

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER 16-33-46 DLB	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ALTAMONT	
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME	
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164	
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL dspencer@billbarrettcorp.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 20G0005500			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') UTE			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>	
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	904 FSL 463 FWL	SWSW	34	4.0 S	6.0 W	U	
Top of Uppermost Producing Zone	716 FSL 403 FEL	SESE	33	4.0 S	6.0 W	U	
At Total Depth	660 FSL 660 FEL	SESE	33	4.0 S	6.0 W	U	
21. COUNTY DUCHEсне			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660		23. NUMBER OF ACRES IN DRILLING UNIT 640		
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2990		26. PROPOSED DEPTH MD: 7500 TVD: 7350		
27. ELEVATION - GROUND LEVEL 7393			28. BOND NUMBER LPM 879501		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City Culinary Water Dock		

ATTACHMENTS

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Elaine Winick	TITLE Sr. Permit Analyst	PHONE 303 293-9100
SIGNATURE	DATE 01/07/2011	EMAIL ewinick@billbarrettcorp.com
API NUMBER ASSIGNED 43013505750000	APPROVAL  Permit Manager	

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	26	16	0	80		
Pipe	Grade	Length	Weight			
	Unknown	80	65.0			

Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.5	9.625	0	1300		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	1300	36.0			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	8.75	5.5	0	7500		
Pipe	Grade	Length	Weight			
	Grade P-110 LT&C	7500	17.0			

BILL BARRETT CORPORATION
DRILLING PLAN
1/25/2011

16-33-46 DLB Well Pad

SWSW, 904' FSL & 463' FWL, Section 34-T4S-R6W, USB&M (surface hole)
 SESE, 660' FSL & 660' FEL, Section 33-T4S-R6W, USB&M (bottom hole)
 Duchesne County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Lower Green River	3836'	3706'
Douglas Creek	4652'	4491'
Black Shale	5346'	5181'
Castle Peak	5591'	5426'
Wasatch	6111'	5946'
TD	7500'	7350'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1300'	No pressure control required
1300' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
<ul style="list-style-type: none"> - Drilling spool to accommodate choke and kill lines; - Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2; - The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests. - BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner. 	

4. Casing Program

A) Planned Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	surface	1,300'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	surface	TD	5 1/2"	17#	P-110	LT&C	New

For any liner ran BBC intends to have a minimum of 200' of liner overlap.

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Approximately 150 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. Approximately 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess.
5 1/2" Production Casing	Approximately 660 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). Approximately 730 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 800'.

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1,300'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,300' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3669 psi* and maximum anticipated surface pressure equals approximately 2052 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
16-33-46 DLB
Duchesne County, Utah

9. **Auxiliary Equipment**

- a) Upper Kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. **Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. **Drilling Schedule**

Location Construction:	Approximately June 15, 2011
Spud:	Approximately July 1, 2011
Duration:	15 days drilling time
	45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. **Type:** **Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. **Pressure Rating:** 5,000 psi

C. **Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

as of 1/25/2011

Well Name: 16-33-46 DLB

Surface Hole Data:

Total Depth:	1,300'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	438.5	ft ³
Lead Fill:	800'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	150
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	800'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	7,500'
Top of Cement:	800'
Top of Tail:	4,800'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1515.6	ft ³
Lead Fill:	4,000'	
Tail Volume:	1023.1	ft ³
Tail Fill:	2,700'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

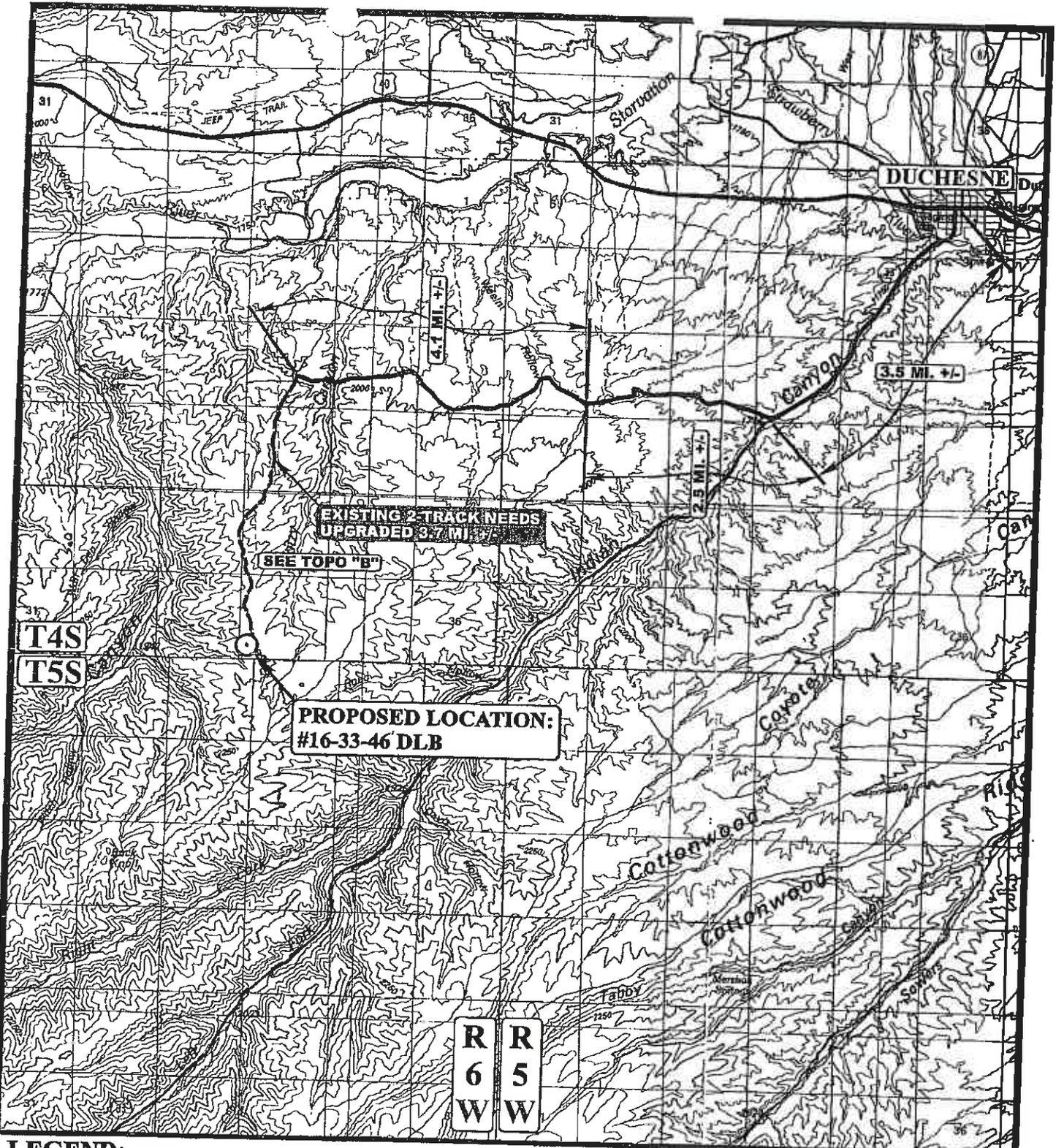
Calculated # of Sacks:

# SK's Lead:	660
# SK's Tail:	730

16-33-46 DLB Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (800' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 800'
	Volume: 78.09 bbl
	Proposed Sacks: 150 sks
Tail Cement - (TD - 800')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 800'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4800' - 800')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 800'
	Calculated Fill: 4,000'
	Volume: 269.91 bbl
	Proposed Sacks: 660 sks
Tail Cement - (7500' - 4800')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 4,800'
	Calculated Fill: 2,700'
	Volume: 182.21 bbl
	Proposed Sacks: 730 sks



LEGEND:
 ○ PROPOSED LOCATION
 - - - - - EXISTING 2-TRACK NEEDS UPGRADED

BILL BARRETT CORPORATION

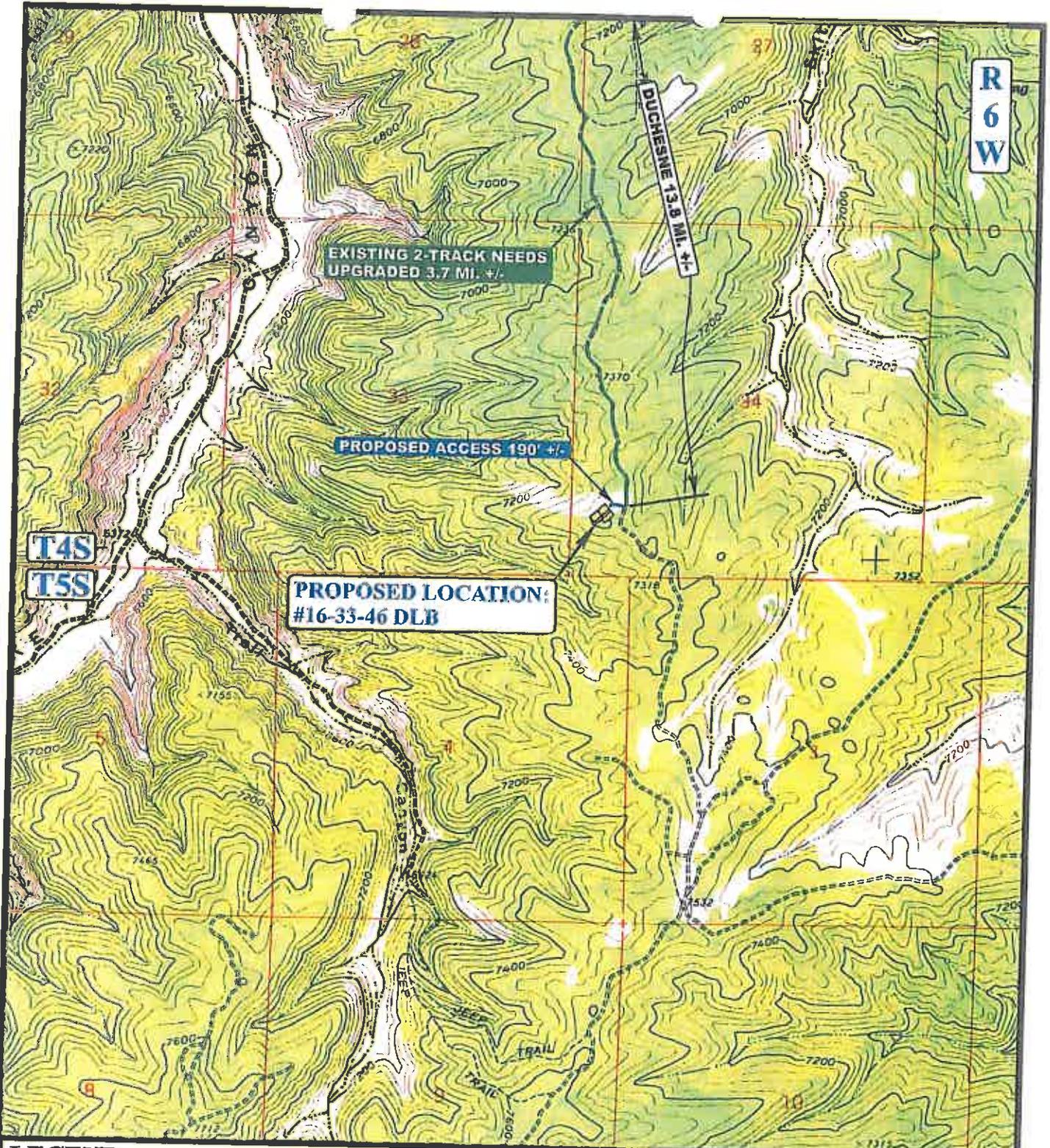
#16-33-46 DLB
 SECTION 34, T4S, R6W, U.S.B.&M.
 904' FSL & 463' FWL

U&L S
 Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAG (435) 789-1813



TOPOGRAPHIC MAP
 04 26 07
 MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED

BILL BARRETT CORPORATION

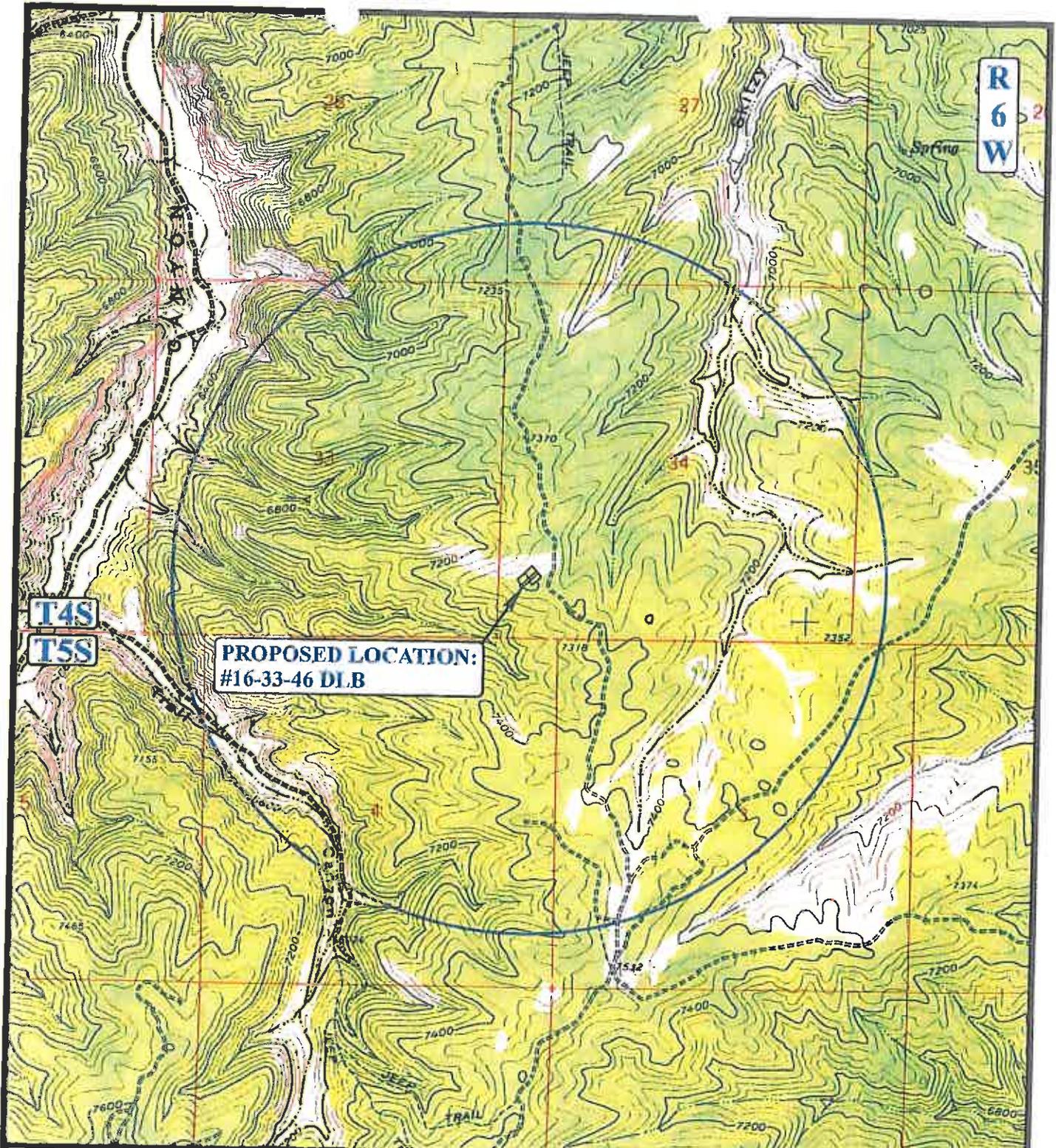
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 904' FSL & 463' FWL

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TOPOGRAPHIC MAP 04 26 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
 TOPO



**PROPOSED LOCATION:
#16-33-46 DLB**

LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊕ WATER WELLS
- ⊙ ABANDONED WELLS
- ⊙ TEMPORARILY ABANDONED

BILL BARRETT CORPORATION

#16-33-46 DLB
SECTION 34, T4S, R6W, U.S.B.&M.
904' FSL & 463' FWL

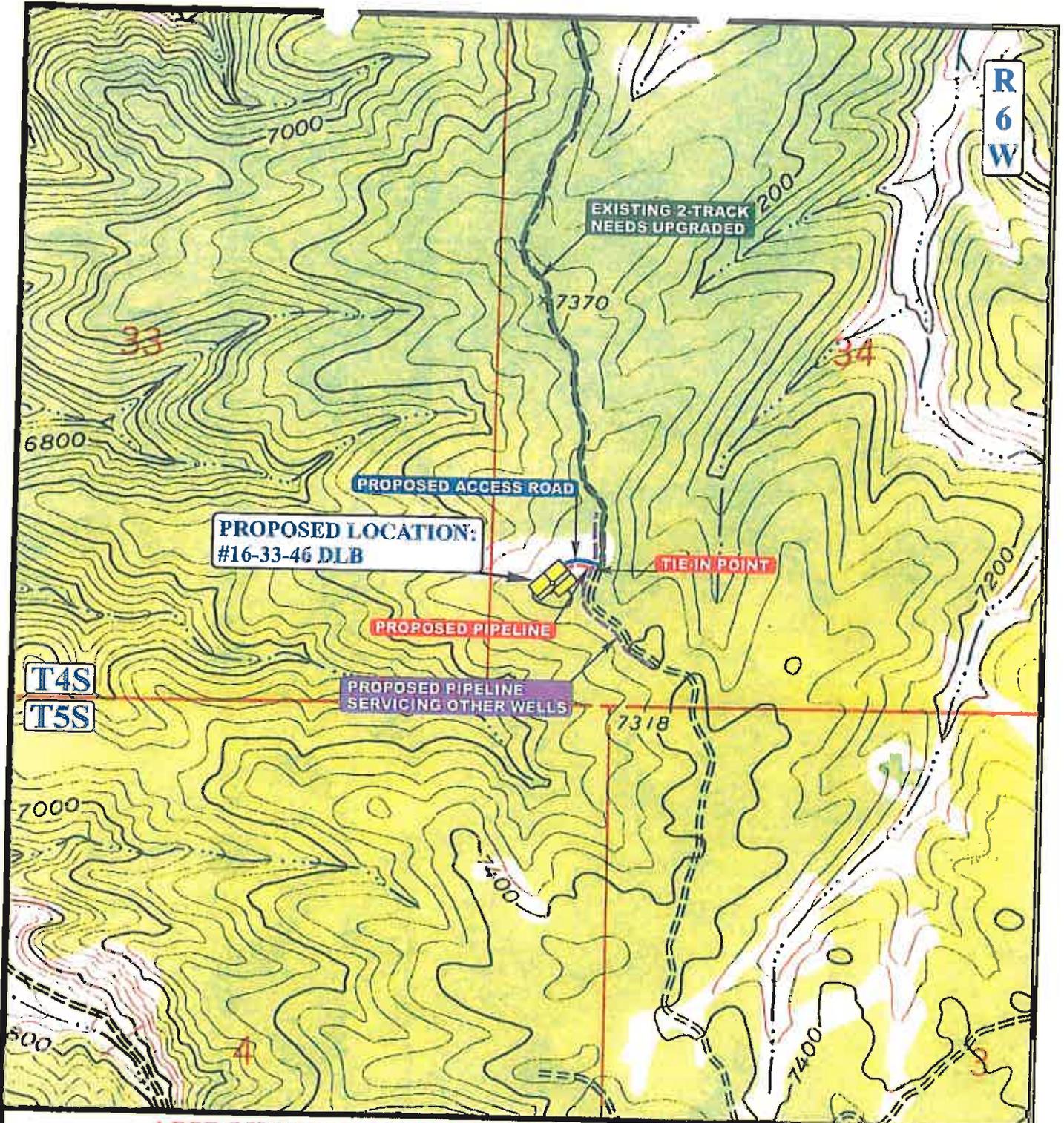


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TOPOGRAPHIC MAP 04 26 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 220' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

#16-33-46 DLB
 SECTION 34, T4S, R6W, U.S.B.&M.
 904' FSL & 463' FWL



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TOPOGRAPHIC MAP 04 26 07
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



4S/6W

5S/6W

5

4

3

33

34

35

8-4-88

7-3-88

16-33-46 DLB

5-34-46
DLB



One Mile Radius Map

16-33-46 DLB Pad
SWSW, Section 34, T4S, R6W
Duchesne County, Utah

Legend

- Drilling - 1 Total
- Oil - 2 Total

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 34-T4S-R6W

16-33-46 DBL

Plan A Rev 0

Plan: Plan A Rev 0 Proposal

Sperry Drilling Services

Proposal Report

08 December, 2010

Well Coordinates: 639,409.70 N, 2,264,071.32 E (40° 05' 06.10" N, 110° 33' 22.27" W)

Ground Level: 7,391.00 ft

Local Coordinate Origin:

Centered on Well 16-33-46 DBL

Viewing Datum:

RKB 16' @ 7407.00ft (Paterson 506)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

HALLIBURTON

Plan Report for 16-33-46 DBL - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
585.00	0.00	0.000	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kickoff at 585.00ft										
585.40	0.00	0.000	585.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.29	257.742	600.00	-0.01	-0.04	0.04	2.00	2.00	0.00	257.74
700.00	2.29	257.742	699.97	-0.49	-2.24	2.29	2.00	2.00	0.00	0.00
800.00	4.29	257.742	799.80	-1.71	-7.85	8.03	2.00	2.00	0.00	0.00
900.00	6.29	257.742	899.37	-3.66	-16.86	17.26	2.00	2.00	0.00	0.00
1,000.00	8.29	257.742	998.55	-6.36	-29.27	29.95	2.00	2.00	0.00	0.00
Build Rate = 2.00°/100ft										
1,100.00	10.29	257.742	1,097.24	-9.79	-45.04	46.09	2.00	2.00	0.00	0.00
1,200.00	12.29	257.742	1,195.30	-13.94	-64.18	65.67	2.00	2.00	0.00	0.00
1,300.00	14.29	257.742	1,292.61	-18.83	-86.64	86.67	2.00	2.00	0.00	0.00
1,400.00	16.29	257.742	1,389.07	-24.42	-112.41	115.04	2.00	2.00	0.00	0.00
1,485.40	18.00	257.742	1,470.67	-29.77	-137.02	140.21	2.00	2.00	0.00	0.00
End Build at 1485.40ft										
1,500.00	18.00	257.742	1,484.55	-30.73	-141.43	144.72	0.00	0.00	0.00	0.00
1,600.00	18.00	257.742	1,579.66	-37.29	-171.62	175.63	0.00	0.00	0.00	0.00
1,700.00	18.00	257.742	1,674.77	-43.85	-201.82	206.59	0.00	0.00	0.00	0.00
1,800.00	18.00	257.742	1,769.87	-50.41	-232.02	237.43	0.00	0.00	0.00	0.00
1,900.00	18.00	257.742	1,864.98	-56.97	-262.21	268.33	0.00	0.00	0.00	0.00
2,000.00	18.00	257.742	1,960.08	-63.53	-292.41	299.23	0.00	0.00	0.00	0.00
2,074.57	18.00	257.742	2,031.00	-68.43	-314.93	322.28	0.00	0.00	0.00	0.00
Green River										
2,100.00	18.00	257.742	2,055.19	-70.09	-322.61	330.14	0.00	0.00	0.00	0.00
2,200.00	18.00	257.742	2,150.29	-76.66	-352.81	361.04	0.00	0.00	0.00	0.00
2,300.00	18.00	257.742	2,245.40	-83.22	-383.00	391.94	0.00	0.00	0.00	0.00
2,400.00	18.00	257.742	2,340.50	-89.78	-413.20	422.84	0.00	0.00	0.00	0.00
2,500.00	18.00	257.742	2,435.61	-96.34	-443.40	453.74	0.00	0.00	0.00	0.00
2,574.01	18.00	257.742	2,506.00	-101.20	-465.75	476.61	0.00	0.00	0.00	0.00
Mahogany										
2,600.00	18.00	257.742	2,530.72	-102.90	-473.59	484.64	0.00	0.00	0.00	0.00
2,700.00	18.00	257.742	2,625.82	-109.46	-503.79	515.55	0.00	0.00	0.00	0.00
2,800.00	18.00	257.742	2,720.93	-116.02	-533.99	546.45	0.00	0.00	0.00	0.00
2,900.00	18.00	257.742	2,816.03	-122.58	-564.19	577.35	0.00	0.00	0.00	0.00
3,000.00	18.00	257.742	2,911.14	-129.14	-594.38	608.25	0.00	0.00	0.00	0.00
18.00 Inclination										
3,100.00	18.00	257.742	3,006.24	-135.71	-624.58	639.15	0.00	0.00	0.00	0.00
3,200.00	18.00	257.742	3,101.35	-142.27	-654.78	670.05	0.00	0.00	0.00	0.00
3,300.00	18.00	257.742	3,196.46	-148.83	-684.97	700.96	0.00	0.00	0.00	0.00
3,400.00	18.00	257.742	3,291.56	-155.39	-715.17	731.86	0.00	0.00	0.00	0.00
3,500.00	18.00	257.742	3,386.67	-161.95	-745.37	762.76	0.00	0.00	0.00	0.00
3,600.00	18.00	257.742	3,481.77	-168.51	-775.57	793.66	0.00	0.00	0.00	0.00
3,700.00	18.00	257.742	3,576.88	-175.07	-805.76	824.56	0.00	0.00	0.00	0.00
3,800.00	18.00	257.742	3,671.98	-181.63	-835.96	855.46	0.00	0.00	0.00	0.00
3,835.77	18.00	257.742	3,706.00	-183.98	-846.76	866.52	0.00	0.00	0.00	0.00
TGR3										
3,900.00	18.00	257.742	3,767.09	-188.19	-866.16	886.37	0.00	0.00	0.00	0.00
4,000.00	18.00	257.742	3,862.20	-194.76	-896.35	917.27	0.00	0.00	0.00	0.00
4,100.00	18.00	257.742	3,957.30	-201.32	-926.55	948.17	0.00	0.00	0.00	0.00
4,145.57	18.00	257.742	4,000.64	-204.31	-940.31	962.25	0.00	0.00	0.00	0.00
Begin Drop at 4145.57ft										
4,200.00	17.18	257.742	4,052.52	-207.80	-956.39	978.70	1.50	-1.50	0.00	180.00

Plan Report for 16-33-46 DBL - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Bulld Rate (°/100ft)	Turn Rate (°/100ft)	Toothface Azimuth (°)
4,300.00	15.68	257.742	4,148.44	-213.81	-984.03	1,006.99	1.50	-1.50	0.00	180.00
4,400.00	14.18	257.742	4,245.06	-219.28	-1,009.21	1,032.76	1.50	-1.50	0.00	180.00
4,500.00	12.68	257.742	4,342.32	-224.21	-1,031.91	1,055.99	1.50	-1.50	0.00	180.00
4,600.00	11.18	257.742	4,440.15	-228.60	-1,052.12	1,076.87	1.50	-1.50	0.00	180.00
4,651.76	10.41	257.742	4,491.00	-230.66	-1,061.59	1,086.36	1.50	-1.50	0.00	180.00
Douglas Creek										
4,700.00	9.68	257.742	4,538.50	-232.44	-1,069.82	1,084.78	1.50	-1.50	0.00	-180.00
4,750.00	8.93	257.742	4,587.84	-234.16	-1,077.72	1,102.87	1.50	-1.50	0.00	-180.00
Drop Rate = 1.50°/100ft										
4,800.00	8.18	257.742	4,637.28	-235.74	-1,084.99	1,110.31	1.50	-1.50	0.00	180.00
4,900.00	6.68	257.742	4,736.44	-238.49	-1,097.83	1,123.24	1.50	-1.50	0.00	180.00
5,000.00	5.18	257.742	4,835.90	-240.68	-1,107.73	1,133.58	1.50	-1.50	0.00	180.00
5,010.14	5.03	257.742	4,846.00	-240.87	-1,108.62	1,134.48	1.50	-1.50	0.00	-180.00
3Point Marker										
5,100.00	3.68	257.742	4,935.60	-242.32	-1,115.29	1,141.31	1.50	-1.50	0.00	180.00
5,200.00	2.18	257.742	5,035.46	-243.41	-1,120.29	1,146.43	1.50	-1.50	0.00	180.00
5,300.00	0.68	257.742	5,135.43	-243.94	-1,122.73	1,148.93	1.50	-1.50	0.00	180.00
5,345.57	0.00	0.000	5,181.00	-244.00	-1,123.00	1,149.20	1.50	-1.50	0.00	180.00
End Drop at 5345.57ft - Black Shale - 16-33-46 DBL Plan A Rev 0 Zone Tgt										
5,400.00	0.00	0.000	5,235.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
5,500.00	0.00	0.000	5,335.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
5,590.57	0.00	0.000	5,426.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
Castle Peak										
5,600.00	0.00	0.000	5,435.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
5,700.00	0.00	0.000	5,535.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
5,800.00	0.00	0.000	5,635.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
5,890.57	0.00	0.000	5,726.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
Uteland Butte										
5,900.00	0.00	0.000	5,735.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
5,925.57	0.00	0.000	5,761.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
CR1										
6,000.00	0.00	0.000	5,835.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,100.00	0.00	0.000	5,935.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,110.57	0.00	0.000	5,946.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
Wasatch										
6,200.00	0.00	0.000	6,035.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,220.57	0.00	0.000	6,056.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
CR2										
6,300.00	0.00	0.000	6,135.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,400.00	0.00	0.000	6,235.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,420.57	0.00	0.000	6,256.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
CR3										
6,500.00	0.00	0.000	6,335.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,600.00	0.00	0.000	6,435.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,700.00	0.00	0.000	6,535.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,760.57	0.00	0.000	6,596.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
CR4										
6,800.00	0.00	0.000	6,635.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
6,900.00	0.00	0.000	6,735.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
7,000.00	0.00	0.000	6,835.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
7,030.57	0.00	0.000	6,866.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
CR4A										
7,100.00	0.00	0.000	6,935.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
7,120.57	0.00	0.000	6,956.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
CR 5										
7,200.00	0.00	0.000	7,035.43	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
7,280.57	0.00	0.000	7,116.00	-244.00	-1,123.00	1,149.20	0.00	0.00	0.00	0.00
Total Depth = 7280.57ft - 16-33-46 DBL Plan A Rev 0 BH Tgt										

Plan Report for 16-33-46 DBL - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
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Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
585.00	585.00	0.00	0.00	Kickoff at 585.00ft
1,000.00	998.55	-6.36	-29.27	Build Rate = 2.00°/100ft
1,485.40	1,470.67	-29.77	-137.02	End Build at 1485.40ft
3,000.00	2,911.14	-129.14	-594.38	18.00 Inclination
4,145.57	4,000.64	-204.31	-940.31	Begin Drop at 4145.57ft
4,750.00	4,567.84	-234.16	-1,077.72	Drop Rate = 1.50°/100ft
5,345.57	5,181.00	-244.00	-1,123.00	End Drop at 5345.57ft
7,280.57	7,116.00	-244.00	-1,123.00	Total Depth = 7280.57ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	16-33-46 DBL Plan A Rev 0 BH Tgt	257.742	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	7,280.57	Plan A Rev 0 Proposal	MWD

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,074.57	2,031.00	Green River		0.00	
2,574.01	2,506.00	Mahogany		0.00	
3,835.77	3,706.00	TGR3		0.00	
4,651.76	4,491.00	Douglas Creek		0.00	
5,010.14	4,846.00	3Point Marker		0.00	
5,345.57	5,181.00	Black Shale		0.00	
5,590.57	5,426.00	Castle Peak		0.00	
5,890.57	5,726.00	Uteland Butte		0.00	
5,925.57	5,761.00	CR1		0.00	
6,110.57	5,946.00	Wasatch		0.00	
6,220.57	6,056.00	CR2		0.00	
6,420.57	6,256.00	CR3		0.00	
6,760.57	6,596.00	CR4		0.00	
7,030.57	6,866.00	CR4A		0.00	
7,120.57	6,956.00	CR 5		0.00	

Plan Report for 16-33-46 DBL - Plan A Rev 0 Proposal

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
16-33-46 DBL Plan A Rev 0 Zone Tgt	5,181.00	-244.00	-1,123.00	Circle
16-33-46 DBL Plan A Rev 0 BH Tgt	7,116.00	-244.00	-1,123.00	Point

North Reference Sheet for Sec. 34-T4S-R6W - 16-33-46 DBL - Plan A Rev 0

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 16' @ 7407.00ft (Patterson 506). Northing and Easting are relative to 16-33-46 DBL

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99990832

Grid Coordinates of Well: 638,409.70 ft N, 2,264,071.32 ft E

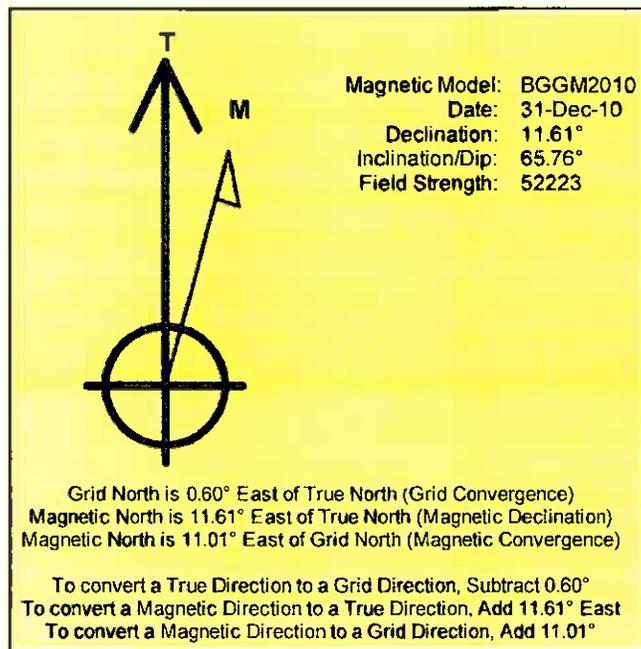
Geographical Coordinates of Well: 40° 05' 06.10" N, 110° 33' 22.27" W

Grid Convergence at Surface is: 0.60°

Based upon Minimum Curvature type calculations, at a Measured Depth of 7,280.57ft

the Bottom Hole Displacement is 1,149.20ft in the Direction of 257.74° (True).

