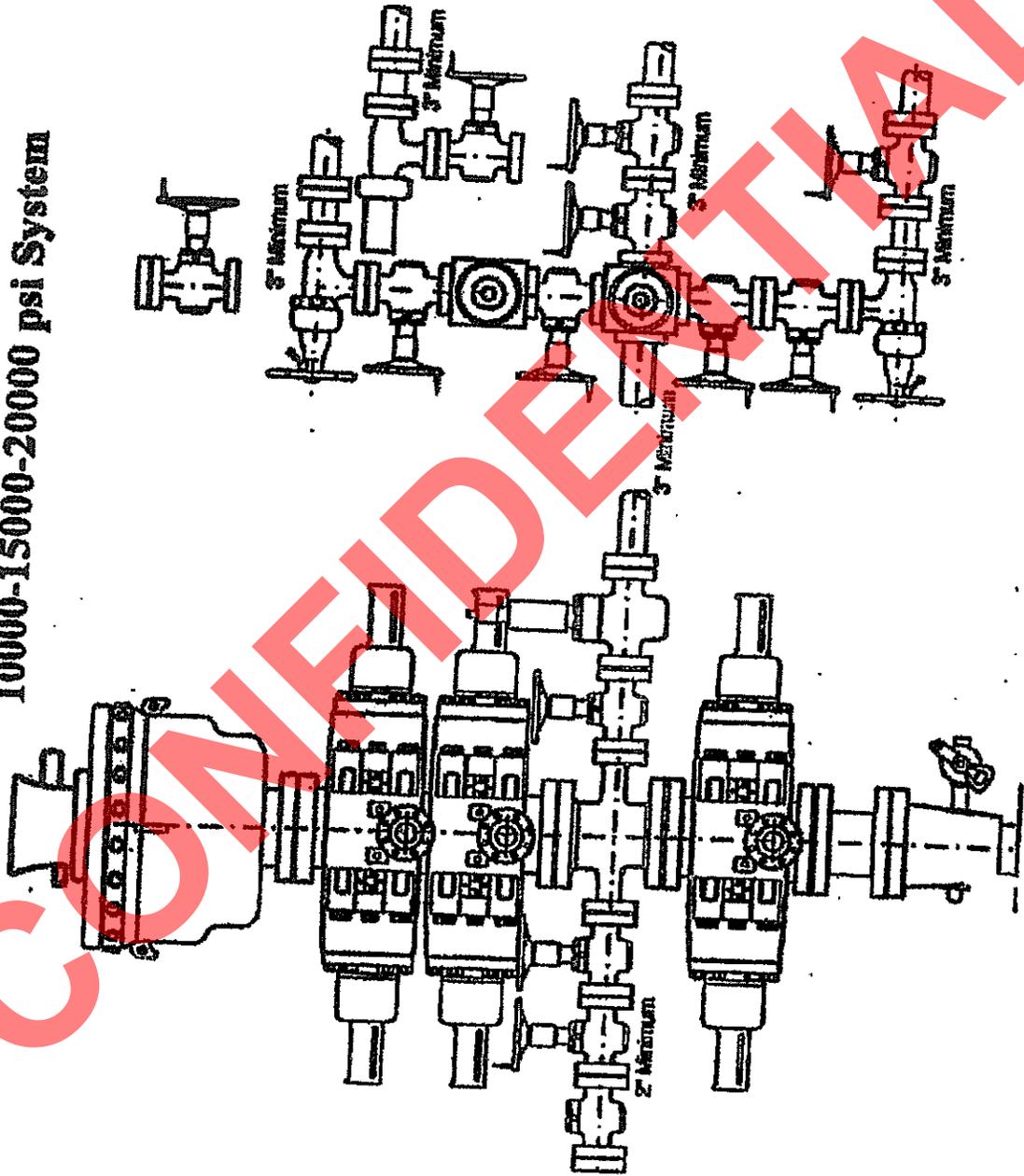
1235 NORTH 700 EAST--P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (435) 738-5352



# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



10000-15000-20000 psi System

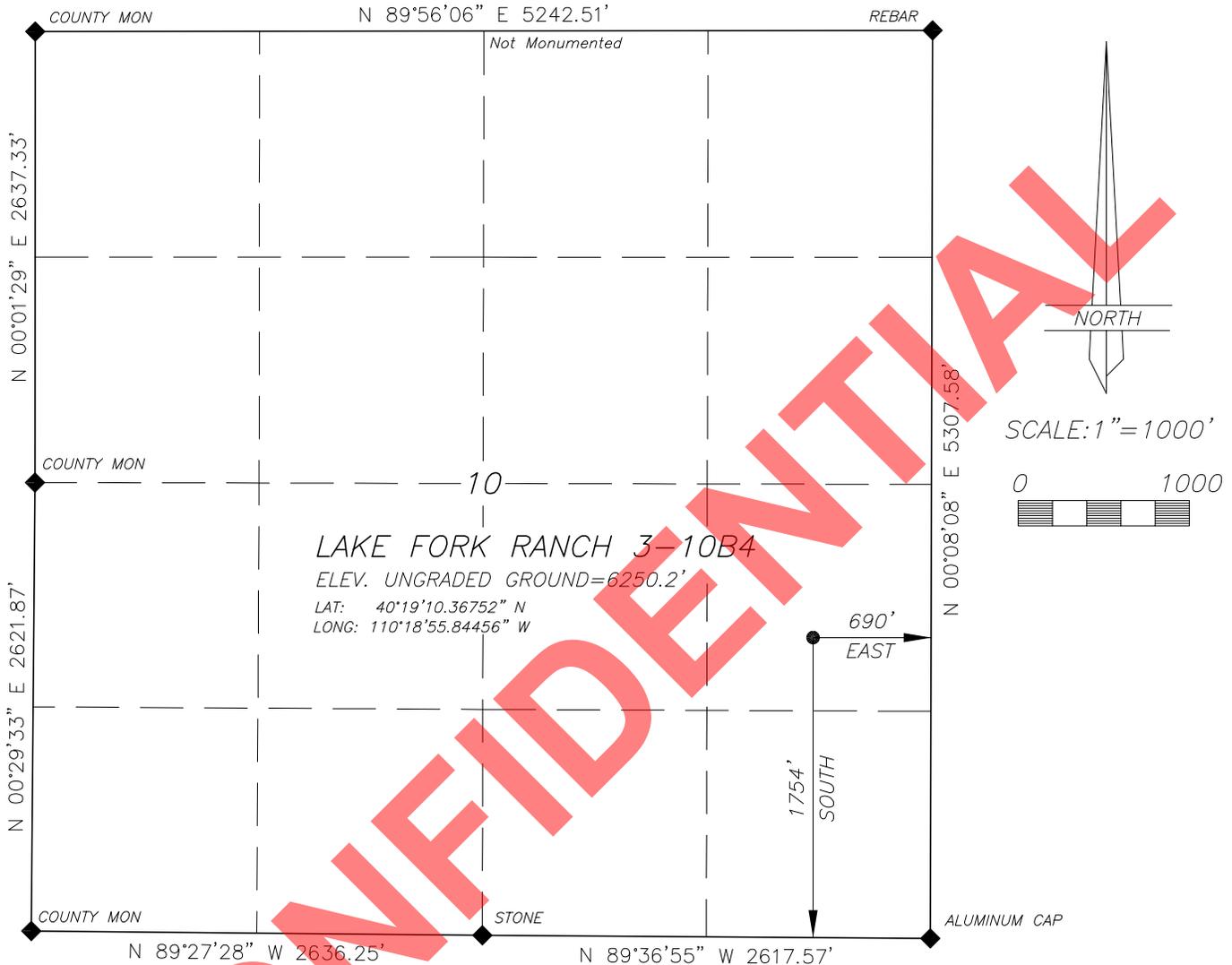


# EL PASO E & P COMPANY, L.P.

WELL LOCATION

LAKE FORK RANCH 3-10B4

LOCATED IN THE NE¼ OF THE SE¼ OF SECTION 10, T2S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



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

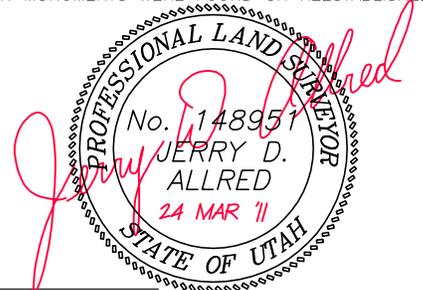
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT A CONTROL POINT LOCATED AT LAT. 40°21'33.56926"N AND LONG. 110°16'31.53164"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

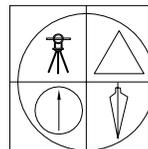
BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

SURVEYOR'S CERTIFICATE

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



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

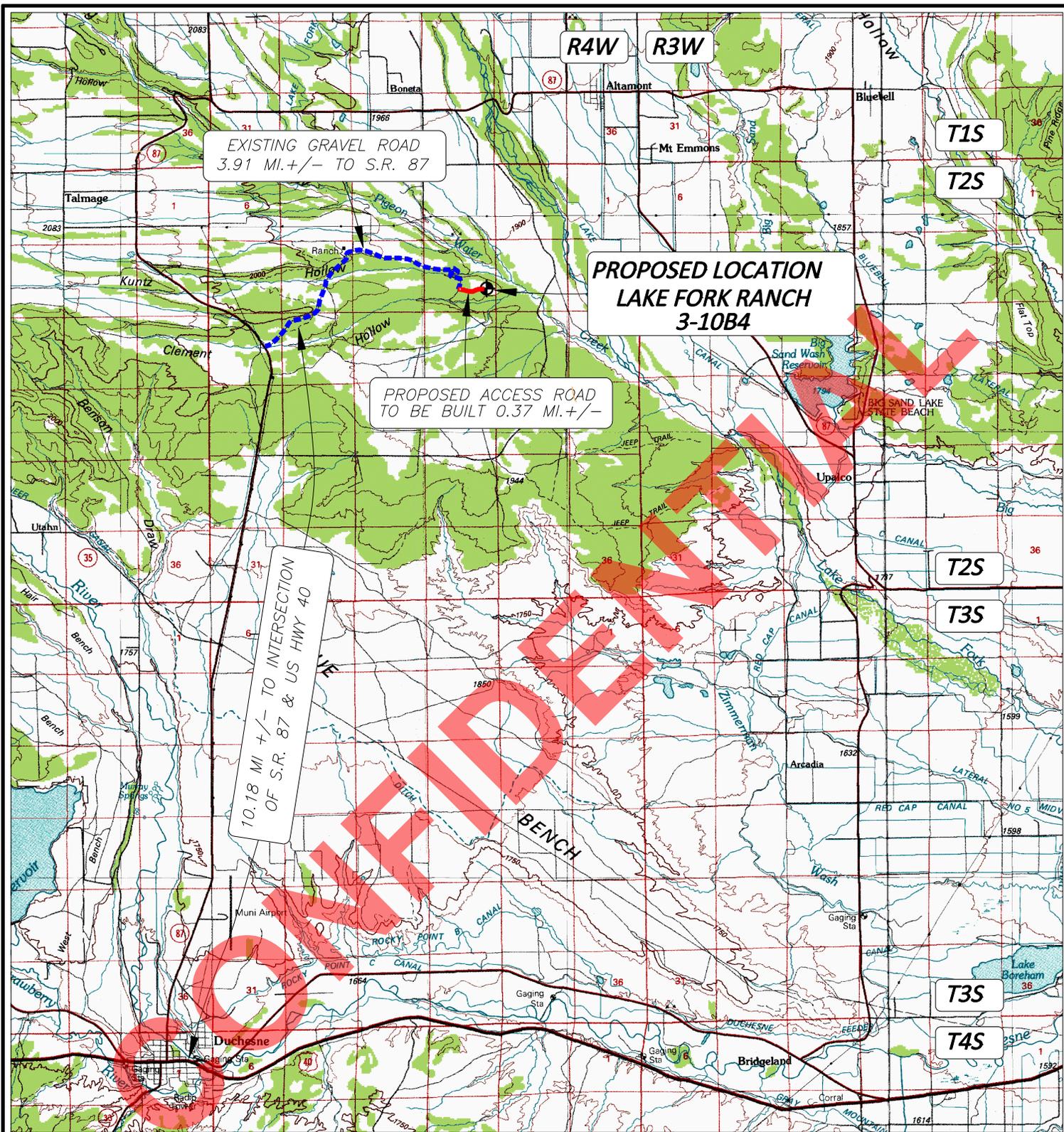


JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

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

24 MAR 2011 01-128-219

RECEIVED: May 02, 2011



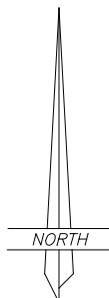
**LEGEND:**

 PROPOSED WELL LOCATION

01-128-219

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

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

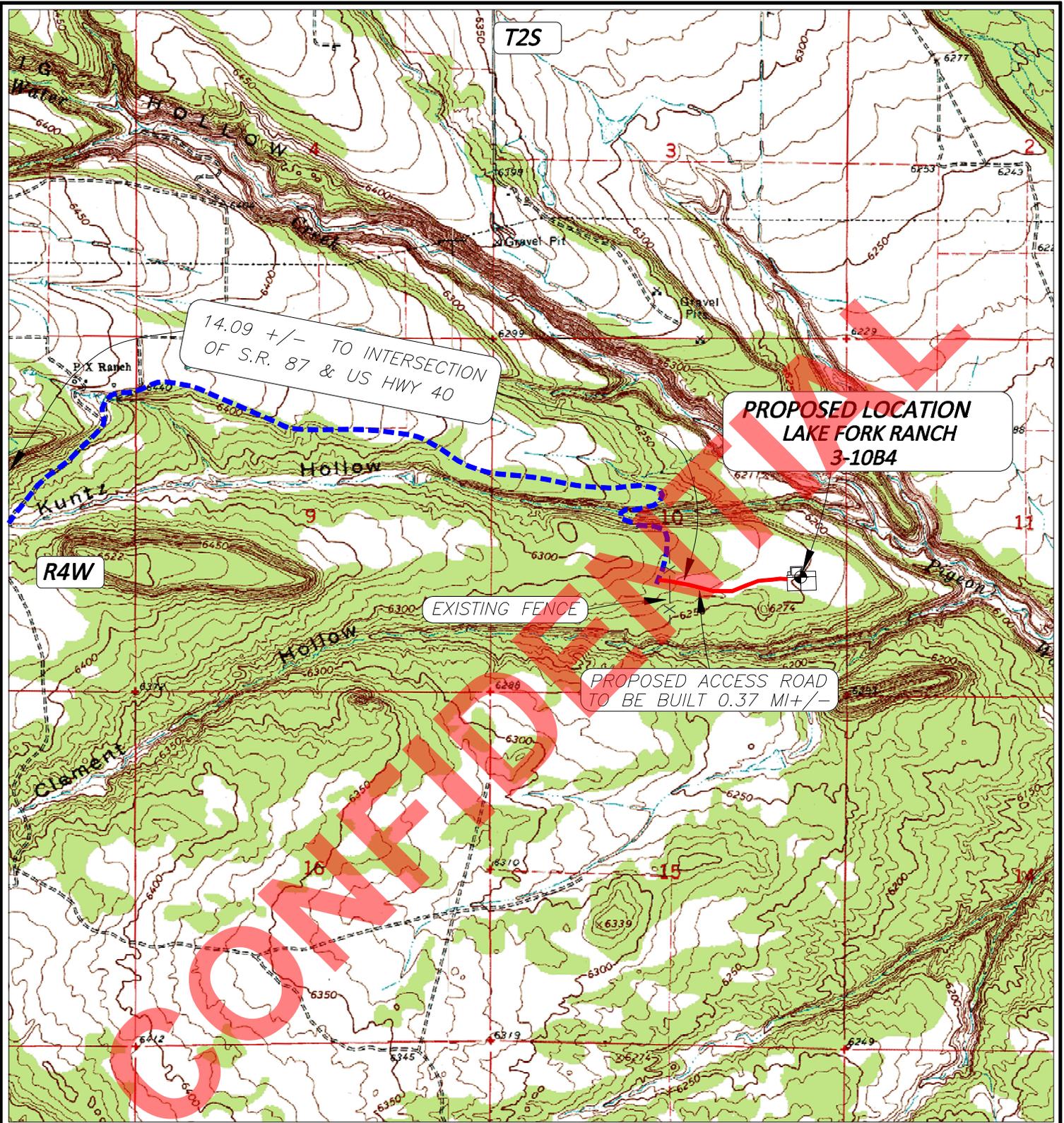


**EL PASO E & P COMPANY, L.P.**

LAKE FORK RANCH 3-10B4  
SECTION 10, T2S, R4W, U.S.B.&M.  
1754' FSL 690' FEL

**TOPOGRAPHIC MAP "A"**

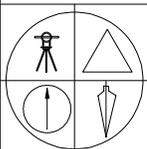
SCALE; 1"=10,000'  
23 MAR 2011



**LEGEND:**

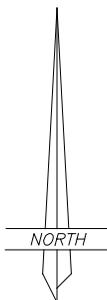
-  PROPOSED WELL LOCATION
-  PROPOSED ACCESS ROAD
-  EXISTING GRAVEL ROAD

01-128-219



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975  
DUCHEESNE, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

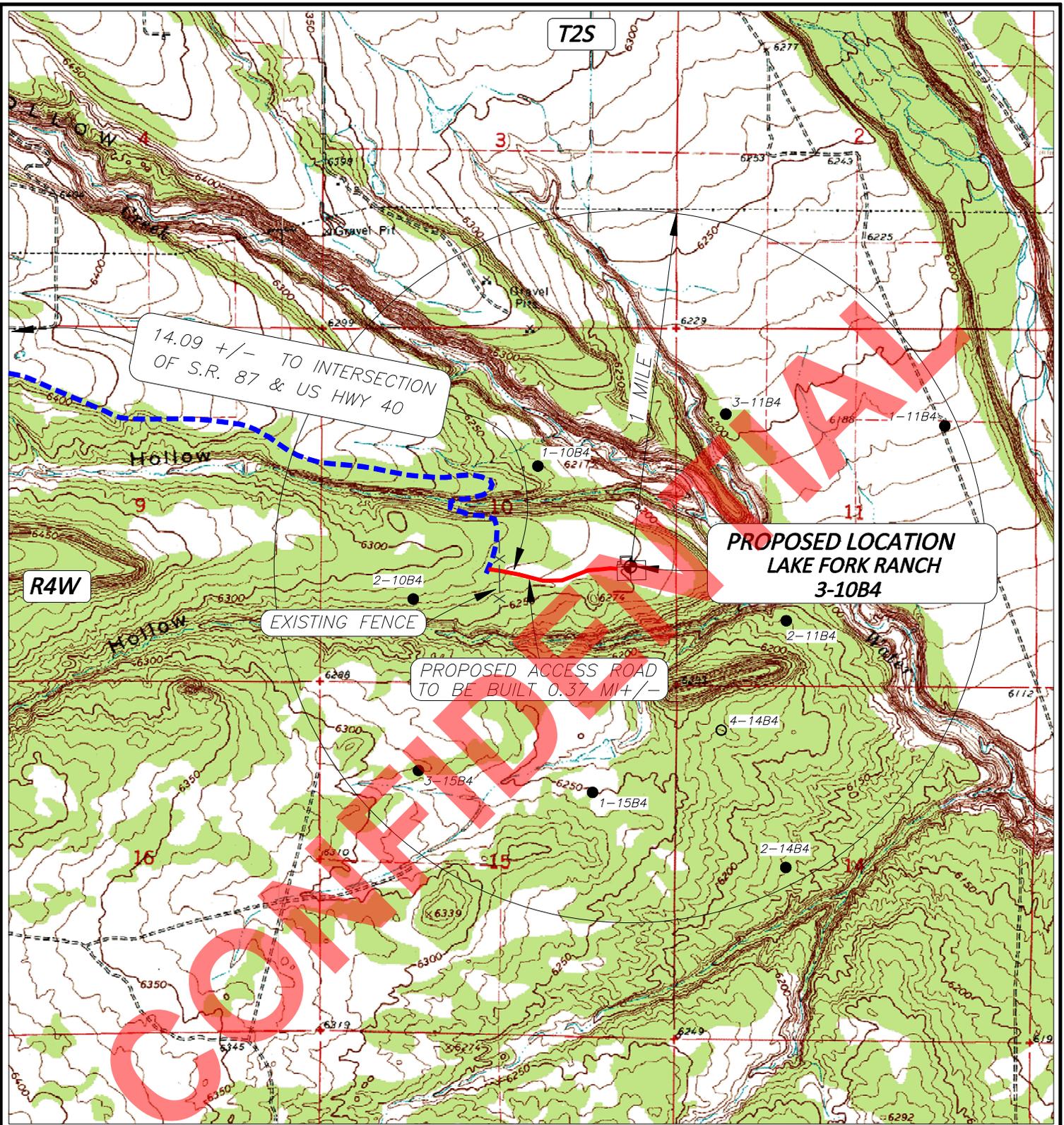
LAKE FORK RANCH 3-10B4  
SECTION 10, T2S, R4W, U.S.B.&M.

1754' FSL 690' FEL

**TOPOGRAPHIC MAP "B"**

SCALE: 1"=2000'  
23 MAR 2011

**RECEIVED: May 02, 2011**



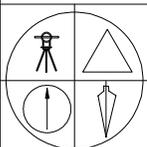
**LEGEND:**

PROPOSED WELL LOCATION

2-25C6  
● ○

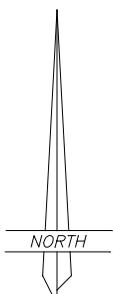
OTHER WELLS AS LOCATED FROM  
SUPPLIED MAP

01-128-219



**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

121 NORTH CENTER ST.--P.O. BOX 975  
DUCHESTER, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

LAKE FORK RANCH 3-10B4  
SECTION 10, T2S, R4W, U.S.B.&M.

1754' FSL 690' FEL

**TOPOGRAPHIC MAP "C"**

SCALE; 1"=2000'  
23 MAR 2011

**AFFIDAVIT OF SURFACE DAMAGE AND RIGHT-OF-WAY AGREEMENTS**

Catherine L. Hammock personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Catherine L. Hammock. I am a Sr. Staff Landman for El Paso E&P Company, L.P., whose address is 1099 18<sup>th</sup> Street, Denver, Colorado 80202 (“El Paso”).
2. El Paso is the operator of the proposed Lake Fork Ranch 3-10B4 well (the “Well”) to be located in the NE/4 of the SE/4 of Section 10, Township 2 South, Range 4 West, USM, Duchesne County, Utah (the “Drillsite Location”). The surface owner of the Drillsite Location is Lake Fork Ranch, Inc., whose address is HC 65, Box 510048, Mountain Home, UT 84051-9801 (the “Surface Owner”).
3. El Paso and the Surface Owner have entered into a Damage Settlement and Release Agreement dated April 7, 2011 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.
4. El Paso and the Surface Owner have also entered into a Right-of-Way Agreement dated April 7, 2011 for an access road, powerline and pipeline corridor across the N/2 of the SE/4 of Section 10, Township 2 South, Range 4 West, USM, Duchesne County, Utah.

FURTHER AFFIANT SAYETH NOT.

*Catherine L. Hammock*  
 Catherine L. Hammock

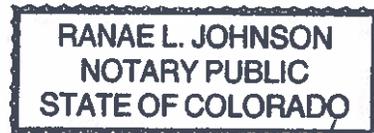
**ACKNOWLEDGMENT**

STATE OF COLORADO           §  
   §  
 CITY AND COUNTY OF DENVER §

Before me, a Notary Public, in and for this state, on this 19th day of April, 2011, personally appeared Catherine L. Hammock, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

*Ranae L. Johnson*  
 \_\_\_\_\_  
 NOTARY PUBLIC

My Commission Expires:



My Commission Expires 09/26/2014

**EL PASO 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 .37 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: 43-8362 and Upper Country Water

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

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .37 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 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. 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, Utah 84051-9801

Phone: 435-454-3546 home

435-823-7810 cell

**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:**

**El Paso E & P Company, L.P.**

**Wayne Garner**

**PO Box 410**

**Altamont, Utah 84001**

**435-454-3394 – Office**

**435-823-1490 – Cell**

**Regarding This APD**

**El Paso E & P Company, L.P.**

**Maria Gomez**

**1001 Louisiana**

**Houston, Texas 77002**

**713.420.5038 – Office**

**832-683-0361 – Cell**

**Drilling**

**El Paso E & P Company, L.P.**

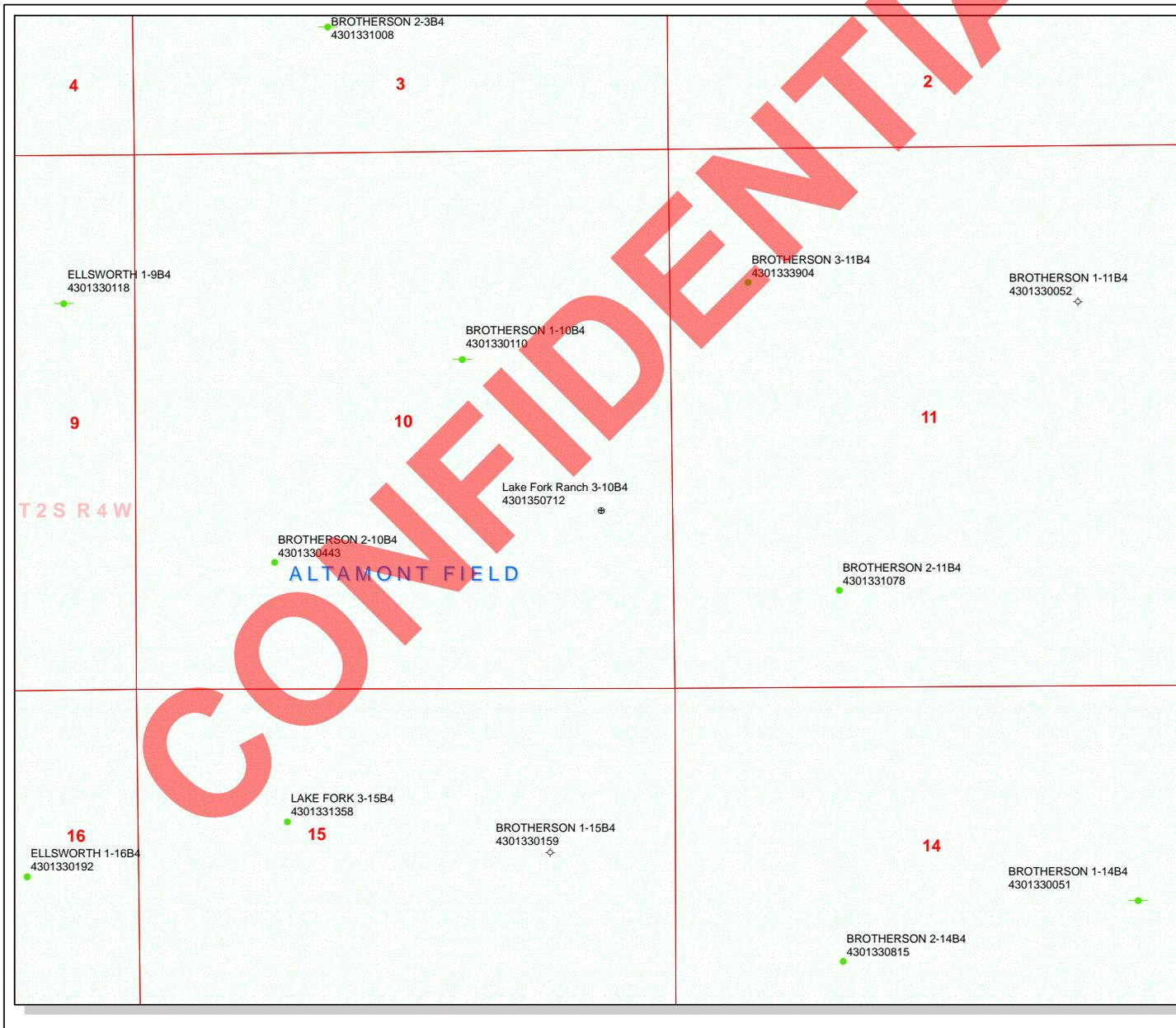
**Joe Cawthorn – Drilling Engineer**

**1001 Louisiana**

**Houston, Texas 77002**

**713.420.5929 – Office**

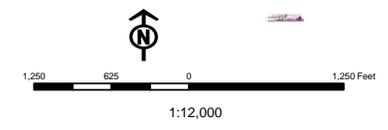
**832.465.2882 - Cell**



**API Number: 4301350712**  
**Well Name: Lake Fork Ranch 3-10B4**  
**Township T0.2 . Range R0.4 . Section 10**  
**Meridian: UBM**  
 Operator: EL PASO E&P COMPANY, LP

Map Prepared:  
 Map Produced by Diana Mason

- |               |                                    |
|---------------|------------------------------------|
| <b>Units</b>  | <b>Wells Query</b>                 |
| <b>STATUS</b> | <b>Status</b>                      |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | OPS - Operation Suspended          |
| PP GEOTHERML  | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| <b>Fields</b> | SGW - Shut-in Gas Well             |
| Unknown       | SOW - Shut-in Oil Well             |
| ABANDONED     | TA - Temp. Abandoned               |
| ACTIVE        | TW - Test Well                     |
| COMBINED      | WDW - Water Disposal               |
| INACTIVE      | WIW - Water Injection Well         |
| STORAGE       | WSW - Water Supply Well            |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |



Well Name	EL PASO E&P COMPANY, LP Lake Fork Ranch 3-10B4 43013			
String	COND	SURF	I1	L1
Casing Size(")	13.375	9.625	7.000	4.500
Setting Depth (TVD)	600	4500	10877	14450
Previous Shoe Setting Depth (TVD)	0	600	4500	10877
Max Mud Weight (ppg)	8.9	10.0	13.0	13.0
BOPE Proposed (psi)	0	1000	5000	10000
Casing Internal Yield (psi)	2730	3950	11220	14420
Operators Max Anticipated Pressure (psi)	9768			13.0

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	278	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	206	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	146	NO OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	146	NO
Required Casing/BOPE Test Pressure=		600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	2340	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1800	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1350	NO OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1482	NO Reasonable
Required Casing/BOPE Test Pressure=		2765	psi
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient

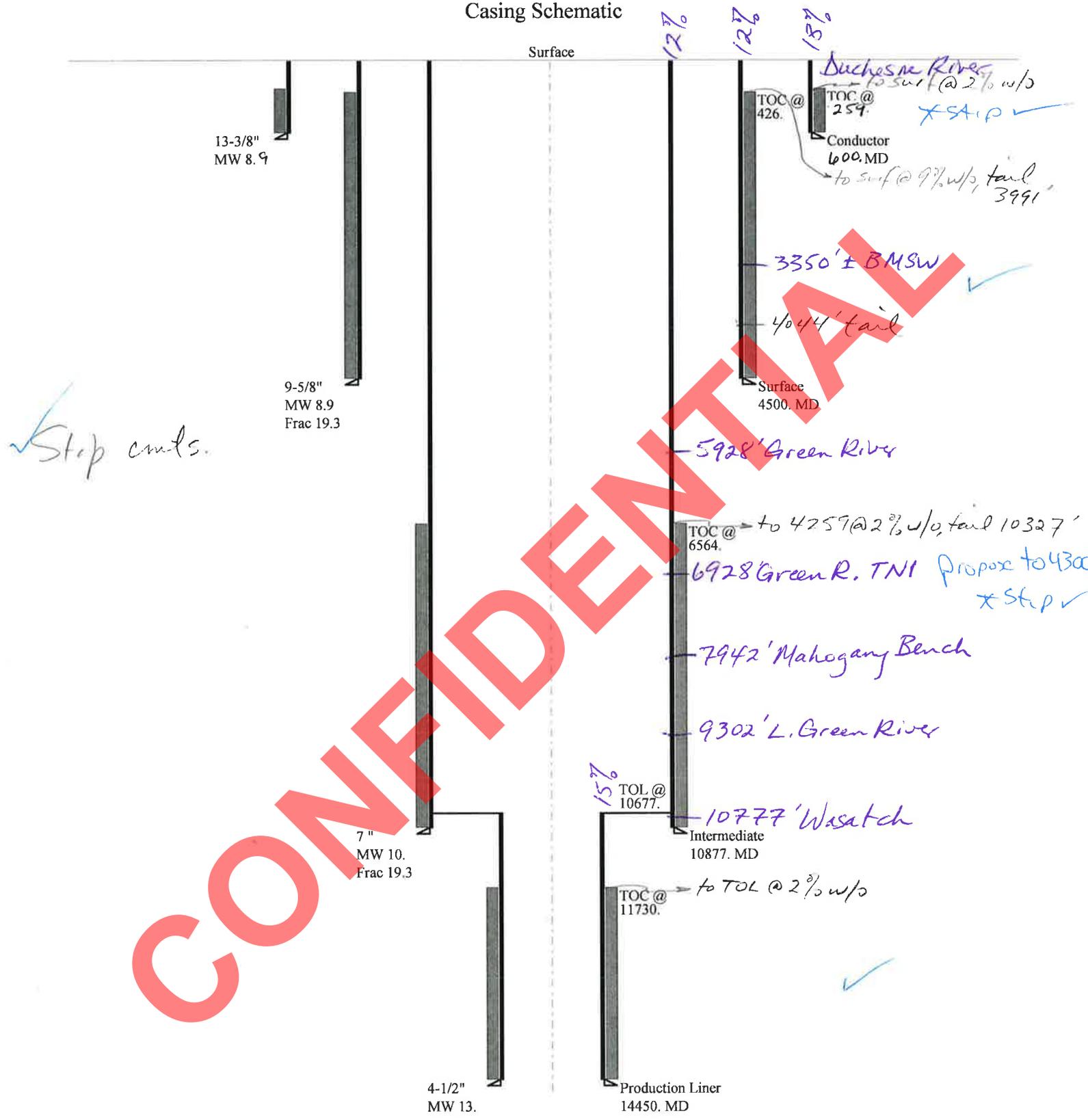
Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	7353	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6048	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4960	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5950	NO Reasonable
Required Casing/BOPE Test Pressure=		7854	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3950	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	9768	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8034	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	6589	YES OK
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8982	YES OK
Required Casing/BOPE Test Pressure=		10000	psi

**CONFIDENTIAL**

# 43013507120000 Lake Fork Ranch 3-10B4

## Casing Schematic



Well name:	<b>43013507120000 Lake Fork Ranch 3-10B4</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Conductor	Project ID:	43-013-50712
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.900 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 205 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 277 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 521 ft

**Environment:**

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

Cement top: 259 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	13.375	54.50	J-55	ST&C	600	600	12.49	7445
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	277	1130	4.074	277	2730	9.84	32.7	514	15.72 J

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

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

Date: August 4, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.9 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:	<b>43013507120000 Lake Fork Ranch 3-10B4</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Surface	Project ID:	43-013-50712
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.900 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 3,257 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 4,247 psi  
 Annular backup: 2.33 ppg

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 3,904 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 137 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 426 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 10,877 ft  
 Next mud weight: 10.000 ppg  
 Next setting BHP: 5,650 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 4,500 ft  
 Injection pressure: 4,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4500	9.625	40.00	K-55	LT&C	4500	4500	8.75	47638
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	2080	2570	1.235	3703	3950	1.07	180	561	3.12 J

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

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

Date: August 2, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 4500 ft, a mud weight of 8.9 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:	<b>43013507120000 Lake Fork Ranch 3-10B4</b>	
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>	
String type:	Intermediate	Project ID: 43-013-50712
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**  
 Mud weight: 10.000 ppg  
 Design is based on evacuated pipe.

**Burst**  
 Max anticipated surface pressure: 6,579 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 8,972 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**  
 Design factor: 1.125

**Burst:**  
 Design factor: 1.00

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

Tension is based on air weight.  
 Neutral point: 9,231 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 226 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: 6,564 ft

**Non-directional string.**

**Re subsequent strings:**  
 Next setting depth: 14,450 ft  
 Next mud weight: 13.000 ppg  
 Next setting BHP: 9,758 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 10,877 ft  
 Injection pressure: 10,877 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	10877	7	29.00	P-110	LT&C	10877	10877	6.059	122830
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	5650	8530	1.510	8972	11220	1.25	315.4	797	2.53 J

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

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

Date: August 2, 2011  
 Salt Lake City, Utah

Remarks:  
 Collapse is based on a vertical depth of 10877 ft, a mud weight of 10 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:	<b>43013507120000 Lake Fork Ranch 3-10B4</b>	
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>	Project ID:
String type:	Production Liner	43-013-50712
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 13.000 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 6,579 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 9,758 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 13,711 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 276 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 11,730 ft

Liner top: 10,677 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3750	4.5	15.10	P-110	LT&C	14450	14450	3.701	23512
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	9758	14350	1.471	9758	14420	1.48	56.6	406	7.17 J

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

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

Date: August 2, 2011  
 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 14450 ft, a mud weight of 13 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** EL PASO E&P COMPANY, LP  
**Well Name** Lake Fork Ranch 3-10B4  
**API Number** 43013507120000      **APD No** 3689      **Field/Unit** ALTAMONT  
**Location: 1/4,1/4** NESE      **Sec** 10      **Tw** 2.0S      **Rng** 4.0W      1754      FSL 690      FEL  
**GPS Coord (UTM)** 558219 4463245      **Surface Owner** Lake Fork Ranch, Inc.

### Participants

Dave Allred (El Paso); Ryan Allred (Allred Surveyor); Dennis Ingram (DOG M)

### Regional/Local Setting & Topography

Wellsite is located northeast of Duchesne Utah along the northeastern portion of Blue Bench in pinion/juniper habitat that slopes north and east, and accessed by driving north out of Duchesne along Highway 87 for 10.18 miles, then east/northeast along a county road for another 3.91 miles, then east another 0.37 miles on new access or location road. The surface topography at and around the location slopes to the east/southeast and is set on a long, narrow east/west ridge. Kuntz Hollow is found approximately six-hundred feet north of this pad and drains easterly into Big Hollow, which intersects Big Hollow to the northeast and Pigeon Water Creek just beyond that. All of these arteries or drainages gather and turn southeast and eventually flow into the Lake Fork River Drainage. The surface drops gently leaving the wellsite to the south for several hundred feet then the elevation falls more quickly as it reaches Cement Hollow, another easterly drainage the joins Pigeon Water Creek east of the site. The topography rises gently to the west along a narrow hogback type ridge.

### Surface Use Plan

**Current Surface Use**  
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.37	Width 282      Length 425	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Pinion/Juniper habitat, cedar trees present, sagebrush, grass and Prickly Pear cactus, area has been railed in places and burned to promote rangeland for cattle grazing; elk and mule deer winter range, potential mountain lion, coyote, bobcat, rabbit and other smaller mammals and bird life native to region.

#### **Soil Type and Characteristics**

Reddish, tan sandy loam with clays and underlying sandstone or cobble rocks.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** N

**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**

<b>Distance to Groundwater (feet)</b>	>200	0	
<b>Distance to Surface Water (feet)</b>	300 to 1000	2	
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0	
<b>Distance to Other Wells (feet)</b>	>1320	0	
<b>Native Soil Type</b>	Mod permeability	10	
<b>Fluid Type</b>	TDS>5000 and	10	
<b>Drill Cuttings</b>	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	<b>Final Score</b>	22	1 Sensitivity Level

**Characteristics / Requirements**

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

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

**Other Observations / Comments**

Landowner did not attend meeting and has a signed agreement with El Paso, site slopes east/southeast, there aren't any drainage issues at the wellsite or construction issues.

Dennis Ingram  
**Evaluator**

5/19/2011  
**Date / Time**

# Application for Permit to Drill Statement of Basis

8/9/2011

## Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
3689	43013507120000	LOCKED	OW	P	No
<b>Operator</b>	EL PASO E&P COMPANY, LP		<b>Surface Owner-APD</b>	Lake Fork Ranch, Inc.	
<b>Well Name</b>	Lake Fork Ranch 3-10B4		<b>Unit</b>		
<b>Field</b>	ALTAMONT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NESE 10 2S 4W U 1754 FSL 690 FEL		GPS Coord (UTM)	558220E	4463256N

### Geologic Statement of Basis

El Paso proposes to set 1,000 feet of conductor and 4,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 3,350 feet. A search of Division of Water Rights records indicates that there are 16 water wells within a 10,000 foot radius of the center of Section 10. These wells range in depth from 60 to 500 feet. Wells average around 300 feet in depth. Listed use is domestic, irrigation, industrial and stock watering. Most of the wells in this area probably produce water from the Duchesne River Formation. The proposed casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill  
APD Evaluator

6/28/2011  
Date / Time

### Surface Statement of Basis

Brent Brotherson, who owns the Lake Fork Ranch, has been given as the landowner of record on this property. Mr. Brotherson was therefore spoken to on the telephone twice regarding the scheduling on these presites, and explained that he had visited each of the these sites and given input regarding their surface use to El Paso and has entered into a landowner agreement with said operator. El Paso shall therefore comply with that landowner agreement along with the construction cut and fill sheets provided to the Division with the Application to Drill unless given a variance by authorized personnel.

Surface slopes to the southeast and shows just over four feet of cut on the northwestern corner and 4.5 feet of fill on the southeast. There weren't any drainage issues found across the surface that will need to be addressed with construction of the wellsite. There are drainages on three sides of the location but each are nearly a quarter mile away and therefore erosion or sediment should not be an issue. The operator shall, however, install a 20 mil liner synthetic in the reserve pit as proposed in the Application to Drill to prevent seepage of the drilling fluids into ground water that may well recharge Pigeon Water Creek..

Dennis Ingram  
Onsite Evaluator

5/19/2011  
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.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

**RECEIVED: August 09, 2011**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 5/2/2011

**API NO. ASSIGNED:** 43013507120000

**WELL NAME:** Lake Fork Ranch 3-10B4

**OPERATOR:** EL PASO E&P COMPANY, LP (N3065)

**PHONE NUMBER:** 713 420-5038

**CONTACT:** Maria S. Gomez

**PROPOSED LOCATION:** NESE 10 020S 040W

**Permit Tech Review:**

**SURFACE:** 1754 FSL 0690 FEL

**Engineering Review:**

**BOTTOM:** 1754 FSL 0690 FEL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.31970

**LONGITUDE:** -110.31476

**UTM SURF EASTINGS:** 558220.00

**NORTHINGS:** 4463256.00

**FIELD NAME:** ALTAMONT

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** Fee

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-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: 43-8362
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

**Commingling Approved**

**LOCATION AND SITING:**

- R649-2-3.
- Unit:**
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No:** Cause 139-84
- Effective Date:** 12/31/2008
- Siting:** 660' Fr Drl U Bdry & 1320' Fr Other Wells
- R649-3-11. Directional Drill

**Comments:** Presite Completed

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



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Lake Fork Ranch 3-10B4  
**API Well Number:** 43013507120000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 8/9/2011

**Issued to:**

EL PASO E&P COMPANY, LP, 1001 Louisiana St., 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-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**General:**

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

**Conditions of Approval:**

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

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 4300' MD as indicated in the submitted drilling plan.

**Additional Approvals:**

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

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

**Notification Requirements:**

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

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

**Contact Information:**

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

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

**Reporting Requirements:**

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

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

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

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

FORM 6

**ENTITY ACTION FORM**

Operator: El Paso E&P Company, L.P.  
Address: 1001 Louisiana, Rm 2730D  
city Houston  
state TX zip 77002

Operator Account Number: N 3065  
Phone Number: (713) 420-5038

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350712	Lake Fork Ranch 3-10B4		NESE	10	2S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18221	9/19/2011		9/20/11		
Comments: <u>GR-WS</u>							<b>CONFIDENTIAL</b>

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Maria S. Gomez

Name (Please Print) Maria S. Gomez  
Signature  
Sr. Regulatory Analyst      9/19/2011  
Title      Date

**RECEIVED**

**SEP 19 2011**

(5/2000)

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: EL PASO PRODUCTION E&P COMPANY, LP

Well Name: LAKE FORK RANCH 3-10B4

Api No: 43-013-50712 Lease Type FEE

Section 10 Township 02S Range 04W County DUCHESNE

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

**SPUDDED:**

Date 09/19/2011

Time \_\_\_\_\_

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by WAYNE GARNER

Telephone # (435) 454-4236

Date 09/20/2011 Signed CHD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP		<b>9. API NUMBER:</b> 43013507120000
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 420-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 10/17/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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: 50px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
El Paso plans to set conductor (13 3/8") at 1000' instead of 600' and the surface casing at 6000' instead of 4500'.		
<p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: <u>10/13/2011</u></p> <p style="color: red; font-weight: bold;">By: <u><i>Derek Duff</i></u></p>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/13/2011

Please Review Attached Conditions of Approval

**RECEIVED** Oct. 13, 2011



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013507120000**

**Both strings should be cemented from setting depth back to surface as conditioned on APD.**

Well name:	<b>43013507120000 Lake Fork Ranch 3-10B4</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Surface		Project ID: 43-013-50712
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Internal fluid density: 1.000 ppg

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 158 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

Cement top: 1,926 ft

**Burst**

Max anticipated surface pressure: 3,257 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 4,577 psi  
 Annular backup: 2.33 ppg

**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.**

**Re subsequent strings:**

Next setting depth: 10,877 ft  
 Next mud weight: 10.000 ppg  
 Next setting BHP: 5,650 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 6,000 ft  
 Injection pressure: 6,000 psi

Tension is based on air weight.  
 Neutral point: 5,250 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	6000	9.625	40.00	K-55	LT&C	6000	6000	8.75	63518
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	2306	2570	1.114 <i>OK</i>	3851	3950	1.03	240	561	2.34 J

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

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

Date: October 13, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6000 ft, a mud weight of 8.4 ppg. An internal gradient of .052 psi/ft was used for collapse from TD to TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

**RECEIVED** Oct. 13, 2011

Well name:	<b>43013507120000 Lake Fork Ranch 3-10B4</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Conductor	Project ID:	43-013-50712
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 8.400 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: 659 ft

**Burst**

Max anticipated surface pressure: 316 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 436 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 876 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	13.375	54.50	J-55	ST&C	1000	1000	12.49	12408
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	436	1130	2.590	436	2730	6.26	54.5	514	9.43 J

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

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

Date: October 13, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

**RECEIVED** Oct. 13, 2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4	
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013507120000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 420-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/14/2011	<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 type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
See attached Operations Summary.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Principle Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/14/2011	

**1 General****1.1 Customer Information**

Company	WESTERN
Representative	
Address	

**1.2 Well Information**

Well	LAKE FORK RANCH 3-10B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Rig Name/No.	PROPETRO/, PETE MARTIN/	Event	DRILLING LAND
Start Date	10/1/2011	End Date	10/2/2011
Spud Date		UWI	LAKE FORK RANCH 3-10B4
Active Datum	KB @6,311.0ft (above Mean Sea Level)		
Afe No./Description	152506/ /		

**2 Summary****2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/19/2011	6:00 6:00	24.00	DPDCOND	07		P	0.0	DRILL AND SET 20" CONDUCTOR
10/1/2011	6:00 6:00	24.00	DRLSURF	07		P	40.0	MOVE IN RIG UP, HELD PREJOB SAFETY MEETING, DRILL F/ 40' - 630', SURVEY @ 600' = 1 DEV, DRILL F/ 630' - 1040', CIRCULATE, SURVEY @ 1010' = 3/4, LAY DOWN DRILLSTRING, RIG UP AND RUN CASING,RUN 13-3/8" CSG TO 995'. TEST CEMENT LINES TO 2000 PSI. CMT W/20 BBLS FRESH WATER, 20 BBLS GEL, 245.7 BBLS 1200 SKS PREMIUM CEMENT 15.8 PPG, 1.15 YIELD, 5 GAL/SK WATER, DISPLACED W/ 147 BBLS FRESH WATER. DID NOT LAND PLUG, 19 BBLS CMNT LEFT IN CASING,FLOATS DID NOT HOLD PRESSURE UP ON HEAD TO 500 PSI, SHUT IN, BLEED OFF PRESSURE REMOVE HEAD, CEMENT STAYED TO SURFACE. RD & RELEASE PRO PETRO.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4	
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013507120000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 420-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/5/2012	<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 type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p style="text-align: center;"><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 06, 2012</b></p>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Principle Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/5/2012	

**1 General****1.1 Customer Information**

Company	WESTERN US
Representative	
Address	

**1.2 Well Information**

Well	LAKE FORK RANCH 3-10B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Rig Name/No.	PROPETRO/8, PETE MARTIN/, PRECISION DRILLING/406	Event	DRILLING LAND
Start Date	10/1/2011	End Date	
Spud Date	2/28/2012	UWI	LAKE FORK RANCH 3-10B4
Active Datum	KB @6,311.0ft (above Mean Sea Level)		
Afe No./Description	152506/43966 / LAKE FORK RANCH 3-10B4		

**2 Summary****2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/19/2011	6:00 6:00	24.00	DPDCOND	07		P	0.0	DRILL AND SET 20" CONDUCTOR
10/1/2011	6:00 6:00	24.00	DRLSURF	07		P	40.0	MOVE IN RIG UP, HELD PREJOB SAFETY MEETING, DRILL F/ 40' - 630', SURVEY @ 600' = 1 DEV, DRILL F/ 630' - 1040', CIRCULATE, SURVEY @ 1010' = 3/4, LAY DOWN DRILLSTRING, RIG UP AND RUN CASING, RUN 13-3/8" CSG TO 995'. TEST CEMENT LINES TO 2000 PSI. CMT W/20 BBLS FRESH WATER, 20 BBLS GEL, 245.7 BBLS 1200 SKS PREMIUM CEMENT 15.8 PPG, 1.15 YIELD, 5 GAL/SK WATER, DISPLACED W/ 147 BBLS FRESH WATER. DID NOT LAND PLUG, 19 BBLS CEMENT LEFT IN CASING. FLOATS DID NOT HOLD PRESSURE UP ON HEAD TO 500 PSI, SHUT IN, BLEED OFF PRESSURE REMOVE HEAD, CEMENT STAYED TO SURFACE. RD & RELEASE PRO PETRO.
2/25/2012	6:00 18:00	12.00	MIRU	01		P	1,023.0	PJSM. MOVED IN 25%. CRANE BROKE DOWN, REPLACED AT 17:15 PM.
	18:00 6:00	12.00	MIRU	67		P	1,023.0	SDFN.
2/26/2012	6:00 18:00	12.00	MIRU	01		P	1,023.0	PJSM. MIRU. MOVED IN 100%. RIGGED UP 50%.
	18:00 6:00	12.00	MIRU	67		P	1,023.0	SDFN.
2/27/2012	6:00 6:00	24.00	MIRU	01		P	1,023.0	PJSM. RIGGED UP. RIGGED UP 80%.
2/28/2012	6:00 12:00	6.00	MIRU	01		P	1,023.0	WELDED ON 13-5/8" WELLHEAD, TESTED TO 800 PSI WHILE FINISHED RIG UP.
	12:00 18:00	6.00	CASCOND	28		P	1,023.0	PERFORMED S&E INSPECTION. NIPPLED UP 13 5/8" 5M ANNULAR & ROT HEAD.
	18:00 6:00	12.00	CASCOND	28		P	1,023.0	TESTED CHOKE MANIFOLD 250 / 5,000, FLOOR VALVES, & ANNULAR 250 / 2,500 PSI WHILE NU FLOWLINE, MGS LINES, FLARE LINES, ETC.
2/29/2012	6:00 10:00	4.00	CASCOND	42		P	1,023.0	CONDUCT PRESPUD INSPECTION REPAIRED NUMEROUS DEFICIENCIES
	10:00 15:00	5.00	CASCOND	14		P	1,023.0	PJSM PU / MU BHA
	15:00 16:00	1.00	CASCOND	17		P	1,023.0	SLIP & CUT DRILL LINE
	16:00 16:30	0.50	CASCOND	12		P	1,023.0	RIG SER. GREASE CROWN, BLOCKS & SWIVEL
	16:30 17:30	1.00	CASCOND	13		P	1,023.0	CONT. TRIP IN HOLE TAG UP AT 804'
	17:30 18:00	0.50	CASCOND	15		P	1,023.0	CIRC.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:00 19:00	1.00	CASCOND	31		P	1,023.0	TESTED CASING TO 1,000 PSI, HELD 30 MINUTES. INSTALLED ROT HEAD.
	19:00 22:30	3.50	CASCOND	32		P	1,033.0	FOUND PLUG HIGH AT 826'. DRILLED CEMENT, FLOAT EQUIPMENT, & 10' NH TO 1,033'.
	22:30 23:00	0.50	CASCOND	33		P	1,033.0	C & C MUD. PERFORMED 12.5 EMW FIT.
	23:00 6:00	7.00	DRLSURF	07		P	1,700.0	DRILLED 1,033 - 1,700'.
3/1/2012	6:00 11:30	5.50	DRLSURF	07		P	1,700.0	DRILL F/ 1700' - 2171
	11:30 12:00	0.50	DRLSURF	11		P	2,171.0	PRO DRIFT NOT WORKING RUN WIRELINE SURVEY
	12:00 14:00	2.00	DRLSURF	07		P	2,171.0	DRILL F/ 2171' - 2358'
	14:00 14:30	0.50	DRLSURF	12		P	2,358.0	RIG SER. SER. TOP DRIVE
	14:30 17:00	2.50	DRLSURF	07		P	2,358.0	DRILL F/ 2358' - 2554'
	17:00 17:30	0.50	DRLSURF	45		N	2,554.0	REPLACE 2" BLEEDER VALVE ON PUMP #1
	17:30 23:30	6.00	DRLSURF	07		P	2,554.0	DRILL F/ 2554' - 3,100'.
	23:30 0:00	0.50	DRLSURF	11		P	3,100.0	SL SURVEY AT 3,080' = 1.45 DEGREES.
	0:00 6:00	6.00	DRLSURF	07		P	3,100.0	DRILLED 3,100 - 3,600'.
	3/2/2012	6:00 7:00	1.00	DRLSURF	07		P	3,600.0
7:00 8:30		1.50	DRLSURF	45		N	3,664.0	CHANGE LINER & PISTON IN PUMP #1
8:30 12:30		4.00	DRLSURF	07		P	3,664.0	DRILL F/ 3664' - 3942'
12:30 13:00		0.50	DRLSURF	12		P	3,942.0	RIG SER. SER. TOP DRIVE
13:00 6:00		17.00	DRLSURF	07		P	3,942.0	DRILL F/ 3942' - 4,900'.
3/3/2012	6:00 7:30	1.50	DRLSURF	07		P	4,900.0	DRILL F/ 4900' - 4993'
	7:30 8:00	0.50	DRLSURF	45		N	4,993.0	WORK ON #2 PUMP
	8:00 14:30	6.50	DRLSURF	07		P	4,993.0	DRILL F/ 4993' - 5246'
	14:30 15:00	0.50	DRLSURF	12		P	5,246.0	RIG SER.
	15:00 0:30	9.50	DRLSURF	07		P	5,246.0	DRILL F/ 5246' - 5,498'. LOW ROP.
	0:30 2:00	1.50	DRLSURF	56		N	5,498.0	TOOH, STUCK BIT AT 5,438'. DRILLSTRING FREE EXCEPT BIT. WORKED DRILLSTRING. ORDERED SURFACE JAR.
	2:00 5:00	3.00	DRLSURF	56		N	5,498.0	SPOTTED 30 BBLs DIESEL/55 GALS EZ-SPOT PILL, LEAVING HALF INSIDE DRILLSTRING. WORKED DS. DISPLACED PILL 1.5 BPH. BIT CAME LOOSE.
3/4/2012	5:00 6:00	1.00	DRLSURF	56		N	5,498.0	REAMED TO BOTTOM. BACK-REAM OUT.
	6:00 19:00	13.00	DRLSURF	13		P	5,498.0	POH WITH BIT #1 BACK REAM F/ 4947' - 827' 196' UP INSIDE 13 3/8" CASG. UNABLE TO PULL PIPE WITH OUT BACK REAMING.
	19:00 23:30	4.50	DRLSURF	13		P	5,498.0	LD SHOCK SUB, PRO-DRIFT, MUD MOTOR, & BIT. TIH WITH BIT #2. PRECAUTIONARY REAMED LAST 2 STANDS.
3/5/2012	23:30 6:00	6.50	DRLSURF	07		P	5,640.0	DRILLED 5,498 - 5,640'.
	6:00 10:30	4.50	DRLSURF	07		P	5,640.0	DRILL F/ 5640' - 5665'
	10:30 11:00	0.50	DRLSURF	12		P	5,665.0	RIG SER.
	11:00 14:00	3.00	DRLSURF	07		P	5,665.0	DRILL F/ 5665' - 5670' POOR PENETRATION RATE
	14:00 20:00	6.00	DRLSURF	13		P	5,670.0	POH W/ BIT #2 HAVING PRESSURE PROBLEMS WITH TOP DRIVE.
	20:00 22:00	2.00	DRLSURF	13		P	5,670.0	PUMU BIT #3 & MM. TIH TO SHOE.
	22:00 23:30	1.50	DRLSURF	43		N	5,670.0	TDU REPAIR. REPLACED TOP-DRIVE RETURN HOSE.
	23:30 1:30	2.00	DRLSURF	13		P	5,670.0	FINISHED TIH.
1:30 2:30	1.00	DRLSURF	07		P	5,670.0	DRILLED 5,670 - 5,672'. WEAK MM, LOW DIFF & TORQUE.	
2:30 6:00	3.50	DRLSURF	07		P	5,672.0	DRILLED 5,672 - 5,700'.	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP		<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002		<b>9. API NUMBER:</b> 43013507120000	
<b>PHONE NUMBER:</b> 713 420-5038 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U		<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> 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"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/9/2012	<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 type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached for details.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 13, 2012</b>			
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Principle Regulatory Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/9/2012	

**1 General****1.1 Customer Information**

Company	WESTERN
Representative	
Address	

**1.2 Well Information**

Well	LAKE FORK RANCH 3-10B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Rig Name/No.	PROPETRO/8, PETE MARTIN/, PRECISION DRILLING/406	Event	DRILLING LAND
Start Date	10/1/2011	End Date	
Spud Date	2/28/2012	UWI	LAKE FORK RANCH 3-10B4
Active Datum	KB @6,311.0ft (above Mean Sea Level)		
Afe No./Description	152506/43966 / LAKE FORK RANCH 3-10B4		