Magnetic Convergence at surface is: -11.01° (31 December 2010, , BGGM2010)



Project: Duchesne County, UT (NAD 1927)
 Site: Sec. 34-T4S-R6W
 Well: 16-33-46 DBL
 Wellbore: Plan A Rev 0
 Plan: Plan A Rev 0 Proposal

Bill Barrett Corp



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DLeg	TFace	VSec
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
2	585.40	0.00	0.000	585.40	0.00	0.00	0.00	0.00	0.00
3	1485.40	18.00	257.742	1470.67	-29.77	-137.02	2.00	257.74	140.21
4	4145.57	18.00	257.742	4000.64	-204.31	-940.31	0.00	0.00	862.25
5	5345.57	0.00	0.000	5181.00	-244.00	-1123.00	1.50	180.00	1149.20
6	7280.57	0.00	0.000	7116.00	-244.00	-1123.00	0.00	0.00	1149.20

WELL DETAILS 16-33-46 DBL

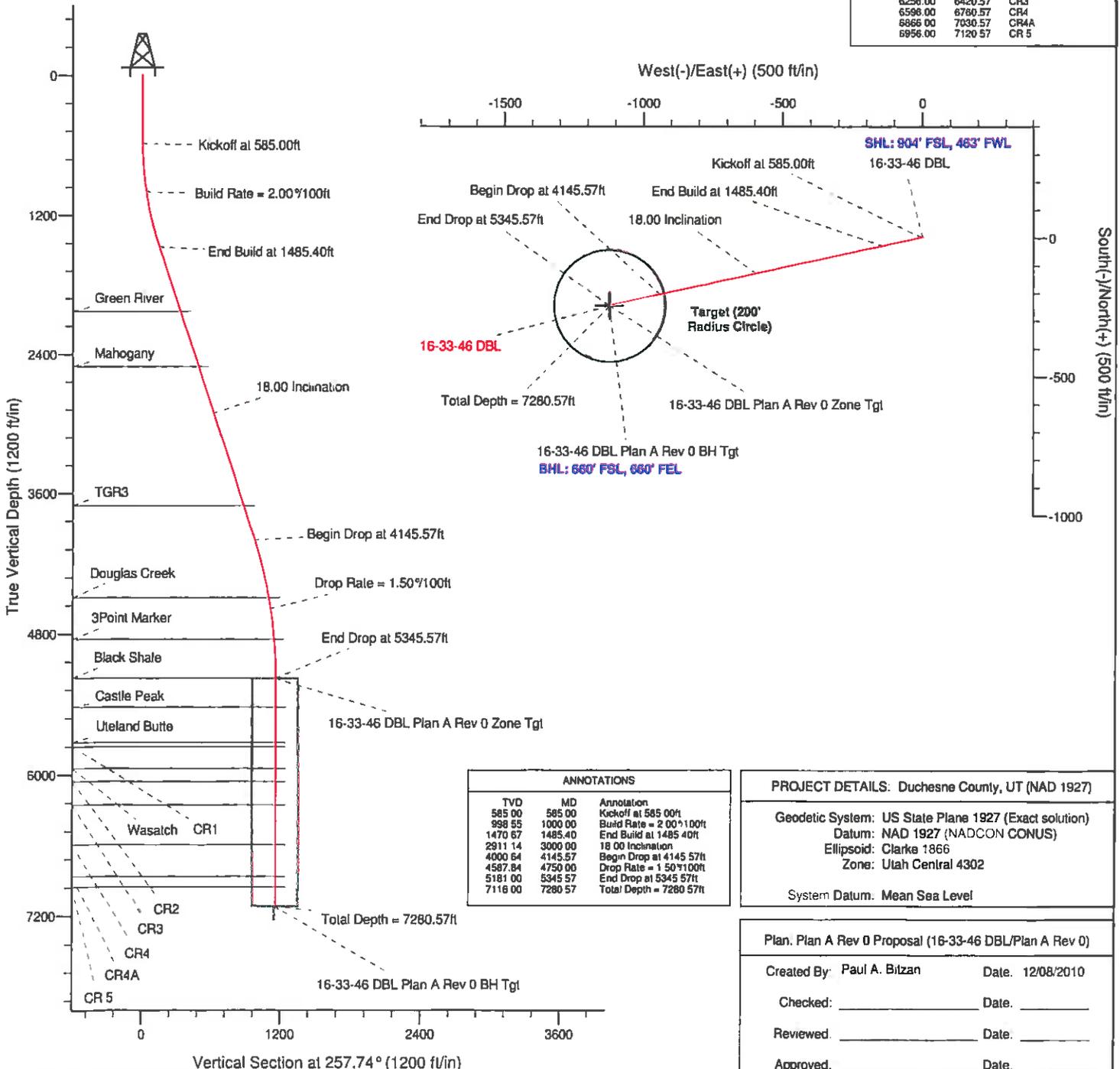
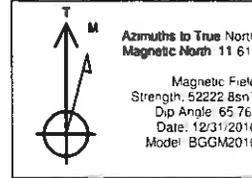
Ground Level: 7391.00			
Northing	Easting	Latitude	Longitude
639408.70	2264071.32	40° 5' 6" 100 N	110° 33' 22.270 W

WELLBORE TARGET DETAILS

Name	TVD	+N/S	+E/W	Shape
16-33-46 DBL Plan A Rev 0 Zone Tgt	5181.00	-244.00	-1123.00	Circle (Radius: 200.00)
16-33-46 DBL Plan A Rev 0 BH Tgt	7116.00	-244.00	-1123.00	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2031.00	2074.57	Green River
2506.00	2574.01	Mahogany
3706.00	3835.77	TGR3
4481.00	4851.76	Douglas Creek
4848.00	5010.14	3Point Marker
5181.00	5345.57	Black Shale
5426.00	5590.57	Castle Peak
5726.00	5890.57	Uteland Butte
5761.00	5925.57	CR1
5948.00	6110.57	Wasatch
6058.00	6220.57	CR2
6256.00	6420.57	CR3
6596.00	6780.57	CR4
6866.00	7030.57	CR4A
6956.00	7120.57	CR5



**EASEMENT LEASE AGREEMENT
BILL BARRETT CORPORATION
FOR WELLSITES #5-34-46 DLB, #14-34-46 DLB, #16-33-46 DLB
and their Supporting Roads and Pipelines
SKITZY UNIT OF INDIAN CANYON WILDLIFE MANAGEMENT AREA**

UDWR Easement Lease No. DUC-1002EA-122

THIS NON-EXCLUSIVE EASEMENT LEASE AGREEMENT (“**Agreement**”) is made by and between the **Utah Division of Wildlife Resources** whose address is 1594 West North Temple, Suite 2110, Salt Lake City, Utah 84114-6301 (hereafter “**Surface Owner**”) and **Bill Barrett Corporation**, whose address is 1099 18th Street, Suite 2300, Denver, Colorado 80202 (hereafter “**BBC**”). Surface Owner and BBC are collectively referred to as “**the Parties**”. “Easement Lease” means the lease of an easement or right-of-way, for which the purpose, specific use, rights granted, location, term, fees, and other conditions are set forth herein.

EXHIBITS

A.1	Legal Descriptions of Wellsite, Access Road and Pipeline Centerlines for Wellsite #5-34-46 DLB
A.2	Depiction of #5-34-46 DLB Wellsite and Access Road
A.3	Depiction of Pipeline for #5-34-46 DLB Wellsite
B.1	Legal Descriptions of Wellsite, Access Road and Pipeline Centerlines for Wellsite #14-34-46 DLB
B.2	Depiction of #14-34-46 DLB Wellsite and Access Road
B.3	Depiction of Pipeline for #14-34-46 DLB Wellsite
C.1	Legal Descriptions of Wellsite, Access Road and Pipeline Centerlines for Wellsite #16-33-46 DLB
C.2	Depiction of #16-33-46 DLB Wellsite and Access Road
C.3	Depiction of Pipeline for #16-33-46 DLB Wellsite
D	Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development Project Area Duchesne County, Utah
E	Reclamation Bond Number LPM9002033
F	Cooperative Agreement, Mitigation Related to Oil and Gas Field Development on the Indian Canyon Wildlife Management Area

SECTION 1 GRANT AND LOCATION OF EASEMENT

1.1 Burdened Property. Surface Owner owns certain real property known to Surface Owner as the Indian Canyon Wildlife Management Area (“**WMA**”). Surface Owner represents that its purposes and uses of owning said WMA is to provide important habitat for wildlife, and to provide wildlife-based recreation for the general public. Surface Owner grants and conveys to BBC a nonexclusive easement lease (“**Easement**”) for three wellsites (“**Wellsites**” or “**Damage Areas**”) and pipelines and access roads associated with those wellsites. The legal descriptions of the road and pipeline centerlines, and of the wellsites, whichever the case may be, of the portions of the WMA to which BBC is hereby granted an Easement are set forth in Exhibits A.1, B.1, and C.1, said property hereafter referred to as “**Burdened Property**” and approximately depicted in Exhibits A.2, A.3, B.2, B.3, C.2 and C.3. BBC shall have a 50-foot wide easement, 25 feet on either side of the pipeline centerlines described respectively in Exhibits A.1, B.1, and C.1 during the construction of the respective pipelines, thereafter to be reduced to a 30-foot width, 15 feet

on either side of the respective centerlines. Access roads shall be of a width of 30 feet, 15 feet on either side of the centerline described in Exhibit A.1, B.1, and C.1.

- 1.2 Right of Third Parties.** This Easement is subject to all valid interests of third parties. Surface Owner claims title in fee simple, but does not warrant to BBC the validity of title to the Burdened Property. BBC shall have no claim for damages or refund against Surface Owner for any claimed failure or deficiency of Surface Owner's title to said lands, or for interference by any third party.
- 1.3 Surveys, Maps, and Plans.** In executing this Agreement, Surface Owner is relying upon the surveys, plats, diagrams, and/or legal descriptions provided by BBC. BBC is not relying upon, and Surface Owner is not making any representations about any surveys, plats, diagrams, and/or legal descriptions provided by Surface Owner.
- 1.4 Headings.** The Headings in this Agreement are for convenience only and are not intended to, and shall not be construed to, limit, enlarge, or affect the scope or intent of this Easement nor the meaning of any of its provisions.

SECTION 2 PURPOSE AND SCOPE OF EASEMENT

- 2.1 Purpose.** This Easement is granted for the purpose of ingress and egress for the construction, installation, operation, maintenance, repair, and replacement as necessary of drill pads, pipelines and access roads, subject to and in accordance with the restrictions and conditions set forth herein, in support of BBC's oil and gas operations on the Burdened Property, and for no other purpose. BBC agrees that it shall not remove from Surface Owner's property ordinary sand and gravel or wood products of any kind without the appropriate permit or other written authorization from Surface Owner. Any unauthorized use of the Burdened Property shall be considered a material breach of this Agreement.
- 2.2 Number and Kind of Infrastructure.** Under this Agreement, BBC shall have the right to construct, maintain and repair three (3) buried pipelines, not to exceed Twenty-Five (25) inches in diameter, per Wellsite, in the pipeline easement corridors described in Exhibit A.1, B.1, and C.1.

No other difference in the number, kind, or size of permanent structures to be constructed on the Burdened Property shall be allowed from that set forth in this Agreement, except production facilities, storage tanks, and such equipment deemed necessary by BBC for the production of the wells located on the Burdened Property, said production facilities, storage tanks, and such equipment to be located on the Damage Areas. Paving of any road is expressly prohibited.

- 2.3 Exclusivity.** It is expressly understood and agreed that the right herein granted is non-exclusive. Surface Owner hereby reserves the right to issue other non-exclusive easements, leases, or permits on or across the Burdened Property where such uses are appropriate and compatible; or dispose of the property by sale or exchange.
- 2.4 Permittees.** BBC may permit its respective employees, agents, contractors, licensees, herein individually referred to as "Permittee" and collectively referred to as "Permittees", to exercise the rights granted herein. Acts or omissions of the Permittees operating under this Easement shall be deemed an act of BBC.
- 2.5 Seasonal Restrictions.**
 - (a) BBC shall be allowed to engage in construction activities on the Burdened Property including and between the dates of ~~November 30~~ **December 1** to April 15 ("Seasonal Closure"), subject to the Cooperative Agreement set forth in Exhibit F. BBC shall have the right to enter the Burdened Property during Seasonal Closure for service, maintenance and repair of its production facilities and the wells to the extent that such service, maintenance and repair could not have reasonably been anticipated or could not reasonably be scheduled for dates outside Seasonal Closure.

(b) BBC shall have the right to enter the Burdened Property at any time for emergency activities to prevent environmental damage. BBC shall notify Surface Owner of such emergency activities in accordance with Section 5 of this Agreement.

(c) The Parties agree that, except for emergency activities described in Subsection 2.5(b), should activities for major construction or major maintenance or repair projects during Seasonal Closure be desired by BBC, the Parties shall consult in good faith to determine how such activities might be accomplished without undue harm to wildlife.

(d) The Parties agree that should extraordinary circumstances arise, including extraordinarily inclemental weather, during Seasonal Closure wherein activities permitted under this Agreement would result in significant harm or stress to or for wildlife, the Parties shall consult in good faith to determine how that significant harm or stress might be avoided.

(e) The Parties agree that should information pertaining to wildlife or vegetation become known to either one or both the Parties, and which would be useful in preventing harm to wildlife or vegetation, the Parties shall consult in good faith to determine how activities allowed under this Agreement might be modified, to the extent the Parties might agree at that time.

(f) As described in Section 5 of this Agreement, BBC shall notify Surface Owner of BBC's activities in some circumstances.

SECTION 3 TERM AND RENEWAL

3.1 Term Defined. The term of this Easement is thirty (30) years ("Term"), commencing on the date of the last signature affixed to this Agreement, unless earlier terminated, subject to the terms and conditions set forth in this Agreement, and any valid and exiting rights.

3.2 Renewal of the Easement. BBC shall have the option to renew this Easement and BBC may exercise this option by providing written notice of its election to renew at any time within six (6) months but not later than (30) days prior to the Termination Date of the Initial Term of this Easement. BBC shall not be entitled to renew if it is in default under the terms of this Easement or other agreement with Surface Owner at the time the option to renew is exercised. The terms and conditions of any renewal Term shall be re-negotiated under the conditions, rules and laws in effect at the time of renewal. The Parties shall have sixty (60) days to come to agreement on the conditions and value of the easement after Surface Owner's receipt of BBC's notice of intent to renew. After the aforementioned six-month period, BBC's option to renew shall be null and void and the Easement shall terminate at the conclusion of this Agreement's Term.

SECTION 4 RENT/ PAYMENTS

All payments are final. There shall be no pro-rata reimbursement of any payments hereunder should the Easement outlined under this Agreement terminate before its Term has lapsed.

4.1 Rental Payment. BBC shall pay a single use payment for the initial Term in the amount of **Twenty-two Thousand Four Hundred Twenty-seven and Sixty-one One Hundredths Dollars** (\$21,908.93 in Right-of-Way fees, plus \$518.68 in Administrative Cost Recovery). Payment is due when BBC returns this Agreement to Surface Owner appropriately signed and notarized. Surface Owner shall be entitled to additional compensation for any additional Use or User outside the scope of this Easement. Use or User shall not be construed to include affiliates or joint venturers of BBC so long as the Use or User remains within the scope of this Easement. For purposes of this Agreement,

(a) "affiliate" means any entity under common control with BBC, or under control of BBC. Control for purposes of this Agreement means 80% or more of the voting interests of the entity being held by the controlling entity.

(b) "joint venturer" means a party to an operating agreement, including pooled parties pursuant to state regulations, with respect to a wellsite or pipeline located on the Burdened Property.

- 4.2 Administrative Costs.** In approving a request to apportion, assign, or transfer an interest in this Easement, Surface Owner shall be entitled to charge for administrative costs for approving the transfer.
- 4.3 Non-Waiver.** Surface Owner's acceptance of a payment shall not be construed to be a waiver of any preceding or existing breach other than the failure to pay the particular payment that was accepted.

SECTION 5 NOTIFICATION OF ACTIVITIES

- 5.1** All notifications shall reference the Easement number and the location of BBC's activity. Notification of activities covered under this Section shall be deemed sufficient if made solely to Surface Owner's Northeastern Region Habitat Manager or Petroleum Biologist. The respective time periods required between notification and commencement of activities covered under this Section may be waived in writing, which may include email, by Surface Owner's Northeastern Region Supervisor, Habitat Manager or Petroleum Biologist.
- 5.2** BBC shall notify Surface Owner:
- (a) at least Twenty-Four (24) hours prior to any major repair contemplated in Subsection 2.5(a) of BBC's facilities during Seasonal Closure, if such repair requires the use of heavy equipment such as backhoes or other mechanized earth-moving equipment, heavy boom trucks, or cranes.
- (b) within five (5) business days after the start of emergency activities during Seasonal Closure, said activities contemplated in Subsection 2.5(b).
- 5.3** Regardless of Seasonal Closure restrictions, BBC shall notify Surface Owner at least three (3) days prior to excavation of any previously reclaimed site, except in cases where such excavation takes place as a result of emergency activities contemplated in Subsection 2.5(b), in which case notification shall take place within five (5) days after the start of emergency activities.
- 5.4** Should future conditions be such that Surface Owner determines there is little wildlife-monitoring value facilitated by BBC's prior notification, the Parties may amend this Agreement and terminate the prior notification requirements of this Section, to the extent the Parties may mutually agree in writing at the time.

SECTION 6 CONSTRUCTION, MAINTENANCE AND REPAIR OF EASEMENT AND IMPROVEMENTS AND TRADE FIXTURES

- 6.1 BBC's Activities.** BBC shall conduct its construction, maintenance and repair operations in accordance with the Surface Use Plan attached as Exhibit D; however, should any provisions of the Surface Use Plan conflict with any provision set forth in the body of this Agreement, the provision in the body of this Agreement shall govern. BBC shall promptly repair, at its sole cost, all damages to the Burdened Property, and to any improvements, or natural resources such as soil or vegetation resources, thereon which are caused by BBC's activities. BBC shall take all reasonable precautions to protect the Burdened Property and any improvements thereon. Any damage to natural resources which are excessive or unnecessary shall be paid to Surface Owner at a price or cost determined by bids or estimates of the cost of repair. All work performed by BBC shall be completed in a careful and workman-like manner to Surface Owner's satisfaction, free of any claims or liens. Upon completion of any work performed by BBC, BBC shall remove all debris and restore the Burdened Property, as nearly as practicable, to the condition it was in prior to commencement of the work. BBC shall notify Surface Owner in writing within five (5) days after completion of work, to allow Surface Owner to inspect the work.

- 6.2 Waste.** BBC shall commit no waste on the Burdened Property and will make reasonable efforts to keep the property clean. BBC shall not cause any filling activity on the Burdened Property. This prohibition includes any deposit of rock, earth, ballast, refuse, garbage, waste matter (including chemical, biological or toxic wastes), hydrocarbons, any other pollutants, or other matter in or on the Burdened Property, except as provided under this Agreement or approved in writing by Surface Owner. Ordinary waste committed by third parties on the Burdened Property shall be removed by BBC, at BBC's cost. If BBC fails to comply with this Subsection, Surface Owner may take any steps reasonably necessary to remedy such failure, subject to the notice and right to cure provisions of Section 11. Upon demand by Surface Owner, BBC shall pay all costs of such remedial action, including, but not limited to the costs of removing and disposing of any material deposited improperly on the Burdened Property. This section shall not in any way limit BBC liability under Section 9, below.
- 6.3 Weed Control.** BBC shall monitor the Burdened Property for noxious weeds, and shall promptly eradicate, at BBC's own cost, all noxious weeds on the Burdened Property. BBC shall also control at its own cost any infestation that has spread beyond the boundaries of the Burdened Property if such infestation is reasonably deemed by Surface Owner to have originated on, and spread from, the Burdened Property as evidenced by weed colonization on the Burdened Property and patterns of weed colonization local to the Burdened Property. Such weed control shall comply with the Utah Noxious Weed Act, any Administrative Rules promulgated therefrom, and County noxious weed control programs. BBC shall consult with Surface Owner regarding BBC's control of noxious weeds on the Burdened Property. All methods of chemical weed control shall require prior review and approval of Surface Owner prior to BBC implementing said chemical control. No aerial spraying without prior approval by Surface Owner is permitted. All earth-moving equipment shall be thoroughly cleaned of soil and other materials that may harbor noxious weed seeds prior to being moved onto Surface Owner's property. If BBC fails to take action to control noxious weeds within five (5) days following notice from Surface Owner, Surface Owner may undertake control measures, and BBC shall reimburse Surface Owner upon demand for all costs incurred in implementing such measures. BBC will continue to be responsible for noxious weed control on the Burdened Property after termination of the Easement until Surface Owner is satisfied with the results and has in written notification released BBC from its weed control obligations, which notification shall not be unreasonably withheld.
- 6.4 Installation Specifications.** Where improvements are buried, they shall be buried at a minimum depth of three (3) feet below the surface of the Burdened Property. For installations within roadways, the improvements shall be buried at a minimum depth of three (3) feet below the road surface or three (3) feet below the bottom of the ditch, whichever applies. Surface Owner reserves the right to inspect the open trench during construction to ensure compliance with the installation specifications.
- 6.5 Pre-construction.** Forty-Eight (48) hours prior to commencement of the activities associated with installation of the facilities within the Easement granted herein, BBC shall notify Surface Owner's Appropriate Regional Habitat Manager to advise of the activities that will occur and an estimated time frame for said activities as depicted on the relevant Exhibit describing said construction on the Burdened Property. Thirty (30) days prior to any subsequent construction or reconstruction by BBC on the Burdened Property, BBC shall submit a written plan of construction to Surface Owner's Appropriate Regional Habitat Manager outlining the construction or activity for Surface Owner's approval. During the course of construction operations, or maintenance, BBC shall minimize soil erosion and damage to soil. BBC will not remove any timber or other valuable materials, including, but not limited to, those materials identified or sold as valuable materials, from the Burdened Property until BBC has received the appropriate permits or other written approval from Surface Owner to remove such valuable materials and has made provisions to compensate Surface Owner for the value of the valuable materials.
- 6.6 Road Maintenance.** Maintenance is defined as work normally necessary to preserve and keep the road in satisfactory and functional repair.

(a) BBC herein is responsible for maintaining any roads on Surface Owner's property used in conjunction with this Agreement; however, the cost of performance of road maintenance and resurfacing shall be allocated on the basis of respective users of said roads. Where one or more authorized party(ies) uses a road, or portion thereof, those parties shall perform or cause to be performed, or contribute or cause to be contributed, that share of maintenance and resurfacing occasioned by such use as hereinafter provided. During periods when a road is being used solely by one party, such party shall maintain that portion of said road so used to the standards equal to or better than those existing at the time use is commenced; provided Surface Owner reserves the right to make reasonable regulations concerning priority of use and maintenance of said roads by it and others.

(b) During periods when more than one party is using the same road, or any portion thereof, the parties hereto shall meet and establish necessary maintenance provisions. Such provisions shall include, but shall not be limited to:

(1) The appointment of a maintainer, which may be one of the Parties hereto or any third party, who will perform or cause to be performed at a reasonable and agreed upon rate the maintenance and resurfacing of the road or the portion thereof being used; and

(2) A method of payment by which each party using said road or a portion thereof, shall pay its pro rata share of the cost incurred by said maintainer in maintaining or surfacing said road or portion thereof.

6.7 Road Repair. BBC shall repair or cause to be repaired at its sole cost and expense that damage to roads used under this Easement in excess of that caused by normal and prudent usage of said roads. Should damage be caused by an unauthorized user, the cost of repair shall be treated as ordinary maintenance and handled as set forth above. BBC may add or replace gravel on road surfaces on the Burdened Property, but shall not pave any portion of the road without Surface Owner's written consent.

6.8 Road Restoration. If BBC fouls the surfacing by dragging earth from sides or other sources across the road and onto the surface portion of the road, BBC shall resurface that portion so affected at its sole cost and expense. Where the Easement crosses existing roads, BBC shall restore roads as near as practicable to their original condition, if any damage occurs to those roads during BBC's use of this Easement.

6.9 Road Improvements. Unless the Parties agree in writing to share the cost of improvements, improvements shall be at the sole expense of the improver.

6.10 Road Relocation. Surface Owner may request the relocation of a road in order to protect wildlife, soil, or vegetation resources or minimize damage thereto, so long as the new location does not unreasonably interfere with BBC's rights herein. The costs of such relocation shall be divided as negotiated and agreed by the Parties.

6.11 Resource Damage. BBC shall take all reasonable precautions to protect Surface Owner-owned crops and trees. BBC shall report to Surface Owner any visible resource damage, illegal dumping, or any other change in condition on the Burdened Property that is observed from BBC's observations of the Easement.

SECTION 7 INTERFERENCE

BBC shall exercise its rights under this Agreement so as not to unreasonably interfere with Surface Owner's use of the Burdened Property or with the public's ability to use Surface Owner's lands for purposes of lawful recreation, except during periods of construction of BBC's facilities. Any improvements and trade fixtures constructed by BBC on the Burdened Property shall be placed and constructed so as to allow reasonably unobstructed movement over and across the Burdened Property.

SECTION 8 COMPLIANCE WITH LAWS

BBC shall comply with all applicable laws, including all Surface Owner's rules and regulations, and state, county and municipal laws, ordinances, or regulations in effect. BBC shall obtain and be in possession of all permits and licenses required for the authorized use of the Easement and shall provide proof of such permits/licenses upon request by Surface Owner.

SECTION 9 ENVIRONMENTAL LIABILITY/RISK ALLOCATION

- 9.1 Definition.** "Hazardous Substance" means any substance which now or in the future becomes regulated or defined under any federal, state, or local statute, ordinance, rule, regulation, or other law relating to human health, environmental protection, contamination or cleanup, including, but not limited to, the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA"), 42 U.S.C. 9601 et seq.
- 9.2 Use of Hazardous Substances.** BBC covenants and agrees that Hazardous Substances will not be used, stored, generated, processed, transported, handled, released, or disposed of in, on, under, or above the Burdened Property, except in accordance with all applicable local, state, and federal laws.
- 9.3 Current Conditions, Duty of Utmost Care, and Duty to Investigate.**
- (a) Surface Owner makes no representation about the condition of the Burdened Property. Hazardous Substances may exist in, on, under, or above the Burdened Property.
- (b) Lessee shall exercise the utmost care with respect to both Hazardous Substances in, on, under, or above the Burdened Property, and any Hazardous Substances that come to be located in, on, under or above the Burdened Property during the Term of this agreement, along with the reasonably foreseeable acts or omissions of third parties affecting those Hazardous Substances, and the reasonably foreseeable consequences of those acts or omissions. The obligation to exercise utmost care under this Subsection 9.3 includes, but is not limited to, the following requirements:
- (1) Lessee shall not undertake activities that will cause, contribute to, or exacerbate contamination of the Burdened Property;
 - (2) Lessee shall not undertake activities that damage or interfere with the operation of remedial or restoration activities on the Burdened Property;
 - (3) Lessee shall not undertake any activities that result in the mechanical or chemical disturbance of Burdened Property habitat mitigation, except as reasonably necessary for Lessee's use and occupancy of the Burdened Property, and in such instances will notify Surface Owner prior to undertaking such activities; and
 - (4) Lessee shall allow access to the Burdened Property by employees and authorized agents of the Environmental Protection Agency, the State of Utah or other similar environmental agencies.
- (c) It shall be Lessee's obligation to gather sufficient information to its satisfaction concerning the Burdened Property and the existence, scope and location of any Hazardous Substances on the Burdened Property, or on adjoining property (to the extent reasonably discoverable or ascertainable), as required for Lessee to effectively meet its obligations to comply with all applicable laws regarding such Hazardous Substances.

9.4 Notification and Reporting.

(a) BBC shall immediately notify Surface Owner if BBC becomes aware of any of the following:

- (1) A release or threatened release of Hazardous Substances in, on, under or above the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property;
- (2) Any actual or alleged violation of any federal, state, or local statute, ordinance, rule, regulation, or other law pertaining to Hazardous Substances with respect to the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property, in the event BBC observes or is notified of such violations;
- (3) Any lien or action with respect to any of the foregoing; or,
- (4) Any notification from the U.S. Environmental Protection Agency (EPA) or the State of Utah that remediation or removal of Hazardous Substances is or may be required at the Burdened Property.

(b) BBC shall, at Surface Owner's request, provide Surface Owner with copies of all reports, studies, or audits which pertain to the Burdened Property, and which are or were prepared by or for BBC and submitted to any federal, State, or local authorities as required by any federal, State, or local permit, license, or law. These reports or permits may include, but are not limited to, any National or State Pollution Discharge Elimination System Permit, any Army Corps of Engineers permit, any Hydraulics Project Approval or any Water Quality Certification.

9.5 Indemnification. BBC shall fully indemnify, defend, and hold Surface Owner, its director, managers, employees and agents harmless from and against any and all claims, demands, damages, damages to natural resources such as soil, water, vegetation, and wildlife, response costs, remedial costs, cleanup costs, losses, liens, liabilities, penalties, fines, lawsuits, other proceedings, costs, and expenses (including attorney's fees and disbursements), that arise out of or are in any way related to:

(a) The use, storage, generation, processing, transportation, handling, or disposal of any Hazardous Substance by BBC, its contractors, agents, employees, guests, invitees, or affiliates in, on, under, or above the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property, during the term of this Easement or during any time when BBC occupies or occupied the Property.

(b) The release or threatened release of any Hazardous Substance in, on, under, or above the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property, which release or threatened release occurs or occurred during the term of this Easement or during any time when BBC occupies or occupied the Burdened Property or any such other property and as a result of:

- (1) Any act or omission of BBC, its sub-lessees, contractors, agents, employees, guests, invitees, or affiliates; or,
- (2) Any reasonably foreseeable act or omission of a third party unless BBC exercised the utmost care with respect to the reasonably foreseeable acts or omissions of the third party and the reasonably foreseeable consequences of those acts or omissions: or

(c) A breach of the obligations of Subsection 9.3, above, by BBC, its sub-lessees, contractors, agents, employees, guests, invitees, or affiliates.

9.6 Cleanup. If a release of Hazardous Substances occurs in, on, under, or above the Burdened Property or other Surface Owner-owned property arising out of any action, inaction, or event described or referred to in Subsection 9.5 above, BBC shall, at its sole expense, promptly take all actions necessary or advisable to clean up the Hazardous Substances. Cleanup actions shall include, without limitation, resource restoration, mitigation, removal, containment and remedial actions and shall be performed in accordance with all applicable laws, rules, ordinances, and permits. BBC's obligation to undertake a cleanup of the Burdened Property under this Subsection 9.6 shall be limited to those instances where the Hazardous Substances exist in amounts that exceed the threshold limits of any applicable federal, state and local regulatory cleanup standards, or where it is determined that there will be continuing damages to natural resources in the absence of a cleanup action. BBC shall also be solely responsible for all cleanup, administrative, and enforcement costs of governmental agencies, including natural resource damage claims arising out of any action, inaction, or event described or referred to in Subsection 9.5, above. BBC may take reasonable and appropriate actions without advance approval in emergency situations.

9.7 Sampling by Surface Owner, Reimbursement, and Split Samples.

(a) Surface Owner may conduct sampling, tests, audits, surveys or investigations ("Tests") of the Burdened Property at any time to determine the existence, scope, or effects of Hazardous Substances on the Burdened Property, any adjoining property, or any other property subject to use by BBC in conjunction with its use of the Burdened Property. If such Tests indicate the existence, release or threatened release of Hazardous Substances arising out of any action, inaction, or event described or referred to in Subsection 9.5, above, BBC shall promptly reimburse Surface Owner for all costs associated with such Tests.

(b) Surface Owner's ability to seek reimbursement for any Tests under this Subsection shall be conditioned upon Surface Owner providing BBC written notice of its intent to conduct any Tests at least thirty (30) calendar days prior to undertaking such Tests, unless such Tests are performed in response to an emergency situation in which case Surface Owner shall only be required to give such notice as is reasonably practical.

(c) BBC shall be entitled to split samples of any Test samples obtained by Surface Owner. The additional cost of any split samples shall be borne solely by BBC. Any additional costs Surface Owner incurs by virtue of BBC's split sampling shall be reimbursed to Surface Owner within thirty (30) calendar days after a bill for such costs is sent to BBC.

9.8 Contamination Investigation.

(a) If Surface Owner has reason to believe that a release or threatened release of Hazardous Substances has occurred on the Burdened Property during BBC's occupancy, Surface Owner may require BBC to conduct a Closeout Environmental Assessment (Closeout Assessment) by providing BBC with written notice of this requirement no later than ninety (90) calendar days prior to the Easement termination date, or within ninety (90) days of any valid notice to terminate the easement earlier than originally agreed. The purpose of the Closeout Assessment shall be to determine the existence, scope, or effects of any Hazardous Substances on the Burdened Property and any associated natural resources. If the initial results of the Closeout Assessment disclose the existence of Hazardous Substances that may have migrated to other property, Surface Owner may require additional Closeout Assessment work to determine the existence, scope, and effect of any Hazardous Substances on adjoining property, any other property subject to use by BBC in conjunction with its use of the Burdened Property, or on any associated natural resources. The Closeout Assessment may include Sediment Sampling as well as any additional testing requirements Surface Owner may require based on changes in scientific, statutory, or regulatory standards for information concerning the activities of BBC, its contractors, agents, employees, guests, invitees, or affiliates.

(b) Prior to undertaking the Closeout Assessment, BBC shall submit a proposed plan in writing for Surface Owner's approval. The plan shall be provided to Surface Owner

within thirty (30) days of Surface Owner's notice requiring the Closeout Assessment. If Surface Owner fails to respond in writing, either approving or disapproving of the proposed plan, within thirty (30) days of its receipt, the proposed plan shall be deemed approved. BBC shall be responsible for all costs required to complete planning, sampling, analyzing, and reporting associated with the Closeout Assessment.

9.9 Reservation of Rights. The Parties have agreed to allocate certain environmental liabilities by the terms of Section 9. With respect to those environmental liabilities covered by the indemnification provisions of Subsection 9.5, that subsection shall exclusively govern the allocation of those liabilities. With respect to any environmental liabilities not covered by Subsection 9.5, the Parties expressly reserve and do not waive or relinquish any rights, claims, immunities, causes of action or defenses relating to the presence, release, or threatened release of Hazardous Substances in, on, under or above the Burdened Property, any adjoining property or any other property subject to use by BBC in conjunction with its use of the Burdened Property that either Party may have against the other under federal, state or local laws, including but not limited to, CERCLA, MTCA, and the common law. No right, claim, immunity, or defense either party may have against third parties is affected by this Easement and the Parties expressly reserve all such rights, claims, immunities, and defenses. The allocations of risks, liabilities, and responsibilities set forth above do not release BBC from or affect BBC's liability for claims or actions by federal, state, or local regulatory agencies concerning Hazardous Substances.

9.10 Impacts to Wildlife. BBC, its employees, contractors, successors and assigns shall make reasonable and good faith efforts to protect any legally protected wildlife to the best of their knowledge and ability. BBC shall report to Surface Owner any harm, threats to harm or harass any legally protected wildlife should BBC become aware of such harm or threats to harm or harass legally protected wildlife in the ordinary course of its operations on the Burdened Property.

SECTION 10 PRESERVATION OF SURVEY CORNERS

BBC shall exercise reasonable care to ensure that all legal land subdivision survey corners and witness objects are preserved. If any survey corners or witness objects are destroyed or disturbed by BBC, BBC shall reestablish them by a registered professional engineer or licensed land surveyor in accordance with US General Land Office standards, at BBC's own expense. Corners and/or witness objects that must necessarily be disturbed or destroyed in the process of construction of improvements and trade fixtures must be adequately referenced and/or replaced in accordance with all applicable laws and regulations in force at the time. The references must be approved by Surface Owner prior to removal of the survey corners and/or witness objects.

SECTION 11 TERMINATION OF EASEMENT

11.1 Termination for Cause. This Easement shall terminate if BBC receives notice from Surface Owner that BBC is in material breach of this Easement and BBC fails to cure that breach within ninety (90) days of Surface Owner's notice, or such longer period as may be required under the circumstances as approved by Surface Owner. If the breaching party fails to correct such breach or fails to diligently undertake efforts to cure such breach within such period, Surface Owner may terminate this Easement without further notice; provided, however, such termination shall not release the breaching party from liability for damage prior to such termination. In addition to terminating this Easement, Surface Owner shall have any other remedy available to it. Surface Owner's failure to exercise its right to terminate at any time shall not waive Surface Owner's right to terminate for any future breach.

11.2 Termination for Non-Use.

(a) BBC shall submit to Surface Owner a summary report of BBC's use of the Easement within thirty (30) days of the first anniversary of this Agreement, and an annual report thereafter, along with a fee of One Hundred Dollars (\$100) for Surface Owner's administration of this Easement; Surface Owner reserves the right to recoup from BBC

additional reasonable administrative costs if Surface Owner's costs are significantly in excess of One Hundred Dollars (\$100).

(b) Any portion of the Easement that is determined to be unused or abandoned pursuant to this paragraph shall terminate. BBC shall upon request of Surface Owner execute a release of interest in the portion abandoned under the provisions of this Section. Under the non-use clause, BBC shall be responsible for surface reclamation and restoration of the Burdened Property in accordance with Section 12 of this Agreement. Any portion of this Easement that is so described by the following conditions shall be deemed to be unused and abandoned:

(1) Within 365 days of the date of execution of this Agreement, BBC fails to commence construction and installation of the infrastructure authorized under this Easement, unless otherwise waived by Surface Owner in writing;

(2) Within two (2) years of the date of execution of this Agreement, BBC does not obtain production of oil or gas from BBC's oil and gas interests which relate to the Burdened Property, unless otherwise waived by Surface Owner in writing; or

(3) If after establishing production, BBC suspends production or operations for the drilling or reworking of a well on BBC's oil and gas interests for a period longer than thirty-six (36) consecutive months, unless otherwise waived by Surface Owner in writing.

11.3 Voluntary Termination. This Easement may also terminate as to all or part of the Burdened Property if BBC has satisfied its outstanding obligations as to the part to be relinquished, provides Surface Owner with sixty (60) days written notice of its intent to terminate, and executes a release of interest to the portion terminated in recordable form. BBC shall not be entitled to a refund for any relinquishment.

11.4 BBC's Obligations. BBC obligations not fully performed upon termination shall continue until fully performed.

SECTION 12. RECLAMATION

12.1 Timing. As soon as practicable, following the construction of improvements and trade fixtures, or termination of the Easement, all disturbed land, other than access road driving surfaces for those portions of the Easement not terminated, will be recontoured to the approximate natural contours.

12.2 Soil. During construction of wellsites, access roads, and pipelines, any and all topsoil moved or removed will be stockpiled and preserved for present and future project area restoration. Soil from the right of way shall not enter any live stream or open water.

12.3 Revegetation. BBC will re-establish a successful vegetation cover by reseeding with a seed mixture of shrubs, forbs, and grasses, as specified by Surface Owner. BBC will not be released from this obligation until Surface Owner has inspected the site for two (2) years following construction and reclamation, and has made a determination that the re-vegetation is successful, or such time thereafter until re-vegetation has become successful.

12.4 Unauthorized Travel. In consultation with Surface Owner, BBC will undertake reasonable measures, including the placement of signage, cattle guards, trenches, barrier rock or other obstacles, to restrict unauthorized motorized travel, including that of third parties, on or across the Burdened Property. If such measures are not effective in controlling unauthorized motorized travel, BBC will consult with Surface Owner on additional measures that may be required to restrict such unauthorized motorized travel on the Burdened Property.

12.5 Failure to Reclaim. Surface Owner shall have the right, subject to at least sixty (60) days prior notice and a right to cure, to use funds from BBC's surety bond to complete reclamation or restoration if BBC fails to do so.

SECTION 13 OWNERSHIP AND REMOVAL OF IMPROVEMENTS, TRADE FIXTURES, AND EQUIPMENT

- 13.1 Improvements.** No BBC -Owned improvements, other than appurtenances for the rights herein granted, shall be placed on the Burdened Property without Surface Owner's prior written consent.
- 13.2 Ownership of Improvements and Trade Fixtures.** Except as provided herein, BBC shall retain ownership of all improvements and trade fixtures it may place on the Burdened Property (collectively "BBC Owned Improvements"). BBC-Owned Improvements shall not include any construction, reconstruction, alteration, or addition to any Unauthorized Improvements as defined in Subsection 13.5 below.
- 13.3 Construction.** Issuance of this Easement shall constitute authorization to undertake the initial construction work specified in that agreement without the need for further notice. Subsequent alterations, significant repairs, or new construction shall require advance notice to Surface Owner as contemplated in Section 5.
- 13.4 Removal.** BBC-Owned improvements and trade fixtures that have been installed above or below ground shall be removed by BBC by the Termination Date unless Surface Owner notifies BBC in writing that such may remain. If Surface Owner elects to have such above ground improvements remain on the Burdened Property after the Termination Date, they shall become the property of Surface Owner without payment by Surface Owner. If BBC wishes to leave improvements on the Burdened Property upon expiration of the Easement, BBC shall notify Surface Owner of such intent at least one hundred eighty (180) days before the Termination Date. Surface Owner shall then have ninety (90) days in which to notify BBC whether Surface Owner elects to have the improvements removed or to have them remain. Failure to notify BBC shall be deemed an election by Surface Owner for the improvements to be removed from the Burdened Property. If the improvements remain on the Burdened Property after the Termination Date without Surface Owner's actual or deemed consent, Surface Owner may remove them at BBC's expense. Surface Owner may require BBC to abandon improvements and/or trade fixtures, rather than remove them. Such abandonment shall be undertaken in accordance with a plan approved by Surface Owner. Abandonment of buried facilities should be performed in accordance with the appropriate regulations and any applicable permits. Should Surface Owner elect to allow any part of BBC's improvements or trade fixtures to remain affixed to the Burdened Property, BBC shall make a diligent and good-faith effort to clean the improvements or trade fixtures using the best industry practices and technologies available at the time, as directed by Surface Owner, in order to minimize as much as reasonably practical, environmental contaminants left on or in the Burdened Property.
- 13.5 Unauthorized Improvements.** Improvements made on the Burdened Property without Surface Owner's prior written consent are not authorized ("Unauthorized Improvements"). Surface Owner may, at its option, require BBC to sever, remove, and dispose of them or allow them to remain upon amendment of this Agreement, at which time all provisions of this Agreement shall apply to the Unauthorized Improvements unless otherwise explicitly stated in the amendment. If BBC fails to remove an Unauthorized Improvement within sixty (60) days of notification by Surface Owner, Surface Owner may remove the Unauthorized Improvements and charge BBC for the cost of removal and disposal.

SECTION 14 INDEMNITY

BBC agrees to protect, indemnify, save and hold harmless Surface Owner, its agents and employees, from and against all claims, demands, damages, and causes of action of every kind or character on account of bodily injuries, death, or damage to property arising because of, for, out of, or in any way connected with the performance of BBC under this Agreement, except where such injury, death, or damage has resulted from the sole negligence of Surface Owner without negligence or willful act on the part of BBC, its agents, employees, or subcontractors. BBC shall defend all suits brought upon such

claims and pay all costs and expenses incidental thereto, but Surface Owner shall have the right, at its option, to participate in the defense incidental thereto without relieving BBC of any obligation hereunder. BBC's liability to Surface Owner for hazardous substances, and its obligation to indemnify, defend, and hold Surface Owner harmless for hazardous substances, shall be governed exclusively by Section 9.

SECTION 15 FINANCIAL SECURITY

15.1 Bonding. At its own expense, BBC shall procure and maintain a non-cancellable corporate surety bond or provide other financial security satisfactory to Surface Owner (the "Bond") in an amount equal to Four Hundred Seventeen Thousand Three Hundred Fifty Dollars (\$417,350.00), said amount equivalent to One-Hundred and Fifty (150%) of the estimated construction costs of the authorized improvements less materials, said estimated costs represented by BBC, to be placed on or in the Burdened Property, which shall secure BBC's full performance of its obligations under this Agreement. The amount of this bond shall not be deemed to limit any liability of BBC. The Bond shall be in a form and issued by a surety company acceptable to Surface Owner. BBC shall maintain the Bond so long as it uses the Easement. The Bond shall be in effect even if BBC has conveyed all or part of the easement interest to a sublessee, assignee, or subsequent operator until BBC fully satisfies its obligations, or until the Bond is replaced with a new bond posted by the sublessee assignee or subsequent operator. Said Bond at the date of execution of this Agreement is issued by Fidelity and Deposit Company of Maryland and is identified as Bond Number LPM9002033 (see Exhibit E).

15.2 Bond Increase. BBC agrees that, for the causes stipulated below, at any time during the term of this Easement, Surface Owner may require that the amount of an existing Bond be increased in a sum described below, said Bond to be conditioned upon full compliance with all terms and conditions of this Agreement and the rules relating hereto.

(a) **Inflation.** Surface Owner has the option of requiring the value of the Bond to be adjusted to compensate for inflationary pressures on the dollar. The amount of adjustment shall be determined through the use of the Bureau of Labor Statistics Western Region Urban Consumer Price Index ("Western Region CPI-U"). Said adjustments shall reference the year 2007 Western Region CPI-U, and shall be directly proportional to the percent change in Western Region CPI-U between the year 2007 and the year preceding the date of adjustment.

(b) **Additional Improvements.** Surface Owner has the option of requiring increases in the Bond value for additional improvements authorized under amendments to this Agreement, the increases to be in an amount equivalent to 150% of the estimated costs of construction of said improvements, less materials.

15.3 Default. Upon any default by BBC in its obligations under this Agreement, Surface Owner may collect on the Bond to offset the liability of BBC to Surface Owner, subject to the notice and right to cure provisions in Sections 11 and 12 herein. Collection on the Bond shall not relieve BBC of liability, shall not limit any of Surface Owner's other remedies, and shall not rein Surface Owner or cure the default or prevent termination of the Easement because of the default. Should the cost of BBC's obligations exceed the value of the Bond, BBC, its successors and assigns, shall be liable for the costs over and above the bonded amount.

SECTION 16 TAXES AND ASSESSMENTS

BBC shall promptly pay all taxes, assessments and other governmental charges of any kind whatsoever levied as a result of this Easement or relating to BBC's improvements and trade fixtures constructed pursuant to this Easement.

SECTION 17 ADVANCES BY SURFACE OWNER

If Surface Owner advances or pays any costs or expenses for or on behalf of BBC, including, but not limited to taxes, assessments, insurance premiums, costs of removal and disposal of unauthorized materials, costs of removal and disposal of improvements

and trade fixtures, or other amounts not paid when due, BBC shall reimburse Surface Owner the amount paid and shall pay interest on such amount at the rate of one percent (1%) per month from the date Surface Owner notifies BBC of the advance or payment.

SECTION 18 NOTICE

Except as provided in Section 5 of this Agreement, any notices required or permitted under this Agreement shall be in writing and personally delivered or mailed by certified mail, return receipt requested, to the following addresses or to such other places as the parties may direct in writing from time to time:

Surface Owner

Habitat Section

Utah Division of Wildlife Resources
1594 West North Temple, Suite 2110
Salt Lake City, Utah 84114-6301
801-538-4712

AND

Habitat Section

Utah Division of Wildlife Resources
152 East 100 North, Suite 9
Vernal, Utah 84078
435-781-5357

BBC

Bill Barrett Corporation
Attn: Huntington T. Walker
Sr. Vice President - Land
1099 18th Street, Suite 2300
Denver, Colorado 80202

A notice shall be deemed given and delivered upon personal delivery, upon receipt of a confirmation report if delivered by facsimile machine, or three (3) days after being mailed as set forth above, whichever is applicable.

SECTION 19 RESERVATIONS

Surface Owner, its successors and assigns, reserves all ownership of the Burdened Property and profits thereon, and the right of use for any and all purposes that do not unreasonably interfere with the rights granted herein, including the right to keep the Burdened Property open for public use for recreation; the right to remove profits from the Burdened Property; the right at all times to cross and recross the Burdened Property at any place on grade or otherwise; and the right to use the Easement for access to and from the lands owned by Surface Owner on both sides of the Easement. Surface Owner may grant to third parties any and all rights reserved. Once BBC clears or removes any vegetation on the Burdened Property as provided in this Agreement, vegetation that is subsequently grown in such cleared areas shall belong to Surface Owner.

SECTION 20 CULTURAL RESOURCES

It is hereby understood and agreed that all treasure-trove, all articles of antiquity, and critical paleontological resources in or upon the Burdened Property or adjacent lands belonging to Surface Owner are and shall remain the property of Surface Owner. BBC agrees that all costs associated with archeological and paleontological investigations on the Burdened Property that may be required by Surface Owner will be borne by BBC. BBC further agrees to cease all activity on the subject lands and immediately notify Surface Owner if any discovery of human remains or a "site" or "specimen," as defined in Section 9-8-302 or 63-73-1 Utah Code Annotated (1953), as amended, is made on the Burdened Property, and continue to cease all construction or maintenance therein until

such time as the human remains, "site" or "specimen" in question has been treated to the satisfaction of Surface Owner.

SECTION 21 ASSIGNMENT

- 21.1 Consent of Surface Owner.** BBC shall not hypothecate, mortgage, assign, transfer or otherwise alienate this Easement, or any interest therein, without the prior written consent of Surface Owner, which shall not be unreasonably withheld. In no case shall such consent operate to relieve BBC of the responsibilities or liabilities assumed by BBC hereunder, or be given unless such party is acceptable to Surface Owner and assumes in writing all of the obligations of BBC under the terms of this Agreement as to the balance of the term thereof, or acquires the rights in trust as security and subject to conditions such as Surface Owner deems necessary. A sublease, conveyance, or assignment must be a sufficient legal instrument, properly executed and acknowledged, and should clearly set forth the easement lease contract number, lands involved, and the name and address of the assignee, and shall include any agreement which transfers control of the Easement to a third party. A copy of the documents subleasing, conveying, or assigning the interest shall be given to Surface Owner prior to Surface Owner's approval or denial of the assignment.
- 21.2 Assignee.** Any assignment shall be in keeping with the purposes of this Easement and may only be made to a party qualified to do business in the State of Utah, and which has authority to operate the said facilities, and which is not in default under the laws of the State of Utah relative to qualification to do business within the State, and is not in default on any previous obligation to Surface Owner.
- 21.3 Costs of Assignment.** A sublease, conveyance, or assignment may not be approved without reimbursement of Surface Owner's administrative costs associated with said sublease, conveyance, or assignment; and payment of the difference between what was originally paid for the permit, lease, or contract and what the division would charge for the permit, lease, or contract at the time the application for sublease, conveyance, or assignment is submitted.
- 21.4 Effective Date of Assignment.** A sublease, conveyance, or assignment shall take effect on the date of Surface Owner's approval of the assignment. On the effective date of any assignment, the assignee is bound by the terms of the lease to the same extent as if the assignee were the original grantee, any conditions in the assignment to the contrary notwithstanding.
- 21.5 Non-Waiver.** The consent of Surface Owner to any one assignment shall not constitute a waiver of Surface Owner's right to consent to subsequent assignments, nor shall consent of Surface Owner to any one assignment relieve any party previously liable as BBC from any obligations under this Agreement. The acceptance by Surface Owner of the payment of rent following an assignment shall not constitute consent to any assignment and Surface Owner's consent shall be evidenced only in writing.

SECTION 22 SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon and inure to the benefit of the parties, their successors and assigns and shall be a covenant running with the land.

SECTION 23 TIME IS OF THE ESSENCE

TIME IS OF THE ESSENCE as to each and every provision of this Agreement.

SECTION 24 RECORDATION

BBC shall record this Agreement or a memorandum documenting the existence and legal description of this Agreement in the counties in which the Burdened Property is located, at BBC's sole expense. The memorandum shall, at a minimum, contain the Burdened Property description, the names of the parties to the Agreement, Surface Owner's easement number, and the duration of the Easement. BBC shall provide Surface Owner a

copy of the public recording, whether this Agreement or the memorandum serving notice of the existence of this Agreement. BBC shall have ninety (90) days from the date of delivery of the final executed Agreement to comply with the requirements of this Section.

SECTION 25 APPLICABLE LAW AND VENUE

This Agreement shall be interpreted and construed in accordance with and shall be subject to the laws of the State of Utah. Any reference to a statute shall mean that statute as presently enacted or hereafter amended or superseded. BBC consents to suit in the courts of the State of Utah in any dispute arising under the terms of this Agreement or as a result of operations carried on under this Agreement. Service of process in any such action is hereby agreed to be sufficient if sent by registered mail to BBC at the last known address of BBC appearing in the records of Surface Owner. BBC agrees for itself and its successors and assigns that any suit brought by BBC, its successors or assigns concerning this Agreement may be maintained only in the Utah State District Court of Salt Lake County. In the event of any litigation arising under this Agreement, the prevailing party shall be entitled to recover its costs and reasonable attorneys' fees incurred in connection with the litigation, including any appeals.

SECTION 26 MODIFICATION

Any modification of this Agreement must be in writing and signed by the parties. Surface Owner or BBC shall not be bound by any oral representations of Surface Owner or BBC. If Surface Owner is the Utah Division of Wildlife Resources, authorized signatures may be provided by only the Director or the Director's designee.

SECTION 27 SURVIVAL

Any obligations, which are not fully performed upon termination of this Easement, shall not cease, but shall continue as obligations until fully performed.

SECTION 28 WAIVER

No Waiver of Conditions by Surface Owner of any default of BBC or failure of Surface Owner to timely enforce any provision of this Agreement shall constitute a waiver of or constitute a bar to subsequent enforcement of the same or other provisions of this Agreement. No provision in this Agreement shall be construed to prevent Surface Owner from exercising any legal or equitable remedy it may have.

SECTION 29 WATER RIGHTS

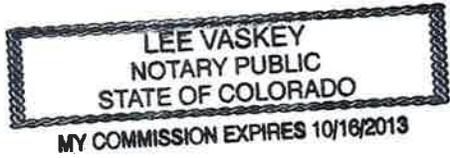
BBC shall not file an application to appropriate water from the surface or subsurface of Surface Owner's lands unless the application is approved by Surface Owner in writing and is filed in the name of the Surface Owner. All water structures, including impoundment, diversion and conveyance structures or works, used to impound, divert or convey water claimed solely under a Surface Owner water right shall be the property of Surface Owner.

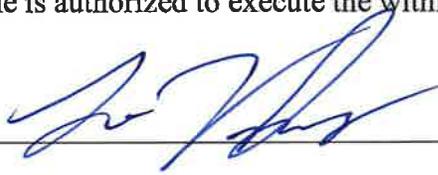
SECTION 30 INVALIDITY

If any provision of this Agreement proves to be invalid, void, or illegal, it shall in no way affect, impair, or invalidate any other provision of this Agreement.

STATE OF COLORADO)
CITY AND) SS.
COUNTY OF DENVER)

On this 21st day of July, 2010, personally appeared before me Huntington T. Walker to me known to be the Sr. Vice President - Land of Bill Barrett Corporation and executed the within and foregoing instrument, and acknowledged that the execution of the document herein was his free and voluntary act and deed, for the uses and purposes therein mentioned, and gave an oath that he is authorized to execute the within instrument for said corporation.





Notary Public for the State of Colorado

Residing at Denver, CO

My commission expires _____

Exhibit A.1

Legal Descriptions of Wellsite (Damage Area), and Access Road and Pipeline Centerlines for Wellsite #5-34-46 DLB

Legal Description of Wellsite #5-34-46 DLB

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M. WHICH BEARS N33°15'02"E 890.43' FROM THE WEST 1/4 CORNER OF SAID SECTION 34, THENCE N19°09'02"W 104.12'; THENCE N70°50'58"E 425.00'; THENCE S19°09'02"E 320.00'; THENCE S70°50'58"W 260.00'; THENCE N77°55'55"W 192.94'; THENCE N19°09'02"W 115.88' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.933 ACRES MORE OR LESS.

Legal Description of Access Road Centerline for Wellsite #5-34-46 DLB

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

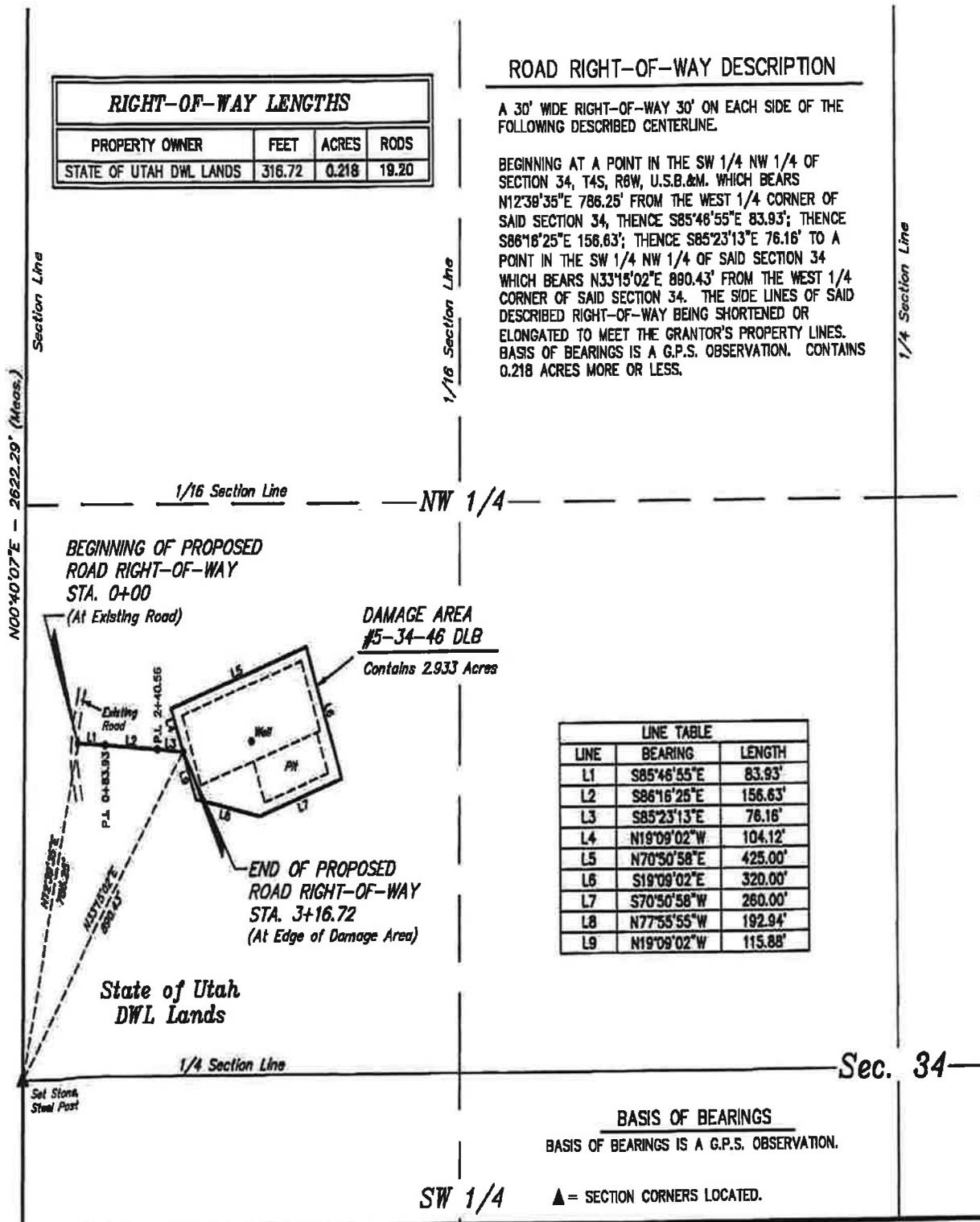
BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M. WHICH BEARS N12°39'35"E 786.25' FROM THE WEST 1/4 CORNER OF SAID SECTION 34, THENCE S85°46'55"E 83.93'; THENCE S86°16'25"E 156.63'; THENCE S85°23'13"E 76.16' TO A POINT IN THE SW 1/4 NW 1/4 OF SAID SECTION 34 WHICH BEARS N33°15'02"E 890.43' FROM THE WEST 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.218 ACRES MORE OR LESS.