**2 Summary****2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
9/19/2011	6:00 6:00	24.00	DPDCOND	07		P	0.0	DRILL AND SET 20" CONDUCTOR
10/1/2011	6:00 6:00	24.00	DRLSURF	07		P	40.0	MOVE IN RIG UP, HELD PREJOB SAFETY MEETING, DRILL F/ 40' - 630', SURVEY @ 600' = 1 DEV, DRILL F/ 630' - 1040', CIRCULATE, SURVEY @ 1010' = 3/4, LAY DOWN DRILLSTRING, RIG UP AND RUN CASING, RUN 13-3/8" CSG TO 995'. TEST CEMENT LINES TO 2000 PSI. CMT W/20 BBLS FRESH WATER, 20 BBLS GEL, 245.7 BBLS 1200 SKS PREMIUM CEMENT 15.8 PPG, 1.15 YIELD, 5 GAL/SK WATER, DISPLACED W/ 147 BBLS FRESH WATER. DID NOT LAND PLUG, 19 BBLS CEMENT LEFT IN CASING. FLOATS DID NOT HOLD PRESSURE UP ON HEAD TO 500 PSI, SHUT IN, BLEED OFF PRESSURE REMOVE HEAD, CEMENT STAYED TO SURFACE. RD & RELEASE PRO PETRO.
2/25/2012	6:00 18:00	12.00	MIRU	01		P	1,023.0	PJSM. MOVED IN 25%. CRANE BROKE DOWN, REPLACED AT 17:15 PM.
	18:00 6:00	12.00	MIRU	67		P	1,023.0	SDFN.
2/26/2012	6:00 18:00	12.00	MIRU	01		P	1,023.0	PJSM. MIRU. MOVED IN 100%. RIGGED UP 50%.
	18:00 6:00	12.00	MIRU	67		P	1,023.0	SDFN.
2/27/2012	6:00 6:00	24.00	MIRU	01		P	1,023.0	PJSM. RIGGED UP. RIGGED UP 80%.
2/28/2012	6:00 12:00	6.00	MIRU	01		P	1,023.0	WELDED ON 13-5/8" WELLHEAD, TESTED TO 800 PSI WHILE FINISHED RIG UP.
	12:00 18:00	6.00	CASCOND	28		P	1,023.0	PERFORMED S&E INSPECTION. NIPPLED UP 13 5/8" 5M ANNULAR & ROT HEAD.
	18:00 6:00	12.00	CASCOND	28		P	1,023.0	TESTED CHOKE MANIFOLD 250 / 5,000, FLOOR VALVES, & ANNULAR 250 / 2,500 PSI WHILE NU FLOWLINE, MGS LINES, FLARE LINES, ETC.
2/29/2012	6:00 10:00	4.00	CASCOND	42		P	1,023.0	CONDUCT PRESPUD INSPECTION REPAIRED NUMEROUS DEFICIENCIES
	10:00 15:00	5.00	CASCOND	14		P	1,023.0	PJSM PU / MU BHA
	15:00 16:00	1.00	CASCOND	17		P	1,023.0	SLIP & CUT DRILL LINE
	16:00 16:30	0.50	CASCOND	12		P	1,023.0	RIG SER. GREASE CROWN, BLOCKS & SWIVEL
	16:30 17:30	1.00	CASCOND	13		P	1,023.0	CONT. TRIP IN HOLE TAG UP AT 804'
	17:30 18:00	0.50	CASCOND	15		P	1,023.0	CIRC.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	18:00 19:00	1.00	CASCOND	31		P	1,023.0	TESTED CASING TO 1,000 PSI, HELD 30 MINUTES. INSTALLED ROT HEAD.
	19:00 22:30	3.50	CASCOND	32		P	1,033.0	FOUND PLUG HIGH AT 826'. DRILLED CEMENT, FLOAT EQUIPMENT, & 10' NH TO 1,033'.
	22:30 23:00	0.50	CASCOND	33		P	1,033.0	C & C MUD. PERFORMED 12.5 EMW FIT.
	23:00 6:00	7.00	DRLSURF	07		P	1,700.0	DRILLED 1,033 - 1,700'.
3/1/2012	6:00 11:30	5.50	DRLSURF	07		P	1,700.0	DRILL F/ 1700' - 2171
	11:30 12:00	0.50	DRLSURF	11		P	2,171.0	PRO DRIFT NOT WORKING RUN WIRELINE SURVEY
	12:00 14:00	2.00	DRLSURF	07		P	2,171.0	DRILL F/ 2171' - 2358'
	14:00 14:30	0.50	DRLSURF	12		P	2,358.0	RIG SER. SER. TOP DRIVE
	14:30 17:00	2.50	DRLSURF	07		P	2,358.0	DRILL F/ 2358' - 2554'
	17:00 17:30	0.50	DRLSURF	45		N	2,554.0	REPLACE 2" BLEEDER VALVE ON PUMP #1
	17:30 23:30	6.00	DRLSURF	07		P	2,554.0	DRILL F/ 2554' - 3,100'.
	23:30 0:00	0.50	DRLSURF	11		P	3,100.0	SL SURVEY AT 3,080' = 1.45 DEGREES.
	0:00 6:00	6.00	DRLSURF	07		P	3,100.0	DRILLED 3,100 - 3,600'.
	3/2/2012	6:00 7:00	1.00	DRLSURF	07		P	3,600.0
7:00 8:30		1.50	DRLSURF	45		N	3,664.0	CHANGE LINER & PISTON IN PUMP #1
8:30 12:30		4.00	DRLSURF	07		P	3,664.0	DRILL F/ 3664' - 3942'
12:30 13:00		0.50	DRLSURF	12		P	3,942.0	RIG SER. SER. TOP DRIVE
13:00 6:00		17.00	DRLSURF	07		P	3,942.0	DRILL F/ 3942' - 4,900'.
3/3/2012	6:00 7:30	1.50	DRLSURF	07		P	4,900.0	DRILL F/ 4900' - 4993'
	7:30 8:00	0.50	DRLSURF	45		N	4,993.0	WORK ON #2 PUMP
	8:00 14:30	6.50	DRLSURF	07		P	4,993.0	DRILL F/ 4993' - 5246'
	14:30 15:00	0.50	DRLSURF	12		P	5,246.0	RIG SER.
	15:00 0:30	9.50	DRLSURF	07		P	5,246.0	DRILL F/ 5246' - 5,498'. LOW ROP.
	0:30 2:00	1.50	DRLSURF	56		N	5,498.0	TOOH, STUCK BIT AT 5,438'. DRILLSTRING FREE EXCEPT BIT. WORKED DRILLSTRING. ORDERED SURFACE JAR.
	2:00 5:00	3.00	DRLSURF	56		N	5,498.0	SPOTTED 30 BBLs DIESEL/55 GALS EZ-SPOT PILL, LEAVING HALF INSIDE DRILLSTRING. WORKED DS. DISPLACED PILL 1.5 BPH. BIT CAME LOOSE.
5:00 6:00	1.00	DRLSURF	56		N	5,498.0	REAMED TO BOTTOM. BACK-REAM OUT.	
3/4/2012	6:00 19:00	13.00	DRLSURF	13		P	5,498.0	POH WITH BIT #1 BACK REAM F/ 4947' - 827' 196' UP INSIDE 13 3/8" CASG. UNABLE TO PULL PIPE WITH OUT BACK REAMING.
	19:00 23:30	4.50	DRLSURF	13		P	5,498.0	LD SHOCK SUB, PRO-DRIFT, MUD MOTOR, & BIT. TIH WITH BIT #2. PRECAUTIONARY REAMED LAST 2 STANDS.
	23:30 6:00	6.50	DRLSURF	07		P	5,640.0	DRILLED 5,498 - 5,640'.
3/5/2012	6:00 10:30	4.50	DRLSURF	07		P	5,640.0	DRILL F/ 5640' - 5665'
	10:30 11:00	0.50	DRLSURF	12		P	5,665.0	RIG SER.
	11:00 14:00	3.00	DRLSURF	07		P	5,665.0	DRILL F/ 5665' - 5670' POOR PENETRATION RATE
	14:00 20:00	6.00	DRLSURF	13		P	5,670.0	POH W/ BIT #2 HAVING PRESSURE PROBLEMS WITH TOP DRIVE.
	20:00 22:00	2.00	DRLSURF	13		P	5,670.0	PUMU BIT #3 & MM. TIH TO SHOE.
	22:00 23:30	1.50	DRLSURF	43		N	5,670.0	TDU REPAIR. REPLACED TOP-DRIVE RETURN HOSE.
	23:30 1:30	2.00	DRLSURF	13		P	5,670.0	FINISHED TIH.
	1:30 2:30	1.00	DRLSURF	07		P	5,670.0	DRILLED 5,670 - 5,672'. WEAK MM, LOW DIFF & TORQUE.
2:30 6:00	3.50	DRLSURF	07		P	5,672.0	DRILLED 5,672 - 5,700'.	
3/6/2012	6:00 8:00	2.00	DRLSURF	07		P	5,700.0	DRILL F/ 5700' - 5716' POOR PENETRATION RATE
	8:00 15:00	7.00	DRLSURF	13		P	5,716.0	POH W/ BIT #3 HOLE GOOD COND.
	15:00 15:30	0.50	DRLSURF	13		P	5,716.0	BRK. OFF BIT L/D MUD MOTOR BIT #3 HAS 5 DAMAGED CUTTERS & ALL NOZZLES MISSING
	15:30 16:00	0.50	DRLSURF	13		P	5,716.0	CLEAN UP RIG FLOOR
	16:00 21:30	5.50	DRLSURF	13		P	5,716.0	PU NEW MUD MOTOR & MAKE UP BIT #4 ( BAKER HUGHES Q507 W/ 7 x 14 JETS ) RIH

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
3/7/2012	21:30 3:30	6.00	DRLSURF	07		P	5,716.0	DRILLED 5,716 - 5,932'.
	3:30 6:00	2.50	DRLSURF	11		P	5,932.0	C & C MUD. RU & RUN VAUGHN'S GYRO SURVEY.
	6:00 6:30	0.50	DRLSURF	42		P	5,932.0	RIG OUT VAUGHN WIRELINE UNIT
	6:30 7:00	0.50	DRLSURF	07		P	5,932.0	ATTEMPT TO DRILL.
	7:00 8:00	1.00	DRLSURF	15		P	5,932.0	CIRC. BTMS. UP
	8:00 13:00	5.00	DRLSURF	13		P	5,932.0	POH WITH BIT #4
	13:00 17:00	4.00	DRLSURF	14		P	5,932.0	PJSM LD 8 3/4" DRILL COLLARS & MM.
	17:00 17:30	0.50	CASSURF	24		P	5,932.0	CLEAN UP DRILL FLOOR
	17:30 21:00	3.50	CASSURF	24		P	5,932.0	PJSM. ATTEMPTED TO LEVEL SUBSTRUCTURE/DERRICK. RU FRANK'S WESTATES' CASING TOOLS. WELDER WORKED ON AUTO-CATWALK.
	21:00 0:00	3.00	CASSURF	24		P	5,932.0	PJSM. PUMU 9 5/8", 40#, N-80, LTC SURFACE CASING. UTILIZED HOIST LINE TO PU CASING WHILE REPAIRING AUTO-CATWALK. CBU FROM 1,000'.
0:00 6:00	6.00	CASSURF	24		P	5,900.0	STAGED-IN-HOLE WITH 9 5/8", 40#, N-80, LTC SURFACE CASING. CBU AT 1,000' INTERVALS.	
3/8/2012	6:00 10:30	4.50	CASSURF	24		P	5,932.0	RUN 9 5/8". RAN FLOAT SHOE 1 JT. 9 5/8" N-80 40# LTC CASING. FLOAT COLLAR & 153 JTS. 9 5/8" N-80 40# LTC CASING. TOTAL LENGTH 5,945.55'. SET @ 5,932'.
	10:30 13:30	3.00	CASSURF	15		P	5,932.0	CIRCULATE W/ RIG PUMP. R/D CASING CREW & FILLUP TOOL.
	13:30 17:00	3.50	CASSURF	65		N	5,932.0	ATTEMPTED TO CLAMP ON CEMENTING HEAD. HINGE ON HEAD WAS BAD AND WOULD NOT CLAMP. WAITED ON NEW CEMENTING HEAD TO ARRIVE.
	17:00 22:00	5.00	CASSURF	25		P	5,932.0	PRESSURE TEST LINES TO 5,000 PSI. CEMENT W/ 100 BBLS FRESH WATER SPACER, 456 BBLS ( 1100 SKS ) 2.33 YIELD 12.0 PPG LEAD, 88 BBLS ( 370 SKS ) 1.33 YIELD 14.2 PPG TAIL. DISPLACED W/ 447.5 BBLS DRILLING MUD. BUMPED PLUG @ 21:30 HRS. PRESSURE PRIOR TO BUMPING PLUG 950 PSI, PRESSURED TO 1,450 PSI, FLOWED BACK 3 BBLS, FLOATS HELD. LOST RETURNS @ 370 BBLS INTO DISPLACEMENT.
	22:00 2:00	4.00	CASSURF	25		P	5,932.0	P/U 400' 1" PIPE & PERFORM TOP OUT JOB ( PUMPED 37 BBLS @ 15.8 PPG, 1.15 YIELD, 5 GAL/SK W/ 2% CACL2, 185 SKS ). CEMENT STAYED @ SURFACE. RD RELEASE HALLIBURTON CREWS.
2:00 6:00	4.00	CASSURF	29		P	5,932.0	ND DIVERTER STACK.	
3/9/2012	6:00 10:00	4.00	CASSURF	29		P	5,932.0	NIPPLE DOWN DIVERTER
	10:00 18:00	8.00	CASSURF	28		P	5,932.0	CUT OFF 13-3/8" HEAD, WELD AND TEST 9-5/8" 5K HEAD TO 2000 PSI / 10 MINUTES
	18:00 6:00	12.00	CASSURF	29		P	5,932.0	NIPPLE UP 10K BOPE.
3/10/2012	6:00 15:00	9.00	CASSURF	28		P	5,932.0	NIPPLE UP 10K BOPE. PRESSURE TEST CHOKE MANIFOLD.
	15:00 3:00	12.00	CASSURF	19		P	5,932.0	TEST RAMS, UPPER/LOWER KELLY VALVES TO 300 PSI LOW 5,000 PSI HIGH FOR 10 MIN EACH. TEST ANNULAR PREVENTER TO 300 PSI LOW 2,500 HIGH FOR 10 MIN EACH. TESTED CHOKE LINE, INNER & OUTER CHOKE & KILL LINE VALVES, FLOOR VALVES 300 LOW 5,000 PSI HIGH FOR 10 MIN EACH. TESTED CASING TO 2,500 PSI FOR 30 MIN. INSTALLED WEAR BUSHING.
	3:00 6:00	3.00	CASSURF	28		P	5,932.0	N/U ROTATING HEAD & FLOWLINE.
3/11/2012	6:00 11:00	5.00	DRLINT1	14		P	5,932.0	PICK UP DIRECTIONAL TOOLS AND ORIENT, PICK UP DRILL COLLARS
	11:00 15:00	4.00	DRLINT1	12		P	5,932.0	TRIP IN HOLE
	15:00 16:00	1.00	DRLINT1	72		P	5,932.0	DRILLING CEMENT, FLOAT COLLAR, FLOAT SHOE, AND 10' OF NEW HOLE
	16:00 16:30	0.50	DRLINT1	15		P	5,942.0	CIRCULATE BOTTOMS UP FOR F.I.T.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	16:30 17:00	0.50	DRLINT1	42		P	5,942.0	PERFORM F.I.T. 9.6 MUD WEIGHT. 1225 PSI ADDED SURFACE PRESSURE. 13.57 EMW AND PRESSURE GRADIENT OF 0.7.
	17:00 18:00	1.00	DRLINT1	42		P	5,942.0	FLUSH OUT MANIFOLD LINE AND BLOW DOWN.
	18:00 6:00	11.00	DRLINT1	07		P	5,942.0	DRILLING FROM 5,942' TO 6,450'.
3/12/2012	6:00 15:30	9.50	DRLINT1	07		P	6,450.0	DRILLING FROM 6450' TO 7021'
	15:30 16:00	0.50	DRLINT1	12		P	7,021.0	RIG SERVICE
	16:00 6:00	14.00	DRLINT1	07		P	7,021.0	DRILLING FROM 7021' TO 7,700'.
3/13/2012	6:00 14:30	8.50	DRLINT1	07		P	7,700.0	DRILLING FROM 7700' TO 7859'
	14:30 15:00	0.50	DRLINT1	12		P	7,859.0	RIG SERVICE
	15:00 6:00	15.00	DRLINT1	07		P	7,859.0	DRILLING FROM 7859' TO 8,360'.
3/14/2012	6:00 13:00	7.00	DRLINT1	07		P	8,360.0	DRILLING FROM 8360' TO 8512'
	13:00 13:30	0.50	DRLINT1	12		P	8,512.0	RIG SERVICE
	13:30 6:00	16.50	DPDCOND	07		P	8,512.0	DRILLING FROM 8512' TO 8,874'.
3/15/2012	6:00 16:00	10.00	DRLINT1	07		P	8,874.0	DRILLING FROM 8874' TO 9071
	16:00 16:30	0.50	DRLINT1	12		P	9,071.0	RIG SERVICE
	16:30 23:00	6.50	DRLINT1	07		P	9,071.0	DRILLING FROM 9071' TO 9,159'. ROP DECLINED TO 6 FRH. TORQUE BECAME VERY ERRATIC.
	23:00 6:00	7.00	DRLINT1	13		P	9,159.0	PUMP SLUG. POOH FOR BIT # 6. FLOW CHECKED WELL @ 5,967' WELL STATIC. CONTINUE POOH W/ NO PROBLEMS.
3/16/2012	6:00 7:00	1.00	DRLINT1	13		P	9,159.0	TRIP FOR BIT #6.
	7:00 10:00	3.00	DRLINT1	65		N	9,159.0	LEFT LOWER SECTION (8.70') OF MUD MOTOR IN HOLE. WAIT ON FISHING TOOLS
	10:00 15:00	5.00	DRLINT1	53		N	9,159.0	PICK UP FISHING TOOLS.
	15:00 19:30	4.50	DRLINT1	44		N	9,159.0	REPAIRS TO BAYLOR BRAKE.
	19:30 21:30	2.00	DRLINT1	53		N	9,159.0	CONTINUE TIH FROM 5,710' - 9,125'.
	21:30 22:00	0.50	DRLINT1	53		N	9,159.0	BREAK CIRCULATION & WASH OVER FISH @ 9,150'. ENGAGE OVERSHOT. SEEN 357 PSI. INCREASE IN PUMP PRESSURE.
	22:00 23:00	1.00	DRLINT1	53		N	9,159.0	CIRCULATE HOLE FREE OF GAS. MAX GAS 8600 UNITS.
3/17/2012	23:00 6:00	7.00	DRLINT1	53		N	9,159.0	POOH W/ FISH FROM 9,150'. FLOW CHECKED WELL @ 5,952'. WELL STATIC.
	6:00 9:30	3.50	DRLINT1	53		N	9,159.0	TRIP OUT OF HOLE WITH FISH. RETRIEVED PARTED MUD MOTOR BREAK OUT FISHING TOOLS AND LOAD OUT.
	9:30 16:30	7.00	DRLINT1	12		P	9,159.0	PICK UP TOOLS, ORIENT AND TRIP IN HOLE.
3/18/2012	16:30 6:00	13.50	DRLINT1	07		P	9,159.0	DRILLING FROM 9159' TO 9,802'.
	6:00 7:30	1.50	DRLINT1	07		P	9,742.0	DRILLING FROM 9,742' TO 9,820'.
	7:30 8:00	0.50	DRLINT1	12		P	9,820.0	RIG SERVICE
	8:00 9:30	1.50	DRLINT1	45		N	9,820.0	CHANGE SEATS IN #1 PUMP
	9:30 6:00	20.50	DRLINT1	07		P	9,820.0	DRILLING FROM 9,820' TO 10,866'.
3/19/2012	6:00 9:30	3.50	DRLINT1	07		P	10,866.0	DRILLING FROM 10,866' - 10,878'.
	9:30 14:30	5.00	DRLINT1	12		P	10,878.0	SHORT TRIP TO CASING SHOE, FIRST 6 STANDS OFF BOTTOM WERE TIGHT.
	14:30 15:00	0.50	DRLINT1	12		P	10,878.0	RIG SERVICE
	15:00 15:30	0.50	DRLINT1	43		N	10,878.0	CHANGE OIL IN TOP DRIVE
	15:30 18:00	2.50	DRLINT1	13		P	10,878.0	TRIP IN HOLE
	18:00 21:30	3.50	DRLINT1	15		P	10,878.0	WASH TO BOTTOM, CIRCULATE AND CONDITION MUD FOR LOGS. MAX GAS 7,820 UNITS.
	21:30 6:00	8.50	DRLINT1	13		P	10,878.0	POOH. L/D DIRECTIONAL TOOLS.
3/20/2012	6:00 7:30	1.50	DRLINT1	13		P	10,878.0	LAY DOWN DIRECTIONAL TOOLS
	7:30 13:00	5.50	EVLINT1	22		P	10,878.0	HELD PJSM W/ HALLIBURTON. R/U LOGGING EQUIPMENT. RUN QUAD COMBO FROM 10,886' - 4,947' WLM. NO HOLE PROBLEMS.
	13:00 21:00	8.00	DRLINT1	13		P	10,878.0	MAKE UP BIT AND TRIP IN HOLE TO LAY DOWN DRILL PIPE. STAGE IN THE HOLE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
3/21/2012	21:00 23:30	2.50	DRLINT1	15		P	10,878.0	CIRCULATE BOTTOMS UP WITH # 1 MUD PUMP DUE TO # 2 PUMP DOWN TO CHANGE VALVES & SEATS.. MAX GAS 8,996 UNITS. 5 FT FLARE. NO PIT GAIN.
	23:30 6:00	6.50	DRLINT1	14		P	10,878.0	LAY DOWN 4 1/2" DRILLPIPE FROM 10,878' TO 7,000'.
	6:00 7:00	1.00	CASINT1	14		P	10,878.0	LAY DOWN 4-1/2" DRILL PIPE FROM 7000' TO 5600'
	7:00 9:00	2.00	CASINT1	47		N	10,878.0	REPAIRS TO SKATE ON CATWALK
	9:00 18:00	9.00	CASINT1	14		P	10,878.0	LAY DOWN 4-1/2" DRILL PIPE AND BHA FROM 5600'.
	18:00 3:00	9.00	CASINT1	24		P	10,878.0	PULL WEAR BUSHING. HELD PJSM W/ CASING CREW. R/U CASING CREW AND FILL UP TOOL. M/U FLOAT SHOE, 1 JOINT 7" 29# LTC CASING, & FLOAT COLLAR. RUN 73 JTS 7" 29# LTC CASING TO 3,029'.
	3:00 3:30	0.50	CASINT1	15		P	10,878.0	CIRCULATE BOTTOMS UP W/ # 1 RIG PUMP.
3/22/2012	3:30 6:00	2.50	CASINT1	24		P	10,878.0	RUN 7" 29# LTC CASING TO 4,100'.
	6:00 15:30	9.50	CASINT1	24		P	10,878.0	FINISHED STAGE-IN-HOLE, CBU AT 2,000' INTERVALS.
	15:30 19:00	3.50	CASINT1	15		P	10,878.0	RD FRANK'S FILL-UP TOOL. MU LANDING JOINT & HES' CEMENT HEAD. CBU 5 BPM.
	19:00 22:30	3.50	CASINT1	25		P	10,878.0	PJSM. TESTED LINES TO 5000 PSI. SPACER WAS 50 BBLS FW. M & P 146 BBLS/355 SKS 12.0 PPG LEAD CEMENT WITH 2.31 YLD. TAILED WITH 34 BBLS/100 SKS 12.5 PPG CEMENT WITH 1.91 YIELD. SHUT DOWN, RELEASED PLUG. DISPLACED WITH 10 BBLS FW, PLUS 370 BBLS OF 11.1 PPG WBM, PLUS 22 BBLS FW. BUMPED PLUG AT 21:21 HRS, 03-21-2012 WITH 900 PSI PRESSURED TO 1500 PSI. BLEED BACK 2 BBLS, FLOATS HELD. GOOD RETURNS THROUGHOUT. SHOE AT 10,873'. RD HES CEMENTERS.
	22:30 23:30	1.00	CASINT1	25		P	10,878.0	RD CASING EQUIPMENT. CLEARED RIG FLOOR.
3/23/2012	23:30 6:00	6.50	CASINT1	27		P	10,878.0	BACKED OUT LANDING JOINT. ATTEMPTED TO INSTALL PACKOFF.
	6:00 18:00	12.00	CASINT1	71		N	10,878.0	ATTEMPTED TO INSTALL B-SECTION PACK-OFF. ND BOPE, LIFTED STACK. DRESSED OFF ROUGH LIP ON STUB. NU BOPE. INSTALLED & TESTED PACK-OFF ASSY TO 5,000 PSI. REPLACED BOTH SETS OF 4 1/2" RAM BLOCKS WITH 3 1/2".
	18:00 0:30	6.50	CASINT1	30		P	10,878.0	TESTED BOPE.
	0:30 1:30	1.00	CASINT1	31		P	10,878.0	TESTED CASING TO 2,500 PSI FOR 30 MINUTES.
	1:30 4:00	2.50	CASINT1	28		P	10,878.0	NU ROTATING HEAD. NU FLOWLINE.
3/24/2012	4:00 6:00	2.00	CASINT1	14		P	10,878.0	PU 6 1/8" BHA.
	6:00 16:00	10.00	CASINT1	14		P	10,878.0	PUMU 3 1/2" DP. FILLED AT 3,500' INTERVALS TO 10,000'.
	16:00 17:30	1.50	CASINT1	17		P	10,878.0	CUT & SLIP DRILL LINE.
	17:30 18:30	1.00	CASINT1	14		P	10,878.0	PU 3 1/2" DRILL PIPE 10,800'.
	18:30 20:30	2.00	CASINT1	32		P	10,878.0	DRILL SHOE TRACK, FE & 10' FORMATION FROM 10,873 - 10,883'.
	20:30 21:00	0.50	CASINT1	15		P	10,883.0	C & C.
	21:00 21:30	0.50	CASINT1	33		P	10,883.0	PERFORM FIT WIT 10.8 PPG MUD TO 2,600 PSI. 15.4 PPG MWE.
	21:30 6:00	8.50	DRLPRD	07		P	10,883.0	DRILLED 10,883' - 11,051'.
3/25/2012	6:00 6:30	0.50	DRLPRD	12		P	11,051.0	SERVICED RIG & TDU.
	6:30 6:00	23.50	DRLPRD	07		P	11,051.0	DRILLED 11,051 - 11,325'.
3/26/2012	6:00 6:30	0.50	DRLPRD	07		P	11,325.0	DRILLED 11,325 - 11,327'. BEGAN LOSING MUD WHILE PUMPING UP SURVEY & SLUGGING.
	6:30 11:00	4.50	DRLPRD	13		P	11,327.0	TOOH. HOLE SLICK.
	11:00 16:00	5.00	DRLPRD	07		P	11,327.0	TIH WITH BIT #10. FILLED AT 3,500' INTERVALS. PARTIAL RETURNS LAST HALF OF TIH. PUMPED LCM PILL TO ESTABLISH RETURNS.
	16:00 6:00	14.00	DRLPRD	07		P	11,327.0	DRILLED 11,327 - 11,515'.
3/27/2012	6:00 15:00	9.00	DRLPRD	07		P	11,327.0	DRILLED TO 11,619'.
	15:00 15:30	0.50	DRLPRD	12		P	11,619.0	RIG SERVICE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	15:30 17:00	1.50	DRLPRD	07		P	11,619.0	DRILLED TO 11,626'.
	17:00 1:00	8.00	DRLPRD	13		P	11,626.0	POOH. HOLE SLICK.
	1:00 6:00	5.00	DRLPRD	13		P	11,626.0	TIH WITH BIT # 11.
3/28/2012	6:00 8:00	2.00	DRLPRD	13		P	11,626.0	FINISHED TIH. FILLED AT SHOE. HOLE SLICK.
	8:00 8:30	0.50	DRLPRD	12		P	11,626.0	RIG SERVICE.
	8:30 6:00	21.50	DRLPRD	07		P	11,626.0	DRILLED 11,626 - 11,906'.
3/29/2012	6:00 6:30	0.50	DRLPRD	12		P	11,906.0	SERVICED RIG & TDU.
	6:30 13:00	6.50	DRLPRD	07		P	11,906.0	DRILLED 11,906 - 12,000'.
	13:00 20:00	7.00	DRLPRD	13		P	12,000.0	TOOH. 20K OVERPULL FIRST 4 STANDS, SLICK REMAINDER.
	20:00 3:00	7.00	DRLPRD	13		P	12,000.0	TIH WITH BIT # 12.
3/30/2012	3:00 6:00	3.00	DRLPRD	07		P	12,000.0	DRILLED 12,000' - 12,016'.
	6:00 6:30	0.50	DRLPRD	12		P	12,016.0	SERVICED RIG & TDU.
	6:30 13:30	7.00	DRLPRD	07		P	12,016.0	DRILLED 12,016 - 12,093'.
	13:30 20:00	6.50	DRLPRD	13		P	12,093.0	TOOH. 15K OVERPULL FIRST 2 STANDS, SLICK REMAINDER.
	20:00 23:30	3.50	DRLPRD	13		P	12,093.0	BREAK OUT AND INSPECT NEAR BIT STABILIZER. TIH WITH BIT # 13 TO 3,500'. FILL PIPE.
	23:30 6:00	6.50	DRLPRD	43		N	12,093.0	TROUBLESHOOT AND REPAIR ELECTRICAL PROBLEM ON TOP DRIVE. BURNT WIRES IN CONTROL PANEL. MONITOR WELL ON TRIP TANK.
3/31/2012	6:00 6:00	24.00	DRLPRD	43		N	12,093.0	REPAIR TOP DRIVE.
4/1/2012	6:00 16:30	10.50	DRLPRD	43		N	12,093.0	FINISHED TOP-DRIVE UNIT REPAIR.
	16:30 20:00	3.50	DRLPRD	13		P	12,093.0	TIH FROM 3,300' TO 10,639'.
	20:00 21:30	1.50	DRLPRD	17		P	12,093.0	CUT / SLIP DRILL LINE. CIRCULATE BU.
	21:30 22:30	1.00	DRLPRD	13		P	12,093.0	TIH FROM 10,369' TO 12,000'.
	22:30 23:00	0.50	DRLPRD	16		P	12,093.0	FILL PIPE. WASH LAST STAND TO BOTTOM.
	23:00 1:30	2.50	DRLPRD	07		P	12,093.0	DRILLED 12,093' - 12,116'.
	1:30 6:00	4.50	DRLPRD	43		N	12,116.0	CIRCULATE AND RECIPROCATATE PIPE WHILE TROUBLESHOOT TOP DRIVE FAILURE. BOLT BROKE ON INSIDE OF TURBO ON TOP DRIVE ENGINE.
4/2/2012	6:00 15:00	9.00	DRLPRD	43		N	12,116.0	CIRCULATED, RECIPROCATATED PIPE WHILE WAITING ON REPLACEMENT TURBO-CHARGER. INSTALLED TURBO ON TOP-DRIVE ENGINE.
	15:00 21:30	6.50	DRLPRD	07		P	12,116.0	DRILLED 12,116 - 12,190'.
	21:30 22:00	0.50	DRLPRD	12		P	12,190.0	RIG SERVICE. CHANGE GRABBER DIES ON TOP DRIVE.
	22:00 6:00	8.00	DRLPRD	07		P	12,190.0	DRILLED 12,190' - 12,280'.
4/3/2012	6:00 6:30	0.50	DRLPRD	12		P	12,280.0	SERVICED RIG & TDU.
	6:30 6:00	23.50	DRLPRD	07		P	12,280.0	DRILLED 12,280 - 12,727'.
4/4/2012	6:00 6:30	0.50	DRLPRD	12		P	12,727.0	SERVICED RIG & TDU.
	6:30 6:00	23.50	DRLPRD	07		P	12,727.0	DRILLED 12,727 - 13,027'.
4/5/2012	6:00 6:30	0.50	DRLPRD	12		P	13,027.0	SERVICED RIG & TDU.
	6:30 13:30	7.00	DRLPRD	07		P	13,027.0	DRILLED 13,027 - 13,110'.
	13:30 20:30	7.00	DRLPRD	13		P	13,110.0	TFNB.
	20:30 3:30	7.00	DRLPRD	13		P	13,110.0	TIH WITH BIT # 14.
	3:30 6:00	2.50	DRLPRD	07		P	13,110.0	DRILLED 13,110' - 13,160'.
4/6/2012	6:00 8:30	2.50	DRLPRD	45		N	13,140.0	WORK ON PUMPS
	8:30 14:00	5.50	DRLPRD	07		P	13,140.0	DRILLING FROM 13,140' TO 13,237
	14:00 14:30	0.50	DRLPRD	12		P	13,237.0	RIG SERVICE
	14:30 15:00	0.50	DRLPRD	45		P	13,327.0	PRIME PUMPS
	15:00 6:00	15.00	DRLPRD	07		P	13,327.0	DRILLING FROM 13,237' TO 13,487'.
4/7/2012	6:00 14:00	8.00	DRLPRD	07		P	13,487.0	DRILLING FROM 13,487 TO 13,608
	14:00 14:30	0.50	DRLPRD	12		P	13,608.0	RIG SERVICE
	14:30 4:00	13.50	DRLPRD	07		P	13,608.0	DRILLING FROM 13,608 TO 13,800'.
	4:00 5:00	1.00	DRLPRD	15		P	13,800.0	CIRCUALTE BU.
	5:00 6:00	1.00	DRLINT1	13		P	13,800.0	WIPER TRIP TO SHOE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/8/2012	6:00 7:30	1.50	DRLPRD	13		P	13,800.0	SHORT TRIP TO 7" CASING SHOE
	7:30 8:30	1.00	DRLPRD	44		N	13,800.0	REPAIRS TO TOP DRIVE / LINK TILT
	8:30 10:00	1.50	DRLPRD	13		P	13,800.0	TRIP IN HOLE
	10:00 18:30	8.50	DRLPRD	15		P	13,800.0	CIRCULATE AND CONDITION MUD. LOST APP 240 BBLS
	18:30 0:30	6.00	DRLPRD	13		P	13,800.0	DROP DRIFT. POOH TO LOG.
	0:30 6:00	5.50	EVLPRD	22		P	13,800.0	RU HALLIBURTON. LOG WELL.
4/9/2012	6:00 8:00	2.00	EVLPRD	22		P	13,800.0	LOG WITH HALLIBURTON
	8:00 13:30	5.50	CASPRD1	24		P	13,800.0	RIG UP CASING CREW AND RUN 4-1/2" LINER. RAN FLOAT SHOE, 1 JOINT OF 4-1/2" 13.50 PPF P-110 LTC CASING, FLOAT SHOE, STOP COLLAR, 74 JOINTS OF CASING, AND VERSAFLEX LINER HANGER.
	13:30 14:30	1.00	CASPRD1	24		P	13,800.0	CIRCULATE CASING VOLUME AND RIG DOWN CASING CREW.
	14:30 2:00	11.50	CASPRD1	24		P	13,800.0	TRIP IN HOLE WITH DP , FILLING DRILL PIPE EVERY 10 STANDS AND CIRCULATING BOTTOMS UP EVERY 2000'. WASH LAST 2 STANDS TO BOTTOM.
	2:00 6:00	4.00	CASPRD1	15		P	13,800.0	CIRCULATE BU. CIRCULATE GAS. RU CEMENTERS.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4	
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013507120000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 420-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/25/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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.