Legal Description of Pipeline Centerline for Wellsite #5-34-46 DLB

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M. WHICH BEARS N34°35'04"E 874.99' FROM THE WEST 1/4 CORNER OF SAID SECTION 34, THENCE N87°08'54"W 88.06'; THENCE N85°36'52"W 160.76'; THENCE N85°54'15"W 112.36' TO A POINT IN THE SW 1/4 NW 1/4 OF SAID SECTION 34 WHICH BEARS N10°22'12"E 757.44' FROM THE WEST 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.249 ACRES MORE OR LESS.

Exhibit A.2
Depiction of #5-34-46 DLB Wellsite and Access Road



RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH DWL LANDS	316.72	0.218	19.20

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 34, T4S, R8W, U.S.B.&M. WHICH BEARS N12°39'35"E 786.25' FROM THE WEST 1/4 CORNER OF SAID SECTION 34, THENCE S85°46'55"E 83.93'; THENCE S86°16'25"E 156.63'; THENCE S85°23'13"E 76.16' TO A POINT IN THE SW 1/4 NW 1/4 OF SAID SECTION 34 WHICH BEARS N33°15'02"E 890.43' FROM THE WEST 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.218 ACRES MORE OR LESS.

100°40'07"E - 2622.29' (Meas.)

1/16 Section Line

1/4 Section Line

1/16 Section Line

NW 1/4

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Existing Road)

DAMAGE AREA #5-34-46 DLB Contains 2.933 Acres

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 3+16.72 (At Edge of Damage Area)

State of Utah DWL Lands

1/4 Section Line

Set Stone Steel Post

LINE TABLE		
LINE	BEARING	LENGTH
L1	S85°46'55"E	83.93'
L2	S86°16'25"E	156.63'
L3	S85°23'13"E	76.16'
L4	N19°09'02"W	104.12'
L5	N70°50'58"E	425.00'
L6	S19°09'02"E	320.00'
L7	S70°50'58"W	260.00'
L8	N77°55'55"W	192.94'
L9	N19°09'02"W	115.88'

Sec. 34

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

SW 1/4

▲ = SECTION CORNERS LOCATED.

Exhibit A.3
Depiction of Pipeline for #5-34-46 DLB Wellsite

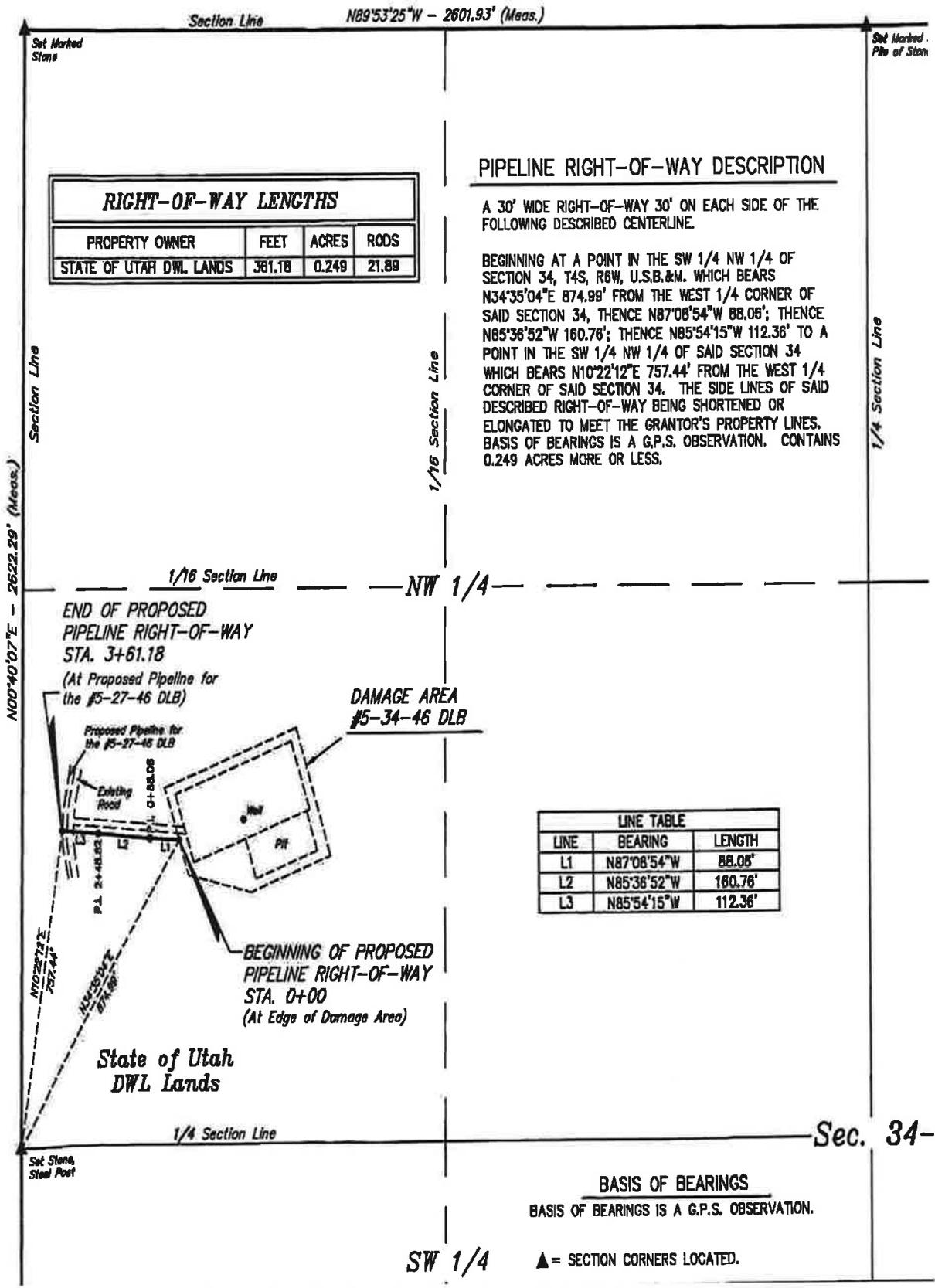


Exhibit B.1
Legal Descriptions of Wellsite (Damage Area) and Access Road and Pipeline
Centerlines for
Wellsite #14-34-46 DLB

Legal Description of Wellsite #14-34-46 DLB

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N19°54'36"W 828.27' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 34, THENCE N45°58'41"E 41.61'; THENCE S44°01'19"E 425.00'; THENCE S45°58'41"W 290.00'; THENCE N44°01'19"W 335.00'; THENCE N06°08'49"W 114.02'; THENCE N45°58'41"E 178.39' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.757 ACRES MORE OR LESS.

Legal Description of Access Road Centerline for Wellsite #14-34-46 DLB

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

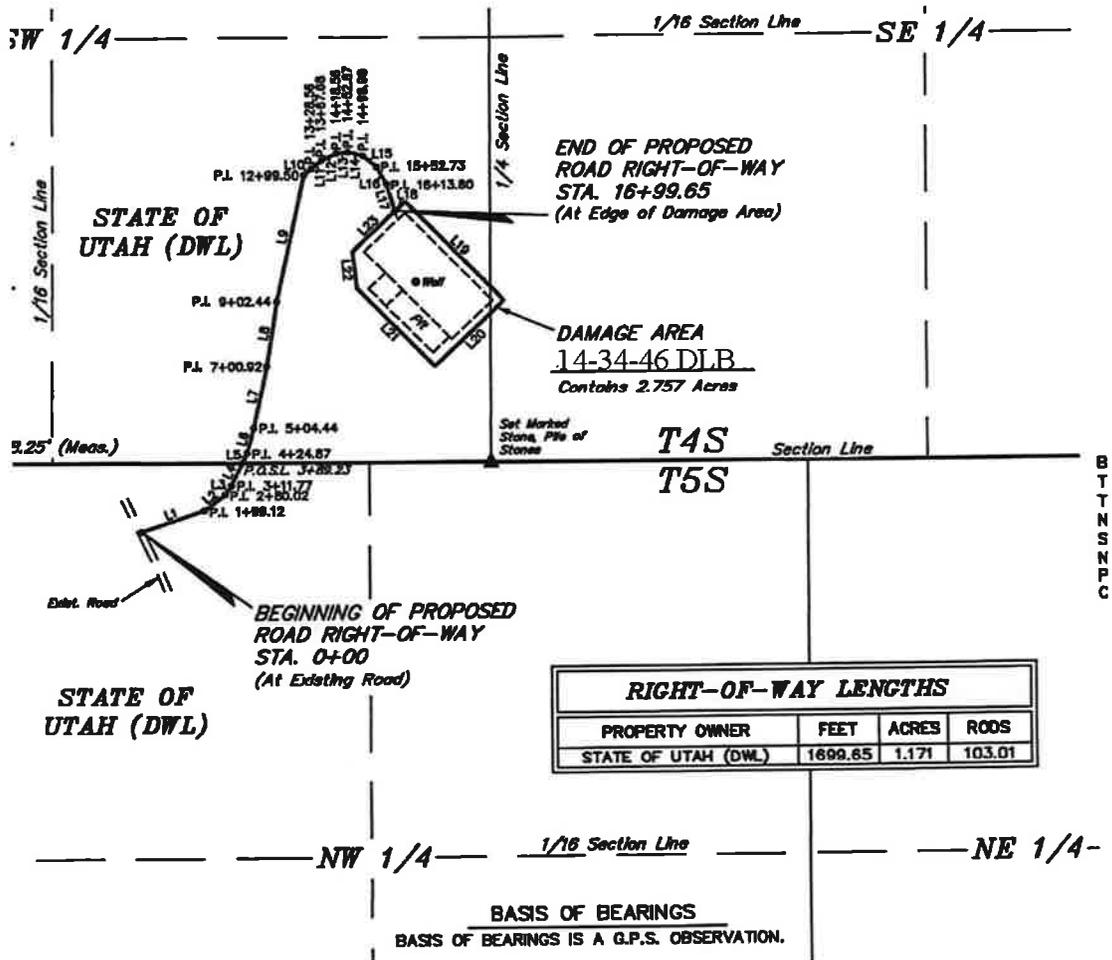
BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS S78°36'27"W 1067.74' FROM THE SOUTH 1/4 CORNER OF SECTION 34, T4S, R6W, U.S.B.&M., THENCE N70°43'55"E 199.12'; THENCE N51°22'59"E 80.90'; THENCE N34°54'23"E 31.75'; THENCE N25°21'27"E 77.46' TO A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 3, WHICH BEARS N89°53'53"W 744.18' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 34, THENCE N25°21'27"E 35.64'; THENCE N14°46'37"E 79.57'; THENCE N11°42'31"E 196.48'; THENCE N08°52'51"E 201.52'; THENCE N12°12'59"E 397.06'; THENCE N48°35'20"E 29.06'; THENCE N50°27'31"E 39.12'; THENCE N63°19'12"E 50.88'; THENCE N83°27'37"E 34.31'; THENCE S75°32'32"E 46.11'; THENCE S48°46'26"E 53.75'; THENCE S29°50'22"E 60.87'; THENCE S16°39'49"E 86.05' TO A POINT IN THE SE 1/4 SW 1/4 OF SAID SECTION 34, WHICH BEARS N19°54'36"W 828.27' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.171 ACRES MORE OR LESS.

Legal Description of Pipeline Centerline for Wellsite #14-34-46 DLB

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

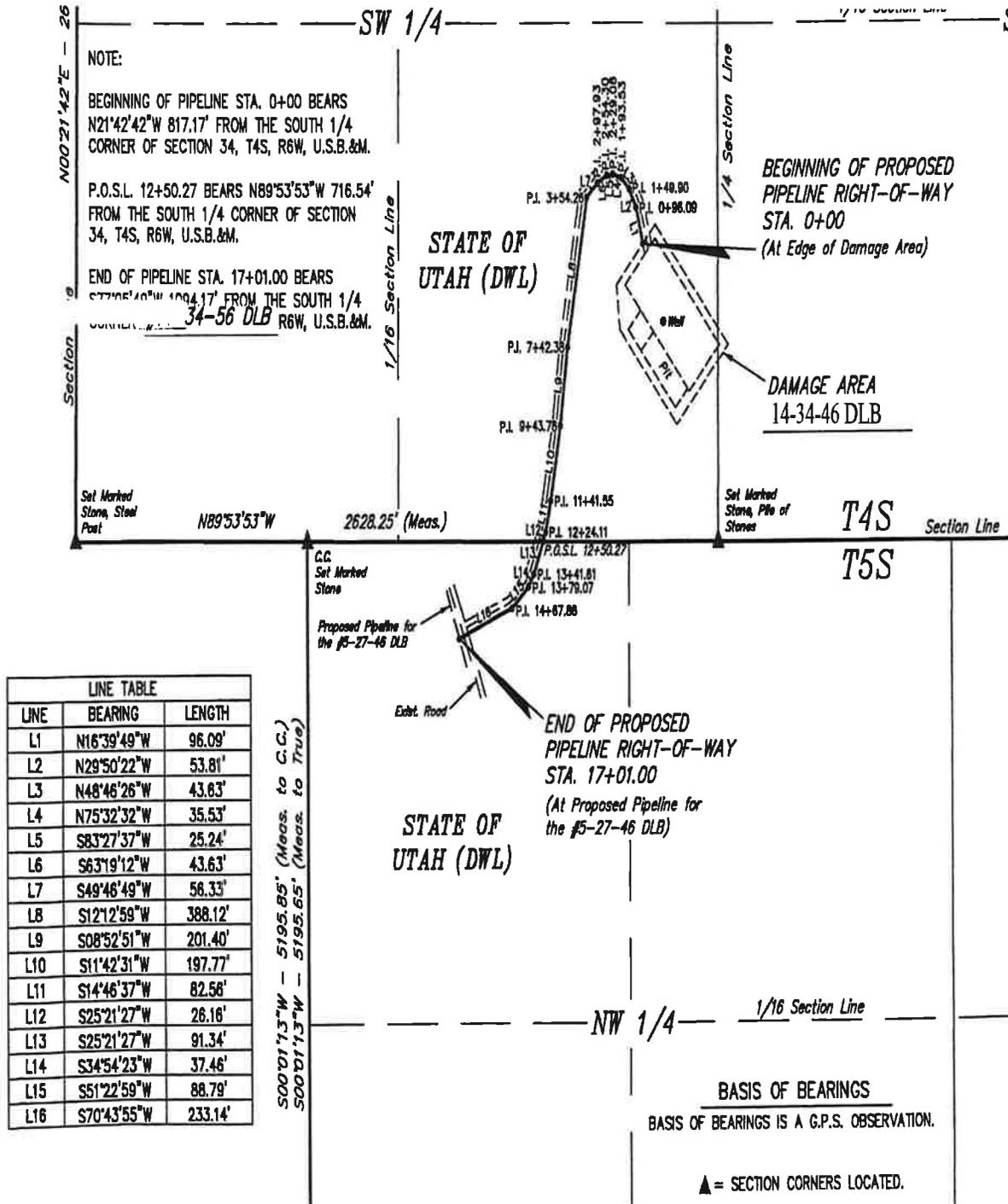
BEGINNING AT A POINT IN THE SE 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N21°42'42"W 817.17' FROM THE SOUTH 1/4 CORNER OF SECTION 34, T4S, R6W, U.S.B.&M., THENCE N16°39'49"W 96.09'; THENCE N29°50'22"W 53.81'; THENCE N48°46'26"W 43.63'; THENCE N75°32'32"W 35.53'; THENCE S83°27'37"W 25.24'; THENCE S63°19'12"W 43.63'; THENCE S49°46'49"W 56.33'; THENCE S12°12'59"W 388.12'; THENCE S08°52'51"W 201.40'; THENCE S11°42'31"W 197.77'; THENCE S14°46'37"W 82.56'; THENCE S25°21'27"W 26.16' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SW 1/4 OF SAID SECTION 34, WHICH BEARS N89°53'53"W 716.54' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 34, THENCE S25°21'27"W 91.34'; THENCE S34°54'23"W 37.46'; THENCE S51°22'59"W 88.79'; THENCE S70°43'55"W 233.14' TO A POINT IN THE NW 1/4 NW 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS S77°05'49"W 1094.17' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.171 ACRES MORE OR LESS.

Exhibit B.2
Depiction of #14-34-46 DLB Wellsite and Access Road



LINE TABLE		
LINE	BEARING	LENGTH
L1	N70°43'55"E	199.12'
L2	N51°22'59"E	80.90'
L3	N34°54'23"E	31.75'
L4	N25°21'27"E	77.46'
L5	N25°21'27"E	35.64'
L6	N14°46'37"E	79.57'
L7	N11°42'31"E	196.48'
L8	N08°52'51"E	201.52'
L9	N12°12'59"E	397.06'
L10	N48°35'20"E	29.06'
L11	N50°27'31"E	39.12'
L12	N63°19'12"E	50.88'
L13	N83°27'37"E	34.31'
L14	S75°32'32"E	46.11'
L15	S48°46'26"E	53.75'
L16	S29°50'22"E	60.87'
L17	S16°39'49"E	86.05'
L18	N45°58'41"E	41.61'
L19	S44°01'19"E	425.00'
L20	S45°58'41"W	290.00'
L21	N44°01'19"W	335.00'
L22	N06°08'49"W	114.02'
L23	N45°58'41"E	178.39'

Exhibit B.3
Depiction of Pipeline for #14-34-46 DLB Wellsite



RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH (DWL)	1701.00	1.171	103.09

Exhibit C.1

Legal Descriptions of Wellsite (Damage Area) and Access Road and Pipeline Centerlines for Wellsite #16-33-46 DLB

Legal Description of Wellsite #16-33-46 DLB

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N30°13'38"E 1236.95' FROM THE SOUTHWEST CORNER OF SAID SECTION 34, THENCE S41°59'29"E 159.64'; THENCE S48°00'31"W 335.00'; THENCE S85°53'01"W 114.02'; THENCE N41°59'29"W 220.00'; THENCE N48°00'31"E 425.00'; THENCE S41°59'29"E 130.36' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.757 ACRES MORE OR LESS.

Legal Description of Access Road Centerline for Wellsite #16-33-46 DLB

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N37°37'36"E 1339.53' FROM THE SOUTHWEST CORNER OF SAID SECTION 34, THENCE N85°15'46"W 65.33'; THENCE N83°22'53"W 49.68'; THENCE S89°29'17"W 65.60'; THENCE S79°53'51"W 15.27' TO A POINT IN THE SW 1/4 SW 1/4 OF SAID SECTION 34, WHICH BEARS N30°13'38"E 1236.95' FROM THE SOUTHWEST CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.135 ACRES MORE OR LESS.

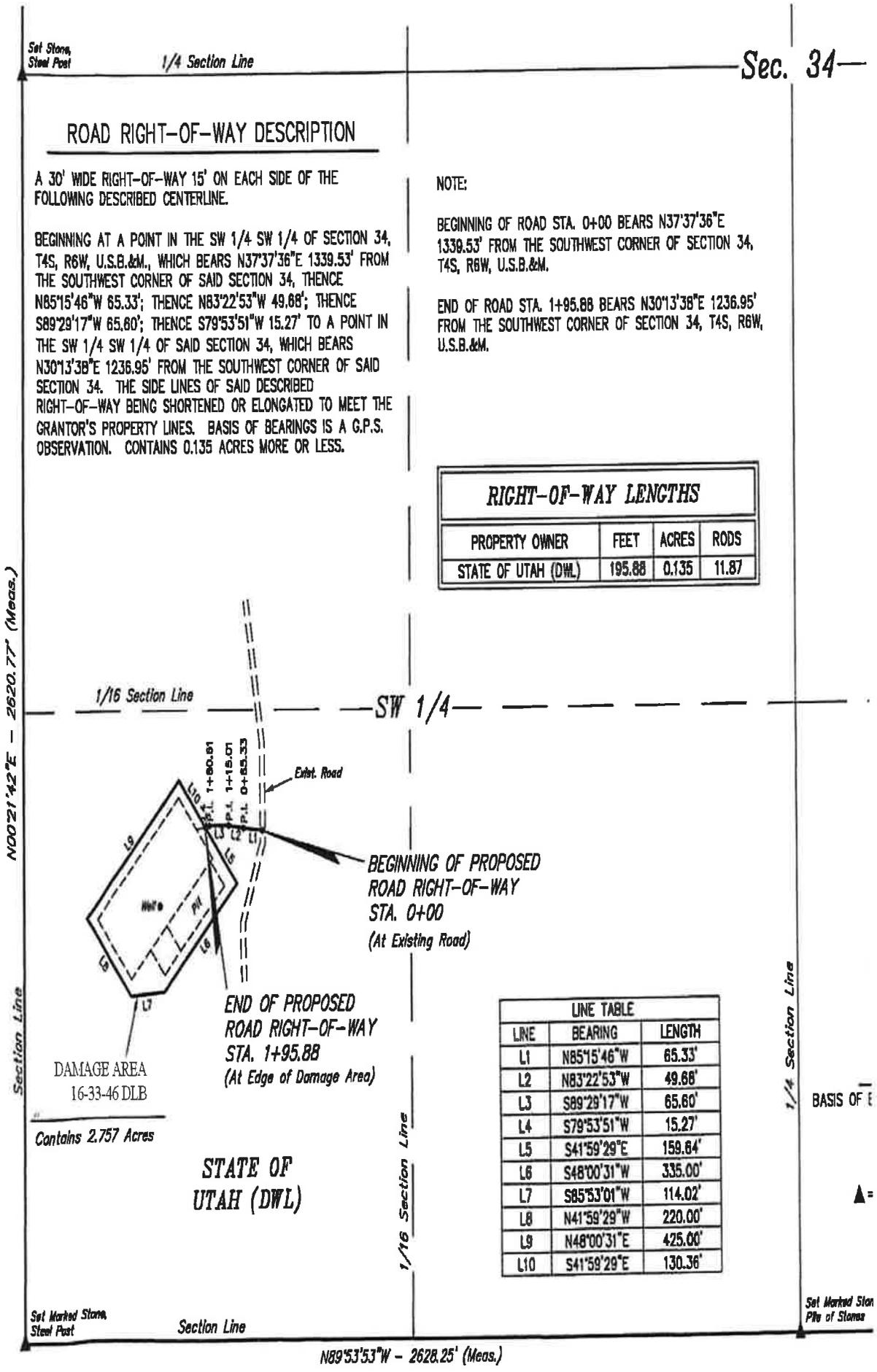
Legal Description of Pipeline Centerline for Wellsite #16-33-46 DLB

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N31°21'46"E 1229.38' FROM THE SOUTHWEST CORNER OF SAID SECTION 34, THENCE S88°03'42"E 62.22'; THENCE S81°36'29"E 51.16'; THENCE S86°50'46"E 38.96' TO A POINT IN THE SW 1/4 SW 1/4 OF SAID SECTION 34, WHICH BEARS N37°19'36"E 1305.39' FROM THE SOUTHWEST CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.105 ACRES MORE OR LESS.

Exhibit C.2
Depiction of #16-33-46 DLB Wellsite and Access Road



ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N37°37'36"E 1339.53' FROM THE SOUTHWEST CORNER OF SAID SECTION 34, THENCE N85°15'46"W 65.33'; THENCE N83°22'53"W 49.68'; THENCE S89°29'17"W 65.80'; THENCE S79°53'51"W 15.27' TO A POINT IN THE SW 1/4 SW 1/4 OF SAID SECTION 34, WHICH BEARS N30°13'38"E 1236.95' FROM THE SOUTHWEST CORNER OF SAID SECTION 34. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.135 ACRES MORE OR LESS.

NOTE:

BEGINNING OF ROAD STA. 0+00 BEARS N37°37'36"E 1339.53' FROM THE SOUTHWEST CORNER OF SECTION 34, T4S, R6W, U.S.B.&M.

END OF ROAD STA. 1+95.88 BEARS N30°13'38"E 1236.95' FROM THE SOUTHWEST CORNER OF SECTION 34, T4S, R6W, U.S.B.&M.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH (DWL)	195.88	0.135	11.87

LINE TABLE

LINE	BEARING	LENGTH
L1	N85°15'46"W	65.33'
L2	N83°22'53"W	49.68'
L3	S89°29'17"W	65.80'
L4	S79°53'51"W	15.27'
L5	S41°59'29"E	159.64'
L6	S48°00'31"W	335.00'
L7	S85°53'01"W	114.02'
L8	N41°59'29"W	220.00'
L9	N48°00'31"E	425.00'
L10	S41°59'29"E	130.36'

Section Line
N00°21'42"E - 2620.77' (Meas.)

Section Line

1/16 Section Line

1/4 Section Line

BASIS OF E

▲ =

Set Marked Stone
Pile of Stones

N89°53'53"W - 2628.25' (Meas.)

Set Marked Stone
Steel Post

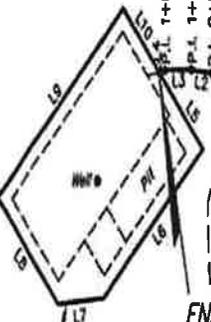
Section Line

DAMAGE AREA
16-33-46 DLB
Contains 2.757 Acres

**STATE OF
UTAH (DWL)**

**END OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 1+95.88
(At Edge of Damage Area)**

**BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 0+00
(At Existing Road)**



Exist. Road

1/16 Section Line

SW 1/4

1/4 Section Line

Sec. 34

Set Stone,
Steel Post

Exhibit C.3
Depiction of Pipeline for #16-33-46 DLB Wellsite

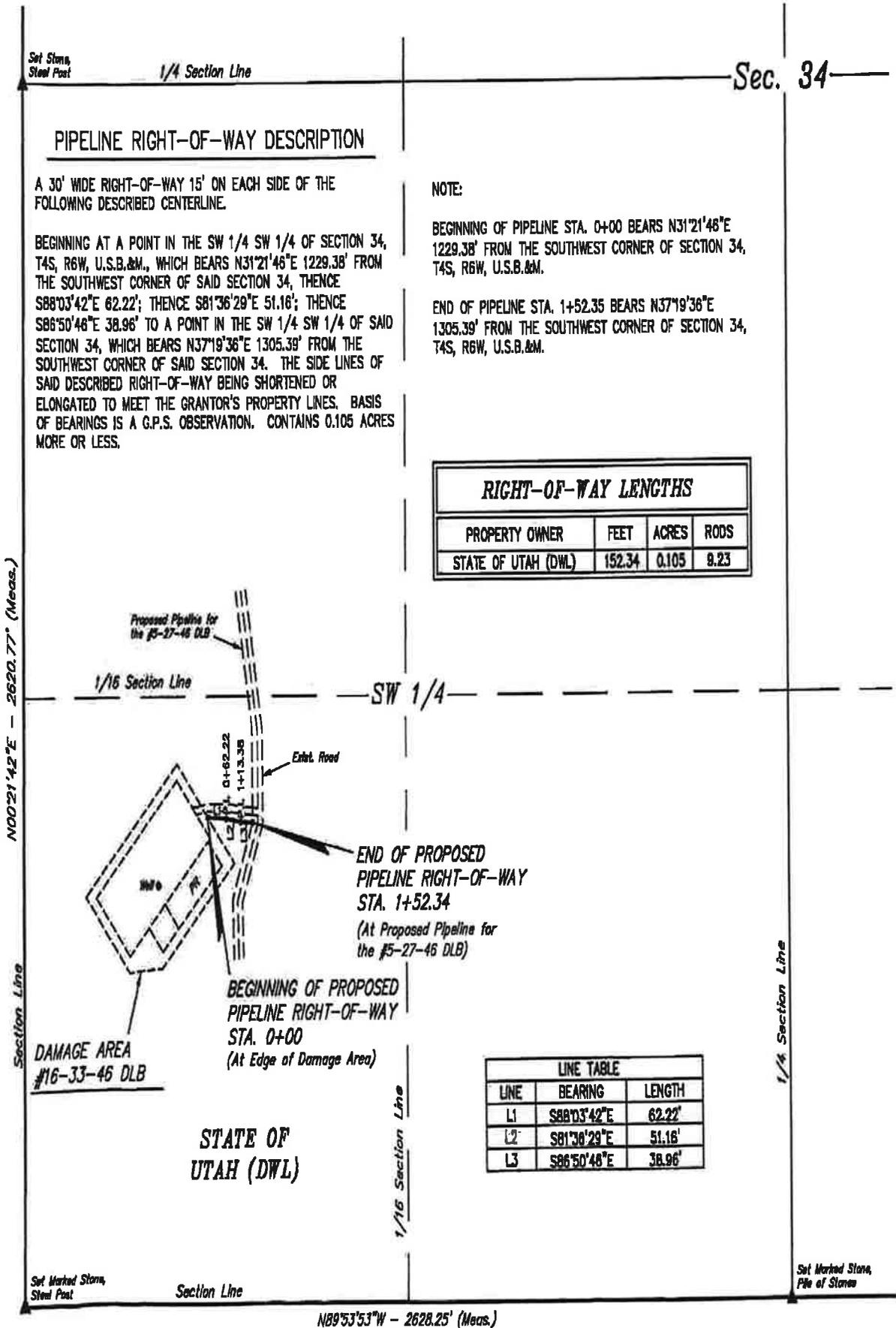


Exhibit D

Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development Project Area Duchesne County, Utah

SURFACE USE & OPERATIONS PLAN

BILL BARRETT CORPORATION Indian Canyon and Black Tail Ridge Development Project Area Duchesne County, Utah

Contractors will be provided with an approved copy of the surface use plan of operations before initiating construction on Utah Division of Wildlife Resources surface.