Please see attached for details.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** April 24, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Principle Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/18/2012	

**Lakefork Ranch 3-10B4  
Initial Completion  
43013507120000**

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

1. Review torque turning and running of the 7" and 4 1/2" 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 4 1/2" casing from the 7" after the frac.
6. 2 7/8" tubing will be run to isolate the 7" casing during the flow back of the well.
7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

**Completion Information (Wasatch Formation)**

- Stage 1: RU WL unit with 10K lubricator and test to 10000 psi with water. Perforations from ~13459' – 13747' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~130000# Inter. Ceramic 20/40.
- Stage 2: RU 10K lubricator and test to 10000 psi with water. Set 10K CBP @ ~13445'. Test CBP and casing to 8500 psi. Perforations from ~13119' – 13429' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~125000# Inter. Ceramic 20/40.
- Stage 3: RU WL unit with 10K lubricator and test to 10000 psi with water. Set 10K CBP @ ~13100'. Test CBP and casing to 8500 psi. Perforations from ~12814' – 13079' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~127000# Inter. Ceramic 20/40.

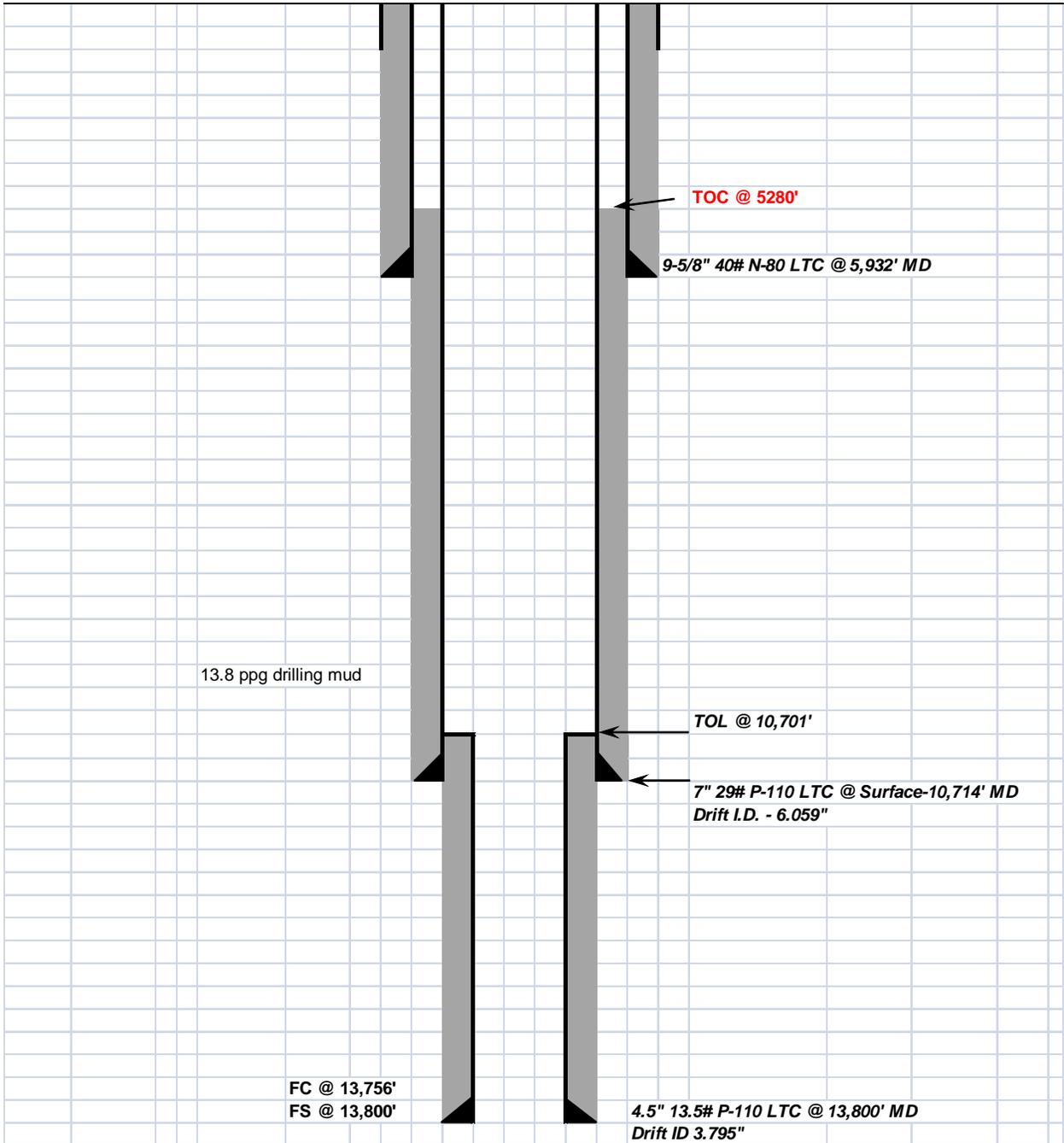
- Stage 4: RU 10K lubricator and test to 10000 psi with water. Set 10K CBP @ ~12805'. Test CBP and casing to 8500 psi. Perforations from ~12480' – 12797' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~135000# Inter. Ceramic 20/40.
- Stage 5: RU 10K lubricator and test to 10000 psi with water. Set 10K CBP @ ~12450'. Test CBP and casing to 8500 psi. Perforations from ~12118' – 12442' with ~5000 gallons of 15% HCL acid, ~3500# of 100 mesh sand and ~138000# Inter. Ceramic 20/40.
- Stage 6: RU 10K lubricator and test to 10000 psi with water. Set 10K CBP @ ~12095'. Test CBP and casing to 8500 psi. Perforations from ~11778' – 12090' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~135000# Inter. Ceramic 20/40.
- Stage 7: RU 10K lubricator and test to 10000 psi with water. Set 10K CBP @ ~11770'. Test CBP and casing to 8500 psi. Perforations from ~11521' – 11764' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~126000# Inter. Ceramic 20/40.



**Current Wellbore Schematic**

Company Name: El Paso Exploration & Production  
Well Name: Lakefork Ranch 3-10B4  
Field, County, State: Altamont - Bluebell, Duchesne, Utah  
Surface Location: Lat: 40° 19' 10.36752" N Long: 110° 18' 55.84456" W  
Producing Zone(s): Wasatch

Last Updated: 4/17/2012  
By: Peter Schmeltz  
TD: 13,800'  
BHL: \_\_\_\_\_  
Elevation: \_\_\_\_\_

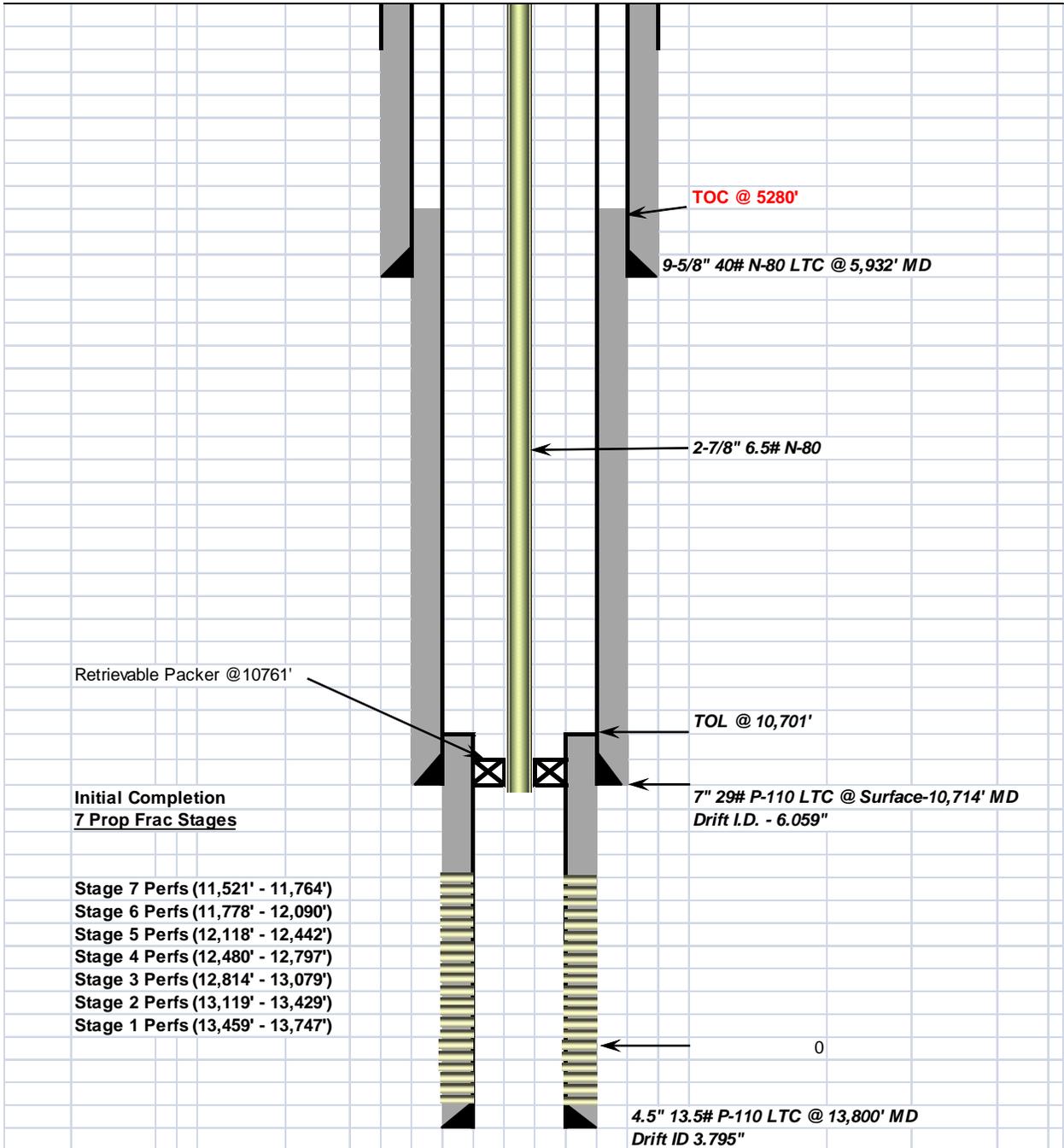




**Initial Completion Wellbore Schematic**

Company Name: El Paso Exploration & Production  
 Well Name: Lakefork Ranch 3-10B4  
 Field, County, State: Altamont - Bluebell, Duchesne, Utah  
 Surface Location: Lat: 40° 19' 10.36752" N Long: 110° 18' 55.84456" W  
 Producing Zone(s): Wasatch

Last Updated: 4/17/2012  
 By: Peter Schmeltz  
 TD: 13,800'  
 BHL: \_\_\_\_\_  
 Elevation: \_\_\_\_\_



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP		<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana St. , Houston, TX, 77002		<b>9. API NUMBER:</b> 43013507120000
<b>PHONE NUMBER:</b> 713 420-5038 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/2/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached for details.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 09, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 420-5038	<b>TITLE</b> Principle Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/2/2012	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	15:30 17:00	1.50	DRLPRD	07		P	11,619.0	DRILLED TO 11,626'.
	17:00 1:00	8.00	DRLPRD	13		P	11,626.0	POOH. HOLE SLICK.
	1:00 6:00	5.00	DRLPRD	13		P	11,626.0	TIH WITH BIT # 11.
3/28/2012	6:00 8:00	2.00	DRLPRD	13		P	11,626.0	FINISHED TIH. FILLED AT SHOE. HOLE SLICK.
	8:00 8:30	0.50	DRLPRD	12		P	11,626.0	RIG SERVICE.
	8:30 6:00	21.50	DRLPRD	07		P	11,626.0	DRILLED 11,626 - 11,906'.
3/29/2012	6:00 6:30	0.50	DRLPRD	12		P	11,906.0	SERVICED RIG & TDU.
	6:30 13:00	6.50	DRLPRD	07		P	11,906.0	DRILLED 11,906 - 12,000'.
	13:00 20:00	7.00	DRLPRD	13		P	12,000.0	TOOH. 20K OVERPULL FIRST 4 STANDS, SLICK REMAINDER.
	20:00 3:00	7.00	DRLPRD	13		P	12,000.0	TIH WITH BIT # 12.
3/30/2012	3:00 6:00	3.00	DRLPRD	07		P	12,000.0	DRILLED 12,000' - 12,016'.
	6:00 6:30	0.50	DRLPRD	12		P	12,016.0	SERVICED RIG & TDU.
	6:30 13:30	7.00	DRLPRD	07		P	12,016.0	DRILLED 12,016 - 12,093'.
	13:30 20:00	6.50	DRLPRD	13		P	12,093.0	TOOH. 15K OVERPULL FIRST 2 STANDS, SLICK REMAINDER.
	20:00 23:30	3.50	DRLPRD	13		P	12,093.0	BREAK OUT AND INSPECT NEAR BIT STABILIZER. TIH WITH BIT # 13 TO 3,500'. FILL PIPE.
3/31/2012	23:30 6:00	6.50	DRLPRD	43		N	12,093.0	TROUBLESHOOT AND REPAIR ELECTRICAL PROBLEM ON TOP DRIVE. BURNT WIRES IN CONTROL PANEL. MONITOR WELL ON TRIP TANK.
	6:00 6:00	24.00	DRLPRD	43		N	12,093.0	REPAIR TOP DRIVE.
4/1/2012	6:00 16:30	10.50	DRLPRD	43		N	12,093.0	FINISHED TOP-DRIVE UNIT REPAIR.
	16:30 20:00	3.50	DRLPRD	13		P	12,093.0	TIH FROM 3,300' TO 10,639'.
	20:00 21:30	1.50	DRLPRD	17		P	12,093.0	CUT / SLIP DRILL LINE. CIRCULATE BU.
	21:30 22:30	1.00	DRLPRD	13		P	12,093.0	TIH FROM 10,369' TO 12,000'.
	22:30 23:00	0.50	DRLPRD	16		P	12,093.0	FILL PIPE. WASH LAST STAND TO BOTTOM.
	23:00 1:30	2.50	DRLPRD	07		P	12,093.0	DRILLED 12,093' - 12,116'.
4/2/2012	1:30 6:00	4.50	DRLPRD	43		N	12,116.0	CIRCULATE AND RECIPROCATATE PIPE WHILE TROUBLESHOOT TOP DRIVE FAILURE. BOLT BROKE ON INSIDE OF TURBO ON TOP DRIVE ENGINE.
	6:00 15:00	9.00	DRLPRD	43		N	12,116.0	CIRCULATED, RECIPROCATATED PIPE WHILE WAITING ON REPLACEMENT TURBO-CHARGER. INSTALLED TURBO ON TOP-DRIVE ENGINE.
	15:00 21:30	6.50	DRLPRD	07		P	12,116.0	DRILLED 12,116 - 12,190'.
	21:30 22:00	0.50	DRLPRD	12		P	12,190.0	RIG SERVICE. CHANGE GRABBER DIES ON TOP DRIVE.
4/3/2012	22:00 6:00	8.00	DRLPRD	07		P	12,190.0	DRILLED 12,190' - 12,280'.
	6:00 6:30	0.50	DRLPRD	12		P	12,280.0	SERVICED RIG & TDU.
	6:30 6:00	23.50	DRLPRD	07		P	12,280.0	DRILLED 12,280 - 12,727'.
4/4/2012	6:00 6:30	0.50	DRLPRD	12		P	12,727.0	SERVICED RIG & TDU.
	6:30 6:00	23.50	DRLPRD	07		P	12,727.0	DRILLED 12,727 - 13,027'.
4/5/2012	6:00 6:30	0.50	DRLPRD	12		P	13,027.0	SERVICED RIG & TDU.
	6:30 13:30	7.00	DRLPRD	07		P	13,027.0	DRILLED 13,027 - 13,110'.
	13:30 20:30	7.00	DRLPRD	13		P	13,110.0	TFNB.
	20:30 3:30	7.00	DRLPRD	13		P	13,110.0	TIH WITH BIT # 14.
	3:30 6:00	2.50	DRLPRD	07		P	13,110.0	DRILLED 13,110' - 13,160'.
4/6/2012	6:00 8:30	2.50	DRLPRD	45		N	13,140.0	WORK ON PUMPS
	8:30 14:00	5.50	DRLPRD	07		P	13,140.0	DRILLING FROM 13,140' TO 13,237
	14:00 14:30	0.50	DRLPRD	12		P	13,237.0	RIG SERVICE
	14:30 15:00	0.50	DRLPRD	45		P	13,327.0	PRIME PUMPS
	15:00 6:00	15.00	DRLPRD	07		P	13,327.0	DRILLING FROM 13,237' TO 13,487'.
4/7/2012	6:00 14:00	8.00	DRLPRD	07		P	13,487.0	DRILLING FROM 13,487 TO 13,608
	14:00 14:30	0.50	DRLPRD	12		P	13,608.0	RIG SERVICE
	14:30 4:00	13.50	DRLPRD	07		P	13,608.0	DRILLING FROM 13,608 TO 13,800'.
	4:00 5:00	1.00	DRLPRD	15		P	13,800.0	CIRCUALTE BU.
	5:00 6:00	1.00	DRLINT1	13		P	13,800.0	WIPER TRIP TO SHOE.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/8/2012	6:00 7:30	1.50	DRLPRD	13		P	13,800.0	SHORT TRIP TO 7" CASING SHOE
	7:30 8:30	1.00	DRLPRD	44		N	13,800.0	REPAIRS TO TOP DRIVE / LINK TILT
	8:30 10:00	1.50	DRLPRD	13		P	13,800.0	TRIP IN HOLE
	10:00 18:30	8.50	DRLPRD	15		P	13,800.0	CIRCULATE AND CONDITION MUD. LOST APP 240 BBLS
	18:30 0:30	6.00	DRLPRD	13		P	13,800.0	DROP DRIFT. POOH TO LOG.
	0:30 6:00	5.50	EVLPRD	22		P	13,800.0	RU HALLIBURTON. LOG WELL.
4/9/2012	6:00 8:00	2.00	EVLPRD	22		P	13,800.0	LOG WITH HALLIBURTON
	8:00 13:30	5.50	CASPRD1	24		P	13,800.0	RIG UP CASING CREW AND RUN 4-1/2" LINER. RAN FLOAT SHOE, 1 JOINT OF 4-1/2" 13.50 PPF P-110 LTC CASING, FLOAT SHOE, STOP COLLAR, 74 JOINTS OF CASING, AND VERSAFLEX LINER HANGER.
	13:30 14:30	1.00	CASPRD1	24		P	13,800.0	CIRCULATE CASING VOLUME AND RIG DOWN CASING CREW.
	14:30 2:00	11.50	CASPRD1	24		P	13,800.0	TRIP IN HOLE WITH DP , FILLING DRILL PIPE EVERY 10 STANDS AND CIRCULATING BOTTOMS UP EVERY 2000'. WASH LAST 2 STANDS TO BOTTOM.
	2:00 6:00	4.00	CASPRD1	15		P	13,800.0	CIRCULATE BU. CIRCULATE GAS. RU CEMENTERS.
4/10/2012	6:00 7:00	1.00	CASPRD1	15		P	13,800.0	CIRCULATE CASING
	7:00 8:00	1.00	CASPRD1	41		P	13,800.0	PRE JOB SAFETY MEETING WITH HALLIBURTON AND PRECISION RIG CREW
	8:00 10:00	2.00	CASPRD1	25		P	13,800.0	PRESSURE TEST LINES TO 9000 PSI, CEMENT WITH 20 BBLS. TUNED SPACER III (14 PPG) , 66.1 BBLS (265 SKS. 1.40 YIELD) 50/50 POZ PREMIUM CEMENT. DISPLACED WITH 10 BBLS. OF FRESH WATER AND 115 BBLS. OF 13.8 PPG DRILLING MUD. BUMPED PLUG, PRESSURED TO 2100 PSI, FLOWED BACK 1/2 BBL, FLOATS HELD. DROPPED BALL. PRESSURED TO 4400 PSI, RUPTURED DISC. PUMPED 48.5 BBLS. SEATED BALL, PRESSURED TO 5500 PSI AND SET LINER HANGER. PULL TESTED 100,000# OVER, HELD. SLACKED OFF, SHEARED OFF OF LINER HANGER.
	10:00 11:30	1.50	CASPRD1	15		P	13,800.0	CIRCULATED BOTTOMS UP X2. WHILE RECIPROCATING PIPE. CIRCULATED 7 BBLS. OF GOOD CEMENT TO SURFACE.
	11:30 12:00	0.50	CASPRD1	13		P	13,800.0	PULLED 5 STANDS OF DP
	12:00 12:30	0.50	CASPRD1	31		P		PRESSURE TEST TOP OF LINER 1000 PSI / 10 MINUTES, HELD
	12:30 14:30	2.00	CASINT5	42		P	13,800.0	RIG DOWN HALLIBURTON HEAD AND CEMENT LINES, FLUSH GAS BUSTER, MANIFOLD, AND BOPE (CEMENT)
	14:30 5:30	15.00	CASPRD1	14		P	13,800.0	LAY DOWN 3-1/2" DRILL PIPE.
	5:30 6:00	0.50	CASPRD1	23		P	13,800.0	CLEAN STACK. CHANGE RAMS.
	4/11/2012	6:00 11:00	5.00	CASPRD1	29		P	13,800.0
11:00 21:00		10.00	CASPRD1	29		P	13,800.0	NIPPLE DOWN 10k BOPE
21:00 22:30		1.50	CASPRD1	27		P	13,800.0	INSTALL TUBING SPOOL. TEST TO 5,000 PSI FOR 15 MINUTES.
22:30 6:00		7.50	RDMO	02		P	13,800.0	RIGGING DOWN. WASH TANKS. RIG RELEASED AT 4/11/2012
4/12/2012	6:00 6:00	24.00	RDMO	02		P	13,800.0	RIG DOWN, MOVE CAMP. 20% MOVED, 80% RIGGED DOWN

## 1 General

### 1.1 Customer Information

Company	WESTERN
Representative	
Address	

### 1.2 Well Information

Well	LAKE FORK RANCH 3-10B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Rig Name/No.	WWS/1	Event	COMPLETION LAND
Start Date	4/17/2012	End Date	
Spud Date	2/28/2012	UWI	LAKE FORK RANCH 3-10B4
Active Datum	KB @6,311.0ft (above Mean Sea Level)		
Afe No./Description	152506/43966 / LAKE FORK RANCH 3-10B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/19/2011	6:00 7:00	1.00	MIRU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; ROADING RIG
	7:00 9:30	2.50	MIRU	01		P		ROAD RIG FROM 1-27A1 TO LOCATION
	9:30 13:00	3.50	MIRU	01		P		MIRU R/D WELL HEAD TURN VALVES TOWARDS ENTRANCE N/U WELL HEAD N/U BOPE TEST WELL HEAD TEST BOPE TO 10K FOR 15 MIN ON CHART INSTALL WASHINGTON HEAD
	13:00 16:30	3.50	PRDHEQ	10		P		P/U 3 3/4" MILL 4-3 1/6" DRILL COLLARS IF X 2 3/8" XO TIH P/U 95 JTS OF 2 3/8" TBG 2 3/8" X 2 7/8" XO 1JT OF 2 7/8" TBG
	16:30 19:00	2.50	WBP	06		P		INSTALL 2 7/8" TBG WASHINGTON RUBER R/U PMP AND LINES CICR WELL CLEAN AT 3164' w HOT 2% KCL DRAIN PMP AND LINES SECURE WELL SDFN
4/20/2011	6:00 7:00	1.00	WBP	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PICKING UP TBG
	7:00 20:00	13.00	WBP	39		P		CONTINUE TIH P/U 2 7/8" TBG CIRC MUD AS NEED TO FLOW BACK TANK TIH w TTL OF 334 JTS OF 2 7/8" TBG TAG TOC AT 13683' CIRC WELL CLEAN L/D 1JT SECURE WELL SDFN
4/21/2011	6:00 7:00	1.00	WBP	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVLE
	7:00 13:00	6.00	WBP	10		P		TIH w 1 JT OF 2 7/8" TBG TAG FILL AT 13683' MD...R/U POWER SWIVEL ESTABLISH CIRC w 2% KCL WATER C/O FILL TAG FLOAT COLLAR AT 13740' MD C/O TO 13766' MD CIRC CLEAN R/D POWER SWIVEL
	13:00 18:00	5.00	PRDHEQ	39		P		TOH w 349 JTS OF 2 7/8" TBG EOT 3124' SECURE WELL SDFN
4/22/2011	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING DOWN
	7:00 9:00	2.00	PRDHEQ	39		P		FINISH TOH L/D 1 JTS OF 2 7/8" TBG 95 JTS OF 2 3/8" TBG L/D C/O BHA REMOVE WASHING TON HEAD INTALL NIGHT CAP
	9:00 10:00	1.00	RDMO	02		P		RDMO RACK OUT PMP AND LINES
	10:00 12:00	2.00	SITEPRE	18		P		MOVE TBG TO SIDE OF LOCATION w FORK LIFT
	12:00 17:30	5.50	WLWORK	22		P		R/U WIRELINE RUN CBL/CCL/GR LOG FROM 13790 PBDT WLM TO TOC AT 4500' WLM R/D WIRELINE INSTALL NIGHT CAP
	17:30 21:00	3.50	WBP	31		P		R/U TEST TRUCK TEST 7" CSG TO 9400 PSI AND CHART FOR 30 MIN MONITOR 9 5/8" CSG TEST GOOD R/D TEST TRUCK SECURE WELL SDFW

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/23/2011								NO ACTIVITY DOWN FOR WEEKEND
4/24/2011	7:00 15:00	8.00	SITEPRE	28		P		HSM WRITE AND REVIEW JSA TOPIC; MOVE IN FRAC EQUIPMENT...START MOVING IN FRAC EQUIPMENT
4/25/2011	6:00 7:00	1.00	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WORKING WITH WIRELINE...START HEATING FRAC TANKS
	7:00 11:00	4.00	STG01	21		P		MIRU WIRELINE TEST LUBRICATOR TIH w 2 3/4" HSC 15 GM CHARGE 3 JSPF & 120 PHASING PERFORATE STG 1 PERFORATIONS 13747'-13459' 23 NET FT 69 TTL SHOTS w 1000 PSI ON CSG NO CHANGE IN PRESSURE TOH w L/D GUN
	11:00 14:00	3.00	STG01	35		P		R/U STINGER MIRU FRAC EQUIPMENT
	14:00 16:00	2.00	STG01	35		P		STAGE 1; PRESSURE TEST LINES TO 9000 PSI. OPEN WELL. SICP 1264 PSI. BREAK DOWN STAGE 1 PERFORATIONS 13747' TO 13459' AT 6060 PSI, PUMPING 5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS PERFORM STEP DOWN TEST AT END. ISDP 5787 PSI. 5 MINUTE 5631 PSI. 10 MINUTE 5563 PSI. 15 MINUTE 5458 PSI. TREATED STAGE 1... AS PER PROCEDURE PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6272 PSI. 5 MIN 6155 PSI. 10 MINUTE 6003 PSI. 15 MINUTE 5837 PSI. AVG RATE 55.2 BPM. AVG PSI 7122 PSI. MAX RATE 65.9 BPM. MAX PSI 7923 PSI. TTL PROP 136057 TURN OVER TO WIRELINE
	16:00 18:00	2.00	STG01	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 13445' PRESSURE ON WELL 6300 PSI PERFORATE STAGE 2 PERFORATIONS 13427' TO 13119', 21 NET FEET 63 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 5400 PSI TOH L/D GUNS SECURE WELL SDFN HAUL IN AND HEAT WATER
4/26/2011	6:00 7:00	1.00	STG02	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 10:30	3.50	STG02	35		P		STAGE 2; PRESSURE TEST LINES TO 8750 PSI. OPEN WELL. SICP 4726 PSI. BREAK DOWN STAGE 2 PERFORATIONS 13427' TO 13119' AT 5817 PSI, PUMPING 5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS PERFORM STEP DOWN TEST AT END. ISDP 5511 PSI. 5 MINUTE 5447 PSI. 10 MINUTE 5409 PSI. 15 MINUTE 5391 PSI. TREATED STAGE 2... AS PER PROCEDURE PAD 100M SPACER STARTED 1# TERRAPROP PRO (200#) SHUT DOWN TO RE PARE LEAK IN LINE UNABLE TO PMP INTO BLED OFF PRESSURE START PMPING INTO CHASE PRESSURE WITH RATE GO TO LINER FLUSH RE-ESTABLISH RATE AS PER PETER SCHMELTS RE-START JOB PMP PAD NO 100 MESH SPACER 1# TETTA PROP 2# TERRA PROP PRO 3# TERRA PROP PRO STAY ON 3# FOR DESINGED PROP VOLUME STG FLUSH TO TOP PERF...ISDP 5962 PSI. 5 MIN 5991 PSI. 10 MINUTE 5915 PSI. 15 MINUTE 5882 PSI. AVG RATE 51.5 BPM. AVG PSI 7299 PSI. MAX RATE 69.3 BPM. MAX PSI 8487 PSI. TTL PROP 126750# TURN OVER TO WIRELINE
	10:30 12:00	1.50	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 13100' PRESSURE ON WELL 6300 PSI PERFORATE STAGE 3 PERFORATIONS 13079' TO 12814', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 5100 PSI TOH L/D GUNS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:00 14:00	2.00	STG03	35		P		STAGE 3; PRESSURE TEST LINES TO 9250 PSI. OPEN WELL SICIP 5390 PSI. BREAK DOWN STAGE 4 PERFORATIONS 13079' TO 12814' AT 8060 PSI, PUMPING 3.5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 4923 PSI. 5 MINUTE 4792 PSI. 10 MINUTE 4675 PSI. 15 MINUTE 4542 PSI TREATED STAGE 3... AS PER PROCEDURE PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6248 PSI. 5 MIN 5727 PSI. 10 MINUTE 5630 PSI. 15 MINUTE 5582 PSI. AVG RATE 59 BPM. AVG PSI 7352 PSI. MAX RATE 67.6 BPM. MAX PSI 8054 PSI. TOTAL TERRAPROP PRO PUMPED 128850# TURN OVER TO WIRELINE
	14:00 16:00	2.00	STG04	21		P		STAGE 4; SET COMPOSITE FRAC PLUG AT 12810' PRESSURE ON WELL 6300 PSI PERFORATE STAGE 4 PERFORATIONS 12797' TO 12480', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3600 PSI TOH L/D GUNS
	16:00 18:00	2.00	STG04	35		P		STAGE 4; PRESSURE TEST LINES TO 8500 PSI. OPEN WELL SICIP 3454 PSI. BREAK DOWN STAGE 4 PERFORATIONS 12797' TO 12480' AT 6347 PSI, PUMPING 6.5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 3824 PSI. 5 MINUTE PSI. 10 MINUTE 4675 PSI. 15 MINUTE 1862 PSI SECURE WELL HAUL IN WATER FOR FRAC SDFN
4/27/2011	6:00 7:00	1.00	STG04	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 9:00	2.00	STG04	35		P		LOAD HOLE w 184 BBLs TREATED STAGE 4... AS PER PETER SCHMELTZ (ADD TO JOB 1000# OF 100M ADD FLUID LOSS 300 TO 500# PER STG INCREASE SPACER 2000 GALS) PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6385 PSI. AVG RATE 64.5 BPM. AVG PSI 6830 PSI. MAX RATE 70.7 BPM. MAX PSI 7982 PSI. TOTAL TERRAPROP PRO PUMPED 137546# TURN OVER TO WIRELINE
	9:00 10:30	1.50	STG05	21		P		STAGE 5; SET COMPOSITE FRAC PLUG AT 12465' PRESSURE ON WELL 4200 PSI PERFORATE STAGE 5 PERFORATIONS 12441' TO 12117', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3400 PSI TOH L/D GUNS
	10:30 12:30	2.00	STG05	35		P		STAGE 5; PRESSURE TEST LINES TO 8500 PSI. OPEN WELL SICIP 2900 PSI. BREAK DOWN STAGE 5 PERFORATIONS 12441' TO 12117' AT 5149 PSI, PUMPING 11.8 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 4761PSI. 5 MINUTE 3385 PSI. 10 MINUTE 2861 PSI. 15 MINUTE 2577 PSI TREATED STAGE 5... AS PER REVISED PROCEDURE BY PETER SCHMELTZ PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6110 PSI AVG RATE 66 BPM. AVG PSI 6648 PSI. MAX RATE 70.2 BPM. MAX PSI 7825 PSI. TOTAL TERRAPROP PRO PUMPED 128155# TURN OVER TO WIRELINE
	12:30 14:00	1.50	STG06	21		P		STAGE 6; SET COMPOSITE FRAC PLUG AT 12095' PRESSURE ON WELL 5500 PSI PERFORATE STAGE 6 PERFORATIONS 12089' TO 11777', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3400 PSI TOH L/D GUNS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	14:00 15:30	1.50	STG06	35		P		STAGE 6; PRESSURE TEST LINES TO 8100 PSI. OPEN WELL SICP 2512 PSI. BREAK DOWN STAGE 6 PERFORATIONS 12089' TO 11777' AT 4265 PSI, PUMPING 4.3 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 3288 PSI. 5 MINUTE 2582 PSI. 10 MINUTE 2076 PSI. 15 MINUTE 1736 PSI TREATED STAGE 6... AS PER PROCEDURE PAD 100M ADD ADDITIONAL 2000 GALS OF SPACER AS PER PETER SCHEMLTZ 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 5353 PSI AVG RATE 69.4 BPM. AVG PSI 5427 PSI. MAX RATE 71.1 BPM. MAX PSI 6897 PSI. TOTAL TERRAPROP PRO PUMPED 136994# TURN OVER TO WIRELINE
	15:30 18:00	2.50	STG07	21		P		STAGE 7; SET COMPOSITE FRAC PLUG AT 11770' PRESSURE ON WELL 5353 PSI PERFORATE STAGE 7 PERFORATIONS 11763' TO 11519', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3400 PSI TOH L/D GUNS SECURE WELL R/D WIRE LINE SDFN HAUL IN AND HEAT WATER FORM STG 7
4/28/2011	6:00 7:00	1.00	STG07	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 9:00	2.00	STG07	21		P		STAGE 7; PRESSURE TEST LINES TO 8100 PSI. OPEN WELL SICP 0 PSI. 15 BBLs TO FILL BREAK DOWN STAGE 7 PERFORATIONS 11763' TO 11519' AT 3930 PSI, PUMPING 6.5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSH TO BOTTOM PERF PLUS 10 BBLs. ISDP 4082 PSI. 5 MINUTE 3833 PSI. 10 MINUTE 3532 PSI. 15 MINUTE 2864 PSI TREATED STAGE 7... AS PER PROCEDURE PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 4689 PSI. AVG RATE 69.9 BPM. AVG PSI 5163 PSI. MAX RATE 70.2 BPM. MAX PSI 6163 PSI. TOTAL TERRAPROP PRO PUMPED 127832#
	9:00 11:30	2.50	STG07	35		P		SECURE WELL R/D FRAC EQUIPMENT R/D STINGER INSTALL NIGHT CAP START STACKING FRAC TANKS
	11:30 17:30	6.00	CTU	16		P		WAIT ON COIL TBG
	17:30 20:30	3.00	CTU	16		P		MIRU COIL & EQUIPMENT
4/29/2011	6:00 7:00	1.00	CTU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; COIL TBG OPERATIONS
	7:00 8:00	1.00	CTU	10		P		FILL COIL TBG w 2% KCL FUNCTION TEST MOTOR TEST COIL AND BOPE
	8:00 13:30	5.50	CTU	10		P		OPEN WELL 0 PSI ESTABLISH CIRC w 200 BBL OF 2% KCL AT 2 BPM TIH w COIL DRILL PLUG AT 11773' C/O TO 11797' MOTOR KEEPS STALLING CYCLE OUT ON COIL TBG
	13:30 16:30	3.00	CTU	10		P		TOH w COIL TBG LOOK AT MILL AND MOTOR CUT 60' OF COIL TBG MAKE UP NEW MOTOR AND MILL
	16:30 3:30	11.00	CTU	10		P		TIH w COIL TBG TAG AT 11163' DRILL OUT PLUG AND C/O 4 1/2" LINER TO PBDT AT 13843' COIL TBG MD CIRC WELL CLEAN TOH R/D COIL TURN WELL OVER TO FLOW BACK
	3:30 6:00	2.50	CTU	10		P		FLOW BACK 63 BBLs WTR NO OIL NO GAS ON 12/64 CHOCK 1600 PSI
4/30/2011	6:00 6:00	24.00	FB	17		P		WELL TEST: 97 BBLs OF OIL 240 BBLs OF WATER 255 GAS 1750 PSI WELL IS FLOWING TO FACILITIES ON A 14/64 CHOKE
5/1/2011	6:00 6:00	24.00	FB	17		P		WELL TEST: 408 BBLs OF OIL 405 BBLs OF WATER 497 GAS 1300 PSI WELL IS FLOWING TO FACILITIES ON A 16/64 CHOKE
5/2/2011	6:00 6:00	24.00	FB	19		P		WELL TEST: 294 BBLs OF OIL 440 BBLs OF WATER 445 GAS 1100 PSI WELL IS FLOWING TO FACILITIES ON A 18/64 CHOKE

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**

**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

<b>FROM: (Old Operator):</b> N3065- El Paso E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002  Phone: 1 (713) 997-5038	<b>TO: ( New Operator):</b> N3850- EP Energy E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002  Phone: 1 (713) 997-5038
--	---

CA No.		Unit:			N/A			
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- (R649-9-2)Waste Management Plan has been received on:          Yes
- Inspections of LA PA state/fee well sites complete on:          N/A
- Reports current for Production/Disposition & Sundries on:          6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on:          BLM          N/A          BIA          Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on:          N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on:          N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:          **Second Oper Chg**

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on:          6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on:          6/29/2012
- Bond information entered in RBDMS on:          6/29/2012
- Fee/State wells attached to bond in RBDMS on:          6/29/2012
- Injection Projects to new operator in RBDMS on:          6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on:          N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number:          103601420
- Indian well(s) covered by Bond Number:          103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number          400JU0705
- The **FORMER** operator has requested a release of liability from their bond on:          N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:          6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

Multiple Leases

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

See Attached

2. NAME OF OPERATOR:  
El Paso E&P Company, L.P. Attn: Maria Gomez

9. API NUMBER:

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

10. FIELD AND POOL, OR WILDCAT:  
See Attached

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: See Attached

COUNTY:

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

STATE:

UTAH

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

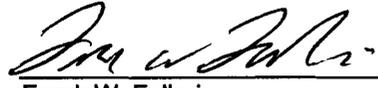
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 checked="" type="checkbox"/> OTHER: <u>Change of</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Name/Operator</u>

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

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

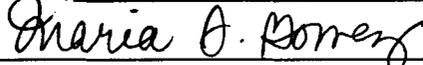
EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez

TITLE Principal Regulatory Analyst

SIGNATURE 

DATE 6/22/2012

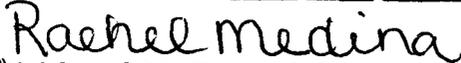
(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012



(See Instructions on Reverse Side)

(5/2009) Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
Rachel Medina

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERRHANSLY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

El Paso E2 Company, L.P. (N3065) to EP Energy E2 Company, L.P. (N3850) effective 6/1/2012

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

El Paso E3 Company, L.P. (N3065) to EP Energy E3 Company, L.P. (N3850) effective 6/1/2012

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P

El Paso E4 Company, L.P. (N3065) to EP Energy E4 Company, L.P. (N3850) effective 6/1/2012

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P

El Paso E5 Company, L.P. (N3065) to EP Energy E5 Company, L.P. (N3850) effective 6/1/2012

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHiodo 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

El Paso E6 Company, L.P. (N3065) to EP Energy E6 Company, L.P. (N3850) effective 6/1/2012

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P
OBERHANSLY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA

El Paso E7 Company, L.P. (N3065) to EP Energy E7 Company, L.P. (N3850) effective 6/1/2012

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSLY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

El Paso E8 Company, L.P. (N3065) to EP Energy E8 Company, L.P. (N3850) effective 6/1/2012

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4	
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.	<b>9. API NUMBER:</b> 43013507120000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 997-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/21/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Final Report		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 27, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/26/2012	

**1 General****1.1 Customer Information**

Company	CENTRAL DIVISION
Representative	
Address	

**1.2 Well Information**

Well	LAKE FORK RANCH 3-10B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Rig Name/No.	WWS/1	Event	COMPLETION LAND
Start Date	4/17/2012	End Date	
Spud Date/Time	2/28/2012	UWI	LAKE FORK RANCH 3-10B4
Active Datum	KB @6,311.0ft (above Mean Sea Level)		
Afe No./Description	152506/43966 / LAKE FORK RANCH 3-10B4		

**2 Summary****2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/19/2012	6:00 7:00	1.00	MIRU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; ROADING RIG
	7:00 9:30	2.50	MIRU	01		P		ROAD RIG FROM 1-27A1 TO LOCATION
	9:30 13:00	3.50	MIRU	01		P		MIRU R/D WELL HEAD TURN VALVES TOWARDS ENTRANCE N/U WELL HEAD N/U BOPE TEST WELL HEAD TEST BOPE TO 10K FOR 15 MIN ON CHART INSTALL WASHINGTON HEAD
	13:00 16:30	3.50	PRDHEQ	10		P		P/U 3 3/4" MILL 4-3 1/6" DRILL COLLARS IF X 2 3/8" XO TIH P/U 95 JTS OF 2 3/8" TBG 2 3/8" X 2 7/8" XO 1JT OF 2 7/8" TBG
	16:30 19:00	2.50	WBP	06		P		INSTALL 2 7/8" TBG WASHINGTON RUBER R/U PMP AND LINES CICR WELL CLEAN AT 3164' w HOT 2% KCL DRAIN PMP AND LINES SECURE WELL SDFN
4/20/2012	6:00 7:00	1.00	WBP	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PICKING UP TBG
	7:00 20:00	13.00	WBP	39		P		CONTINUE TIH P/U 2 7/8" TBG CIRC MUD AS NEED TO FLOW BACK TANK TIH w TTL OF 334 JTS OF 2 7/8" TBG TAG TOC AT 13683' CIRC WELL CLEAN L/D 1JT SECURE WELL SDFN
4/21/2012	6:00 7:00	1.00	WBP	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVLE
	7:00 13:00	6.00	WBP	10		P		TIH w 1 JT OF 2 7/8" TBG TAG FILL AT 13683' MD...R/U POWER SWIVLE ESTABLISH CIRC w 2% KCL WATER C/O FILL TAG FLOAT COLLAR AT 13740' MD C/O TO 13766' MD CIRC CLEAN R/D POWER SWIVLE
	13:00 18:00	5.00	PRDHEQ	39		P		TOH w 349 JTS OF 2 7/8" TBG EOT 3124' SECURE WELL SDFN
4/22/2012	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING DOWN
	7:00 9:00	2.00	PRDHEQ	39		P		FINISH TOH L/D 1 JTS OF 2 7/8" TBG 95 JTS OF 2 3/8" TBG L/D C/O BHA REMOVE WASHING TON HEAD INTALL NIGHT CAP
	9:00 10:00	1.00	RDMO	02		P		RDMO RACK OUT PMP AND LINES
	10:00 12:00	2.00	SITEPRE	18		P		MOVE TBG TO SIDE OF LOCATION w FORK LIFT
	12:00 17:30	5.50	WLWORK	22		P		R/U WIRELINE RUN CBL/CCL/GR LOG FROM 13790 PBDT WLM TO TOC AT 4500' WLM R/D WIRELINE INSTALL NIGHT CAP
	17:30 21:00	3.50	WBP	31		P		R/U TEST TRUCK TEST 7" CSG TO 9400 PSI AND CHART FOR 30 MIN MONITOR 9 5/8" CSG TEST GOOD R/D TEST TRUCK SECURE WELL SDFW

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
4/23/2012								NO ACTIVITY DOWN FOR WEEKEND
4/24/2012	7:00 15:00	8.00	SITEPRE	28		P		HSM WRITE AND REVIEW JSA TOPIC; MOVE IN FRAC EQUIPMENT...START MOVING IN FRAC EQUIPMENT
4/25/2012	6:00 7:00	1.00	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WORKING WITH WIRELINE...START HEATING FRAC TANKS
	7:00 11:00	4.00	STG01	21		P		MIRU WIRELINE TEST LUBRICATOR TIH w 2 3/4" HSC 15 GM CHARGE 3 JSPF & 120 PHASING PERFORATE STG 1 PERFORATIONS 13747'-13459' 23 NET FT 69 TTL SHOTS w 1000 PSI ON CSG NO CHANGE IN PRESSURE TOH w L/D GUN
	11:00 14:00	3.00	STG01	35		P		R/U STINGER MIRU FRAC EQUIPMENT
	14:00 16:00	2.00	STG01	35		P		STAGE 1; PRESSURE TEST LINES TO 9000 PSI. OPEN WELL. SICP 1264 PSI. BREAK DOWN STAGE 1 PERFORATIONS 13747' TO 13459' AT 6060 PSI, PUMPING 5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS PERFORM STEP DOWN TEST AT END. ISDP 5787 PSI. 5 MINUTE 5631 PSI. 10 MINUTE 5563 PSI. 15 MINUTE 5458 PSI. TREATED STAGE 1... AS PER PROCEDURE PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6272 PSI. 5 MIN 6155 PSI. 10 MINUTE 6003 PSI. 15 MINUTE 5837 PSI. AVG RATE 55.2 BPM. AVG PSI 7122 PSI. MAX RATE 65.9 BPM. MAX PSI 7923 PSI. TTL PROP 136057 TURN OVER TO WIRELINE
	16:00 18:00	2.00	STG01	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 13445' PRESSURE ON WELL 6300 PSI PERFORATE STAGE 2 PERFORATIONS 13427' TO 13119', 21 NET FEET 63 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 5400 PSI TOH L/D GUNS SECURE WELL SDFN HAUL IN AND HEAT WATER
4/26/2012	6:00 7:00	1.00	STG02	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 10:30	3.50	STG02	35		P		STAGE 2; PRESSURE TEST LINES TO 8750 PSI. OPEN WELL. SICP 4726 PSI. BREAK DOWN STAGE 2 PERFORATIONS 13427' TO 13119' AT 5817 PSI, PUMPING 5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS PERFORM STEP DOWN TEST AT END. ISDP 5511 PSI. 5 MINUTE 5447 PSI. 10 MINUTE 5409 PSI. 15 MINUTE 5391 PSI. TREATED STAGE 2... AS PER PROCEDURE PAD 100M SPACER STARTED 1# TERRAPROP PRO (200#) SHUT DOWN TO RE PARE LEAK IN LINE UNABLE TO PMP INTO BLED OFF PRESSURE START PMPING INTO CHASE PRESSURE WITH RATE GO TO LINER FLUSH RE-ESTABLISH RATE AS PER PETER SCHMELTS RE-START JOB PMP PAD NO 100 MESH SPACER 1# TETTA PROP 2# TERRA PROP PRO 3# TERRA PROP PRO STAY ON 3# FOR DESINGED PROP VOLUME STG FLUSH TO TOP PERF...ISDP 5962 PSI. 5 MIN 5991 PSI. 10 MINUTE 5915 PSI. 15 MINUTE 5882 PSI. AVG RATE 51.5 BPM. AVG PSI 7299 PSI. MAX RATE 69.3 BPM. MAX PSI 8487 PSI. TTL PROP 126750# TURN OVER TO WIRELINE
	10:30 12:00	1.50	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 13100' PRESSURE ON WELL 6300 PSI PERFORATE STAGE 3 PERFORATIONS 13079' TO 12814', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 5100 PSI TOH L/D GUNS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	12:00 14:00	2.00	STG03	35		P		STAGE 3; PRESSURE TEST LINES TO 9250 PSI. OPEN WELL SICIP 5390 PSI. BREAK DOWN STAGE 4 PERFORATIONS 13079' TO 12814' AT 8060 PSI, PUMPING 3.5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 4923 PSI. 5 MINUTE 4792 PSI. 10 MINUTE 4675 PSI. 15 MINUTE 4542 PSI TREATED STAGE 3... AS PER PROCEDURE PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6248 PSI. 5 MIN 5727 PSI. 10 MINUTE 5630 PSI. 15 MINUTE 5582 PSI. AVG RATE 59 BPM. AVG PSI 7352 PSI. MAX RATE 67.6 BPM. MAX PSI 8054 PSI. TOTAL TERRAPROP PRO PUMPED 128850# TURN OVER TO WIRELINE
	14:00 16:00	2.00	STG04	21		P		STAGE 4; SET COMPOSITE FRAC PLUG AT 12810' PRESSURE ON WELL 6300 PSI PERFORATE STAGE 4 PERFORATIONS 12797' TO 12480', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3600 PSI TOH L/D GUNS
	16:00 18:00	2.00	STG04	35		P		STAGE 4; PRESSURE TEST LINES TO 8500 PSI. OPEN WELL SICIP 3454 PSI. BREAK DOWN STAGE 4 PERFORATIONS 12797' TO 12480' AT 6347 PSI, PUMPING 6.5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 3824 PSI. 5 MINUTE PSI. 10 MINUTE 4675 PSI. 15 MINUTE 1862 PSI SECURE WELL HAUL IN WATER FOR FRAC SDFN
4/27/2012	6:00 7:00	1.00	STG04	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 9:00	2.00	STG04	35		P		LOAD HOLE w 184 BBLs TREATED STAGE 4... AS PER PETER SCHMELTZ (ADD TO JOB 1000# OF 100M ADD FLUID LOSS 300 TO 500# PER STG INCREASE SPACER 2000 GALS) PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6385 PSI. AVG RATE 64.5 BPM. AVG PSI 6830 PSI. MAX RATE 70.7 BPM. MAX PSI 7982 PSI. TOTAL TERRAPROP PRO PUMPED 137546# TURN OVER TO WIRELINE
	9:00 10:30	1.50	STG05	21		P		STAGE 5; SET COMPOSITE FRAC PLUG AT 12465' PRESSURE ON WELL 4200 PSI PERFORATE STAGE 5 PERFORATIONS 12441' TO 12117', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3400 PSI TOH L/D GUNS
	10:30 12:30	2.00	STG05	35		P		STAGE 5; PRESSURE TEST LINES TO 8500 PSI. OPEN WELL SICIP 2900 PSI. BREAK DOWN STAGE 5 PERFORATIONS 12441' TO 12117' AT 5149 PSI, PUMPING 11.8 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLs. ISDP 4761PSI. 5 MINUTE 3385 PSI. 10 MINUTE 2861 PSI. 15 MINUTE 2577 PSI TREATED STAGE 5... AS PER REVISED PROCEDURE BY PETER SCHMELTZ PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 6110 PSI AVG RATE 66 BPM. AVG PSI 6648 PSI. MAX RATE 70.2 BPM. MAX PSI 7825 PSI. TOTAL TERRAPROP PRO PUMPED 128155# TURN OVER TO WIRELINE
	12:30 14:00	1.50	STG06	21		P		STAGE 6; SET COMPOSITE FRAC PLUG AT 12095' PRESSURE ON WELL 5500 PSI PERFORATE STAGE 6 PERFORATIONS 12089' TO 11777', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3400 PSI TOH L/D GUNS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	14:00 15:30	1.50	STG06	35		P		STAGE 6; PRESSURE TEST LINES TO 8100 PSI. OPEN WELL SICP 2512 PSI. BREAK DOWN STAGE 6 PERFORATIONS 12089' TO 11777' AT 4265 PSI, PUMPING 4.3 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSHING TO BOTTOM PERF PLUS 10 BBLS. ISDP 3288 PSI. 5 MINUTE 2582 PSI. 10 MINUTE 2076 PSI. 15 MINUTE 1736 PSI TREATED STAGE 6... AS PER PROCEDURE PAD 100M ADD ADDITIONAL 2000 GALS OF SPACER AS PER PETER SCHEMLTZ 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 5353 PSI AVG RATE 69.4 BPM. AVG PSI 5427 PSI. MAX RATE 71.1 BPM. MAX PSI 6897 PSI. TOTAL TERRAPROP PRO PUMPED 136994# TURN OVER TO WIRELINE
	15:30 18:00	2.50	STG07	21		P		STAGE 7; SET COMPOSITE FRAC PLUG AT 11770' PRESSURE ON WELL 5353 PSI PERFORATE STAGE 7 PERFORATIONS 11763' TO 11519', 23 NET FEET 69 TTL SHOTS w/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS ENDING PRESSURE 3400 PSI TOH L/D GUNS SECURE WELL R/D WIRE LINE SDFN HAUL IN AND HEAT WATER FORM STG 7
4/28/2012	6:00 7:00	1.00	STG07	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 9:00	2.00	STG07	21		P		STAGE 7; PRESSURE TEST LINES TO 8100 PSI. OPEN WELL SICP 0 PSI. 15 BBLS TO FILL BREAK DOWN STAGE 7 PERFORATIONS 11763' TO 11519' AT 3930 PSI, PUMPING 6.5 BPM. TREAT W/ 5000 GAL 15% HCL ACID FLUSH TO BOTTOM PERF PLUS 10 BBLS. ISDP 4082 PSI. 5 MINUTE 3833 PSI. 10 MINUTE 3532 PSI. 15 MINUTE 2864 PSI TREATED STAGE 7... AS PER PROCEDURE PAD 100M SPACER 1# TERRAPROP PRO 2# TERRAPROP PRO 3# TERRAPROP PRO 3.5# TERRAPROP PRO 4# TERRAPROP PRO STG FLUSH TO TOP PERF...ISDP 4689 PSI. AVG RATE 69.9 BPM. AVG PSI 5163 PSI. MAX RATE 70.2 BPM. MAX PSI 6163 PSI. TOTAL TERRAPROP PRO PUMPED 127832#
	9:00 11:30	2.50	STG07	35		P		SECURE WELL R/D FRAC EQUIPMENT R/D STINGER INSTALL NIGHT CAP START STACKING FRAC TANKS
	11:30 17:30	6.00	CTU	16		P		WAIT ON COIL TBG
	17:30 20:30	3.00	CTU	16		P		MIRU COIL & EQUIPMENT
4/29/2012	6:00 7:00	1.00	CTU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; COIL TBG OPERATIONS
	7:00 8:00	1.00	CTU	10		P		FILL COIL TBG w 2% KCL FUNCTION TEST MOTOR TEST COIL AND BOPE
	8:00 13:30	5.50	CTU	10		P		OPEN WELL 0 PSI ESTABLISH CIRC w 200 BBL OF 2% KCL AT 2 BPM TIH w COIL DRILL PLUG AT 11773' C/O TO 11797' MOTOR KEEPS STALLING CYCLE OUT ON COIL TBG
	13:30 16:30	3.00	CTU	10		P		TOH w COIL TBG LOOK AT MILL AND MOTOR CUT 60' OF COIL TBG MAKE UP NEW MOTOR AND MILL
	16:30 3:30	11.00	CTU	10		P		TIH w COIL TBG TAG AT 11163' DRILL OUT PLUG AND C/O 4 1/2" LINER TO PBSD AT 13843' COIL TBG MD CIRC WELL CLEAN TOH R/D COIL TURN WELL OVER TO FLOW BACK
	3:30 6:00	2.50	CTU	10		P		FLOW BACK 63 BBLS WTR NO OIL NO GAS ON 12/64 CHOCK 1600 PSI
4/30/2012	6:00 6:00	24.00	FB	17		P		WELL TEST: 97 BBLS OF OIL 240 BBLS OF WATER 255 GAS 1750 PSI WELL IS FLOWING TO FACILITIES ON A 14/64 CHOKE
5/1/2012	6:00 6:00	24.00	FB	17		P		WELL TEST: 408 BBLS OF OIL 405 BBLS OF WATER 497 GAS 1300 PSI WELL IS FLOWING TO FACILITIES ON A 16/64 CHOKE
5/2/2012	6:00 6:00	24.00	FB	19		P		WELL TEST: 294 BBLS OF OIL 440 BBLS OF WATER 445 GAS 1100 PSI WELL IS FLOWING TO FACILITIES ON A 18/64 CHOKE