The referenced project is located on Utah Division of Wildlife Resources, Ute Indian Tribe and Fee surface. This plan is intended to outline surface use and operations only on Utah Division of Wildlife Lands (DWR), with similar plans being submitted to the remaining owners as required.

Site specific conditions of approval will be outlined within the DWR surface use grants and site specific APD approvals.

1. Existing Roads:

Existing roads have been utilized wherever practical, use of these roads has been outlined within the submitted maps and plats and will be further described in the site specific right-of-way application and APD.

Improvements to existing access roads will be noted in the site specific APD's and in accordance with DWR specifications.

All existing roads will be maintained and kept in good repair during all drilling, completion, and producing operations associated with this project.

2. Planned Access Roads:

Planned access roads have been outlined within the submitted maps and plats for the project and will be further described in the site specific right-of-way application and APD.

Access roads will be constructed according to the surface owners' specifications. These specifications will become part of the approval package for the project once approved.

Surface disturbance and vehicular traffic will be limited to the approved access route. Any additional area needed will be approved in advance.

Access roads and surface disturbing activities will conform to standards outlined in the BLM and Forest Service publication, Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.

New access roads will be crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 32 feet. Graveling or capping the roadbed will be performed, as necessary, to provide a well-constructed and safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow.

The disturbed width needed may be wider than 32 feet to accommodate larger equipment where cuts and fills are required for road construction; intersections or sharp curves occur; or, as proposed by the operator. Approval will be required from the DWR.

Appropriate water control structures will be installed to control erosion.

Exhibit D, cont'd
Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development
Project Area Duchesne County, Utah

If requested by the DWR "DEAD END ROAD" signs will be installed and maintained at a designated location.

Unless specified in the site specific APD, the following specifications will apply:

The maximum grade of 10% will be maintained throughout the project.

There will be no turnouts.

There will be no major cuts and fills, or bridges. Culverts and related drainage structures will be installed on an as-needed basis.

The access road will be centerline flagged prior to construction.

Gates, cattle guards, fence cuts, and modifications to existing range facilities will be installed on an as-needed basis.

Surfacing materials will be obtained from a state approved gravel source and be utilized as necessary to insure an all-weather road.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards.

All drainage ditches and culverts will be kept clear and free flowing and will be maintained according to the original construction standards.

The access road ROW will be kept free of trash during operations.

All traffic will be confined to the approved running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type.

Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing, nor shall the drainages be blocked by the roadbed.

Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Should mud holes develop, the holes shall be filled in and detours around the holes avoided.

When snow is removed from the road during the winter months, the snow should be pushed outside the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells Within a 1-Mile Radius:

A map will be provided with the site specific APD showing the location of existing wells within a one-mile radius.

4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines:

The following guidelines will apply if the well is productive:

All permanent (on site for six months or longer) structures constructed or installed will be painted a flat, non-reflective, olive black color. All facilities will be painted within six months of installation. Facilities that are required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Exhibit D, cont'd

Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development Project Area Duchesne County, Utah

A containment dike will be constructed around those production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, hold 150% of the capacity of the largest tank, and be independent of the back cut. The site specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the site specific right-of-way application and APD.

All site security guidelines identified in Federal regulation 43 CFR 3126.7, will be adhered to. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease production will have prior written approval from the BLM/VFO.

Gas meter runs will be located approximately 100 feet from the wellhead. Where necessary, the gas line will be buried, or anchored down from the wellhead to the meter. Where necessary, meter runs will be housed and/or fenced.

5. Location and Type of Water Supply

The location and type of water supply will be submitted with the site specific APD.

6. Source of Construction Materials:

All construction materials for this project shall be borrow (local) material accumulated during construction of the location site, access roads or pipelines.

Additional gravel or pit lining material will be obtained from a private source.

The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

If it is determined at the onsite that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash or scrap that could puncture the liner will not be disposed of in the pit.

Reserve pit leaks are considered an unacceptable and undesirable event and will be orally reported to the DWR.

After first production, produced wastewater will be trucked to one of the following approved waste water disposal sites: R.N. Industries, Inc. Sec. 4, T2S, R2W, Bluebell; MC & MC Disposal Sec. 12, T6S, R19E, Vernal; LaPoint Recycle & Storage Sec. 12, T5S, R19E, LaPoint or Water Disposal Inc. Sec. 32, T1S, R1W, Roosevelt; used in the operations of the field or, confined to the approved pit or storage tank for a period not to exceed 90 days.

Exhibit D, cont'd

Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development
Project Area Duchesne County, Utah

Production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites. Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The indiscriminate dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical portable toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

There are no ancillary facilities planned for at this time and none are foreseen in the future.

9. Wellsite Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific right-of-way application and APD.

The diagram will describe rig orientation, parking areas, and access roads as well as the location of the following:

The reserve pit.

The stockpiled topsoil, which shall not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with the topsoil.

The flare pit, which will be located downwind from the prevailing wind direction.

The access road.

All pits will be fenced according to the following minimum standards:

39-inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Distance between any two posts shall be no greater than 16 feet.

Exhibit D, cont'd

Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development Project Area Duchesne County, Utah

All wire shall be stretched using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on two sides during drilling operations, and on the third and fourth sides when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. Plans for Restoration of the Surface:

Immediately upon well completion, the location and surrounding area will be cleared of all unused pipe, materials, trash, and debris not required for production.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The liner will also be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting. Once reclamation activities have begun, the activities will be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The object is to keep seasonal rainfall and runoff from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert runoff as needed.

Prior to the construction of the location, the top 12 inches of soil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific right-of-way application and APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be re-contoured and topsoil spread over the area.

Topsoil to be stored for more than one year:

Shall be windrowed, where possible, to a depth of three (3) to four (4) feet at a specified location near the margin of the site.

Broadcast seeded with the prescribed seed mixture immediately after windrowing. The DWR shall be contacted for the required seed mixture. Seed will be drilled on the contour to an appropriate depth.

The stockpile then "walked" with a dozer to cover the seed.

Mulching may be one method considered to enhance the re-establishment of desired native plant communities.

Exhibit D, cont'd

Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development
Project Area Duchesne County, Utah

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, all casing shall be cut off at the base of the cellar or 3 feet below final restored ground level, whichever is deeper, and cap the casing with a metal plate a minimum of 0.25 inches thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap also will be constructed with a weep hole.

11. Surface Ownership:

The ownership of the access roads will be specified in the site specific right-of-way application and APD.

The ownership of the well pad will be specified in the site specific right-of-way application and APD.

12. Other Information:

All operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities. A list of noxious weeds may be obtained from the DWR, BLM or the appropriate County Extension Office. On DWR administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides or other pesticides or possibly hazardous chemicals.

Drilling rigs and/or equipment used during drilling operations on this location will not be stacked or stored on DWR administered lands after the conclusion of drilling operations or at any other time without authorization by the DWR.

A class III archaeological survey has been conducted with reports submitted to the DWR. All personnel will refrain from collecting artifacts and from disturbing any significant cultural resources in the area. The operator is responsible for informing all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in the archaeological report, and to the existing roadways and/or evaluated access routes. If historic or archaeological materials are uncovered during construction, the Operator is to immediately stop work that might further disturb such materials and contact the DWR.

13. Operator's Representatives:

~~Matt Barber – Permit Analyst~~ **Tracey L. Fallang** Direct:
(303) ~~312-88134168~~
Bill Barrett Corporation Mobile: ~~(720) 272-1710~~ **(303) 596-4818**
1099 18th Street, Suite 2300
Denver, Colorado 80202

Exhibit D, cont'd
Surface Use and Operations Plan for Indian Canyon and Blacktail Ridge Development
Project Area Duchesne County, Utah

David Watts – Landman
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, Colorado 80202

Direct: (303) 312-8544

Don Hamilton – Agent
Buys & Associates, Inc.
2580 Creekview Road
Moab, Utah 84532

Direct: (435) 719-2018
Mobile: (435) 650-3866

Exhibit EG
Reclamation Bond Number LPM9002033

Bond Number LPM9002033

Easement Permit Bond

KNOW ALL MEN BY THESE PRESENTS, That We Bill Barrett Corporation

of Denver, CO

hereinafter referred to as the Principal, and Fidelity and Deposit Company of Maryland

a corporation organized and existing under the laws of the State of Maryland

and authorized to do business in the State of Utah as Surety, are held and firmly

bound unto State of Utah, Department of Natural Resources, Division of Wildlife Resources, 1594 W. North Temple, Ste 2110, SLC, UT

herein after referred to as Obligee, in the sum of Four Hundred Seventeen Thousand Three Hundred and Fifty and no/100 Dollars (\$417,350.00) lawful money of the United States of America to the payment of which sum, well and truly to be made, we bind ourselves, our executors, administrators, successors and assigns, firmly by these presents.

WHEREAS, the Principal has applied for a license or permit for DUC-1002EA-122 for the following well sites: 14-34-46 DLB, 16-33-46 DLB and 5-34-46 DLB and their supporting roads and pipelines for the term beginning the 31st of March 2010 and ending the 31st day of March 2011 to cover the term of said License or Permit.

NOW, THEREFORE, if said Principal shall faithfully perform all the duties of this lease according to the requirements of the ordinance of said Obligee and protect said Obligee from any damage as hereinbefore stated, then this obligation shall be null and void; otherwise to remain in full force and effect.

THIS BOND WILL continue in force until March 31, 2011 and will continue with a Continuation Certificate signed by Principal and Surety.

SIGNED, SEALED and DATED this 31st day of March 2010

Bill Barrett Corporation

Principal

By: Huntington T. Walker

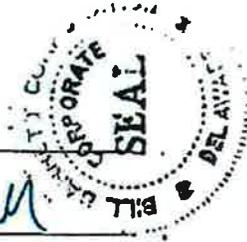
Huntington T. Walker
Sr. Vice President - Land

Fidelity and Deposit Company of Maryland

Surety

By: Jana M. Forrest

Jana M. Forrest, Attorney-in-Fact



Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by DAVID S. HEWETT, Vice President, and GREGORY E. MURRAY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint Scott T. POST, Bret S. BURTON, Jana M. FORREST, Tim H. HEFFEL, Desiree E. WESTMORELAND, Kathleen A. SNYDER and Emily R. TERHUNE, all of Wichita, Kansas, EACH its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as such, and as its act and deed, any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of those powers, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Scott T. POST, Bret S. BURTON, Jana M. FORREST, Tim H. HEFFEL, Erica M. PLUMMER, Desiree E. WESTMORELAND, Kathleen A. SNYDER, dated June 19, 2008.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, this 9th day of March, A.D. 2009.

ATTEST:

FIDELITY AND DEPOSIT COMPANY OF MARYLAND
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY



Gregory E. Murray

By:

David S. Hewett

Gregory E. Murray Assistant Secretary

David S. Hewett

Vice President

State of Maryland } ss:
City of Baltimore }

On this 9th day of March, A.D. 2009, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came DAVID S. HEWETT, Vice President, and GREGORY E. MURRAY, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument is the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Constance A. Dunn

Constance A. Dunn

Notary Public

My Commission Expires: July 14, 2011

COOPERATIVE AGREEMENT

between

BILL BARRETT CORPORATION

and the

UTAH DIVISION OF WILDLIFE RESOURCES

for

Mitigation Related to Oil and Gas Field Development on the Indian Canyon Wildlife Management Area

WHEREAS, Bill Barrett Corporation (“BBC”) and their agents/contractors, desire to construct well pads, roads, and pipelines, and drill three (3) oil and natural gas wells, said wells specifically identified as wells #5-34-46 DLB, #14-34-46 DLB, and #16-33-46 DLB, beginning in the Summer, 2011 and running until completion without having to undergo delays related to winter wildlife closures during the term of this agreement; and,

WHEREAS, in recognition of the crucial wildlife habitat values found in the area, BBC sought to coordinate early with Utah Division of Wildlife Resources (DWR) staff and to develop practicable solutions which enabled field development and also provided for compensatory mitigation to support habitat restoration benefiting wildlife; and,

WHEREAS, the Division has assessed wildlife habitat conditions in the area, and identified specific opportunities to compensate for unavoidable effects of oil and gas field related disturbance by instituting specific wildlife habitat restoration practices which would yield substantial benefits for wildlife; and,

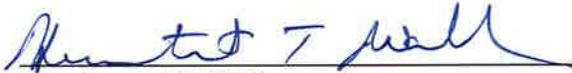
WHEREAS, the Division in this instance feels that it would be in the best interests of wildlife to accept a commensurate payment from BBC, who have worked diligently to mitigate for their construction impacts by coordinating early with DWR staff, which would enable DWR and their cooperators to conduct habitat treatments of a type and extent which would serve wildlife and also supply BBC’s compensatory mitigation.

NOW, THEREFORE, let this document serve to capture the essence of the agreement by BBC and DWR, to the effect that BBC has or will issue to DWR a single, **Twenty-six Thousand Dollar (\$26,000)** compensatory mitigation payment, plus a **Five-Thousand, Two-Hundred Dollar (\$5,200)** payment for each well in the process of being drilled or completed at any time between the dates of December 1 and April 15 (winter closure period) during the term of this agreement, specifically intended to enable DWR to conduct several hundred acres of habitat restoration, situated reasonably near the originally impacted wildlife habitats, as DWR determined would be most effective for benefiting wildlife populations of the area. The funds may be used for any related expense pertaining to such wildlife habitat treatments as may be conducted in the general area, but not for unrelated purposes or distantly removed locations.

Exhibit H, cont'd
Cooperative Agreement

The term of this agreement shall commence on the date of the last signature below, and shall terminate at midnight on April 15, 2012.

AGREED TO BY:



Huntington T. Walker

_____ Date *pm*

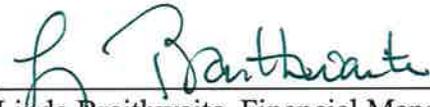
Sr. Vice President - Land
Bill Barrett Corporation



James F. Karpowitz, Director
Utah Division of Wildlife Resources
Salt Lake City, UT

ACTING DIRECTOR

7/29/10
_____ Date



Linda Braithwaite, Financial Manager
Utah Division of Wildlife Resources
Salt Lake City, UT

7/29/10
_____ Date

**Surface Use Plan for
Bill Barrett Corporation's
Development Program
Lake Canyon Area
Duchesne County, Utah**

1. **Existing Roads:**

The Lake Canyon area is located approximately 12 miles southwest of Duchesne, Utah and extends from Township 3 South, Range 10 West to Township 5 South, Range 6 West. The specific location of a particular well pad will be shown on maps and described in the site specific APD.

The use of Skitzzy Road is necessary to access the area. Improvements to Skitzzy Road and other existing access roads will be noted in the site specific APD's.

2. **Planned Access Roads:**

Descriptions of new access road(s) will be included in the site specific APD.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advanced with the UDWR

3. **Location of Tank Batteries, Production Facilities, and Production Gathering And Service Lines:**

The following guidelines will apply if the well is productive:

All permanent (on site for six months or longer) structures constructed or installed will conform to DOGM standards. All facilities will be painted within six months of installation.

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the well site specific APD.

4. **Location and Type of Water Supply**

The Duchesne City Culinary Water Dock located in section 1, T4S-R5W will be used for water supply for drilling and completion operations. Additional water supply sources will be addressed in the site specific APD, indicating the location and type of water supply.

5. **Source of Construction Materials:**

All construction materials for this location site and access road shall be borrowed (local) material accumulated during construction of the location site and access road. No construction materials will be removed from UDWR lands. If any gravel is used, it will be obtained from an approved gravel pit.

6. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including any salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed.

Unless otherwise specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not allow discharge of liquids.

If it is determined, at the onsite, that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12-millimeters thick. The liner will overlay a felt-liner pad if rock that might tear or puncture the liner is encountered during excavation. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash, scrap pipe, etc. that could puncture the liner will not be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations. The pit liner will be protected during drilling and completion operations.

Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical self-contained sanitary-toilet will be onsite during drilling and completions.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The reserve pit fencing will be on three sides before drilling operations start. The fourth side will be fenced as soon as drilling is completed and the rig is removed. The fencing will be maintained until such time as the pits are backfilled.

7. Ancillary Facilities:

Garbage containers and portable toilets are the only ancillary facilities proposed. No additional ancillary facilities are foreseen in the future.

8. Wellsite Layout:

A location layout diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific APD and developed through a consultant.

9. Plans for Restoration of the Surface:

The dirt contractor will be provided with an approved copy of the surface use plan and these Standard Operating Procedures prior to commencing construction activities.

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett Corporation (BBC) and UDWR. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near

as possible to its original line of flow.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The remaining liner will be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting, unless it is determined that this location will be utilized to drill additional wells within 1 year of completing operations.

After the reserve pit has been reclaimed, diversion ditches and water bars will be used to divert precipitation runoff/runoff as appropriate.

Prior to the construction of the location, the top 6 inches or maximum available topsoil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be recontoured and the stockpiled topsoil spread over the area.

If topsoil must be stored for more than one year:

It shall be windrowed on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

It shall be broadcast seeded with the prescribed seed mixture immediately after windrowing. Seed will be drilled on the contour to an appropriate depth and the stockpile then "walked" with a dozer to cover the seed and roughen the soil to prevent erosion.

Mulching may be considered to enhance the re-establishment of desired native plant communities. If straw or hay mulch is used, the straw and hay must be certified to be weed-free and the documentation submitted prior to usage.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

UDWR shall be contacted for the required seed mixture. Seed will be drilled on

the contour to an appropriate depth. If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, BBC will follow UT-DOGM standards for final well abandonment.

10. Other Information:

The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the BBC field representative to ensure compliance.

The operator will control noxious weeds along applied access road authorizations, pipeline route authorizations, well sites or other applicable facilities

Wells drilled during the fire season (June – October) all appropriate precautions shall be instituted to ensure that fire hazard is minimized, including, but not limited to, controlling vegetation and keeping fire fighting equipment readily available during all drilling and completion operations.

Drilling rigs and/or equipment used during drilling operations on locations will not be stacked or stored on UDWR administered lands after the conclusion of drilling operations or at any other time without permission by the UDWR. If UDWR permission is obtained, such storage will only be temporary measure.

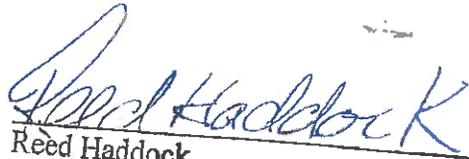
Travel will be restricted to approved travel routes.

11. CERTIFICATION

Reed Haddock
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

Phone: 303-312-8546
Fax: 303-291-0420

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bill Barrett Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Reed Haddock
Permit Analyst

DATE: February 27, 2007

12. **Bill Barrett Corporation and UDWR Contacts:**

BBC Representatives:

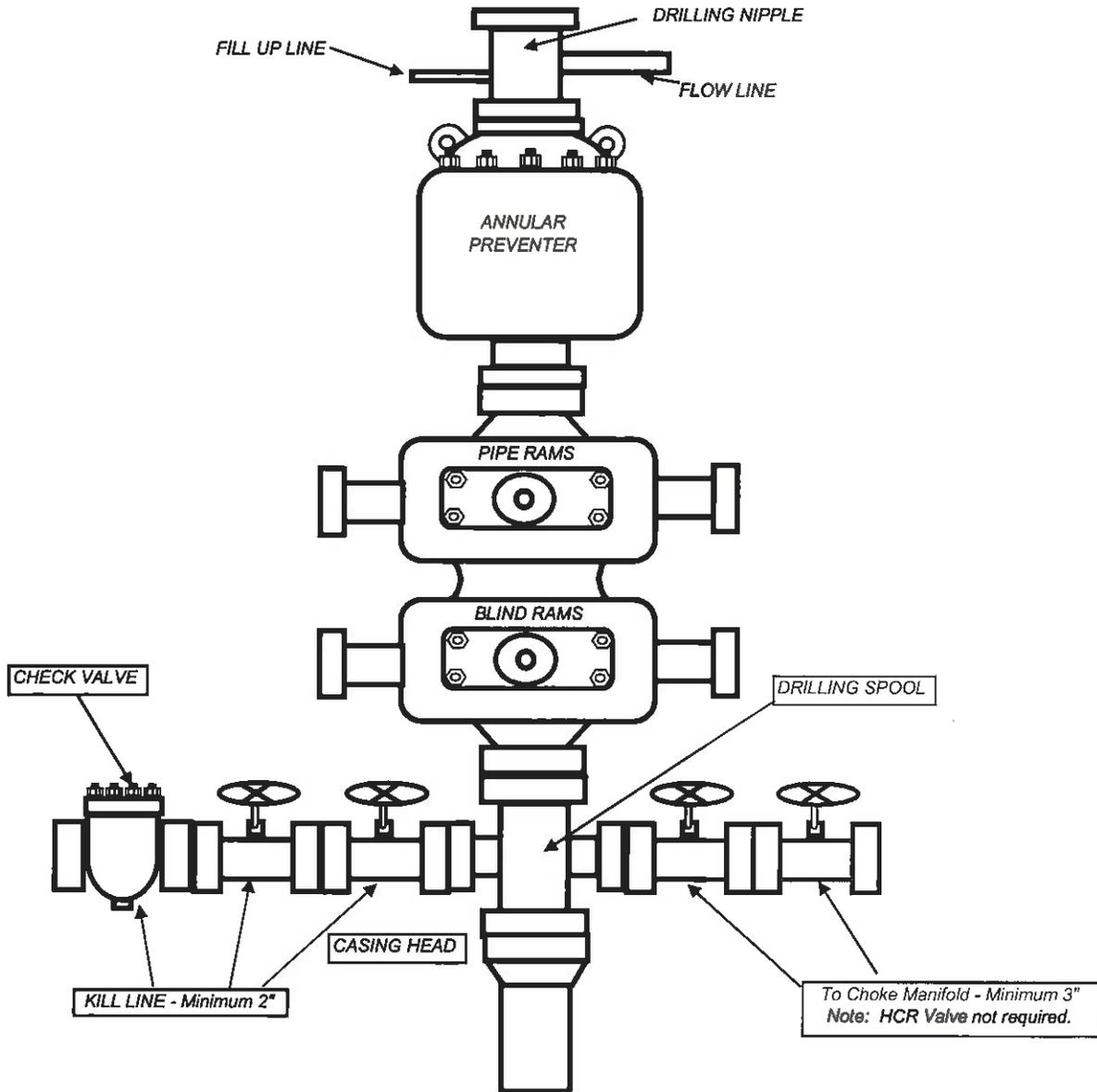
Reed Haddock, Regulatory and Permitting; Phone: (303) 312-8546
Scot Donato, Environmental Health and Safety; Phone: (303) 312-8191
Monty Shed, Field Operations; Phone: (307) 262-1511

UDWR Representatives:

Ben Williams, UDWR, Wildlife Resources; Phone: (435) 781-5357
Bill James, UDWR, Wildlife Resources, Manager; Phone: (801) 538-4745

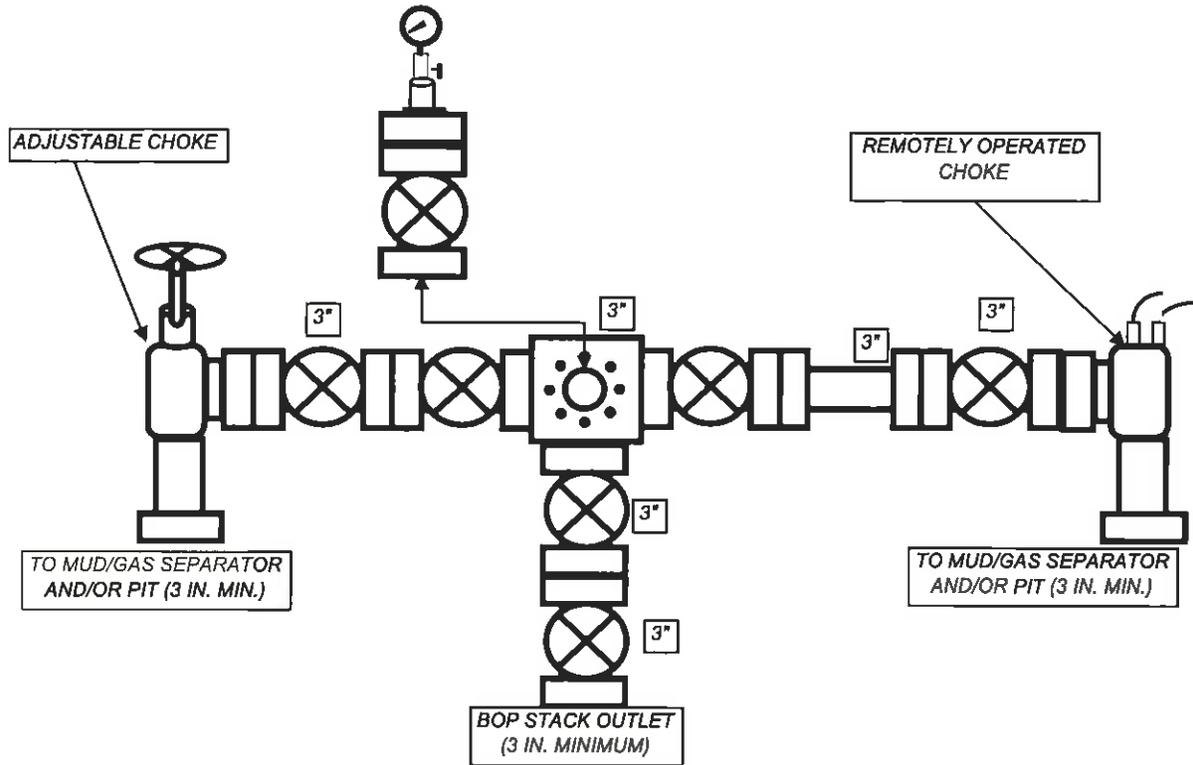
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





January 11, 2011

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11
Lake Canyon Area #16-33-46 DLB Well
Surface: 904' FSL & 463' FWL, SWSW, 34-T4S-R6W, USM
Bottom Hole: 660' FSL & 660' FEL, SESE, 33-T4S-R6W, USM
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Siting of Wells.

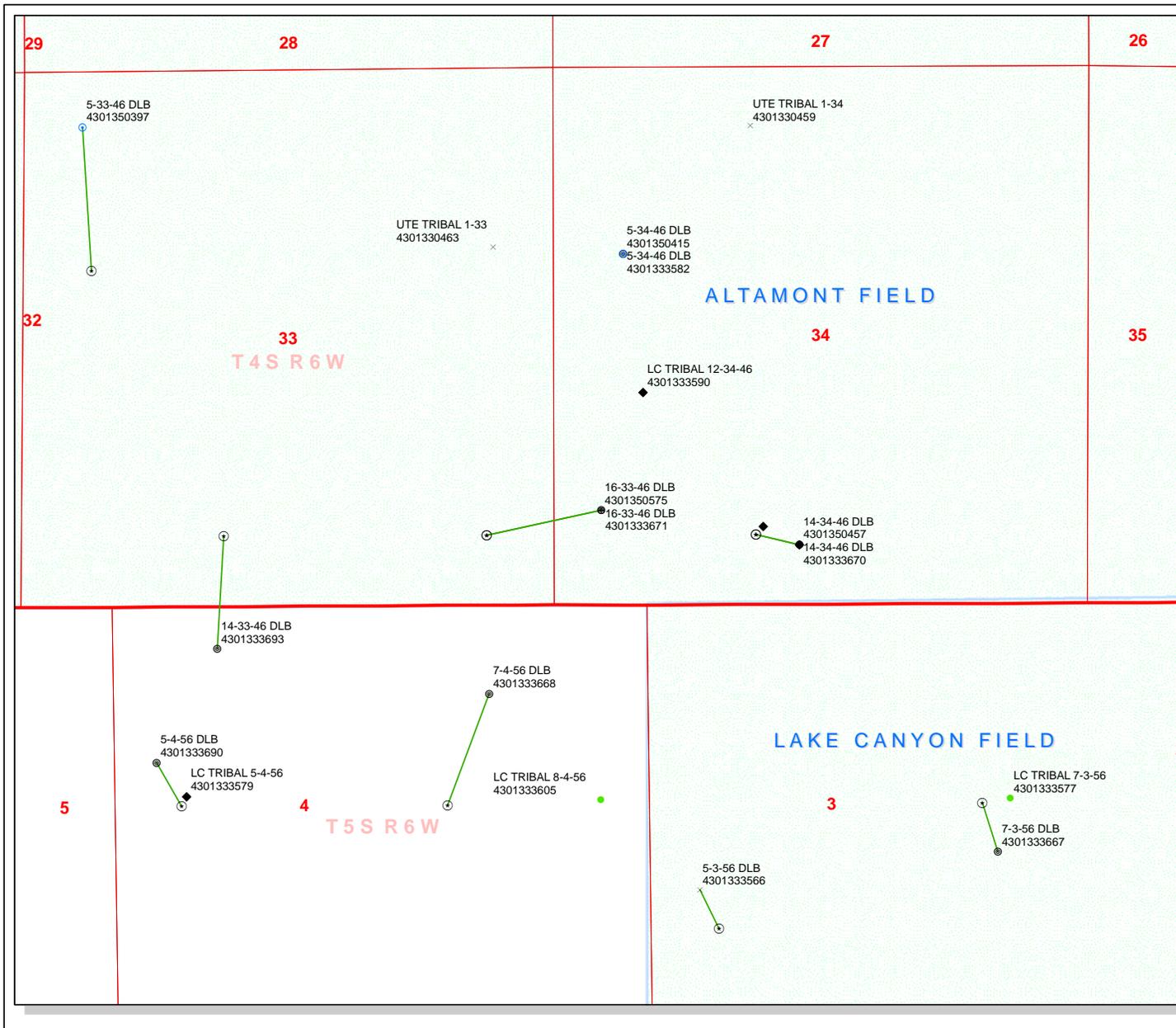
- The proposed location is within our Lake Canyon Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe, Ute Distribution Corporation, Berry Petroleum Company and Bill Barrett Corporation, which grants the Operators consent to drill wells in the most optimal fashion within the AMI (Area of Mutual Interest) and is further described in the Lease Agreement.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC and Berry Petroleum Company, we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

David Watts
David Watts *by few*
Landman

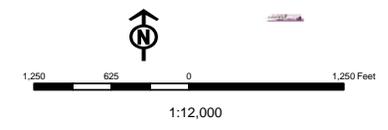
1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420



API Number: 4301350575
Well Name: 16-33-46 DLB
Township 04.0 S Range 06.0 W Section 34
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

- | Units | Wells Query |
|---------------|------------------------------------|
| STATUS | Status |
| 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 |
| Fields | 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 | |



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name 16-33-46 DLB
API Number 43013505750000 **APD No** 3396 **Field/Unit** ALTAMONT
Location: 1/4,1/4 SWSW **Sec** 34 **Tw** 4.0S **Rng** 6.0W 904 FSL 463 FWL
GPS Coord (UTM) 537837 4437073 **Surface Owner**

Participants

See other comments

Regional/Local Setting & Topography

This location sits on the west side top of a long wide north south running ridge. Original location grade is fairly steep as it slopes to the north and west toward the large deep Lake Canyon. Lake Canyon then flows north east and drains into Starvation Reservoir. Location is approximately 13.8 miles south of Duchesne, UT.