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
5/3/2012	6:00 6:00	24.00	FB	19		P		WELL TEST: 327 BBLS OF OIL 387 BBLS OF WATER 460 GAS 875 PSI WELL IS FLOWING TO FACILITIES ON A 18/64 CHOKE
5/4/2012	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WORKING WITH WIRE LINE
	7:00 10:30	3.50	PRDHEQ	20		P		CSIP 875 PSI R/U WIRE LINE TEST LUBRICATOR TIH w 4 1/2" WIRELINE SET PKR w 1.87 PROFILE NIPPLE & PMP OUT PLUG SET AT 10761' TOH w WIRE LINE AND R/D WHILE RUNNING PKR SET UP CAT WALK AND PIPE RACKS TALLY TBG
	10:30 15:00	4.50	FB	17		P		CSG PRESSURE 800 PSI BLED OF WELL WHILE RIGGING UP SERVICE RIG
	15:00 18:30	3.50	INSTUB	39		P		P/U ON/OFF TOOL TIH w 4-JTS OF 2 3/8" TBG XO 2 3/8" X 2 7/8" 157 JTS OF 2 7/8" TBG SECURE WELL SDFN EOT 4970'
5/5/2012	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TBG
	7:00 11:00	4.00	PRDHEQ	39		P		CONTINUE P/U 2 7/8" TBG TTL OF 335 JTS of 2 7/8" TBG TAG PKR AT 10771' TMD
	11:00 14:30	3.50	PRDHEQ	06		P		SPACE OUT PKR w 2, 4, 8, 10' x 2 7/8" TBG SUBS R/U PMP AND LINES CIRC PKR FLUID LAND TBG
	14:30 16:30	2.00	PRDHEQ	16		P		N/D BOPE N/U WELL HEAD TIE WELL HEAD INTO FACILITIES
	16:30 18:00	1.50	FB	17		P		TEST 7" ANNULAS TO 1000 PSI TEST GOOD PUMP OUT PLUG AT 1200 PSI TURN WELL OVER TO FLOW BACK WITH 300 PSI ON 16/64 CHOCK RACK OUT PMP AND LINES CLEAN LOCATION RDMO
	18:00 6:00	12.00	FB	17		P		WELL TEST: 214 BBLS OF OIL 264 BBLS OF WATER 334 GAS 1200 PSI WELL IS FLOWING TO FACILITIES ON A 18/64 CHOKE
5/11/2012	6:00 7:30	1.50	SL	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON SLICK LINE SAFETY. FILL OUT & REVIEW JSA
	7:30 10:00	2.50	SL	32		P		RU SLICKLINE UNIT. RIH W/ 1-15/16" OD GUAGE RING. UNABLE TO GET DEEPER THAN THAN 300'. POOH. RIH W/ 1-11/16" SINKER BARS. WORK THROUGH HEAVY PARRAFIN TO 3000'. CONTINUE IN HOLE. TAG FILL @ 13,677'. POOH PULLING SLOWLY FROM 3000' TO 222'. AT 222' TOOLS BECAME STUCK IN HEAVY PARRAFIN.
	10:00 20:00	10.00	SL	32		P		WORK SLICKLINE & TOOLS OUT OF HOLE.
	20:00 5:54	9.90	FB	19		P		FLOW WELL TO PRODUCTION FACILITY. FLOWED 192 MCF GAS, 143 BBLS OIL & 107 BLS WTR, FLOWING @ 850 PSI ON A 20/64" CHOKE
5/12/2012	6:00 7:30	1.50	SL	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON SLICKLINE SAFETY. FILL OUT & REVIEW JSA
	7:30 10:00	2.50	SL	18		P		RU SLICK LINE TRUCK. RIH W/ SINKER BARS TO 8000'. RIH W/ WAX KNIFE TO 200'. TOOLS WERE BLOWN UP HOLE. POOH W/ SLICK LINE. SHUT SWAB VALVE. UNABLE TO SHUT MASTER VALVE. RD SLICK LINE TRUCK. TOOLS WERE LOST IN WELL.
	10:00 13:00	3.00	SL	18		P		WAIT ON BOUBLE RAM SLICK LINE BOP
	13:00 15:30	2.50	SL	18		P		RU BOP. OPEN WELL. REMOVED SLICKLINE FROM WELL HEAD. DID NOT RECOVER WAX CUTTING TOOLS. RIH W/ SINKER BARS TO 10800'. POOH W/ SINKERBARS. RD SLICK LINE UNIT
	15:30 17:00	1.50	SL	18		P		PUMP 25 GALLONS PARRAFIN SOLVENT & 30 BBLS 130 DEGREE DIESEL DOWN TBG. SHUT WELL IN FOR NIGHT
5/13/2012	6:00 13:00	7.00	SL	18		P		WELL IS SHUT IN
	13:00 17:00	4.00	SL			P		
6/27/2012	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM WRITE & REVIEW JSA (NUBOP PINCH POINTS)
	7:30 9:00	1.50	PRDHEQ	16		P		0 PSI ON CSG 75 PSI ON TBG RU HOT OILER PUMP 80 BBLS DWN TBG ND TREE NUBOP RU WORK FLOOR & TBG TONGS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD From (ft)	Operation
	9:00 13:00	4.00	PRDHEQ	39		P		RELEASE PKR @ 10766' LD TBG HANGER 1 JT 2-7/8" TBG 2-7/8" PUP JTS POOH STANDING BACK IN DERRICK W/ 334 JTS 2-7/8" TBG LD X OVER ON-OFF SKIRT 4-1/2" ASIX PKR 4' X 2-3/8" TBG SUB & PUMP OUT PLUG SUB FLUSHING TBG AS NEEDED W/ HOT OILER
	13:00 17:00	4.00	PRDHEQ	39		P		TALLY PU & RIH W/ OVER SHOT DRISSED W/ 1-1/2" GRAPPLE, EXTENSION, BUMPER SUB & 2' X 2-3/8" TBG SUB TALLY PU & RIH W/ 101 JTS 2-3/8" WORK STRING (3218') 2-3/8" X 2-7/8" X OVER TALLY & TIH OUT OF DERRICK W/ 57 JTS 2-7/8" EUE L-80 TBG EOT @ 5021' RIG BLOWED TRANSMISSION LINE SECURE WELL SDFN
6/28/2012	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM WRITE & REVIEW JSA (TIH W/ TBG OVER HEAD LOADS)
	7:30 11:30	4.00	PRDHEQ	18		P		REPAIR RIG AT NO COST EP ENERGY
	11:30 15:30	4.00	PRDHEQ	39		P		250 PSI ON TBG 50 PSI ON CSG PUMP 50 BBLS DWN TBG BLOW DWN CSG TIH W/ 276 JTS 2-7/8" EUE L-80 TBG TO PBTD @ 13765' ON JT # 434 (PUSHING SOMETHING IN LINER FROM 11632'-13765') ROTATE TBG ON BTM ATTEMPTING TO WORK SINKER BARS IN TO FISHING TOOL
	15:30 19:00	3.50	PRDHEQ	39		P		POOH W/ 331 JTS 2-7/8" EUE L-80 TBG SECURE WELL SDFN
6/29/2012	6:00 7:30	1.50	PRDHEQ	28		P		CT HSM WRITE & REVIEW JSA (LD TBG & SLIPS, TRIPS)
	7:30 10:30	3.00	PRDHEQ	24		P		TBG 300 PSI CSG 50 PSI BLOW DWN CSG PUMP 50 BBLS DWN TBG POOH LD 2 JTS 2-7/8" TBG 2-7/8" X 2-3/8" X OVER CHANGE OVER TO 2-3/8" TBG EQUIP LD 101 JTS 2-3/8" TBG 2' X 2-3/8" TBG SUB BUMPER SUB & EXTENSION W/ OVER SHOT DID NOT HAVE FISH
	10:30 11:30	1.00	PRDHEQ	39		P		TIH W/ 80 JNTS 2-7/8" EUE L-80 TBG OPEN ENDED
	11:30 14:30	3.00	CHLOG	42		P		WAIT ON CORE LAB TRACE LOGGING TOOLS
	14:30 19:00	4.50	CHLOG	22		P		RU DELSCO SLICK LINE & TRACER LOGGING TOOLS RUN TRACER LOG POOH RD WL & LOGGING TOOLS SECURE WELL SDFN
6/30/2012	6:00 7:30	1.50	INARTLT	28		P		CREW TRAVEL HELD SAFETY MEETING ON WELL CONTROL FILLED OUT JSA.
	7:30 8:30	1.00	INARTLT	06		P		500 TSIP 500 CSIP BLED DOWN WELL PUMPED 60 BBLS DOWN CSG AN 20 DOWN TBG WELL DEAD.
	8:30 9:00	0.50	INARTLT	39		P		TOOH 80-JTS 2 7/8 L-80 EUE TBG,
	9:00 12:30	3.50	INARTLT	39		P		RIH W/ 5 3/4 SOLID NO-GO, 2-JTS 2 7/8 L-80 EUE TBG, 4 1/2 PBGA SHELL, 2' 7/8 N-80 TBG SUB, SN, 4-JTS 2 7/8 L-80 EUE TBG, 7" TAC AND 296-JTS 2 7/8 N-80 EUE TBG. SET TAC @ 9383', SN @9511', EOT 9612'.
	12:30 14:00	1.50	INARTLT	16		P		RD RIG FLOOR. ND BOP. NU WELLHEAD.
	14:00 15:00	1.00	INARTLT	06		P		FLUSHED TBG W/ 60 BBLS
	15:00 18:00	3.00	INARTLT	39		P		PU AND RIH W/ 2 1/2"X1 3/4"X36" PUMP, 10 WEIGHT BARS AND 158-3/4" W/G. PU POLISH ROD SECURED WELL SDFN.
7/1/2012	6:00 7:30	1.50	PRDHEQ	18		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON PICKING UP RODS. FILL OUT & REVIEW JSA
	7:30 8:00	0.50	PRDHEQ	18		P		SITP 2000 PSI. BLEED PRESSURE OFF TBG.
	8:00 12:30	4.50	PRDHEQ	18		P		PU 111 7/8" RODS & 101 1" RODS. SPACE OUT W/ 2' & 8' X 1" PONY RODS. FILL TBG W/ 4 BBLS 2% KCL WTR. STROKE TEST PUMP TO 1000 PSI. TESTED GOOD
	12:30 14:30	2.00	RDMO	02		P		RD RIG & EQUIPMENT. SDFN

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.	<b>9. API NUMBER:</b> 43013507120000
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 997-5038 Ext
<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U
<b>COUNTY:</b> DUCHESNE	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/12/2013	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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="repair rod"/>

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

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** February 11, 2013  
**By:** *Derek Duff*

<b>NAME (PLEASE PRINT)</b> Lisa Morales	<b>PHONE NUMBER</b> 713 997-3587	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/11/2013	

## Lake Fork 3-10B4 Rod Part Procedure Summary

- POOH w/rods, pump, and tubing
- Acidize existing perms w/ 5,000 gal 15% HCl.
- RIH w/ BHA, tubing and rod string
- Clean location and resume production

# CONFIDENTIAL

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

AMENDED REPORT  FORM 8  
(highlight changes)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

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

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

PHONE NUMBER:  
(713) 997-5038

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1754' FSL & 690' FEL  
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1754' FSL & 690' FEL  
AT TOTAL DEPTH: 1707 FSL & 793 FEL

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
Lake Fork Ranch 3-10B4

9. API NUMBER:  
4301350712

10 FIELD AND POOL, OR WILDCAT  
Altamont

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NESE 10 2S 4W U

12. COUNTY  
Duchesne

13. STATE  
UTAH

14. DATE SPUNDED:  
9/19/2011

15. DATE T.D. REACHED:  
4/7/2012

16. DATE COMPLETED:  
4/29/2012

17. ELEVATIONS (DF, RKB, RT, GL):  
6250'

18. TOTAL DEPTH: MD 13,800  
TVD 13,795

19. PLUG BACK T.D.: MD 13,765  
TVD 13,760

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*  
ABANDONED  READY TO PRODUCE

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
Sonic, Gamma Ray, Resistivity & Neutron Density

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/L)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13.375 J55	54.5	0	995		G 1200	1,380	0	
12.25	9.625 N80	40	0	5,932		A 1655	3,268	0	
8.75	7" P-110	29	0	10,873		A 455	1,011	5606	
6.125	4.5 P-110	13.5	10,701	13,800		50/50 P 265	371	10701	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	9,612							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	10,774	13,747	10,771	13,742	13,459 13,747	.34	69	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					13,119 13,429	.34	63	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					12,814 13,079	.34	69	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					12,480 12,797	.34	69	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
13459'-13747'	4200 gal acid, 3000# 100 mesh, 133148# 20/40 Terra Prop Pro
13119'-13429'	4998 gal acid, 3000# 100 mesh, 124179# 20/40 Terra Prop Pro
12814'-13079'	4998 gal acid, 3000# 100 mesh, 125850# 20/40 Terra Prop Pro

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

29. ENCLOSED ATTACHMENTS: Vendor submitted logs to UDOGM.

ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

GEOLOGIC REPORT  
 CORE ANALYSIS

DST REPORT  
 OTHER: Deviation Summary Report

DIRECTIONAL SURVEY

30. WELL STATUS:  
Prod

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 4/29/2012		TEST DATE: 4/28/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 327	GAS - MCF: 460	WATER - BBL: 387	PROD. METHOD: Tubing
CHOKE SIZE: 18/64"	TBG. PRESS. 875	CSG. PRESS.	API GRAVITY 42.00	BTU - GAS 1,450	GAS/OIL RATIO 1,407	24 HR PRODUCTION RATES: →	OIL - BBL: 327	GAS - MCF: 460	WATER - BBL: 387	INTERVAL STATUS: Prod

INTERVAL B (As shown in Item #26)

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

INTERVAL C (As shown in Item #26)

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

INTERVAL D (As shown in Item #26)

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

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

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Upper Green River	5,968
				Middle Green River	7,952
				Lower Green River	9,309
				Wasatch	10,774

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Maria S. Gomez TITLE Prin Regulatory Analyst  
 SIGNATURE *Maria S. Gomez* DATE 3/13/2013

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 March 13, 2013**

**Well Name: Lake Fork Ranch 3-10B4**

**Items #27 and #28 Continued**

**27. Perforation Record**

<b>Interval (Top/Bottom – MD)</b>	<b>Size</b>	<b>No. of Holes</b>	<b>Perf. Status</b>
12118'-12442'	.34	69	Open
11778'-12090'	.34	69	Open
11521'-11764'	.34	69	Open

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

<b>Depth Interval</b>	<b>Amount and Type of Material</b>
12480'-12797'	4998 gal acid, 3000# 100 mesh, 132307# 20/40 Terra Prop Pro
12118'-12442'	4998 gal acid, 3500# 100 mesh, 128155# 20/40 Terra Prop Pro
11778'-12090'	4998 gal acid, 3000# 100 mesh, 133994# 20/40 Terra Prop Pro
11521'-11764'	4998 gal acid, 6140# 100 mesh, 127832# 20/40 Terra Prop Pro

CENTRAL DIVISION

ALTAMONT FIELD

LAKE FORK RANCH 3-10B4

LAKE FORK RANCH 3-10B4

LAKE FORK RANCH 3-10B4

**Deviation 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 3-10B4	Wellbore No.	OH
Wellbore Legal Name	LAKE FORK RANCH 3-10B4	Common Wellbore Name	LAKE FORK RANCH 3-10B4
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Vertical Section Azimuth		North Reference	True
Origin N/S		Origin E/W	
Spud Date/Time	2/28/2012	UWI	LAKE FORK RANCH 3-10B4
Active Datum	KB @6,311.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	PROPETRO SERVICES INC
Started	9/19/2011	Ended	2/27/2012
Tool Name	INC	Engineer	El Paso

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.0	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
9/19/2011	Tie On	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NORMAL	1,010.0	0.75	0.00	1,009.9	11.50	0.00	11.50	0.06	-0.06	0.00	180.00
9/19/2011	NORMAL	600.0	1.00	0.00	600.0	5.24	0.00	5.24	0.17	0.17	0.00	0.00

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	El Paso
Started	2/28/2012	Ended	
Tool Name		Engineer	El Paso

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
1,010.0	0.75	0.00	1,009.9	11.50	0.00

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
2/28/2012	Tie On	1,010.0	0.75	0.00	1,009.9	11.50	0.00	11.50	0.00	0.00	0.00	0.00
2/28/2012	NORMAL	1,426.0	0.70		1,425.9	16.76	0.00	16.76	0.01	-0.01	0.00	180.00
2/29/2012	NORMAL	3,080.0	1.45		3,079.7	36.22	0.00	36.22	0.13	0.13	0.00	0.00
2/29/2012	NORMAL	2,092.0	0.20		2,091.9	21.99	0.00	21.99	0.08	-0.08	0.00	180.00
3/1/2012	NORMAL	4,780.0	1.20		4,779.4	69.38	0.00	69.38	0.00	0.00	0.00	0.00
3/1/2012	NORMAL	3,703.0	0.80		3,702.6	48.45	0.00	48.45	0.10	-0.10	0.00	180.00
3/1/2012	NORMAL	4,169.0	1.20		4,168.6	56.58	0.00	56.58	0.09	0.09	0.00	0.00
3/2/2012	NORMAL	5,432.0	2.00		5,431.2	88.14	0.00	88.14	0.21	0.21	0.00	0.00
3/2/2012	NORMAL	5,101.0	1.80		5,100.3	77.78	0.00	77.78	0.19	0.19	0.00	0.00
3/2/2012	NORMAL	5,287.0	1.70		5,286.2	83.46	0.00	83.46	0.05	-0.05	0.00	180.00

2.3 Survey Name: Survey #3

Survey Name	Survey #3	Company	VAUGHN ENERGY SERVICES LLC (GYRO TECHNOLOGIES INC)
Started	3/6/2012	Ended	
Tool Name		Engineer	El Paso

2.3.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.0	0.00	0.00

2.3.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/6/2012	Tie On	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3/6/2012	NORMAL	200.0	0.25	77.39	200.0	0.09	0.42	0.09	0.12	0.12	0.00	77.39
	NORMAL	400.0	0.30	105.05	400.0	0.05	1.36	0.05	0.07	0.03	13.83	81.75
	NORMAL	600.0	0.31	141.95	600.0	-0.51	2.20	-0.51	0.10	0.00	18.45	106.21
	NORMAL	800.0	0.39	189.18	800.0	-1.61	2.43	-1.61	0.14	0.04	23.62	99.63
	NORMAL	1,000.0	0.42	210.84	1,000.0	-2.90	1.94	-2.90	0.08	0.02	10.83	88.42
	NORMAL	1,200.0	0.44	224.08	1,200.0	-4.08	1.03	-4.08	0.05	0.01	6.62	86.95
	NORMAL	1,400.0	0.12	236.06	1,400.0	-4.75	0.33	-4.75	0.16	-0.16	5.99	175.66
	NORMAL	1,600.0	0.76	232.89	1,600.0	-5.67	-0.90	-5.67	0.32	0.32	-1.58	-3.75
	NORMAL	1,800.0	0.79	247.46	1,800.0	-7.00	-3.23	-7.00	0.10	0.01	7.28	88.68
	NORMAL	2,000.0	0.76	241.39	1,999.9	-8.16	-5.66	-8.16	0.04	-0.02	-3.03	-116.75
	NORMAL	2,200.0	0.83	249.51	2,199.9	-9.29	-8.18	-9.29	0.07	0.04	4.06	60.37
	NORMAL	2,400.0	1.20	241.50	2,399.9	-10.80	-11.38	-10.80	0.20	0.18	-4.01	-25.03
	NORMAL	2,600.0	1.07	250.57	2,599.9	-12.42	-14.98	-12.42	0.11	-0.06	4.54	129.47
	NORMAL	2,800.0	1.02	256.69	2,799.8	-13.46	-18.49	-13.46	0.06	-0.03	3.06	117.50
	NORMAL	3,000.0	0.96	256.72	2,999.8	-14.25	-21.85	-14.25	0.03	-0.03	0.01	179.63
	NORMAL	3,200.0	1.04	269.34	3,199.8	-14.66	-25.29	-14.66	0.12	0.04	6.31	77.04
	NORMAL	3,400.0	0.73	273.66	3,399.7	-14.60	-28.36	-14.60	0.16	-0.15	2.16	170.07
	NORMAL	3,600.0	0.99	263.79	3,599.7	-14.70	-31.33	-14.70	0.15	0.13	-4.94	-34.37
	NORMAL	3,800.0	0.71	259.05	3,799.7	-15.13	-34.26	-15.13	0.14	-0.14	-2.37	-168.10
	NORMAL	4,000.0	0.76	252.99	3,999.7	-15.75	-36.74	-15.75	0.04	0.02	-3.03	-63.48
	NORMAL	4,200.0	0.92	258.63	4,199.7	-16.45	-39.57	-16.45	0.09	0.08	2.82	29.62
	NORMAL	4,400.0	0.35	241.37	4,399.6	-17.06	-41.68	-17.06	0.30	-0.28	-8.63	-169.87
	NORMAL	4,600.0	0.47	235.78	4,599.6	-17.81	-42.90	-17.81	0.06	0.06	-2.79	-21.28
	NORMAL	4,800.0	0.57	213.54	4,799.6	-19.11	-44.13	-19.11	0.11	0.05	-11.12	-74.69
	NORMAL	5,000.0	1.05	216.09	4,999.6	-21.43	-45.76	-21.43	0.24	0.24	1.27	5.58
	NORMAL	5,200.0	1.07	205.96	5,199.6	-24.59	-47.66	-24.59	0.09	0.01	-5.07	-89.30
	NORMAL	5,400.0	1.40	208.53	5,399.5	-28.42	-49.65	-28.42	0.17	0.17	1.29	10.76

2.3.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/6/2012	NORMAL	5,600.0	1.45	203.23	5,599.5	-32.90	-51.82	-32.90	0.07	0.02	-2.65	-74.61
	NORMAL	5,800.0	1.88	205.99	5,799.4	-38.16	-54.25	-38.16	0.22	0.21	1.38	12.00
	NORMAL	5,875.0	1.87	199.23	5,874.3	-40.42	-55.19	-40.42	0.29	-0.01	-9.02	-95.19

2.4 Survey Name: Survey #4

Survey Name	Survey #4	Company	RYAN MARINE SERVICES
Started	3/10/2012	Ended	
Tool Name	MWD	Engineer	El Paso

2.4.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)
5,875.0	1.87	199.23	5,874.3	-40.42	-55.19

2.4.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/10/2012	Tie On	5,875.0	1.87	199.23	5,874.3	-40.42	-55.19	-40.42	0.00	0.00	0.00	0.00
3/10/2012	NORMAL	5,948.0	1.80	194.89	5,947.3	-42.65	-55.88	-42.65	0.21	-0.10	-5.95	-118.89
	NORMAL	6,041.0	1.41	156.96	6,040.3	-45.12	-55.80	-45.12	1.19	-0.42	-40.78	-128.43
	NORMAL	6,133.0	1.01	89.37	6,132.3	-46.15	-54.55	-46.15	1.51	-0.43	-73.47	-137.66
	NORMAL	6,227.0	0.79	117.19	6,226.2	-46.44	-53.15	-46.44	0.51	-0.23	29.60	130.18
3/11/2012	NORMAL	6,321.0	0.48	65.07	6,320.2	-46.57	-52.21	-46.57	0.66	-0.33	-55.45	-142.58
	NORMAL	6,413.0	0.48	138.77	6,412.2	-46.69	-51.61	-46.69	0.63	0.00	80.11	126.85
	NORMAL	6,506.0	1.01	162.37	6,505.2	-47.77	-51.10	-47.77	0.65	0.57	25.38	42.22
	NORMAL	6,599.0	1.10	162.37	6,598.2	-49.40	-50.59	-49.40	0.10	0.10	0.00	0.00
	NORMAL	6,692.0	1.41	186.98	6,691.2	-51.39	-50.45	-51.39	0.66	0.33	26.46	72.78
	NORMAL	6,785.0	0.22	21.57	6,784.2	-52.36	-50.53	-52.36	1.75	-1.28	-177.86	-178.04
	NORMAL	6,879.0	0.40	225.25	6,878.2	-52.42	-50.69	-52.42	0.65	0.19	-166.30	-164.68
	NORMAL	6,972.0	0.40	217.47	6,971.2	-52.91	-51.12	-52.91	0.06	0.00	-8.37	-93.89
	NORMAL	7,065.0	0.70	200.69	7,064.2	-53.70	-51.52	-53.70	0.36	0.32	-18.04	-36.79
	NORMAL	7,159.0	0.88	176.56	7,158.2	-54.95	-51.68	-54.95	0.40	0.19	-25.67	-74.01
	NORMAL	7,252.0	1.01	168.25	7,251.2	-56.47	-51.47	-56.47	0.20	0.14	-8.94	-50.72
	NORMAL	7,345.0	1.10	175.46	7,344.1	-58.16	-51.23	-58.16	0.17	0.10	7.75	59.50
	NORMAL	7,438.0	1.10	168.08	7,437.1	-59.92	-50.98	-59.92	0.15	0.00	-7.94	-93.69
	NORMAL	7,531.0	1.41	158.37	7,530.1	-61.86	-50.37	-61.86	0.40	0.33	-10.44	-39.37
3/12/2012	NORMAL	8,276.0	2.81	209.26	8,274.6	-86.32	-55.92	-86.32	0.30	0.19	6.83	80.54
3/13/2012	NORMAL	8,370.0	2.81	206.49	8,368.5	-90.39	-58.07	-90.39	0.14	0.00	-2.95	-91.38
	NORMAL	8,463.0	2.11	205.05	8,461.4	-93.98	-59.81	-93.98	0.76	-0.75	-1.55	-175.67
	NORMAL	8,557.0	2.20	229.38	8,555.4	-96.72	-61.92	-96.72	0.97	0.10	25.88	96.62
	NORMAL	8,650.0	2.90	231.58	8,648.3	-99.35	-65.12	-99.35	0.76	0.75	2.37	9.06
	NORMAL	8,743.0	2.59	246.57	8,741.2	-101.64	-68.89	-101.64	0.84	-0.33	16.12	120.72
3/14/2012	NORMAL	8,836.0	2.20	256.85	8,834.1	-102.89	-72.55	-102.89	0.62	-0.42	11.05	137.29
	NORMAL	8,929.0	1.80	239.58	8,927.0	-104.03	-75.55	-104.03	0.77	-0.43	-18.57	-132.00
	NORMAL	9,023.0	2.02	242.26	9,021.0	-105.55	-78.29	-105.55	0.25	0.23	2.85	23.44
3/16/2012	NORMAL	9,116.0	1.71	231.05	9,113.9	-107.19	-80.82	-107.19	0.51	-0.33	-12.05	-135.87
	NORMAL	9,209.0	1.71	214.27	9,206.9	-109.20	-82.68	-109.20	0.54	0.00	-18.04	-98.39
	NORMAL	9,302.0	2.02	223.36	9,299.8	-111.54	-84.59	-111.54	0.46	0.33	9.77	48.26
	NORMAL	9,395.0	2.02	220.77	9,392.8	-113.98	-86.78	-113.98	0.10	0.00	-2.78	-91.29
	NORMAL	9,489.0	2.29	236.99	9,486.7	-116.25	-89.44	-116.25	0.71	0.29	17.26	74.37
	NORMAL	9,582.0	2.02	268.36	9,579.7	-117.31	-92.64	-117.31	1.28	-0.29	33.73	118.25
3/17/2012	NORMAL	9,675.0	2.02	268.36	9,672.6	-117.41	-95.91	-117.41	0.00	0.00	0.00	0.00
	NORMAL	9,768.0	1.10	229.38	9,765.6	-118.03	-98.23	-118.03	1.46	-0.99	-41.91	-149.29