Surface Use Plan

Current Surface Use

Wildlife Habitat
Deer Winter Range

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.036	Width 240 Length 375	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Deer, elk, bear, cougar, coyote, rodents, small mammals, raptors and other birds

Pinyon-Juniper, big sage, sparse grasses, elder berry, Doug fir.

Soil Type and Characteristics

Sandy loam soil with scattered broken rock on the surface.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

Berm Required? Y

Erosion Sedimentation Control Required? N

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	>200	0	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	20	1 Sensitivity Level

Characteristics / Requirements

200' x 70' x 8' deep. Pit will be placed in cut and there appear to be no stability issues. According to Bill Barrett representative Kary Eldredge a 20 mil pit liner will be used.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 12 Pit Underlayment Required? N

Other Observations / Comments

Participants:

Richard Powell (DOGM), Matt Serfustini (EIS), Roger Mitchell (Findley well site), Ben Williams and Alex Hansen (DWR), Clint Turner (Turner Petroleum Land Services), Don Hamilton (Buys and Assoc.), Danny Rasmussen (UELS), Bill Civish, James Hereford, Karl Wright (BLM), Kelly Jo Jackson (MOAC), Kary Eldredge (Bill Barrett).

Richard Powell
Evaluator

10/7/2010
Date / Time

Application for Permit to Drill

Statement of Basis

2/23/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3396	43013505750000	SITLA	OW	S	No
Operator	BILL BARRETT CORP		Surface Owner-APD		
Well Name	16-33-46 DLB		Unit		
Field	ALTAMONT		Type of Work		DRILL
Location	SWSW 34 4S 6W U 904 FSL 463 FWL GPS Coord (UTM) 537831E 4437071N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill
APD Evaluator

2/14/2011
Date / Time

Surface Statement of Basis

This presite was attended by BLM representatives Bill Civish, Karl Wright and James Hereford to represent the mineral owner concerns. DWR representatives Ben Williams and Alex Hansen were present to discuss land owner concerns. According to Mr. Williams the DWR requests that no drilling or construction activities take place from Nov. 15 to April 15. Because the area is considered crucial deer winter range. However, according to Mr. Williams this drilling closure can be waived if mitigation payments are made. Also Mr. Williams requested that all lines be buried. The BLM representatives stated no concerns with drilling on this site. It appears to be a good place to drill a well.

Richard Powell
Onsite Evaluator

10/7/2010
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/7/2011

WELL NAME: 16-33-46 DLB

OPERATOR: BILL BARRETT CORP (N2165)

CONTACT: Elaine Winick

PROPOSED LOCATION: SWSW 34 040S 060W

SURFACE: 0904 FSL 0463 FWL

BOTTOM: 0660 FSL 0660 FEL

COUNTY: DUCHESNE

LATITUDE: 40.08496

UTM SURF EASTINGS: 537831.00

FIELD NAME: ALTAMONT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005500

SURFACE OWNER: 3 - State

API NO. ASSIGNED: 43013505750000

PHONE NUMBER: 303 293-9100

Permit Tech Review:

Engineering Review:

Geology Review:

LONGITUDE: -110.55626

NORTHINGS: 4437071.00

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - LPM 879501
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Duchesne City Culinary Water Dock
- 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:** R649-3-11
- Effective Date:**
- Siting:**
- R649-3-11. Directional Drill

Comments: Presite Completed
SURF OWNER DWR:

Stipulations: 4 - Federal Approval - dmason
5 - Statement of Basis - bhll
15 - Directional - dmason
23 - Spacing - dmason



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: 16-33-46 DLB
API Well Number: 43013505750000
Lease Number: 2OG0005500
Surface Owner: STATE
Approval Date: 2/23/2011

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. 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:

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

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

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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

Notification Requirements:

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a faint, illegible stamp or background.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

5. Lease Serial No.
20G0005500

6. If Indian, Allottee or Tribe Name
Ute

7. If Unit or CA Agreement, Name and No.

1a. Type of work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator Bill Barrett Corporation

8. Lease Name and Well No.
16-33-46 DLB

9. API Well No.
43-013-50575

3a. Address 1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. (include area code)
303-312-8168

10. Field and Pool, or Exploratory
Altamont

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface SWSW 904' FSL & 463' FWL Sec 34 4S 6W
At proposed prod. zone SESE 660' FSL & 660' FEL Sec 33 4S 6W

11. Sec., T. R. M. or Blk. and Survey or Area
Sec 34 4S 6W USB&M

14. Distance in miles and direction from nearest town or post office*
13.8 miles SW of Duchesne, UT

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'

16. No. of acres in lease
124,793

17. Spacing Unit dedicated to this well
640

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 2990'

19. Proposed Depth
7500' MD, 7350' TVD

20. BLM/BIA Bond No. on file
LPM 879501

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7393' GL

22. Approximate date work will start*
06/15/2011

23. Estimated duration
60 DAYS (D&C)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification
- 6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature *Elaine Winick* Name (Printed/Typed) Elaine Winick Date *rev 1-7-2011* 05/16/2007

Title Senior Permit Analyst

Approved by (Signature) *[Signature]* Name (Printed/Typed) *Jean Kucera* Date FEB 04 2011

Title Assistant Field Manager Lands & Mineral Resources Office VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

UDOGM

Original
RECEIVED - 5/27/2007
RECEIVED

JAN 11 2011

APR 04 2011

BLM VERNAL, UTAH

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL
CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: 16-33-46 DLB
API No: 43-013-50575

Location: SWSW, Sec. 34 T4S R6W
Lease No: 20G0005500
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- The operator will strictly adhere to all Stipulations and Conditions of Approval associated with the Utah Division of Wildlife Resources (UDWR) Site-Specific Environmental Assessment DUC-1002EA-122.
- Any deviation of submitted APD's and ROW applications the operator will notify the UDWR in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the UDWR should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All production facilities are to be painted Beetle to match to the surrounding landscape. See new environmental color chart for specific color. This was decided on the onsite and agreed to by DWR representatives and BBC.
- All pipelines need to be buried to adhere to DWR wildlife guidelines for mitigation in crucial winter range for deer and elk.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- Oil (or Diesel) shall not be used in the water based mud system without prior approval. Written request for approval shall be required.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of

each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 16-33-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013505750000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/1/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" 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: 50px;" type="text"/>

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

This sundry is being requested to change the name to LC Tribal 13H-33-46. BBC is also requesting permission to change this well **from a directional well to a horizontal well**. The surface location will remain the same as previously approved. Bottom hole requested: SW SW 800' FSL and 800' FWL, Sec. 33, T4S - R6W Attached please find revised survey plats, drilling program, directional plan and horizontal letter. BBC also requests confidential status for this well.

Approved by the Utah Division of Oil, Gas and Mining

Date: 08/01/2011

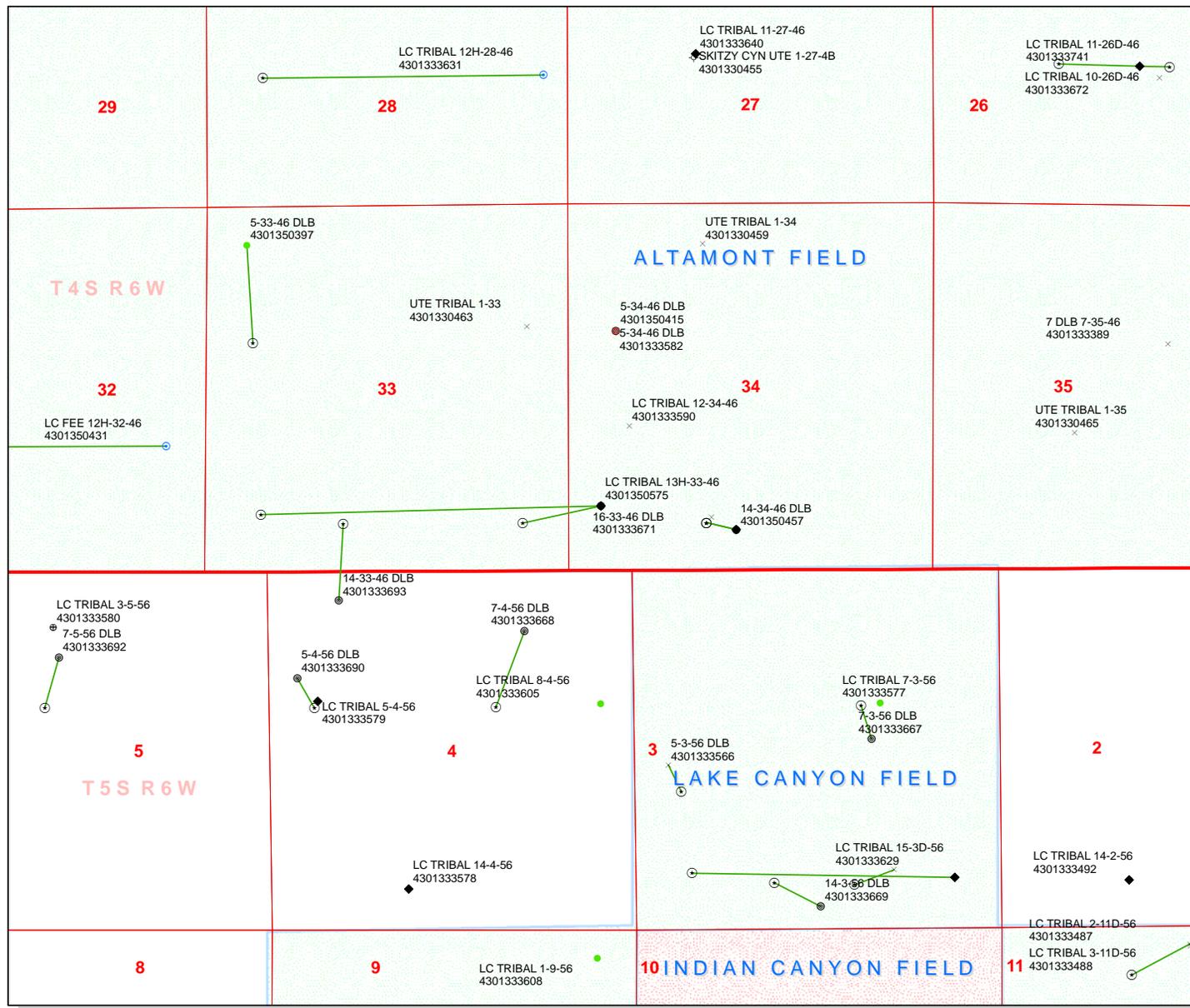
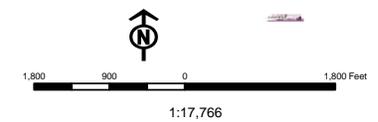
By:

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 6/24/2011	

API Number: 4301350575
Well Name: LC TRIBAL 13H-33-46
 Township T0.4 . Range R0.6 . Section 34
 Meridian: UBM
 Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|-------------------------------------|
| Units | Wells Query |
| STATUS | Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRIL - 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 |
| Fields | SGW - Shut-in Gas Well |
| STATUS | 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 | |





June 24, 2011

Ms. Diana Mason, Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

**RE: Horizontal Drilling
LC Tribal #13H-33-46
Sections 33 & 34, T4S-R6W, U.S.B.&M.
Duchesne County, Utah**

**Surface Hole Location: 904' FSL & 463' FWL, SWSW, 34-T4S-R6W, USB&M
Bottom Hole Location: 800' FSL & 800' FWL, SWSW, 33-T4S-R6W, USB&M**

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above-referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-2 pertaining to a temporary 640 acre spacing unit for a horizontal well.

- Tribal Exploration and Development Agreement #14-20-H62-5500, which includes all of the subject Section 33 and other lands, allows for the drilling of the LC Tribal #13H-33-46 well. In October of 2010, BBC drilled the 5-33-46 DLB Well and earned BIA Lease #14-20-H62-6304, covering 640 "deep depth" acres being further described in the Exploration and Development Agreement.
- The LC Tribal #13H-33-46 surface hole will be located in Section 34, drilled horizontally into Section 33 and will be perforated no less than 660 feet from the Section 33 Tribal Lease boundary, in accordance with R649-3-2(3).

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-2. If you should have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

BILL BARRETT CORPORATION

David Watts
David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

Jun. 24, 2011

BILL BARRETT CORPORATION
LC TRIBAL #13H-33-46
LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 34, T4S, R6W, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



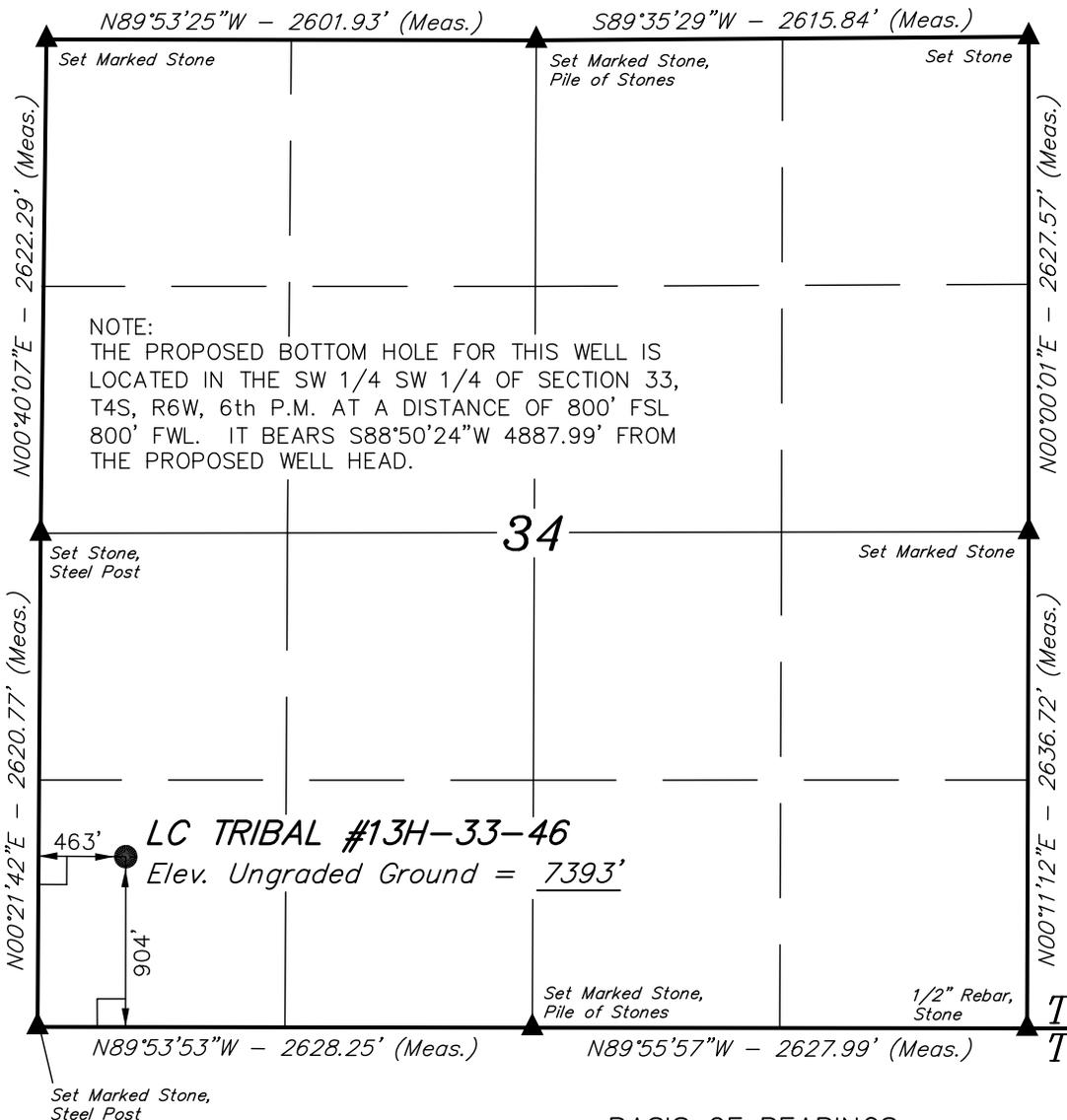
UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

TOPOGRAPHIC	04	26	07	PHOTO
MAP	MONTH	DAY	YEAR	
TAKEN BY: D.R.	DRAWN BY: C.P.		REV: C.A.G. 05-09-11	

RECEIVED
Jun. 24, 2011

Sundry Number: 16167 API Well Number: 43013505750000

T4S, R6W, U.S.B.&M.



NOTE:
 THE PROPOSED BOTTOM HOLE FOR THIS WELL IS LOCATED IN THE SW 1/4 SW 1/4 OF SECTION 33, T4S, R6W, 6th P.M. AT A DISTANCE OF 800' FSL 800' FWL. IT BEARS S88°50'24"W 4887.99' FROM THE PROPOSED WELL HEAD.

34

LC TRIBAL #13H-33-46
 Elev. Ungraded Ground = 7393'

T4S
 T5S

BASIS OF BEARINGS
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

- LEGEND:**
- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

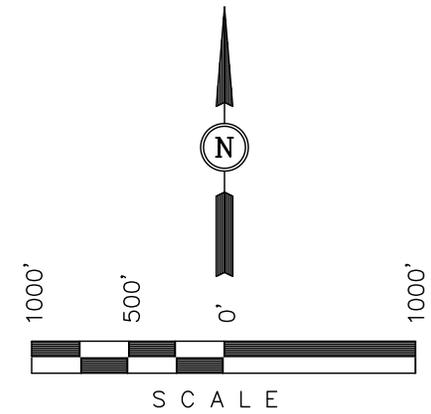
- (NAD 83)
 LATITUDE = 40°05'05.95" (40.084986)
 LONGITUDE = 110°33'24.83" (110.556897)
 (NAD 27)
 LATITUDE = 40°05'06.10" (40.085028)
 LONGITUDE = 110°33'22.27" (110.556186)

BILL BARRETT CORPORATION

Well location, LC TRIBAL #13H-33-46 (SURFACE LOCATION), located as shown in the SW 1/4 SW 1/4 of Section 34, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

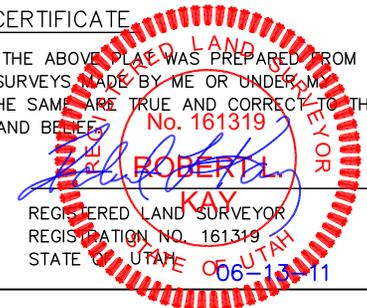
BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



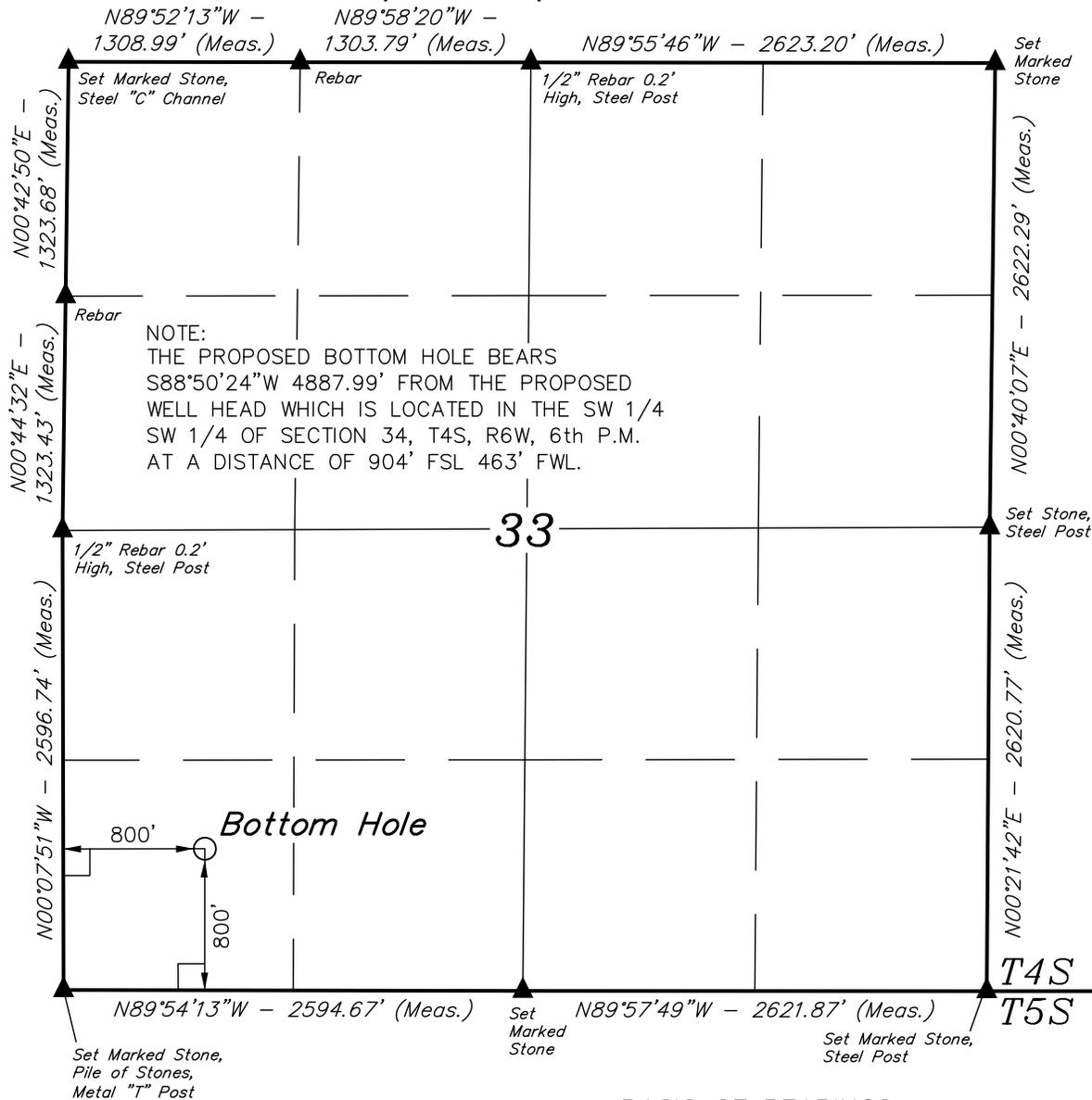
REVISED: 06-07-11

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 04-16-07	DATE DRAWN: 04-21-07
PARTY D.R. K.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BILL BARRETT CORPORATION	

RECEIVED April 24, 2011

Sundry Number: 16167 API Well Number: 43013505750000

T4S, R6W, U.S.B.&M.



NOTE:
 THE PROPOSED BOTTOM HOLE BEARS
 S88°50'24"W 4887.99' FROM THE PROPOSED
 WELL HEAD WHICH IS LOCATED IN THE SW 1/4
 SW 1/4 OF SECTION 34, T4S, R6W, 6th P.M.
 AT A DISTANCE OF 904' FSL 463' FWL.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

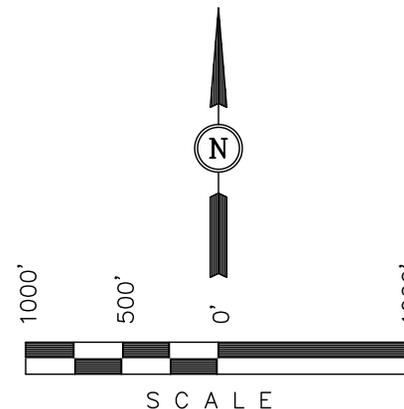
(NAD 83)
 LATITUDE = 40°05'04.85" (40.084681)
 LONGITUDE = 110°34'27.68" (110.574356)
 (NAD 27)
 LATITUDE = 40°05'05.00" (40.084722)
 LONGITUDE = 110°34'25.12" (110.573644)

BILL BARRETT CORPORATION

Well location, LC TRIBAL #13H-33-46 (BOTTOM HOLE), located as shown in the SW 1/4 SW 1/4 of Section 34, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

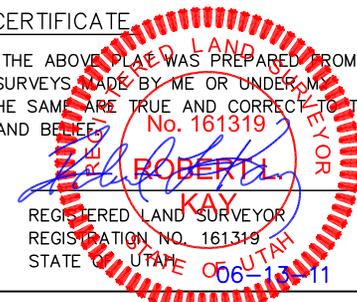
BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

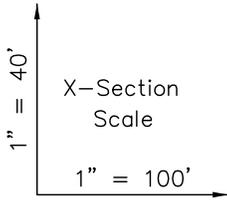
SCALE 1" = 1000'	DATE SURVEYED: 04-16-07	DATE DRAWN: 06-07-11
PARTY D.R. K.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BILL BARRETT CORPORATION	

RECEIVED June 24, 2011

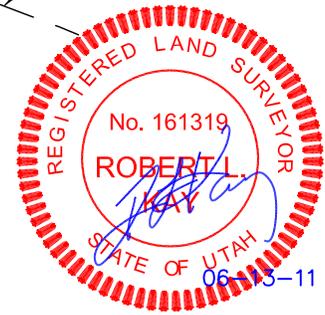
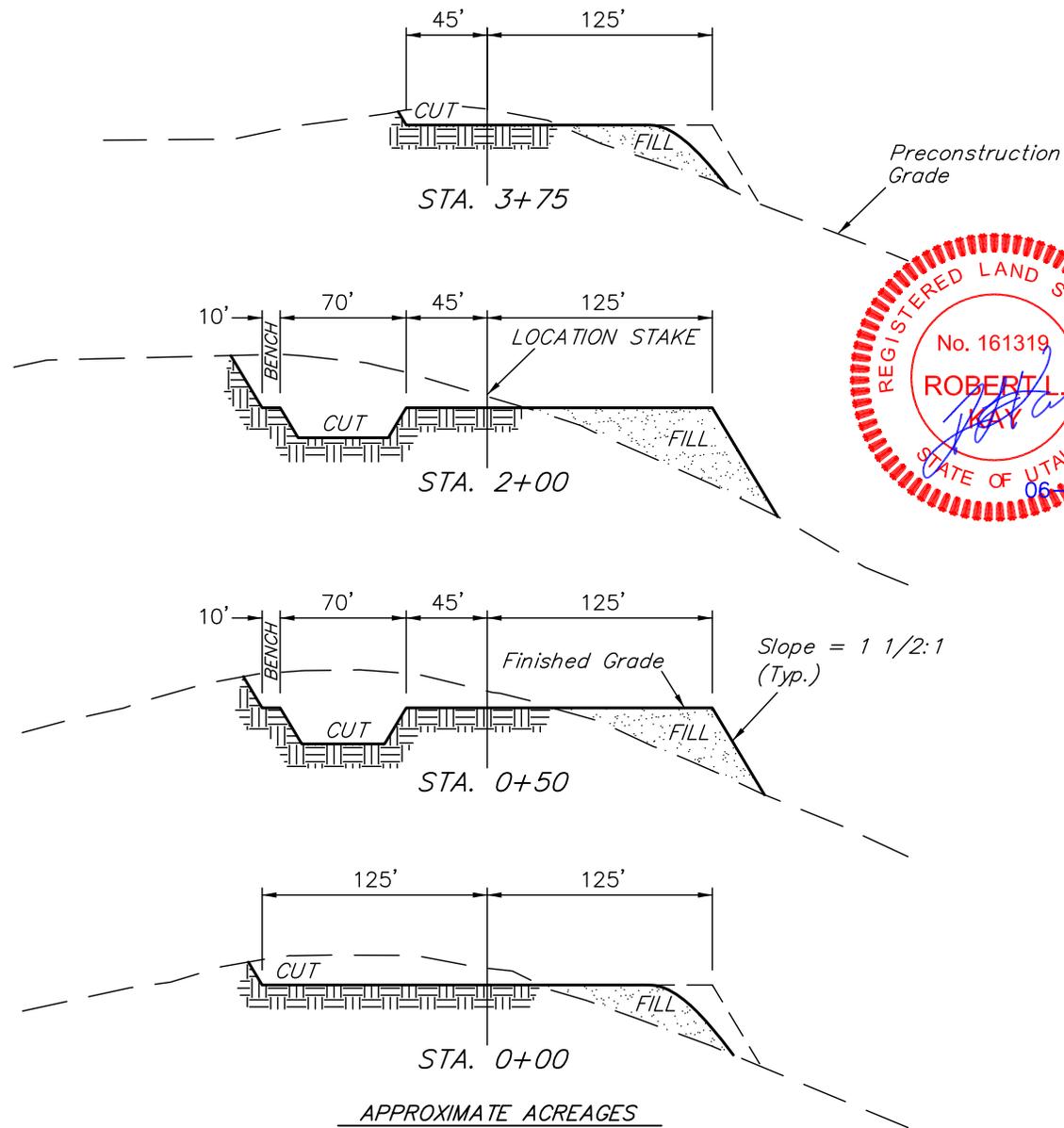
BILL BARRETT CORPORATION

FIGURE #2

TYPICAL CROSS SECTIONS FOR
 LC TRIBAL #13H-33-46
 SECTION 34, T4S, R6W, U.S.B.&M.
 904' FSL 463' FWL



DATE: 04-21-07
 DRAWN BY: P.M.
 REVISED: 06-07-11



NOTE:
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 2.757
ACCESS ROAD DISTURBANCE	= ± 0.135
PIPELINE DISTURBANCE	= ± 0.105
TOTAL	= ± 2.997

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,090 Cu. Yds.
Remaining Location	= 16,170 Cu. Yds.
TOTAL CUT	= 18,260 CU.YDS.
FILL	= 14,540 CU.YDS.

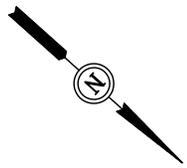
EXCESS MATERIAL	= 3,720 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,720 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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BILL BARRETT CORPORATION

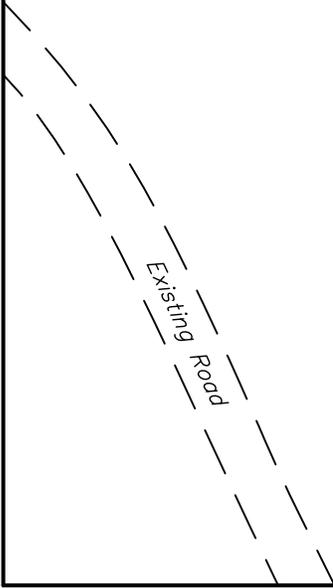
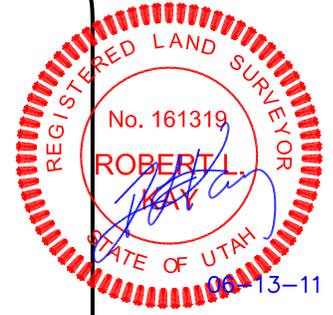
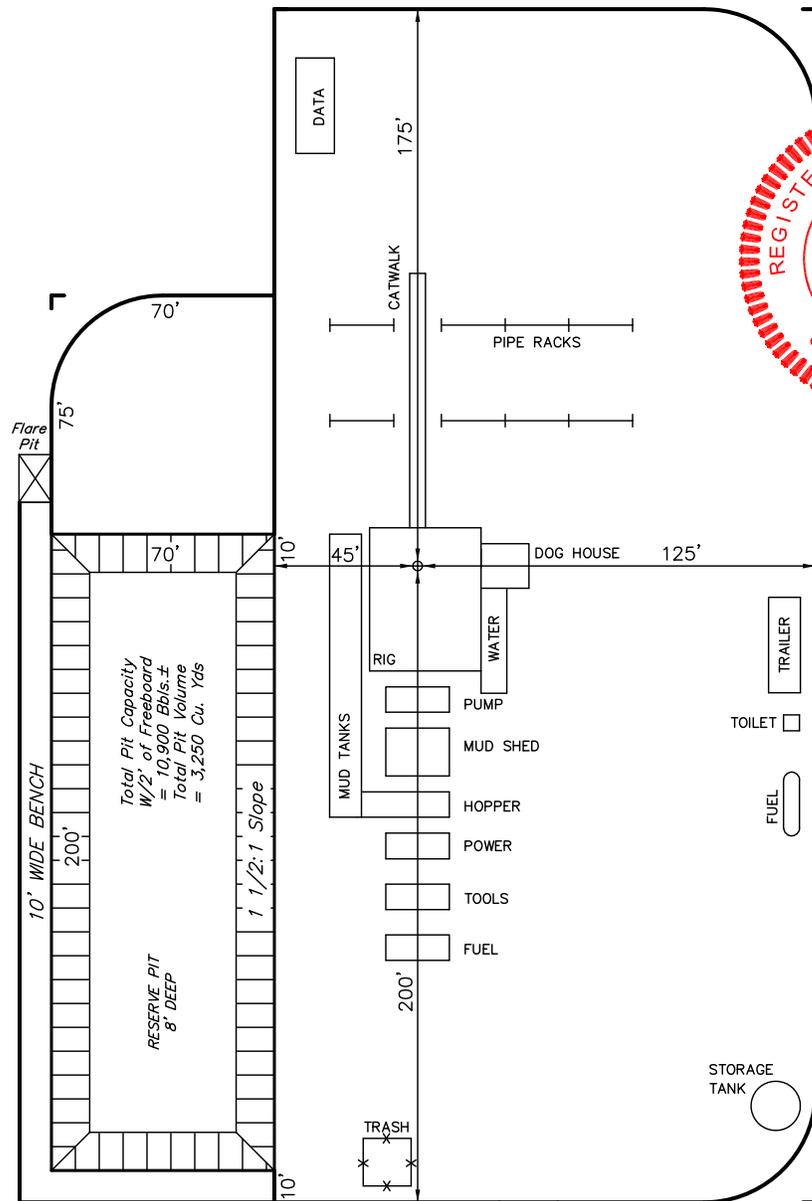
FIGURE #3

TYPICAL RIG LAYOUT FOR
LC TRIBAL #13H-33-46
SECTION 34, T4S, R6W, U.S.B.&M.
904' FSL 463' FWL



SCALE: 1" = 60'
DATE: 06-07-11
DRAWN BY: P.M.

NOTE:
Flare Pit is to
be located a min.
of 100' from the
Well Head.



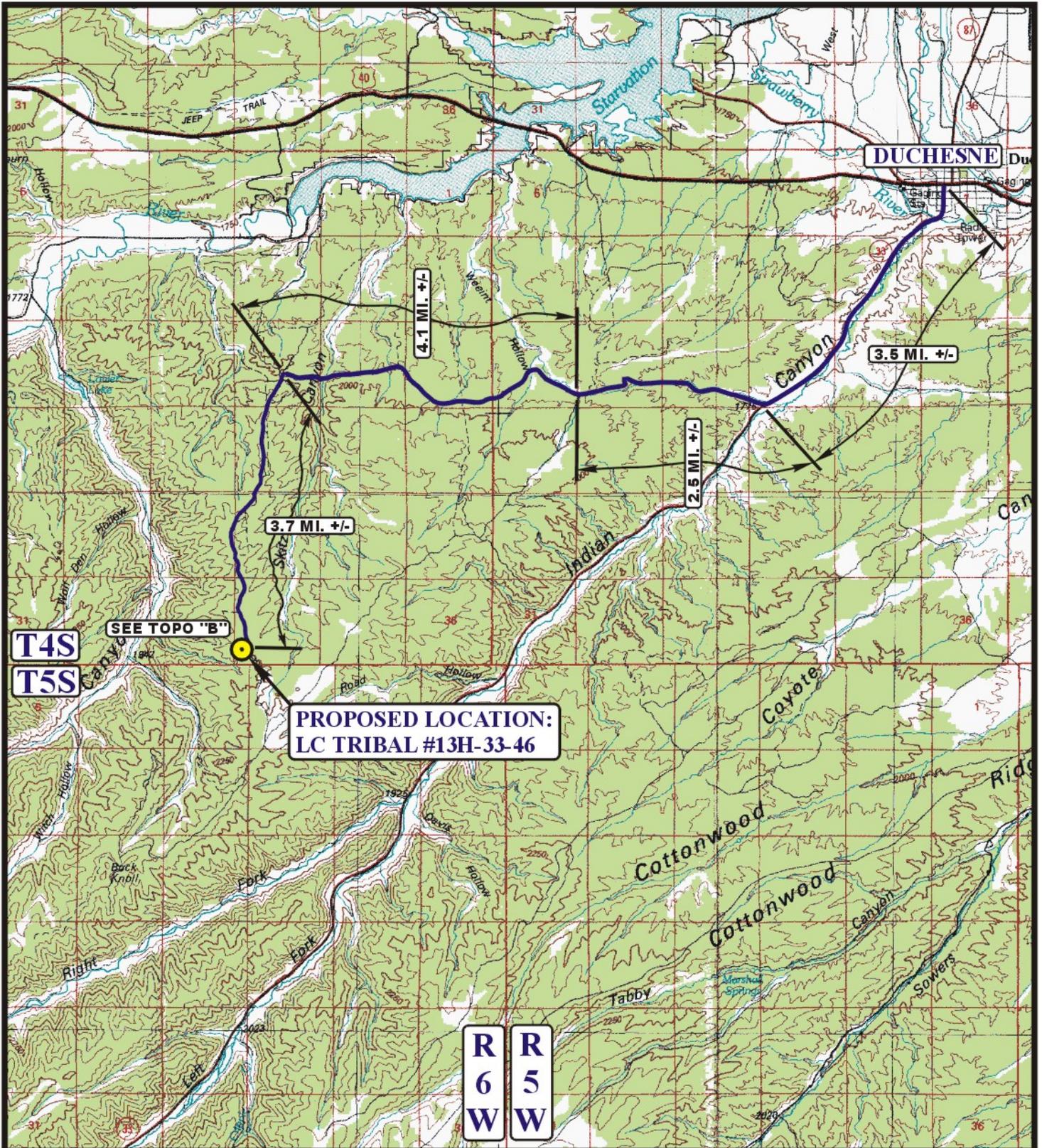
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**BILL BARRETT CORPORATION
LC TRIBAL #13H-33-46
SECTION 34, T4S, R6W, U.S.B.&M.**

PROCEED IN A SOUTHERLY DIRECTION FROM DUCHESNE, UTAH ALONG U.S. HIGHWAY 191 APPROXIMATELY 3.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 4.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 190' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 13.8 MILES.



LEGEND:

-  PROPOSED LOCATION
-  EXISTING 2-TRACK NEEDS UPGRADED



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 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAG (435) 789-1813



BILL BARRETT CORPORATION

LC TRIBAL #13H-33-46
SECTION 34, T4S, R6W, U.S.B.&M.
904' FSL 436' FWL

TOPOGRAPHIC
MAP

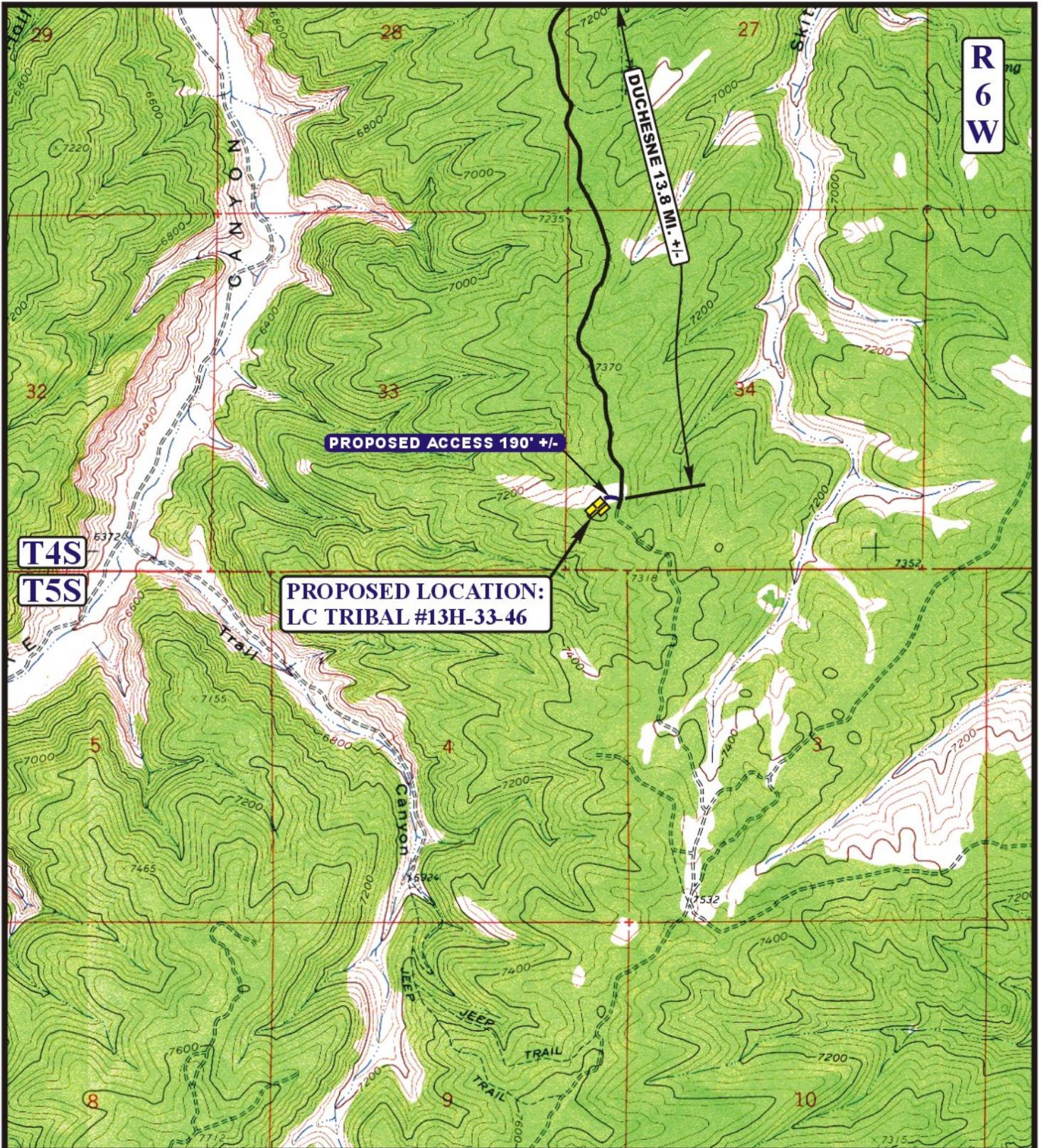
04 26 07
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REV: C.A.G. 05-09-11



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Jun. 24, 2011



R
6
W

T4S

T5S

PROPOSED LOCATION:
LC TRIBAL #13H-33-46

PROPOSED ACCESS 190' +/-

DUCHESENE 13.8 MI. +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING ROAD

BILL BARRETT CORPORATION

LC TRIBAL #13H-33-46
SECTION 34, T4S, R6W, U.S.B.&M.
904' FSL 436' FWL

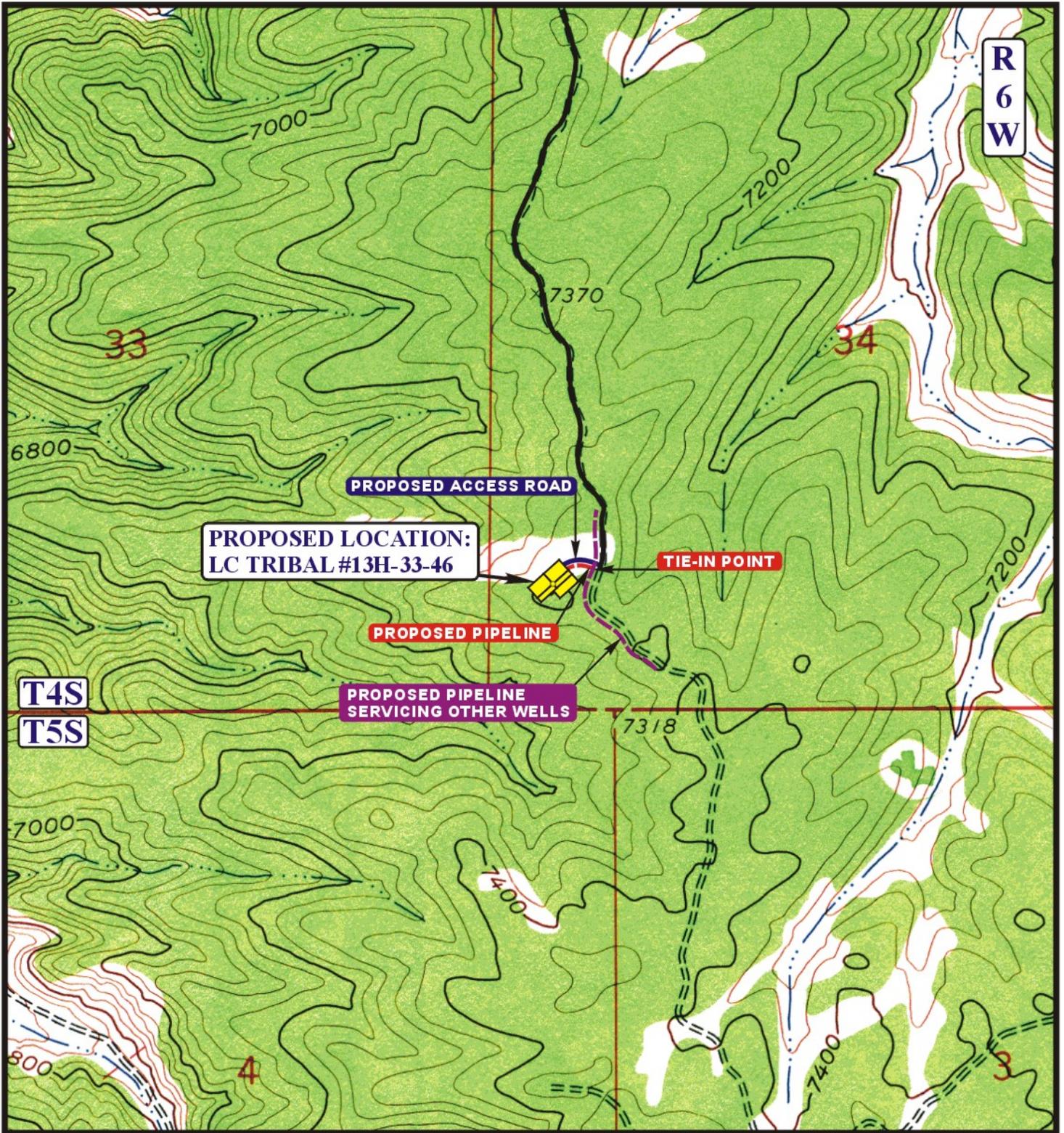


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TOPOGRAPHIC MAP **04 26 07**
MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REV: C.A.G.05-09-11





APPROXIMATE TOTAL PIPELINE DISTANCE = 220' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

LC TRIBAL #13H-33-46
SECTION 34, T4S, R6W, U.S.B.&M.
904' FSL 436' FWL



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TOPOGRAPHIC
MAP

04 26 07
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REV: C.A.G. 05-09-11

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TOPO

RECEIVED

Jun. 24, 2011

DRILLING PLAN

BILL BARRETT CORPORATION

LC Tribal 13H-33-46

SHL: SW SW, 904' FSL and 463' FWL, Section 34-T4S-R6W

BHL: SW SW, 800' FSL and 800' FWL, Section 33-T4S-R6W

Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a horizontal through the prospective zone within the Uteland Butte.

1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

HORIZONTAL LEG FORMATION TOPS

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
	773'	773'
Green River	1,000'	1,000'
Surface casing	1,413'	1,413'
Mahogany	2,553'	2,553'
TGR3	3,353'	3,353'
Douglas Creek	3,723'	3,723'
3 PT Marker	4,153'	4,153'
KOP	5,123'	5,123'
Castle Peak	4,379'	4,378'
Uteland Butte (Penetration Point)	4,739'	4,659'
CR1	4,861'*	4,709'
Landing Point	6,264'	5,839'
TD (CR1)	10,420'	5,748'

*PROSPECTIVE PAY

The Uteland Butte CR1 is the primary objective for oil/gas.

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
12-1/4"	surface	1,500'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 3/4"	surface	6,260'	7"	23.0 ppf	P-110	LT&C	New
6 1/8"	surface	10,420'	4 1/2" Liner with 4-1/2" Tieback for frac	11.6	P-110	LT&C	New

Drilling Plan
LC Tribal 13H-33-46
Duchesne Co., UT

5. Cementing Program

9 5/8" Surface Casing	Cement with approximately 190 sx Halliburton Light Premium cement with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx), and tail with 210 sx Premium 14.8 ppg (yield = 1.36 ft ³ /sx) calculated hole volume with 75% excess. <i>Top out cement</i> , if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft ³ /sk)
7" Intermediate Casing	<i>Lead</i> with approximately 280 sx Tune Light cement with additives, mixed at 11.0 ppg (yield = 3.14 ft ³ /sx). <i>Tail</i> with approximately 350 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx).
4 1/2" Liner with 4-1/2" Tieback to surface	<i>No cement will be used in this section. Swell packers will be run to isolate the production hole from the intermediate casing section.</i>
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to 200' inside of surface casing.	

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 1,500'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,500' – 3,000'	8.9 – 9.2	26 – 36	NC	Fresh Water with sweeps
3,000' – 6,260'	9.2 – 9.4	42 – 55	6 – 10	Fresh Water PHPA
6,260' – TD	9.0 – 9.5	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,500'	No pressure control required
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 5000 psi;	
- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

Drilling Plan
 LC Tribal 13H-33-46
 Duchesne Co., UT

8. Auxiliary Equipment

- a) Upper Kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD with GR as needed to land wellbore;
WL Logging	None in intermediate
Note: FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 2884 psi* and maximum anticipated surface pressure equals approximately 1600 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A - (0.22 x TD)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction: August, 2011
 Spud: August, 2011
 Duration: 25 days drilling time
 25 days completion time

Well name:	BTR/LC HZ Well
Operator:	BBC
String type:	Surface
Location:	Utah

Design parameters:

Collapse

Mud weight: 8.900 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: 75 °F
 Bottom hole temperature: 96 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft
 Minimum Drift: 8.750 in
 Cement top: Surface

Burst

Max anticipated surface pressure: 527 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 857 psi
 Annular backup: 9.50 ppg

Tension:

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

Tension is based on buoyed weight.
 Neutral point: 1,302 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 4,697 ft
 Next mud weight: 9.500 ppg
 Next setting BHP: 2,318 psi
 Fracture mud wt: 11.000 ppg
 Fracture depth: 1,500 ft
 Injection pressure 857 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)	Internal Capacity (ft³)
1	1500	9.625	36.00	K-55	ST&C	1500	1500	8.765	106.8

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	693	2020	2.913	527	3520	6.68	47	423	9.02 J

Bill Barrett

Date: June 23,2011
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1500 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.

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

Well name:	BTR/LC HZ Well
Operator:	BBC
String type:	Intermediate
Location:	Utah

Design parameters:**Collapse**

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

Burst

Max anticipated surface pressure: 1,683 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 3,036 psi

Annular backup: 9.50 ppg

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on buoyed weight.
Neutral point: 5,274 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 161 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft
Minimum Drift: 6.125 in
Cement top: 11 ft

Directional Info - Build & Hold

Kick-off point: 5580 ft
Departure at shoe: 604 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 93.1 °

Re subsequent strings:

Next setting depth: 5,980 ft
Next mud weight: 9.500 ppg
Next setting BHP: 2,951 psi
Fracture mud wt: 14.000 ppg
Fracture depth: 6,152 ft
Injection pressure: 4,474 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)	Internal Capacity (ft³)
1	6511	7	23.00	N-80	LT&C	6152	6511	6.25	300.9
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	3036	3575	1.177	1683	6340	3.77	121	442	3.64 J

Bill Barrett

Date: June 23, 2011
Denver, Colorado**Remarks:**

Collapse is based on a vertical depth of 6152 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

Jun. 24, 2011

Well name:	BTR/LC HZ Well
Operator:	N/A
String type:	Production Liner

Design parameters:**Collapse**

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

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 155 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Minimum Drift: 3.875 in

Burst

Max anticipated surface pressure: 1,572 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,837 psi

Annular backup: 9.50 ppg

Tension:

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

Tension is based on buoyed weight.
Neutral point: 5,703 ft

Liner top: 5,000 ft
Directional Info - Build & Hold
Kick-off point 5123 ft
Departure at shoe: 4885 ft
Maximum dogleg: 8 °/100ft
Inclination at shoe: 91.26 °

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	5418	4.5	11.60	P-110	LT&C	5748	10418	3.875	26104
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	2837	7580	2.672	205	10690	52.25	7.4	279	37.48 J

Bill Barrett

Date: June 23, 2011
Denver, Colorado

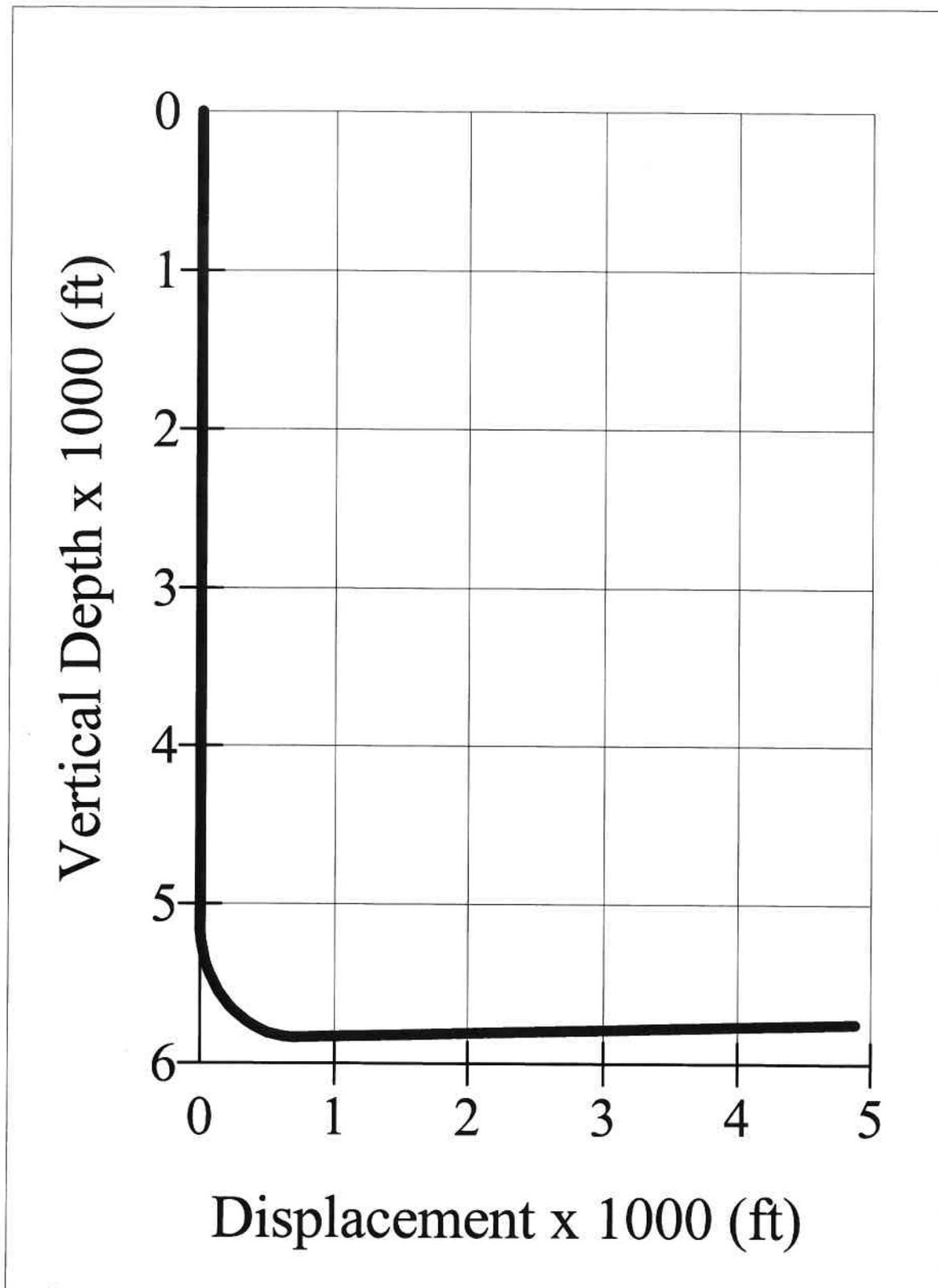
Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 5748 ft, a mud weight of 9.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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



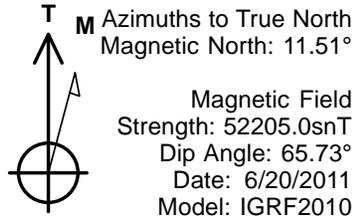


LC Tribal 13H-33-46 DLB

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	639409.71	2264071.32	40° 5' 6.10 N	110° 33' 22.27 W
NAD 1927 (NADCON CONUS)		US State Plane 1927 (Exact solution)		Utah Central 4302	

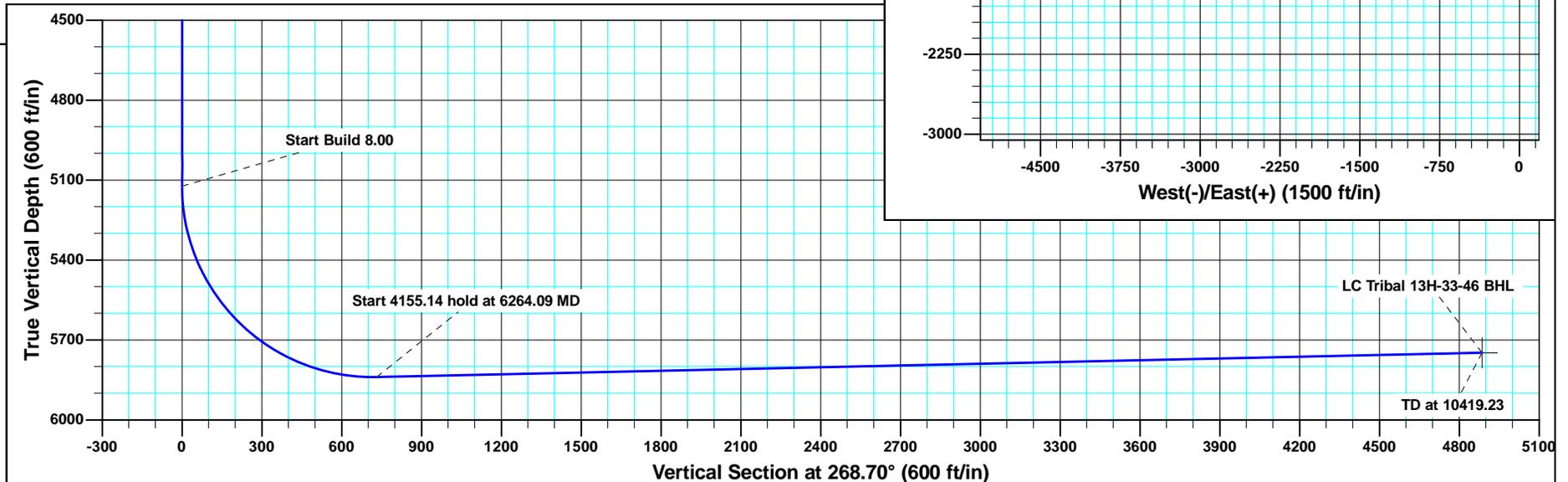
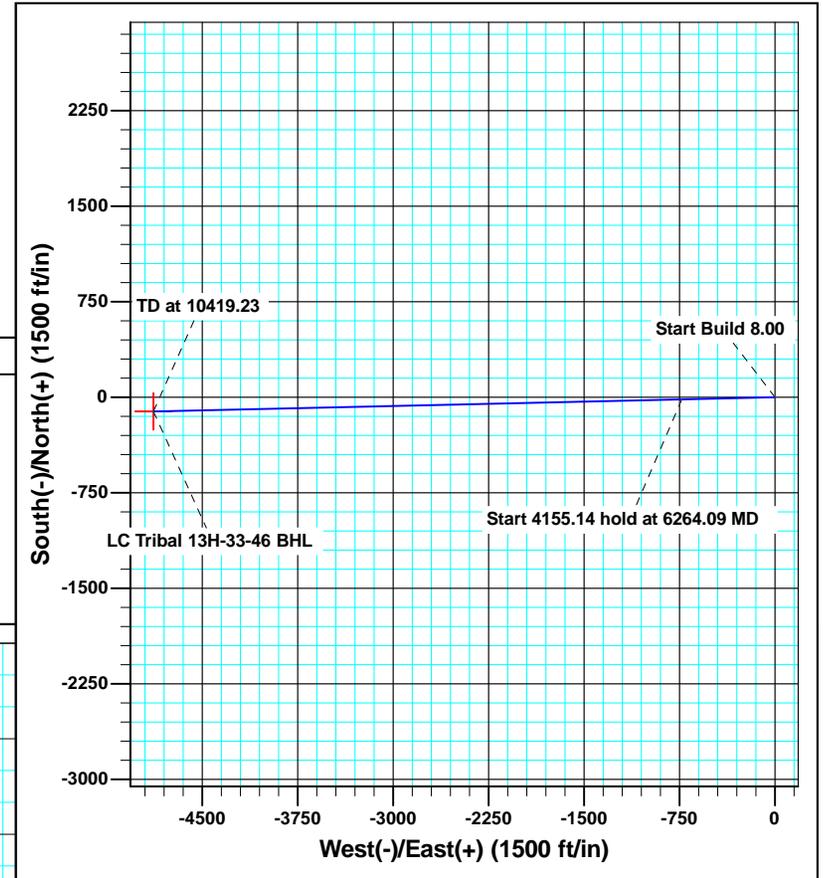