2.4.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/17/2012	NORMAL	9,861.0	2.11	246.96	9,858.5	-119.29	-100.48	-119.29	1.20	1.09	18.90	34.96
	NORMAL	9,954.0	2.02	230.17	9,951.5	-121.01	-103.32	-121.01	0.66	-0.10	-18.05	-106.79
	NORMAL	10,047.0	1.19	208.16	10,044.4	-122.91	-105.03	-122.91	1.10	-0.89	-23.67	-154.06
	NORMAL	10,140.0	1.58	119.68	10,137.4	-124.39	-104.37	-124.39	2.10	0.42	-95.14	-126.00
	NORMAL	10,233.0	1.71	180.95	10,230.4	-126.42	-103.28	-126.42	1.81	0.14	65.88	116.81
	NORMAL	10,327.0	2.59	179.37	10,324.3	-129.94	-103.28	-129.94	0.94	0.94	-1.68	-4.64
	NORMAL	10,421.0	2.99	173.79	10,418.2	-134.50	-102.99	-134.50	0.51	0.43	-5.94	-36.99
	NORMAL	10,514.0	2.50	173.79	10,511.1	-138.93	-102.51	-138.93	0.53	-0.53	0.00	180.00
	NORMAL	10,607.0	1.80	180.47	10,604.0	-142.41	-102.30	-142.41	0.80	-0.75	7.18	163.62
	NORMAL	10,700.0	1.41	169.75	10,697.0	-144.99	-102.11	-144.99	0.53	-0.42	-11.53	-147.68
3/18/2012	NORMAL	10,794.0	2.02	184.08	10,791.0	-147.78	-102.02	-147.78	0.79	0.65	15.24	42.41
	NORMAL	10,830.0	2.02	191.06	10,826.9	-149.04	-102.19	-149.04	0.68	0.00	19.39	93.49

2.5 Survey Name: Survey #5

Survey Name	Survey #5	Company	El Paso
Started	3/23/2012	Ended	
Tool Name	PDRIFT	Engineer	El Paso

2.5.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
10,830.0	2.02	191.06	10,826.9	-149.04	-102.19

2.5.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/23/2012	Tie On	10,830.0	2.02	191.06	10,826.9	-149.04	-102.19	-149.04	0.00	0.00	0.00	0.00
3/23/2012	NORMAL	11,035.0	1.20		11,031.9	-150.44	-102.88	-150.44	1.56	-0.40	82.41	175.88
3/26/2012	NORMAL	11,290.0	1.50		11,286.8	-144.43	-102.88	-144.43	0.12	0.12	0.00	0.00
	NORMAL	11,488.0	1.70		11,484.8	-138.90	-102.88	-138.90	0.10	0.10	0.00	0.00
3/27/2012	NORMAL	11,619.0	3.60		11,615.6	-132.85	-102.88	-132.85	1.45	1.45	0.00	0.00
	NORMAL	11,778.0	3.70		11,774.3	-122.72	-102.88	-122.72	0.06	0.06	0.00	0.00
3/28/2012	NORMAL	11,870.0	3.00		11,866.1	-117.35	-102.88	-117.35	0.76	-0.76	0.00	180.00
4/7/2012	NORMAL	13,780.0	1.23		13,774.8	-46.86	-102.88	-46.86	0.09	-0.09	0.00	180.00

### 3 Charts

#### 3.1 Vertical Section View

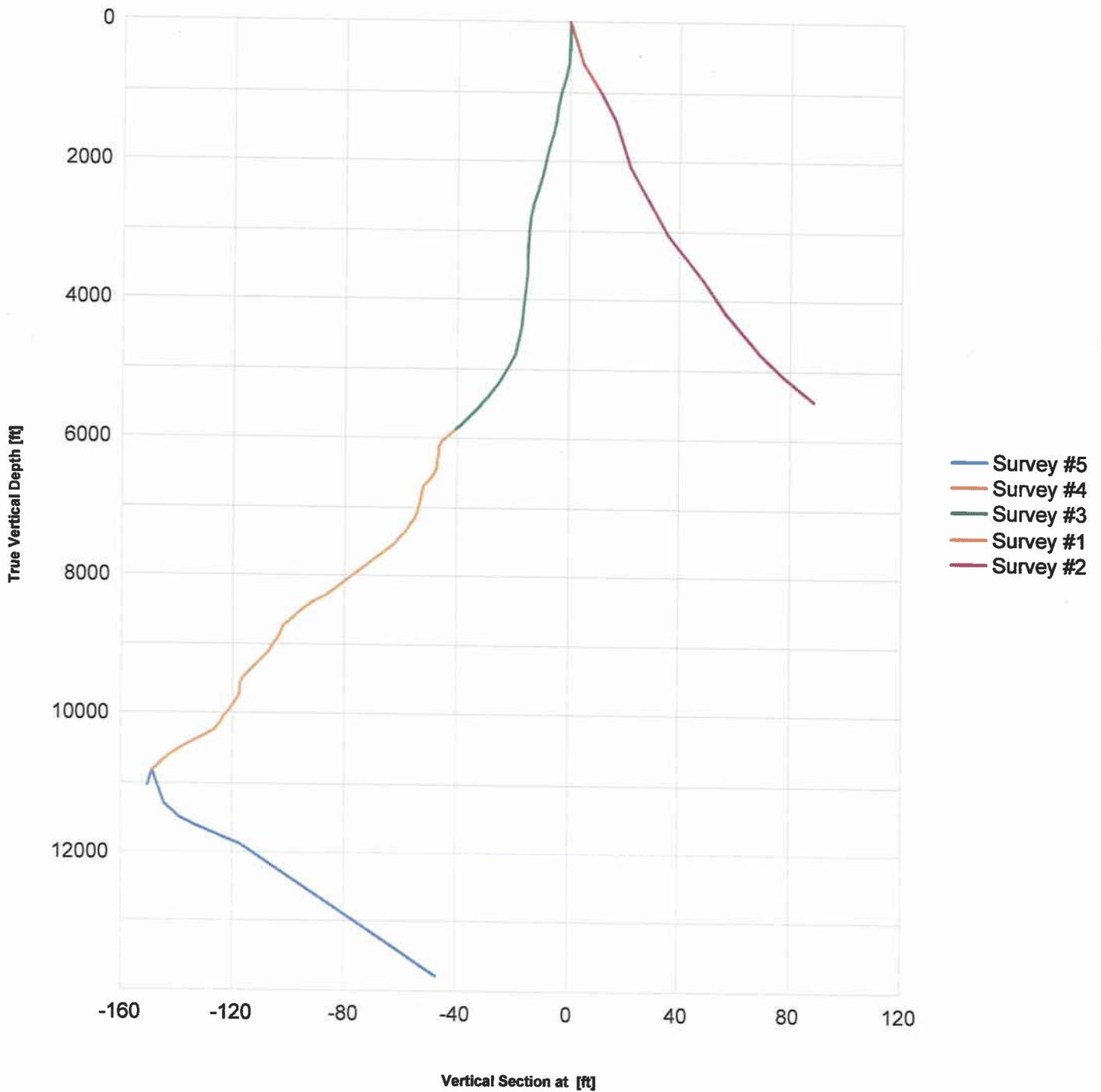




Table of Contents

1	General.....	1
1.1	Customer Information.....	1
1.2	Well Information.....	1
2	Survey Name.....	1
2.1	Survey Name: Survey #1.....	1
2.1.1	Tie On Point.....	1
2.1.2	Survey Stations.....	1
2.2	Survey Name: Survey #2.....	1
2.2.1	Tie On Point.....	1
2.2.2	Survey Stations.....	2
2.3	Survey Name: Survey #3.....	2
2.3.1	Tie On Point.....	2
2.3.2	Survey Stations.....	2
2.4	Survey Name: Survey #4.....	3
2.4.1	Tie On Point.....	3
2.4.2	Survey Stations.....	3
2.5	Survey Name: Survey #5.....	4
2.5.1	Tie On Point.....	4
2.5.2	Survey Stations.....	4
3	Charts.....	5
3.1	Vertical Section View.....	5
3.2	Plan View.....	6

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

FORM 6

ENTITY ACTION FORM

Operator: EP Energy E&P Company, L.P. Operator Account Number: N 3850  
Address: 1001 Louisiana, Room 2730D  
city Houston  
state TX zip 77002 Phone Number: (713) 997-5038

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350712	Lake Fork Ranch 3-10B4		NESE	10	2S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	18221	18221	9/19/2011			4/28/12	
Comments: Wasatch GR-WS							

~~CONFIDENTIAL~~

3/28/13

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED  
MAR 13 2013

Maria S. Gomez

Name (Please Print)

*Maria S. Gomez*

Signature

Principle Regulatory Analyst

3/13/2013

Title

Date

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.		<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana , Houston, TX, 77002		<b>9. API NUMBER:</b> 43013507120000
<b>PHONE NUMBER:</b> 713 997-5038 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/28/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Add perforations to the Wasatch. Please see attached for details.

**Approved by the  
Utah Division of  
Oil, Gas and Mining****Date:** May 01, 2014**By:** 

<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/23/2014	

## **Lakefork 3-10B4 Summary Procedure**

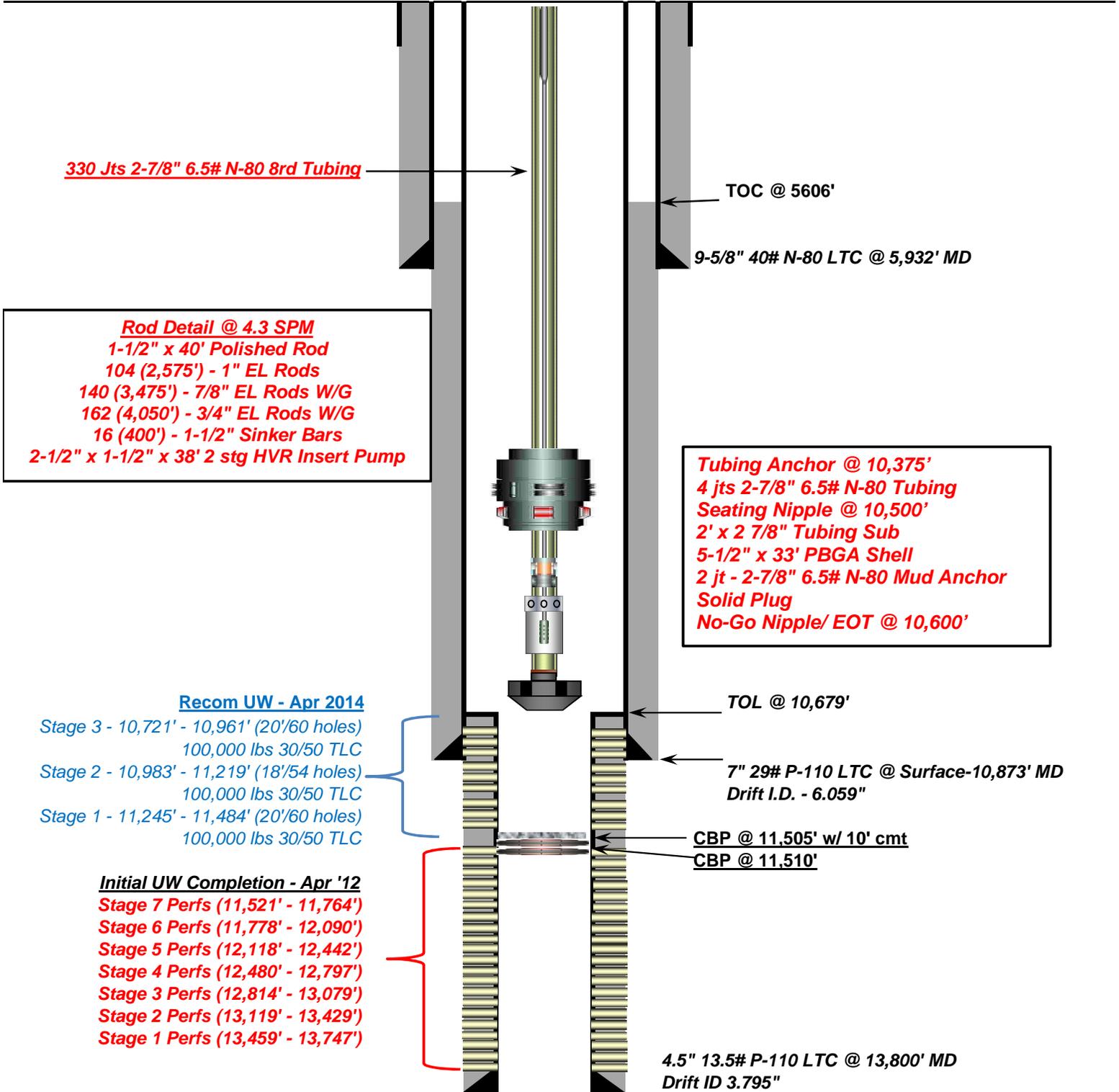
- POOH w/Rods & pump, Release anchor, POOH w/tubing string
- Circulate & Clean wellbore
- RIH with 4 1/2" CBP, set plug at ~11,510', set 2<sup>nd</sup> plug at ~ 11,505' dump bail 10' cement on top
- Perforate new UW interval from ~11,245' – 11,484'
- Prop frac perforations with 100,000 lbs of 30/50 resin coated sand
- RIH with 4 1/2" CBP, set plug at ~11,230'
- Perforate new UW interval from ~10,983' – 11,219'
- Prop frac perforations with 100,000 lbs of 30/50 resin coated sand
- RIH with 4 1/2" CBP, set plug at ~11,101'
- Perforate new UW interval from ~10,721' – 10,961'
- Prop frac perforations with 100,000 lbs of 30/50 resin coated sand
- Clean out well drilling up 4 ½ " CBP @ ~11,101' and 11,230', leaving CBP w/ 10' cmt @~11,510'
- RIH w/tubing, pump & rods
- Clean location and resume production



**Recom Pumping Schematic as of April 15, 2014**

Company Name: EP Energy  
 Well Name: Lakefork Ranch 3-10B4  
 Field, County, State: Altamont - Bluebell, Duchesne, Utah  
 Surface Location: Lat: 40° 19' 10.36752" N Long: 110° 18' 55.84456" W  
 Producing Zone(s): Wasatch

Last Updated: 4/15/2014  
 By: Peter Schmeltz  
 TD: 13,800'  
 BHL: \_\_\_\_\_  
 Elevation: \_\_\_\_\_



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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 3-10B4
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		9. API NUMBER: 43013507120000
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1754 FSL 0690 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>9/10/2014</b>	<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="Drill out CBP's"/>

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

Drill out plugs at 11505' & 11510'.

**Approved by the**  
**September 04, 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 9/4/2014	

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

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

12. COUNTY

13. STATE

UTAH

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR: CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
  
AT TOTAL DEPTH:

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

18. TOTAL DEPTH: MD \_\_\_\_\_ TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD \_\_\_\_\_ TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* \_\_\_\_\_ 21. DEPTH BRIDGE PLUG SET: MD \_\_\_\_\_ TVD \_\_\_\_\_

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

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

**25. TUBING RECORD**

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

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

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

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

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

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

30. WELL STATUS:

**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 Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-10B4	
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.	<b>9. API NUMBER:</b> 43013507120000	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 997-5038 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 0690 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/26/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
OTHER: <input style="width: 100px;" type="text" value="DO plugs"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Drilled out plugs @ 11505' & 11510'. Cleaned out sand and scale. Open perfs: 11521'-13747' & 10721'-11484'. See attached for details.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 03, 2015</b>		
<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/2/2015	

## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-10B4  
LAKE FORK RANCH 3-10B4  
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.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30 15:30	8.00	WOR	40		P		CIH TAG CBP W/ JT 303 @ 10,667', BREAK CIRCULATION DRILL UP CBP, CIH TAG SAND @ 10,937' WASH TO CBP @ 10,964', DRILL UP CBP, CIH TAG SAND @ 11,189' WASH TO CBP @ 11,227', CIH TAG SAND @ 11,483' CLEAN OUT TO TOP OF CEMENT @ 11,490' W/ JT # 328'. CIRCULATE CLEAN.
	15:30 17:30	2.00	WOR	39		P		RD SWIVEL, POOH W/ 101 JTS EOT @ 8210' SWI SHUT DOWN FOR DAY.
6/4/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( POOH W/ TBG )
	7:30 9:30	2.00	WOR	39		P		COOH W/ 227 JTS 2 7/8", 30 JTS 2 3/8", BIT SUB, BIT
	9:30 13:30	4.00	WOR	39		P		PUMU & RIH W/ 5 3/4" NO GO, SOLID PLUG, 2 JTS, 5 1/2" PBGA, 2' PUP, +45 PSN, 4' PUP JT, 4 JTS, 7" TAC, 321 JTS 2 7/8" 8RD EUE TBG ( TOP 190 JTS NEW )
	13:30 15:30	2.00	WOR	16		P		SET TAC @ 10,365', PSN @ 10,497', EOT @ 10,597'. TEMPORARY LAND TBG, RD WORK FLOOR, ND BOPE, RE LAND TBG W/ 25K TENSION, NU B FLANGE, INSTALL 60' 3/8" CAP TUBE.
	15:30 16:00	0.50	WOR	06		P		FLUSH TBG W/ 70 BBLS AND CORROSION INHIBITOR
	16:00 18:00	2.00	WOR	39		P		PU STROKE TEST MU & RIH W/ 2 1/2" X 1 1/2" X 38' WALS RHBC, 16 1 1/2" WT BARS ( TOP 6 NEW ), 162 3/4" W/G ( TOP 4 NEW ) 40 7/8" W/G. PU P ROD. SWI, SHUT DOWN FOR DAY.
6/5/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( RIH W/ RODS )
	7:30 10:00	2.50	WOR	39		P		CIH W/ 139 7/8" TOP 28 NEW, 98 1" TOP 1 NEW, SPACE OUT W/ 2-8', 1-4', 1-2' & 1-1/2" X 40' P-ROD.
	10:00 12:00	2.00	RDMO	02		P		F&T W/ 20 BBLS L/S TO 1000 PSIG, RD SLIDE UNIT, TOT LEASE OPERATOR.
6/6/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON ROADING RIG & EQUIP TO LOC, WRITE & REVIEW JSA'S
	7:30 9:30	2.00	MIRU	01		P		ROAD RIG FROM ROOSEVELT TO LOC, SLIDE P.U. BACK SPOT IN & RU RIG
	9:30 12:30	3.00	WOR	18		P		LONG STROKE PUMP NO PUMP ACTION, WORK PUMP OFF SEAT, LAY DWN POLISH ROD & ROD SUBS
	12:30 13:30	1.00	WOR	06		P		FLUSH RODS W/ 60 BBLS 2% KCL
	13:30 16:30	3.00	WOR	39		P		TOOH W/ 98-1", 139-7/8", 162-3/4" RODS LAY DWN 16, 1-1/2" WT BARS & 2-1/2" X 1-1/2" X 38' PUMP, SECURE WELL SDFN
6/7/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON RIH W/ RODS WRITE & REVIEW JSA'S, WHILE FLUSHING TBG W/ 60 BBLS 2% KCL
	7:30 11:00	3.50	WOR	39		P		PU PRIME & RIH W/ 2-1/2" X 1-1/2" X 38' RHBC INSERT PUMP, 16, 1-1/2" WT BARS, 162-3/4", 139-7/8" & 99-1" RODS, SPACE OUT W/ 2' X 1" PONY ROD & 1-1/2" X 40' POLISH ROD
	11:00 12:30	1.50	RDMO	02		P		FILL TBG W/ 10 BBLS, STROKE TEST TO 1000 PSI GOOD TEST, RIG DWN RIG SLIDE IN PUMPING UNIT, HANG OFF RODS, TURN WELL OVER TO OPERATOR
6/16/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON ROADING RIG. FILL OUT & REVIEW JSA.
	7:30 9:00	1.50	MIRU	01		P		MOVE RIG TO LOCATION . SLIDEPUMPING UNIT. RU RIG
	9:00 10:30	1.50	WOR	18		P		ATTEMPT TO WORK PUMP OFF SEAT WHILE PUMPING 250 BBLS TREATED 2% KCL WTR DOWN CSG.
	10:30 13:00	2.50	WOR	18		P		BACK OFF ROD STRING. ROD WEIGHT 12000#
	13:00 14:30	1.50	WOR	39		P		POOH W/ 99 1" RODS, 139 7/8" RODS & 12 3/4" RODS.
	14:30 15:15	0.75	WOR	16		P		ND WELL HEAD. NU BOP.
	15:30 16:30	1.00	WOR	18		P		ATTEMPT TO RELEASE TAC.
	16:30 17:30	1.00	WOR	25		P		RU WIRELINE UNIT. RIH & PERFORATE TBG @ 6297' TO 6298'. RD WIRELINE UNIT
	17:30 18:00	0.50	WOR	06		P		FLUSH TBG W/ 40 BBLS TREATED 2% KCL WTR
18:00 19:00	1.00	WOR	18		P		ATTEMPT TO RELEASE TAC. SDFN	

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
6/17/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON POWER SWIVEL SAFETY. FILL OUT & REVIEW JSA
	7:30 17:30	10.00	WOR	39		P		RU POWER SWIVEL. WORK TAC FREE. SWIVEL OUT 5 JTS 2-7/8"EUE TBG. TBG STARTED MOVING UP HOLE. POOH W/ 192 JTS 2-7/8"EUE TBG, USING RIG TONG OR POWER SWIVEL AS NEEDED TO FREE TAC. PU ON ROD STRING. LD 31 3/4" RODS. POOH W/ 28 JTS 2-7/8"EUE TBG, USING RIG TONGS TO WORK TAC FREE AS NEEDED. TIGHTEN 3/4" RODS. BACK OFF ROD STRING & TOOH W/ 117 3/4" RODS & 13 WEIGHT RODS.
	17:30 18:00	0.50	WOR	18		P		CHANGE EQUIPMENT POWER TO PULL TBG. SDFN W/ TIW VALVE IN 2-7/8" TBG W/ NIGHT CAP INSTALLED, CSG VALVE OPENED TO TREATER & SECOND CSG VALVE CLOSED & CAPPED
6/18/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON TRIPPING TBG. FILL OUT & REVIEW JSA
	7:30 9:30	2.00	WOR	39		P		STRIP OUT OF HOLE W/ 101 JTS 2-7/8"EUE TBG, TAC, 4 JTS 2-7/8"EUE TBG, 4' X 2-7/8"EUE PUP JT, SEAT NIPPLE, 2' X 2-7/8"EUE PUP JT, 5-1/2" PBGA, 2 JTS 2-7/8"EUE TBG & 5-3/4" SOLID NO/GO. THREADS ON TAC WERE FOULED, SO TAC WAS UNABLE TO RELEASE COMPLETELY.
	9:30 11:00	1.50	WOR	24		P		MEASURE & RIH W/ 3-3/4"OD BIT, BIT SUB & 100 JTS 2-3/8" EUE TBG
	11:00 15:30	4.50	WOR	39		P		CONTINUE TIH W/ 256 JTS 2-7/8"EUE TBG. TAG FILL @ 11480'SLM. TOOH W/ 30 JTS 2-7/8"EUE TBG. SDFN W/ PIPE RAMS SHUT & LOCKED, CSG VALE OPEN TO TREATOR, OFF SIDE CSG VALVE CLOSED & CAPPED & TIW VALVE INSTALLED IN TBG CLOSED & CAPPED
6/19/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON USING RIG PUMP. FILL OUT & REVIEW JSA
	7:30 8:30	1.00	WOR	39		P		TIH W/ 30 JTS 2-7/8"EUE TBG. RU POWER SWIVEL
	8:30 10:30	2.00	WOR	06		P		PUMP 458 BBLs TREATED 2% KCL WTR TO BREAK CIRCULATION.
	10:30 18:30	8.00	WOR	10		P		CLEAN OUT FILL FROM 11480' TO CMT @ 11495'. DRILL CMT & RBP'S @ 11505' & 11510'. CONTINUE IN HOLE DRILLING SCALE & CBP REMAINS TO 12037'. CIRCULATE BOTTOMS UP. TTL FLUID LOSS FOR DAY 1700 BBLs
	18:30 20:00	1.50	WOR	39		P		RD POWER SWIVEL. TOOH ABOVE LINER TOP. SDFN
6/20/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION. HSM, WRITE AND REVIEW JSA.
	7:00 8:00	1.00	WOR	39		P		TIH W TUBING. TAG AT 12,037'.
	8:00 9:00	1.00	WOR	06		P		RU POWER SWIVEL. PUMP 100 BBLs 2% TREATED KCL ESTABLISH CIRCULATION.
	9:00 17:00	8.00	WOR	10		P		CLEAN OUT FILL FROM 12,037' TO 12,551'.
	17:00 18:00	1.00	WOR	06		P		CIRCULATE HOLE CLEAN WITH 400 BBLs 2% TREATED KCL.
	18:00 19:00	1.00	WOR	39		P		RD POWER SWIVEL. TOH ABOVE LINER. SDFW.
6/21/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
6/22/2015	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
6/23/2015	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON RIGGING UP POWER SWIVEL, WRITE & REVIEW JSA'S
	7:30 8:30	1.00	WOR	39		P		0 PSI ON WELL, TIH W/ 64 JTS 2-7/8" TBG TAG FILL @ 12551', RU POWER SWIVEL
	8:30 10:00	1.50	WOR	06		P		BREAK REVERSE CIRCULATION W/ 240 BBLs TREATED 2% KCL
	10:00 15:30	5.50	WOR	10		P		CONT CLEANING OUT FILL FROM 12551' TO 12725', QUIT MAKING HOLE, BIT GOT TORQUEY & LOSING CIRC, PU ON TBG & CIRC TBG CLEAN

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	15:30 18:30	3.00	WOR	39		P		LD 1 JT 2-7/8" TBG W/ POWER SWIVEL, RD POWER SWIVEL & TOOH W/ 294 JTS 2-7/8" EUE L-80 TBG, CLOSE & LOCK PIPE RAMS, CLOSE CSG VALVE & TIW VALVE & INSTALL & CLOSE NIGHT CAPS SDFN
6/24/2015	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON TOOH W/ TBG WRITE & REVIEW JSA'S
	7:30 8:30	1.00	WOR	39		P		0 PSI ON WELL, CONT TOOH W/ 2 JTS 2-7/8" TBG, 2-7/8" X 2-3/8" EUE X OVER, 50 JTS 2-3/8" WORK STRING, BIT SUB & 3-3/4" ROCK BIT W/ NO CONES
	8:30 11:30	3.00	WOR	39		P		MU & TIH W/ 3-3/4" JUNK MILL, BIT SUB, 100 JTS 2-3/8" WORK STRING, 2-7/8" X 2-3/8" EUE X OVER & 296 JTS 2-7/8" EUE L-80 TBG, RU POWER SWIVEL, PU 1 JT 2-7/8" TBG & MU W/ SWIVEL & TAG FILL @ 12725'
	11:30 12:30	1.00	WOR	06		P		BREAK CIRC W/ 255 BBLS 2% TREATED KCL
	12:30 18:00	5.50	WOR	10		P		CONT CLEANING OUT FILL FROM 12725' TO 12986', WHEN RIG'S PUMP BROKE DWN, WAS ABLE TO KEEP CIRC TO CIRC TBG CLEAN ( MECHANIC WILL HAVE PUMP FIXED TONIGHT)
	18:00 19:00	1.00	WOR	39		P		RIG DWN POWER SWIVEL TOOH W/ 74 JTS 2-7/8" EUE L-80 TBG, EOT @ 10576', PIPE RAMS CLOSED & LOCKED, TIW VALVE CLOSED & CAPPED, CSG VALVES CLOSED & CAPPED, SDFN
6/25/2015	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON CLEAN WORK AREA, WRITE & REVIEW JSA'S
	7:30 8:30	1.00	WOR	39		P		0 PSI ON WELL, RIH W/ 82 JTS 2-7/8" EUE L-80 TBG & TAG FILL @ 13261'
	8:30 10:00	1.50	WOR	06		P		RU POWER SWIVEL & BREAK REVERSE CIRC W/ 210 BBLS TREATED 2% KCL
	10:00 16:00	6.00	WOR	10		P		CLEAN OUT SAND & SCALE FROM 13261' TO 13724', MILL STARTED PLUGGING UP W/ ANY WT PUT ON IT, CIRC TBG CLEAN & PUMP DWN TBG ATTEMPTING TO CLEAN OUT MILL NO LUCK ( BTM PERF @ 13747', 23' PERFS COVERED)
	16:00 17:00	1.00	WOR	24		P		RIG DWN & RACK OUT POWER SWIVEL, POOH & LD 49 JTS 2-7/8" EUE L-80 TBG,
	17:00 19:00	2.00	WOR	39		P		TOOH & STAND BACK IN DERRICK W/ 120 JTS 2-7/8" EUE L-80 TBG, SHUT & LOCK PIPE RAMS, INSTALL CLOSE & CAP TIW & CSG VALVES, SDFN, EOT @ 8360'
6/26/2015	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON LAYING DWN TBG, WRITE & REVIEW JSA'S
	7:30 10:30	3.00	WOR	39		P		0 PSI ON WELL, CONT TOOH W/ 160 JTS 2-7/8" TBG & LD 2-7/8" X 2-3/8" X OVER, 100 JTS 2-3/8" TBG, BIT SUB & 3-3/4" MILL
	10:30 13:30	3.00	WOR	39		P		MU & TIH W/ 5-3/4" NO-GO, 2-7/8" SOLID PLUG, 2 JTS 2-7/8" EUE L-80 TBG, 5-1/2" PBGA, 2' X 2-7/8" EUE N-80 TBG SUB, 2-7/8" +45 P.S.N., 4' X 2-7/8" EUE N-80 TBG SUB, 4 JTS 2-7/8" EUE L-80 TBG, 7" WFTRD TAC & 175 JTS 2-7/8" EUE L-80 TBG MU 6' TBG SUB & TBG HANGER
	13:30 15:00	1.50	WOR	16		P		SET 7" TAC @ 8865', P.S.N. @ 9001' & EOT @ 9103', TEMP LAND TBG ON HANGER, RD WORK FLOOR NDBOP, POOH W/ TBG HANGER & 6' TBG SUB, LAND TBG ON 10K B FLANGE IN 22K TENSION, NUWH & HOOK UP FLOW LINES
	15:00 16:00	1.00	WOR	06		P		FLUSH TBG W/ 60 BBLS 2% KCL
	16:00 18:00	2.00	INARTLT	39		P		PU PRIME & RIH W/ 2-1/2" X 1-3/4" X 38' 60 RING WALS PUMP, 19, 1-1/2" WT BARS, 102-3/4" RODS CHECKING ALL BREAKS SECURE WELL SDFN
6/27/2015	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION. HSM. WRITE AND REVIEW JSA. TOP- TRIPPING, EYES ON PATH.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:00 10:00	3.00	WOR	39		P		CONTINUE TIH W RODS. RUN 132 7/8", 103 1" CHECKING EVERY BREAK. SPACE OUT. SEAT PUMP. PU POLISH ROD AND PRESSURE TEST TO 1000 PSI. RIG DOWN WOR. SLIDE UNIT. PWOP. TURN OVER TO PRODUCTION. MOVE RIG TO UTE TRIBAL 2-34 Z2

**Table of Contents**

1	General.....	1
1.1	Customer Information.....	1
1.2	Well Information.....	1
2	Summary.....	1
2.1	Operation Summary.....	1

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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 3-10B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013507120000	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1754 FSL 0690 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 10 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>9/10/2016</b>	<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 recomplection procedure along with current and post WBD's.

**Approved by the**  
**August 31, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By:       D. K. Quist      

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 8/30/2016	

## Lake Fork Ranch 3-10 B4 Recom Summary Procedure

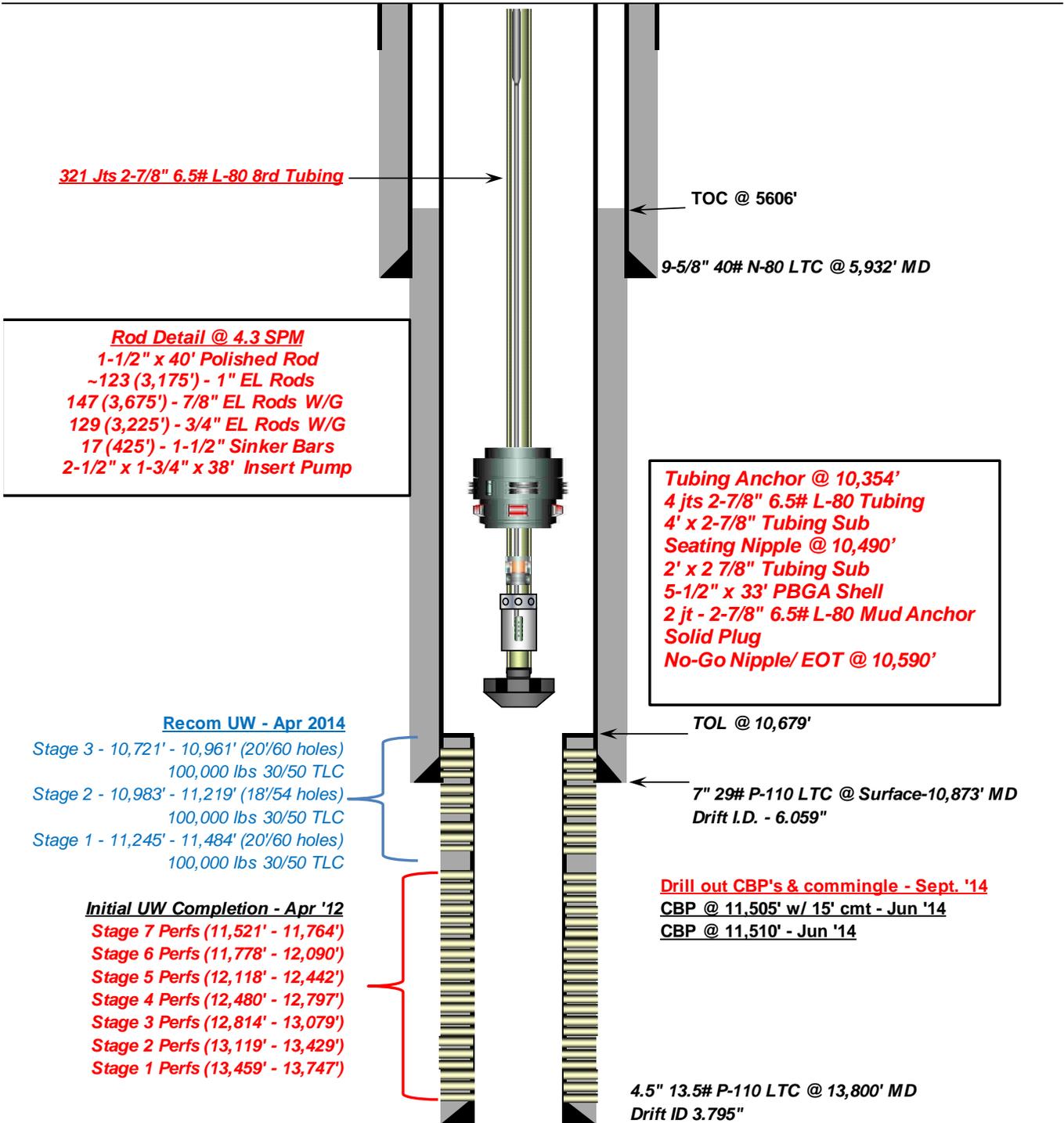
- POOH with rods and pump and tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing.
- Set 10k CBP for 7" 29# casing @ 10,665' and dump bail 15' cmt on top of plug.
- Set 10k CBP for 7" 29# casing @ 10,650' and dump bail 15' cmt on top of plug.
- Stage 1:
  - Perforate new UW/CP 70 interval from **10,556 - 10,624'**.
  - Acid Frac Perforations with **8,000** gals 15% HCl acid (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 10,406'.
  - Perforate new LGR interval from **10,252' - 10,391'**.
  - Prop Frac Perforations with **80,000** lbs 30/50 prop (w/ **5,000** lbs 100 mesh & **6,000** gals 15% HCl acid (Stage 2 Recom).
- Stage 3:
  - RIH with 7" CBP & set @ 10,211'.
  - Perforate new LGR interval from **9,996' - 10,196'**.
  - Prop Frac Perforations with **110,000** lbs 30/50 prop (w/ **6,000** lbs 100 mesh & **7,000** gals 15% HCl acid (Stage 3 Recom).
- Stage 4:
  - RIH w/ 7" CBP & set @ 9,976'.
  - Perforate new LGR interval from **9,827' - 9,961'**.
  - Acid Frac Perforations with **15,000** gals 15% HCl acid (Stage 4 Recom).
- Stage 5:
  - RIH w/ 7" CBP & set @ 9,721'.
  - Perforate new LGR interval from **9,639' - 9,706'**.
  - Acid Frac Perforations with **8,000** gals 15% HCl acid (Stage 5 Recom).
- Clean out well drilling up (4) 7" CBPs, leaving 2 - 7" 10k CBP @ 10,665' and 10,650'. (PBSD @ 10,650'). Top perf BELOW plugs @ 10,721'.
- RIH w/ production tubing, pump, and rods.
- Clean location and resume production.



**Proposed Schematic April 14, 2016**

Company Name: EP Energy  
 Well Name: Lakefork Ranch 3-10B4  
 Field, County, State: Altamont - Bluebell, Duchesne, Utah  
 Surface Location: Lat: 40° 19' 10.36752" N Long: 110° 18' 55.84456" W  
 Producing Zone(s): Wasatch, CP 70, LGR

Last Updated: 4/14/2016  
 By: Walt  
 TD: 13,800'  
 BHL: \_\_\_\_\_  
 Elevation: \_\_\_\_\_

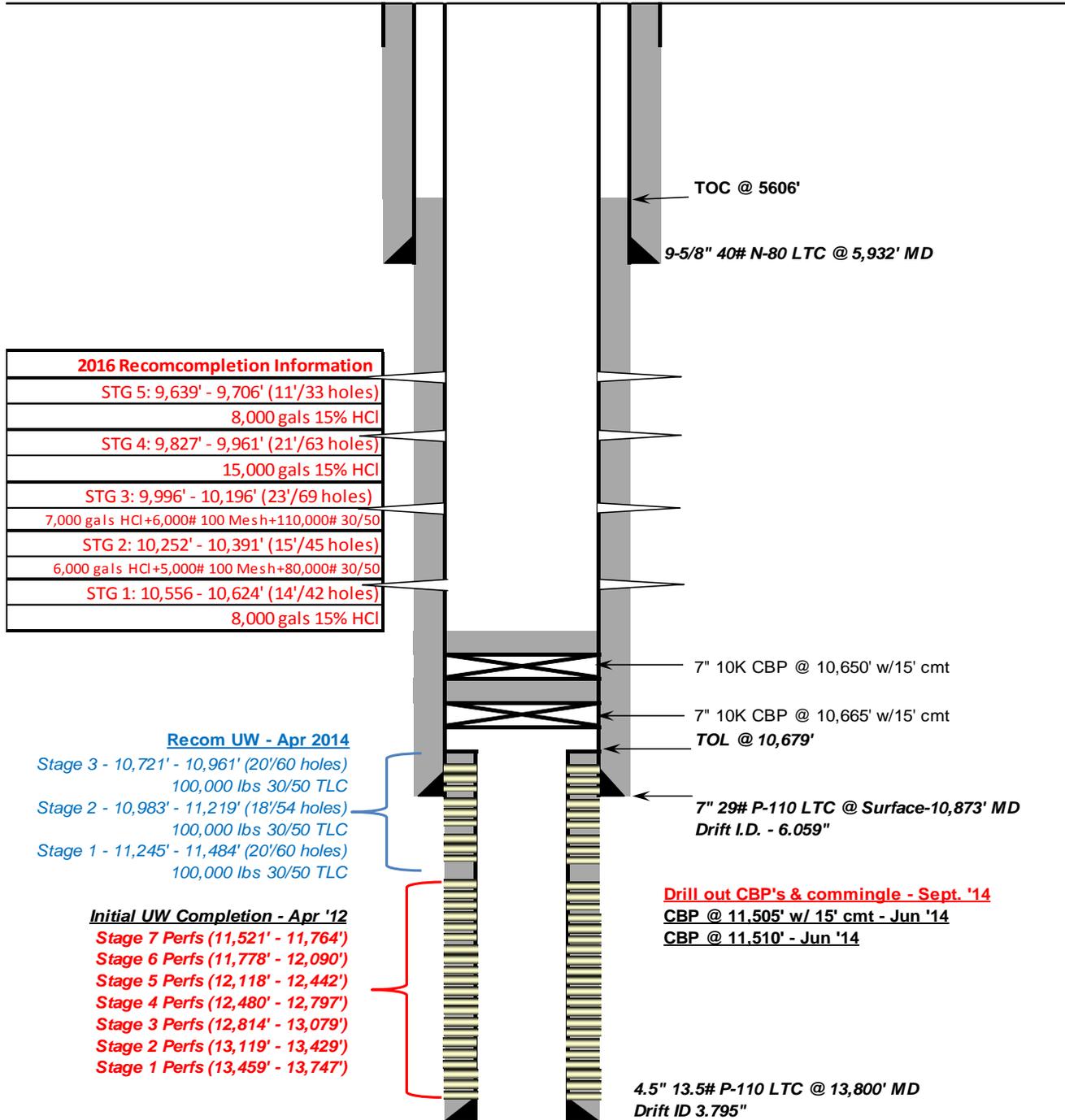




**Proposed Recom WBS**

Company Name: EP Energy  
 Well Name: Lakefork Ranch 3-10B4  
 Field, County, State: Altamont - Bluebell, Duchesne, Utah  
 Surface Location: Lat: 40° 19' 10.36752" N Long: 110° 18' 55.84456" W  
 Producing Zone(s): Wasatch, CP 70, LGR

Last Updated: 8/30/2016  
 By: Fondren  
 TD: 13,800'  
 BHL: \_\_\_\_\_  
 Elevation: \_\_\_\_\_



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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

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

U . S . B . & M .

12. COUNTY

13. STATE

UTAH

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

2. NAME OF OPERATOR:

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

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
  
AT TOTAL DEPTH:

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

18. TOTAL DEPTH: MD TVD 19. PLUG BACK T.D.: MD TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

**25. TUBING RECORD**

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

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

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

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

**29. ENCLOSED ATTACHMENTS:**

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

**30. WELL STATUS:**

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in item #26)**

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

**INTERVAL B (As shown in item #26)**

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

**INTERVAL C (As shown in item #26)**

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

**INTERVAL D (As shown in item #26)**

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

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

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

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

**34. FORMATION (Log) MARKERS:**

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

**35. ADDITIONAL REMARKS (Include plugging procedure)**

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

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- 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 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: \_**

**Well Name: \_**

**Items #27 and #28 Continued**

**27. Perforation Record**

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

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

<b>Depth Interval</b>	<b>Amount and Type of Material</b>

## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-10B4  
LAKE FORK RANCH 3-10B4  
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 3-10B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-10B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	9/14/2016	End date	9/28/2016
Spud Date/Time	2/28/2012	UWI	LAKE FORK RANCH 3-10B4
Active datum	KB @6,311.0usft (above Mean Sea Level)		
Afe No./Description	167171/57225 / LAKE FORK RANCH 3-10B4		

**2 Summary****2.1 Operation Summary**

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
9/15/2016	13:30 14:20	0.83	WOR	28		P		ROAD RIG FROM THE 4-21B4 TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	14:20 15:45	1.42	MIRU	01		P		MIRU SCSIP 30 PSI BLEED OFF PRESSURE NO FLUID CSIP 60 PSI TSIP 60 PSI BLEED OFF WELL PUMP 60 BBLS OF HOT 2% KCL WATER DOWN CSG
	15:45 16:20	0.58	WOR	39		P		L/D POLISH ROD UNSEAT PUMP FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER
	16:20 18:30	2.17	WOR	39		P		TOH FLUSHING AS NEEDED w 122-1" RODS 147-7/8" RODS 129-3/4" RODS L/D 17-1-1/2" CBARS L/D PUMP SECURE WELL INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE CSG VALVE w NIGHT CAP BARRIER 1 & 2 CLOSE 9-5/8" CSG w NIGHT CAP BARRIER 1 & 2 OPEN WELL TO SALES SDFN
9/16/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 9:57	2.95	WOR	16		P		CSIP 50 PSI SCSIP 0 PSI TSIP 0 PSI BLEED OFF CSG N/D WELL HEAD INSTALL PERFORATED SUB AND 2 WAY LAND ON HANGER N/U AND TEST BOP N/U WASHINGTON HEAD
	9:57 14:15	4.30	WOR	39		P		RELEASE 7" TAC MIRU SCANNING EQUIPMENT SCAN OUT TBG L/D 5-RED 41-BLUE 279-YELLOW TTL OF 325-JTS OF 2-7/8" TBG L/D BHA RDMO SCANNING EQUIPMENT
	14:15 18:30	4.25	WLWORK	26		P		MIRU WIRELINE N/D AND TEST LUBRICATOR TIH w 6" GAUGE TO 10679' TOH L/D SAME TIH w 7" CBP AND SET AT 10665' START FILLING CSG TOH L/D SETTING TOOL TIH w DUMP BAILER 15' OF CMT DUMP ON PLUG TOH L/D BAILER SECURE WELL PLUG AND CMT BARRIER 1 CLOSE PIPE RAMS BARRIER 2 AND LOCK CLOSE CSG VALVES w NIGHT CAPS BARRIER 1 & 2 SDFN
9/17/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 11:00	4.00	WOR	27		P		CSIP 30 PSI SCSIP 0 PSI BLEED OFF CSG TIG w 7" CBP FILL AND PRESSURE CSG TO 2000' PSI SET 2ND PLUG AT 10650' TOH L/D SETTING TOOL TIH w DUMP BAILER DUMP 15' OF CMT TOH R/D WIRELINE
	11:00 15:00	4.00	WOR	16		P		INSTALL HANGER w 2 WAY CHECK N/D BOP N/U AND TEST 7" MASTER VALVE TO 8500 PSI TEST GOOD REMOVE HANGER AND 2 WAY CHECK TEST 7" CSG TO 8000 PSI OR 30 MIN w 9-5/8" CSG OPEN TEST GOOD NO COMMUNICATION N/U AND TEST FRAC STACK

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	15:00 18:00	3.00	WLWORK	21		P		R/U WIRELINE TEST LUBRICATOR TOH PERFORATE STG 1 10624'-10556' STARTING PRESSURE 0 PSI ENDING PRESSURE 0 PSI SECURE WELL CLOSE 7" MASTER BARRIER 1 HCR BARRIER 2 TOP HCR BARRIER 3 CLOSE AND NIGHT 7" CSG VALVES BARRIER 1 & 2 SDFN
9/18/2016	6:00 18:00	12.00	SITEPRE	28		P		CONTINUE FILLING FRAC TANK PRE LOCATION FOR FRAC
9/19/2016	15:00 19:30	4.50	STG01	35		P		MIRU FRAC EQUIPMENT
9/20/2016	7:00 8:00	1.00	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS
	8:00 11:30	3.50	STG01	35		P		FINISH RIGGING UP FRAC EQUIPMENT R/U AND TEST FLOW BACK
	11:30 12:36	1.10	STG01	35		P		ACID STAGE 1; PRESSURE TEST LINES TO 9079 PSI. OPEN WELL. SICP 1351 PSI. BREAK DOWN STAGE 1 PERFORATIONS 10624'-10556' AT 4794 PSI 9 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 4044 5 MIN 3109 PSI 10 MIN 2668 PSI 15 MIN 2428 PSI PUMP 8000 GAL 15% HCL ACID DROP 27 BALL EVERY 2600 GALS OF ACID (2 DROPS) FLUSH FR WATER ISDP 3907 PSI. 5 MIN 3356 PSI 10 MIN 3018 PSI AVG RATE 36 BPM. AVG PSI 5290 PSI. MAX PSI 7764 PSI TURN OVER TO WIRELINE
	12:36 14:23	1.78	STG02	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 10406' PRESSURE ON WELL 1800 PSI PERFORATE STAGE 2 PERFORATIONS 10391' TO 10252', 15 NET FEET 45 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 1100 PSI ALL PERFORATIONS CORRELATED TO LONE WOLF CBL/CCL/ GR RUN 1 4/21/2012
	14:23 16:42	2.32	STG02	35		P		STAGE 2; PRESSURE TEST LINES TO 8968 PSI. OPEN WELL. SICP 3020 PSI. BREAK DOWN STAGE 2 PERFORATIONS 10391' TO 10252' AT 3923 PSI 9 BPM PUMP 6000 GAL 15% HCL ACID FLUSH FR WATER STEP DOWN RATE IN 4 STEPS ISDP 3456 PSI. F.G. .77...5 MINUTE 3329 PSI. 10 MINUTE 3185 PSI. 15 MINUTE 3044 PSI. TREAT STAGE 2... AS PER PROCEDURE PAD FR WATER PAD 25# CROSSLINK 0.5# 100M SWEEP.5# THS 30/50 1# THS 30/50 1.75# THS 30/50 2.5# THS 30/50 STG FLUSH TO TOP PERF...ISDP 3579 PSI. 5 MIN 3416 PSI 10 MIN 3369 PSI AVG RATE 75 BPM. AVG PSI 4885 PSI. MAX PSI 5446 PSI. TTL TLC 30/50 86050# TURN OVER TO WIRELINE
	16:42 19:00	2.30	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 10211' PRESSURE ON WELL 1800 PSI PERFORATE STAGE 3 PERFORATIONS 10196' TO 9996', 23 NET FEET 69 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 1100 PSI ALL PERFORATIONS CORRELATED TO LONE WOLF CBL/CCL/ GR RUN 1 4/21/2012 SECURE WELL CLOSE 7" MASTER BARRIER 1 CLOSE HCR BARRIER 2 CLOSE TOP HCR BARRIER 3 INSTALL WIRELINE CAP BARRIER 4 SDFN
9/21/2016	6:00 7:00	1.00	STG03	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS
	7:00 9:18	2.30	STG03	35		P		STAGE 3; PRESSURE TEST LINES TO 9000 PSI. OPEN WELL. SICP 600 PSI. BREAK DOWN STAGE 3 PERFORATIONS 10196' TO 9996' AT 3015 PSI 10 BPM PUMP 6000 GAL 15% HCL ACID FLUSH FR WATER STEP DOWN RATE IN 4 STEPS ISDP 2591 PSI. F.G. .69...5 MINUTE 1221PSI. 10 MINUTE 210 PSI. 15 MINUTE 0 PSI. TREAT STAGE 3... AS PER PROCEDURE PAD FR WATER PAD 25# CROSSLINK 0.5# 100M (AS PER ROBERT FONDREN 20# XLINK THOUGH REST OF STG) SWEEP.5# THS 30/50 1# THS 30/50 1.5# THS 30/50 2# THS 30/50 3# THS 30/50 STG FLUSH TO TOP PERF...ISDP 4550 PSI. 5 MIN 4221 PSI 10 MIN 3964 PSI AVG RATE 73 BPM. AVG PSI 4456 PSI. MAX PSI 5272 PSI. TTL TLC 30/50 117511# TURN OVER TO WIRELINE

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	9:18 11:45	2.45	STG04	21		P		P/U TIH w CBP AND GUN STACK OUT AT 110' TOH PLUG WAS DAMAGED L/D 7" CBP P/U NEW 7" CBP TIH STAGE 4; SET COMPOSITE FRAC PLUG AT 9976' PRESSURE ON WELL 1800 PSI PERFORATE STAGE 4 PERFORATIONS 9961' TO 9827', 21 NET FEET 63 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 1100 PSI ALL PERFORATIONS CORRELATED TO LONE WOLF CBL/CCL/ GR RUN 1 4/21/2012
	11:45 12:39	0.90	STG04	35		P		ACID STAGE 4; PRESSURE TEST LINES TO 9000 PSI. OPEN WELL. SICP 0 PSI. BREAK DOWN STAGE 4 PERFORATIONS 9961' TO 9827' AT 3375 PSI 10 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 2678 5 MIN 317 PSI 10 MIN 69 PSI 15 MIN 0 PSI PUMP 15000 GAL 15% HCL ACID DROP 20 BALL EVERY 3000 GALS OF ACID (4 DROPS) FLUSH FR WATER ISDP 104 PSI. 5 MIN 0 PSI 10 MIN 0 PSI AVG RATE 48 BPM. AVG PSI 3176 PSI. MAX PSI 6013 PSI TURN OVER TO WIRELINE
	12:39 14:30	1.85	STG05	21		P		STAGE 5; SET COMPOSITE FRAC PLUG AT 9721' PRESSURE ON WELL 0 PSI PERFORATE STAGE 5 PERFORATIONS 9708' TO 9639', 21 NET FEET 33 TTL SHOTS W/ 2-3/4" 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 0 PSI ALL PERFORATIONS CORRELATED TO LONE WOLF CBL/CCL/ GR RUN 1 4/21/2012
	14:30 17:26	2.93	STG05	35		P		ACID STAGE 5; PRESSURE TEST LINES TO 9000 PSI. OPEN WELL. SICP 0 PSI. BREAK DOWN STAGE 5 PERFORATIONS 9708' TO 9639' AT 3603 PSI 10 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 2266 5 MIN 1174 PSI 10 MIN 965 PSI 15 MIN 872 PSI PUMP 8000 GAL 15% HCL ACID DROP 22 BALL EVERY 2600 GALS OF ACID (2 DROPS) FLUSH FR WATER ISDP 1994 PSI. 5 MIN 1241 PSI 10 MIN 1064 PSI AVG RATE 20 BPM. AVG PSI 4668 PSI. MAX PSI 7783 PSI SECURE WELL CLOSE 7" MASTER VALVE BARRIER 1 MID HCR AND LOCK BARRIER 2 TEST WIRELINE BOP TO 4000 PSI TEST GOOD CLOSE TOP HCR AND LOCK BARRIER 3 N/D WIRELINE BOP AND INSTALL NIGHT CAP BARRIER 4
	17:26 19:22	1.93	RDMO	02		P		RDMO FRAC EQUIPMENT RDMO WIRELINE
	19:22 20:00	0.63	FB	17		P		OPEN WELL 0 PSI SECURE WELL CLOSE 7" CSG w NIGHT RELEASE FLOW BACK CREW
9/23/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 11:00	4.00	WOR	16		P		CSIP 85 PSI BLEED OFF PRESSURE N/D FRAC STACK N/U AND TEST BOP AND HYDRILL N/U WASHINGTON HEAD
	11:00 12:30	1.50	WOR	16		N		PIPE RAM WOULD NOT TEST WAIT ON NEW RAM BLOCKS INSTALL AND TEST
	12:30 17:30	5.00	WOR	39		P		P/U 6" ROCK BIT AND BIT SUB TALLY TBG TIH w 303 JTS OF 2-7/8" TBG EOT 9545' SECURE WELL CLOSE BOP AND LOCK BARRIER 1 HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CSG VALVES CLOSED w NIGHT CAPS BARRIER 1 & 2 SDFN
9/24/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 19:30	12.50	WOR	10		P		CSIP 100 PSI TSIP 80 PSI BLEED OFF WELL TIH w 7-JTS OF 2-7/8" TBG R/U POWER SWIVEL ESTABLISH CIRC w 190 BBLs OF 2% KCL WATER DRILL 7" PLUG AT 9721' 7" PLUG 9976' 7" PLUG 10211' C/O 10220' CIRC CLEAN R/D POWER SWIVEL TOH w 20-JTS OF 2-7/8" TBG ABOVE PERFS EOT 9575' SECURE WELL CLOSE BOP AND LOCK BARRIER 1 HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CSG VALVES CLOSED w NIGHT CAPS BARRIER 1 & 2 SDFN
9/25/2016	6:00 7:00	1.00	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
	7:00 14:10	7.17	WOR	10		P		CSIP 80 PSI TSIP 0 PSI BLEED OFF WELL TIH w 16-JTS TAG AT 10406' R/U POWER SWIVEL ESTABLISH CIRC w 166 BBLS OF 2% KCL WATER DRILL PLUG AT 10406' C/O TO 10635' CIRC WELL CLEAN R/D POWER SWIVEL
	14:10 19:00	4.83	WOR	39		P		L/D 5-JTS OF 2-7/8" TBG TOH w 48-JTS FLUSH TBG PRESSURE UP TO 2000 PSI REVERSE TBG HAD PLUG PARTS IN KELLY CLEAN KELLY FLUSH TBG CONTINUE TOH w 200-JTS OF 2-7/8" TBG FLUSHING TBG AS NEEDED PULL TO KILL STRING EOT 2506' SECURE WELL CLOSE BOP AND LOCK BARRIER 1 HYDRILL BARRIER 2 INSTALL TIW VALVE w NIGHT CAP BARRIER 1 & 2 CSG VALVES CLOSED w NIGHT CAPS BARRIER 1 & 2 SDFN
9/27/2016	7:00 8:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	8:00 9:00	1.00	WOR	39		P		CSIP 250 PSI TSIP 185 PSI BLEED OFF WELL TOH w 78-JTS OF 2-7/8" TBG L/D 6" BIT AND BIT SUB
	9:00 16:20	7.33	WOR	39		P		P/U 5 3/4" NO-GO 2-JTS OF 2-7/8" TBG 5-1/2" PBGA 2-JTS OF 2-7/8" TBG P/U HYDROTEST TOOLS AND TBG TO 8500 PSI TIH w 2-JTS OF 2-7/8" TBG 7" TAC 322-JTS OF 2-7/8" TBG RDMO HYDROTEST EQUIPMENT ALL JTS TESTED GOOD
	16:20 18:30	2.17	WOR	16		P		SPACE OUT AND SET 7" TAC AT 10366' LAND TBG N/D HYDRILL N/D BOP N/U WELL HEAD SECURE WELL INSTALL TIW VALVE w NIGHT CAP BARRIERS 1 & 2 CLOSE CSG VALVES w NIGHT CAPS BARRIERS 1 & 2 SDFN
9/28/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 8:06	1.10	WOR	39		P		TSIP 150 PSI BLEED OFF PRESSURE FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER
	8:06 10:55	2.82	WOR	39		P		P/U AND PRIME 2-1/2" X 1-3/4" X 38' HRBC PUMP 19-1-1/2" C BARS 128-3/4" RODS 141-7/8" RODS 128-1" RODS SPACE OUT PUMP w 2' PONY RODS FILL TBG w 10 BBLS OF HOT 2% KCL WATER TEST AND STROKE TEST PUMP TO 1000 PSI GOOD
	10:55 13:00	2.08	RDMO	02		P		RDMO SLIDE ROTO FLEX HANG OFF RODS CHECK FOR TAG NO TAG TURN WELL OVER TO PRODUCTION