Ground Elevation: 7391.00 KB @ 7415.00ft



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5123.34	0.000	0.00	5123.34	0.00	0.00	0.00	0.00	0.00	
6264.09	91.260	268.70	5839.37	-16.60	-731.76	8.00	268.70	731.95	
10419.23	91.260	268.70	5748.00	-110.82	-4884.82	0.00	0.00	4886.08	LC Tribal 13H-33-46 BHL



Planning Report

Database:	CompassVM	Local Co-ordinate Reference:	Well Well #1
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 7415.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 7415.00ft
Site:	LC Tribal 13H-33-46 DLB	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	KB @ 24'		
Design:	plan1 20jun11 rbw		

Project	Duchesne County, UT [NAD27]		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	LC Tribal 13H-33-46 DLB				
Site Position:	Northing:	639,409.71 usft	Latitude:	40° 5' 6.10 N	
From:	Lat/Long	Easting:	2,264,071.32 usft	Longitude:	110° 33' 22.27 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.60 °

Well	Well #1					
Well Position	+N/-S	0.00 ft	Northing:	639,409.71 usft	Latitude:	40° 5' 6.10 N
	+E/-W	0.00 ft	Easting:	2,264,071.32 usft	Longitude:	110° 33' 22.27 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	7,391.00 ft

Wellbore	KB @ 24'				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/20/2011	11.51	65.73	52,205

Design	plan1 20jun11 rbw			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	268.70

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,123.34	0.000	0.00	5,123.34	0.00	0.00	0.00	0.00	0.00	0.00	
6,264.09	91.260	268.70	5,839.37	-16.60	-731.76	8.00	8.00	0.00	268.70	
10,419.23	91.260	268.70	5,748.00	-110.82	-4,884.82	0.00	0.00	0.00	0.00	LC Tribal 13H-33-46 E

Planning Report

Database:	CompassVM	Local Co-ordinate Reference:	Well Well #1
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 7415.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 7415.00ft
Site:	LC Tribal 13H-33-46 DLB	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	KB @ 24'		
Design:	plan1 20jun11 rbw		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,123.34	0.000	0.00	5,123.34	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 8.00										
5,200.00	6.132	268.70	5,199.85	-0.09	-4.10	4.10	8.00	8.00	0.00	
5,300.00	14.132	268.70	5,298.21	-0.49	-21.67	21.68	8.00	8.00	0.00	
5,400.00	22.132	268.70	5,393.17	-1.20	-52.76	52.77	8.00	8.00	0.00	
5,500.00	30.132	268.70	5,482.88	-2.20	-96.76	96.78	8.00	8.00	0.00	
5,600.00	38.132	268.70	5,565.58	-3.47	-152.81	152.85	8.00	8.00	0.00	
5,700.00	46.132	268.70	5,639.68	-4.99	-219.82	219.88	8.00	8.00	0.00	
5,800.00	54.132	268.70	5,703.73	-6.73	-296.49	296.57	8.00	8.00	0.00	
5,900.00	62.132	268.70	5,756.48	-8.65	-381.33	381.43	8.00	8.00	0.00	
6,000.00	70.132	268.70	5,796.91	-10.72	-472.68	472.80	8.00	8.00	0.00	
6,100.00	78.132	268.70	5,824.23	-12.90	-568.76	568.91	8.00	8.00	0.00	
6,200.00	86.132	268.70	5,837.91	-15.15	-667.72	667.89	8.00	8.00	0.00	
6,264.09	91.260	268.70	5,839.37	-16.60	-731.76	731.95	8.00	8.00	0.00	
Start 4155.14 hold at 6264.09 MD										
6,300.00	91.260	268.70	5,838.58	-17.42	-767.65	767.84	0.00	0.00	0.00	
6,400.00	91.260	268.70	5,836.38	-19.68	-867.60	867.82	0.00	0.00	0.00	
6,500.00	91.260	268.70	5,834.18	-21.95	-967.55	967.79	0.00	0.00	0.00	
6,600.00	91.260	268.70	5,831.98	-24.22	-1,067.50	1,067.77	0.00	0.00	0.00	
6,700.00	91.260	268.70	5,829.78	-26.49	-1,167.45	1,167.75	0.00	0.00	0.00	
6,800.00	91.260	268.70	5,827.58	-28.75	-1,267.40	1,267.72	0.00	0.00	0.00	
6,900.00	91.260	268.70	5,825.39	-31.02	-1,367.35	1,367.70	0.00	0.00	0.00	
7,000.00	91.260	268.70	5,823.19	-33.29	-1,467.30	1,467.67	0.00	0.00	0.00	
7,100.00	91.260	268.70	5,820.99	-35.56	-1,567.25	1,567.65	0.00	0.00	0.00	
7,200.00	91.260	268.70	5,818.79	-37.82	-1,667.20	1,667.62	0.00	0.00	0.00	
7,300.00	91.260	268.70	5,816.59	-40.09	-1,767.15	1,767.60	0.00	0.00	0.00	
7,400.00	91.260	268.70	5,814.39	-42.36	-1,867.10	1,867.58	0.00	0.00	0.00	
7,500.00	91.260	268.70	5,812.19	-44.63	-1,967.05	1,967.55	0.00	0.00	0.00	
7,600.00	91.260	268.70	5,809.99	-46.89	-2,067.00	2,067.53	0.00	0.00	0.00	
7,700.00	91.260	268.70	5,807.79	-49.16	-2,166.95	2,167.50	0.00	0.00	0.00	
7,800.00	91.260	268.70	5,805.60	-51.43	-2,266.90	2,267.48	0.00	0.00	0.00	
7,900.00	91.260	268.70	5,803.40	-53.70	-2,366.85	2,367.46	0.00	0.00	0.00	
8,000.00	91.260	268.70	5,801.20	-55.96	-2,466.80	2,467.43	0.00	0.00	0.00	
8,100.00	91.260	268.70	5,799.00	-58.23	-2,566.75	2,567.41	0.00	0.00	0.00	
8,200.00	91.260	268.70	5,796.80	-60.50	-2,666.70	2,667.38	0.00	0.00	0.00	
8,300.00	91.260	268.70	5,794.60	-62.77	-2,766.65	2,767.36	0.00	0.00	0.00	
8,400.00	91.260	268.70	5,792.40	-65.03	-2,866.60	2,867.33	0.00	0.00	0.00	
8,500.00	91.260	268.70	5,790.20	-67.30	-2,966.55	2,967.31	0.00	0.00	0.00	
8,600.00	91.260	268.70	5,788.00	-69.57	-3,066.50	3,067.29	0.00	0.00	0.00	
8,700.00	91.260	268.70	5,785.80	-71.84	-3,166.45	3,167.26	0.00	0.00	0.00	
8,800.00	91.260	268.70	5,783.61	-74.11	-3,266.40	3,267.24	0.00	0.00	0.00	
8,900.00	91.260	268.70	5,781.41	-76.37	-3,366.35	3,367.21	0.00	0.00	0.00	
9,000.00	91.260	268.70	5,779.21	-78.64	-3,466.30	3,467.19	0.00	0.00	0.00	
9,100.00	91.260	268.70	5,777.01	-80.91	-3,566.25	3,567.17	0.00	0.00	0.00	
9,200.00	91.260	268.70	5,774.81	-83.18	-3,666.20	3,667.14	0.00	0.00	0.00	
9,300.00	91.260	268.70	5,772.61	-85.44	-3,766.15	3,767.12	0.00	0.00	0.00	
9,400.00	91.260	268.70	5,770.41	-87.71	-3,866.10	3,867.09	0.00	0.00	0.00	
9,500.00	91.260	268.70	5,768.21	-89.98	-3,966.05	3,967.07	0.00	0.00	0.00	
9,600.00	91.260	268.70	5,766.01	-92.25	-4,066.00	4,067.04	0.00	0.00	0.00	
9,700.00	91.260	268.70	5,763.82	-94.51	-4,165.95	4,167.02	0.00	0.00	0.00	
9,800.00	91.260	268.70	5,761.62	-96.78	-4,265.90	4,267.00	0.00	0.00	0.00	
9,900.00	91.260	268.70	5,759.42	-99.05	-4,365.85	4,366.97	0.00	0.00	0.00	
10,000.00	91.260	268.70	5,757.22	-101.32	-4,465.80	4,466.95	0.00	0.00	0.00	
10,100.00	91.260	268.70	5,755.02	-103.58	-4,565.75	4,566.92	0.00	0.00	0.00	

Planning Report

Database:	CompassVM	Local Co-ordinate Reference:	Well Well #1
Company:	Bill Barrett Corp.	TVD Reference:	KB @ 7415.00ft
Project:	Duchesne County, UT [NAD27]	MD Reference:	KB @ 7415.00ft
Site:	LC Tribal 13H-33-46 DLB	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	KB @ 24'		
Design:	plan1 20jun11 rbw		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,200.00	91.260	268.70	5,752.82	-105.85	-4,665.70	4,666.90	0.00	0.00	0.00	
10,300.00	91.260	268.70	5,750.62	-108.12	-4,765.65	4,766.88	0.00	0.00	0.00	
10,400.00	91.260	268.70	5,748.42	-110.39	-4,865.60	4,866.85	0.00	0.00	0.00	
10,419.23	91.260	268.70	5,748.00	-110.82	-4,884.82	4,886.08	0.00	0.00	0.00	
TD at 10419.23										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
LC Tribal 13H-33-46 BH - hit/miss target - Shape - Point	0.000	0.00	5,748.00	-110.82	-4,884.82	639,247.35	2,259,187.95	40° 5' 5.00 N	110° 34' 25.12 W	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,045.00	2,045.00	Green River		0.00		
2,555.00	2,555.00	Mahogany		0.00		
3,765.00	3,765.00	TGR3		0.00		
4,575.00	4,575.00	Douglas Creek		0.00		
4,925.00	4,925.00	3PT Marker		0.00		
5,235.46	5,235.00	Black Shale Facies		0.00		
5,537.74	5,515.00	Castle Peak		0.00		
5,954.24	5,780.00	Utleand Butte		0.00		
6,131.30	5,830.00	CR1		0.00		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
5,123.34	5,123.34	0.00	0.00	Start Build 8.00	
6,264.09	5,839.37	-16.60	-731.76	Start 4155.14 hold at 6264.09 MD	
10,419.23	5,748.00	-110.82	-4,884.82	TD at 10419.23	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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		8. WELL NAME and NUMBER: LC TRIBAL 13H-33-46
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013505750000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALMAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/17/2011 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <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 type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well was spud on Saturday, 9/17/2011 at 11:00 am by Pete Marting Drilling.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 9/20/2011

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Pete Martin Drilling
 Submitted By Venessa Langmach Phone Number 303-312-8172
 Well Name/Number LC Tribal 13H-33-46
 Qtr/Qtr swws Section 34 Township 4S Range 6W
 Lease Serial Number 2OG0005500
 API Number 4301350575

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 09/17/2011 8:00 AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
 Intermediate Casing
 Production Casing
 Liner
 Other

RECEIVED

SEP 15 2011

DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

BOPE

- Initial BOPE test at surface casing point
 BOPE test at intermediate casing point
 30 day BOPE test
 Other

Date/Time _____ AM PM

Remarks _____

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

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
 Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350575	LC Tribal 13H-33-46		SWSW	34	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18223	9/17/2011			9/21/11	
Comments: Spudding Operation was conducted by Pete Martin Drilling @ 11:00 am. GR-WS BHL = Sec 33 SESE							

CONFIDENTIAL

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)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

9/20/2011

Date

RECEIVED
SEP 20 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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		8. WELL NAME and NUMBER: LC TRIBAL 13H-33-46
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013505750000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALMAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <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 type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
September 2011 monthly drilling activity report: well spud.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 10/5/2011

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# HP319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number LC TRIBAL 13H-33-46
Qtr/Qtr SW/SW Section 34 Township 4S Range 6W
Lease Serial Number 1420H626304
API Number 43-013-50575

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

RECEIVED

OCT 14 2011

DIV. OF OIL, GAS & MINING

Date/Time 10/14/2011 11:00 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time 10/15/2011 01:00 AM PM

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By Glenn Randel Phone Number 970-623-7078
Well Name/Number LC TRIBAL 13H-33-46
Qtr/Qtr SW/SW Section 34 Township 4S Range 6W
Lease Serial Number 1420H626304
API Number 43-013-50575

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

RECEIVED

OCT 26 2011

DIV. OF OIL, GAS & MINING

Date/Time 10/27/11 06:30 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time 10/28/11 01:30 AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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		8. WELL NAME and NUMBER: LC TRIBAL 13H-33-46
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013505750000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALMAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2011	<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. October 2011 Monthly Drilling Activity Report attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 11/3/2011

**LC Tribal 13H-33-46 10/10/2011 18:00 - 10/11/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	0.00	18:00	1	RIGUP & TEARDOWN	RIG DN WO DALIGHT

LC Tribal 13H-33-46 10/11/2011 06:00 - 10/12/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	MOVE BACK YARD AND RIG UP SAME. LOAD OUT DERRICK, DOG HOUSE AND DRAWTOOL. CRANE OPERATIONS STOPPED @ 2:30 PM BECAUSE THEY DID NOT HAVE BIG ENOUGH SHACKLES TO PICK CENTER STEEL.

LC Tribal 13H-33-46 10/12/2011 06:00 - 10/13/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	MOVE SUBS F/ OLD LOC. RIG UP SET SUBS MOVE RIG TRAILERS. PUT DERRICK ON FLOOR AND RAISE. LOCATION SO SMALL ONLY ABLE TO TO PERFORM ONE OPERATION AT A TIME. DOCK TOP DRIVE RIG UP YELLOW DOG FILL MUD TANKS. SET CAT WALK P/U CONDUCTOR. ELECTRICITION COMING TO FIX TOP DRIVE AND CAMERAS IN DERRICK.

LC Tribal 13H-33-46 10/13/2011 06:00 - 10/14/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	1	RIGUP & TEARDOWN	RIG UP FINISH NIPPLE UP. HANG WIND WALLS, STOW CYLANDERS F/ DERRICK W/ CRANE.
12:00	3.25	15:15	6	TRIPS	LOAD PIPE RACKS STRAP BHA. P/U BHA. OREINTATE MWD.
15:15	0.50	15:45	7	LUBRICATE RIG	RIG SERVICE. CHANGE DIES IN ST80.
15:45	13.75	05:30	2	DRILL ACTUAL	DRLG 12 1/4" SURFACE HOLE 104' TO 1505' (1401' IN 13.75HR = 101.9 FPH) SLIDE: 50' IN .75 HR = 66.7 FPH, ROTATE: 1351' IN 13 HR = 103.9 FPH
05:30	0.50	06:00	5	COND MUD & CIRC	CIRC COND F/ CASING

LC Tribal 13H-33-46 10/14/2011 06:00 - 10/15/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	SHORT TRIP TO DCS
07:30	0.50	08:00	5	COND MUD & CIRC	CIRC. COND F/ CASING
08:00	2.00	10:00	6	TRIPS	TOOH, L/D DIRC. TOOLS
10:00	3.25	13:15	12		HSM, RIG UP WEATHERFORD. RUN CASING. FS (1.00), SHOE JT (39.01), FC (1.00), 34 JTS 9 5/8" J55 36# ST&C CASING. LANED @ 1500' MADE UP W/ BESTOLIFE DOPE TO 3940 FT/LB.
13:15	2.00	15:15	5	COND MUD & CIRC	CIRC. CASING W/ RIG PUMP. RIG DN WEATHERFORD. HSM, RIG UP HES. LOCTION SO SMALL COULD NOT HES AROUND RIG.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
15:15	1.50	16:45	12	RUN CASING & CEMENT	CEMENT, 20 BLS H2O, 200 SKS EXTENDACHEM11# 3.16 YEILD W/ .25 LBM KWIK SEAL, .125 POLY-E-FLAKE, 1 LBM GRANULITE. TAILED W/ 220 SKS HALCHEM 14# 1.53 YEILD W/ .125 POLY FLAKE, 1LBM GRANULITE. DISPLACED W/ 113 BLS H2O. LAND PLUG. FLOATS HELD. CEMENT FELL OUT OF SIGHT IN 25 MINS.
16:45	0.50	17:15	15	TEST B.O.P	TEST CASING TO 1500# F/ 30 MINS.
17:15	2.25	19:30	13	WAIT ON CEMENT	WOC.
19:30	0.50	20:00	12	RUN CASING & CEMENT	W/ 5 BLS PREMIUM 15.8# 1.17 YEILD W/ 2% CACL. CEMENT STAYED.
20:00	0.50	20:30	7	LUBRICATE RIG	RIG SERVICE
20:30	1.00	21:30	13	WAIT ON CEMENT	WOC
21:30	3.75	01:15	14	NIPPLE UP B.O.P	WELD ON WELL HEAD AND TEST TO 1000# F 10 MINS.
01:15	1.25	02:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP.
02:30	3.50	06:00	15	TEST B.O.P	TEST BP TEST ALL RAMS AND VALVES 5000# F/ 10MINS, TEST ANNULAR TO 2500# F

LC Tribal 13H-33-46 10/15/2011 06:00 - 10/16/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	14	NIPPLE UP B.O.P	INSTALL WEAR BUSHING
06:30	1.75	08:15	20	DIRECTIONAL WORK	P/U BHA, ORENTATE.
08:15	0.75	09:00	6	TRIPS	TIH
09:00	1.25	10:15	21	OPEN	DRLG SHOE TRACK
10:15	0.50	10:45	22	OPEN	PERFORM FIT
10:45	0.50	11:15	2	DRILL ACTUAL	DRLG 8 3/4" INTERMEDIATE HOLE F/ 1505' TO 1605' @ 200 FPH. MM6 3/4" HUNTING 7/8 LOBE 3.0 STAGE .15 GPR ADJ 1.5 BEND 6.21 BTB. STARTED LOSING MUD @ 1605' 50 BLS
11:15	0.50	11:45	7	LUBRICATE RIG	RIG SERVICE, WO INCODER ON TOP DRIVE
11:45	8.25	20:00	2	DRILL ACTUAL	DRLG F/1605' TO 2453' (848' IN 8.25 HR = 102.8 FPH) SLIDE: 69' IN 1 HR = 69 FPH, ROTATE: 779' IN 7.25 HR = 107.5 FPH. STILL LOSING MUD RAISE LCM TO 15%.
20:00	0.50	20:30	20	DIRECTIONAL WORK	RELOG 90' GAMMA WENT DOWN.
20:30	9.50	06:00	2	DRILL ACTUAL	DRLG F/ 2453' TO 3320' (867' IN 9.5 HR = 91.3 FPH) SLIDE: 38' IN 1.5 HR = 25 FPH, ROTATE: 829' IN 8 HR = 103.7 FPH. RAISE LCM TO 20%.
06:00		06:00			

LC Tribal 13H-33-46 10/16/2011 06:00 - 10/17/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.75	09:45	2	DRILL ACTUAL	DRLG F/ 3320' TO 3700' (380' IN 3.75 HR = 101.3 FPH) SLIDE: 10' IN .25 HR 40 FPH, ROTATE: 370' IN 3.5 HR = 105.7 FPH. MM6 3/4" HUNTING 7/8 LOBE 3.0 STAGE .15 GPR ADJ 1.5 BEND 6.21 BTB. WHILE MAKING CONN @ 3677' LOST ALL RETURNS.
09:45	3.50	13:15	5	COND MUD & CIRC	MIX LCM AND PUMP DOWN BACK SIDE. @30 SPM. GOT HOLE FULL BUT COULD NOT CIRC.
13:15	8.25	21:30	6	TRIPS	TOOH 20 STDS, TRY BREAK CIRC. STRING PLUGGED. TOOH. CLEAN OUT MM AND MWD PLUGGED W/ LCM. TIH. BREAK CIRC. W/ DC IN HOLE, 1500' AND 2500'.
21:30	0.50	22:00	7	LUBRICATE RIG	RIG SERVICE
22:00	4.25	02:15	2	DRILL ACTUAL	DRLG F/ 3700 TO 3947' (247' IN 2.5 HR = 98.8) SLIDE:18' IN 1 HR = 18 FPH. ROTATE: 229' IN 3.5 HR = 65.4 FPH.
02:15	3.00	05:15	1	RIGUP & TEARDOWN	WHILE MAKING CONN @ 3947' LOST RETURNS MIX LCM BUILD VOLUME. PUMP DOWN BACK SIDE UNTIL FULL STAGE UP PUMP ON INSIDE. PUMPING 35% LCM 42 VIS 8.4 WT.
05:15	0.75	06:00	2	DRILL ACTUAL	DRLG F/ 3947 TO 3994' (47' IN .75 HR = 62.7 FPH, SLIDE 12' IN .5 HR = 24 FPH. ROTATE: 35' IN .25 HR = 140 FPH. LOSING 1.5 BL/MIN. W/ 35% LCM.

**LC Tribal 13H-33-46 10/17/2011 06:00 - 10/18/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	2	DRILL ACTUAL	DRLG F/ 3994 TO 4051 (57' IN 1.25 HR = 45.6 FPH) SLIDE:8' .75 HR = 10.7 FPH, ROTATE: 49' IN .75 HR = 65.3 FPH. MM6 3/4" HUNTING 7/8 LOBE 3.0 STAGE .15 GPR ADJ 1.5 BEND 6.21 BTB. LOST RETURNS @ 4082'
07:15	3.00	10:15	5	COND MUD & CIRC	MIX LCM BUILD VOLUME FILL HOLE ON BACK SIDE THEN STAG UP ON INSIDE.
10:15	0.50	10:45	2	DRILL ACTUAL	DRLG F/ 4082' TO 4102
10:45	0.25	11:00	5	COND MUD & CIRC	SLOW PUMPS TO GET FULL RETURNS
11:00	5.50	16:30	2	DRILL ACTUAL	DRLG F/ 4102 TO 4419' (317' IN 5.5 HR = 57.6 FPH) SLIDE:16' IN 1.25 HR = 12.8 FPH, ROTATE:301' IN 4.25 HR 70.8 FPH. START OUT WITH 300GPM AND WORK UP TO 430 GPM
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	13.00	06:00	2	DRILL ACTUAL	DRLG F/ 4419' TO 4921' (502' IN 13 HR = 38.6 FPH) SLIDE: 219' IN 9 HR = 24.3 FPH, ROTATE: 283' IN 4 HR = 70.8 FPH. START BUILD @ 4700' NO LOSSES W/ 30% LCM IN MUD.

LC Tribal 13H-33-46 10/18/2011 06:00 - 10/19/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	2	DRILL ACTUAL	DRLG F/ 4921' TO 5079' (158' IN 7 HR = 22.6 FPH) ALL SLIDING
13:00	1.25	14:15	5	COND MUD & CIRC	CIRC. MIX DRY SLUG AND PUMP
14:15	7.00	21:15	6	TRIPS	TOOH, L/D DCS AND BHA, PICK UP NEW BHA, PU/ 6 3/4" ORENTATE. TIH
21:15	0.75	22:00	3	REAMING	P/U 2 STDS. REAM 120' TO BOTTOM.
22:00	8.00	06:00	2	DRILL ACTUAL	DRLG F/ 5079' TO 5299' (220' IN 8 HR = 27.5 FPH) SLIDE:160' IN 5 HR = 32FPH, ROTATE: 60' IN 3 HR = 20 FPH. LAST SURVEY 5242' 26.26 DEG, 264.21 AZ. 26' ABOVE AND 26.51 NORTH OF PLAN. MUD 42 VIS 9.1 WT NOT LOSING. MM 6 3/4" SPERRY DRILL 6/7 LOBE 5 STAGE 1.75 FIXED 4.90 BTB.

LC Tribal 13H-33-46 10/19/2011 06:00 - 10/20/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5299-5338'.
07:00	0.25	07:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5338-5347'.
07:15	1.25	08:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5347-5380'.
08:30	0.50	09:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5380-5394'.
09:00	0.75	09:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5394-5427'.
09:45	0.25	10:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5427-5441'.
10:00	1.00	11:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5441-5472'.
11:00	0.50	11:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5472-5488'.
11:30	1.25	12:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5488-5526'.
12:45	0.25	13:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5526-5535'.
13:00	1.50	14:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5535-5579'.
14:30	0.25	14:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5579-5582'.
14:45	0.50	15:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
15:15	0.75	16:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5582-5611'.
16:00	0.50	16:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5611-5629'.
16:30	1.25	17:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5629-5662'.
17:45	0.50	18:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5662-5677'.
18:15	1.25	19:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5677-5714'.
19:30	0.25	19:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5714-5723'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
19:45	1.25	21:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5723-5758'.
21:00	0.50	21:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5758-5770'.
21:30	1.25	22:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5770-5803'.
22:45	0.50	23:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5803-5818'.
23:15	0.75	00:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5818-5842'. LOST MAJORITY OF RETURNS AT 5840'.
00:00	0.75	00:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5842-5855'. SLOW PUMP RATE & MIX LCM.
00:45	2.25	03:00	2	DRILL ACTUAL	BUILD MUD VOLUME & MIX LCM (27%). REGAINED 95% RETURNS. SHAKERS BYPASSED.
03:00	0.50	03:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5855-5864'.
03:30	1.50	05:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5864-5898'.
05:00	0.25	05:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5898-5912'.
05:15	0.75	06:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5912-5928'. SHAKE OUT LCM.

LC Tribal 13H-33-46 10/20/2011 06:00 - 10/21/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5928-5934'.
06:15	0.75	07:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5934-5959'.
07:00	0.75	07:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5959-5979'.
07:45	0.75	08:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5979-6006'.
08:30	1.25	09:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6006-6034'.
09:45	0.50	10:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6034-6054'.
10:15	0.50	10:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6054-6064'.
10:45	1.00	11:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6064-6101'.
11:45	0.50	12:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6101-6111'.
12:15	0.75	13:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6111-6148'.
13:00	1.25	14:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6148-6178'.
14:15	0.50	14:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6178-6195'. LOST 100% RETURNS @ 6180'. SLOW PUMP TO 450 GPM & MIX LCM. SHAKERS BYPASSED.
14:45	0.50	15:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6195-6203'. NO RETURNS.
15:15	2.25	17:30	5	COND MUD & CIRC	CIRCULATE @ 198 GPM, BUILD VOLUME & MIX LCM. NO RETURNS.
17:30	3.00	20:30	6	TRIPS	PULL ROTATING RUBBER & INSTALL TRIP NIPPLE. POH TO SHOE. ATTEMPT TO FILL HOLE FROM BACKSIDE @ 45 GPM.
20:30	9.50	06:00	5	COND MUD & CIRC	MAKE UP TOP DRIVE & PUMP THRU STRING @ 23 GPM BUILDING VOLUME & MIXING LCM TO 25%+. FIRST STARTED GETTING RETURNS WHEN FILLING ANNULUS @ 03:00, THEN LOST RETURNS AGAIN WHEN PUMPING DOWN STRING. ALTERNATED BACK & FORTH UNTIL ~04:30 WHEN LOSSES WERE ~40 BPH PUMPING DOWN STRING @ 270 GPM. BUILDING VOLUME IN PREPARATION FOR RIH. WORKING ON MUD TANKS, EQUALIZERS PLUGGED PARTIALLY W/LCM.

LC Tribal 13H-33-46 10/21/2011 06:00 - 10/22/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	5	COND MUD & CIRC	WITH BIT @ SHOE, WORK ON MUD TANKS TO CLEAR BLOCKAGES OF LCM. LOST RETURNS AGAIN WHEN INCREASING PUMP RATE FROM 360 TO 450 GPM. SLOW PUMP & INCREASE LCM MIX RATE & FILL MUD TANKS.
14:30	1.50	16:00	5	COND MUD & CIRC	WITH BIT @ SHOE & WITH 30% LCM, PUMP DOWN DP STAGING PUMP FROM 40 SPM TO 100 SPM @ 10 SPM PER 10 MIN.
16:00	1.75	17:45	6	TRIPS	RIH @ 70 FPM TO 4650'. RETURNS APPEARED TO BE 100%.
17:45	0.75	18:30	5	COND MUD & CIRC	MAKE UP TOP DRIVE, FILL STRING & ATTEMPT TO COMMENCE CIRCULATING. STRING PLUGGED. WORKED/PRESSURED UP STRING IN UNSUCCESSFUL ATTEMPT TO UNPLUG.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
18:30	5.25	23:45	6	TRIPS	POH WET TO UNPLUG STRING. FOUND 1 STAND DP PLUGGED W/LCM 5 STANDS ABOVE SPERRY TOOL, ALSO FOUND FLOAT ON TOP OF MOTOR & BIT JETS PLUGGED. LCM MOSTLY SAWDUST. STOOD BACK SPERRY TOOLS.
23:45	2.75	02:30	6	TRIPS	MAKE UP 6 1/2 BULLNOSE & FLOAT SUB ON BOTTOM OF HWDP & RIH TO 4700'. FILLED STRING.
02:30	1.25	03:45	5	COND MUD & CIRC	STRING PRESSURED UP. WORKED & RE-PRESSURED STRING IN UNSUCCESSFULL ATTEMPT TO UNPLUG. TOP DRIVE & ALL SURFACE LINES BACK TO PUMPS HAD BEEN BLOWN DRY & NO MUD PUT IN STRING ON TRIP IN. THE CALCULATED NUMBER OF PUMP STROKES WERE REQUIRED TO FILL THE STRING.
03:45	2.25	06:00	6	TRIPS	POH DROPPING RABBIT THRU EACH STAND LOOKING FOR PLUG. NO LOSSES SEEN SINCE ~15:00 HRS, 10/21/11.

LC Tribal 13H-33-46 10/22/2011 06:00 - 10/23/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.75	07:45	6	TRIPS	CONTINUE TO POH WET DRIFTING EACH STAND LOOKING FOR PLUG. FOUND BOTTOM STAND HWDP PLUGGED W/LCM.
07:45	1.00	08:45	6	TRIPS	CLEAN LCM OUT OF 3 JTS HWDP & CHECK & LAY DOWN FLOAT SUB & FLOAT. CLEAN UP RIG FLOOR.
08:45	2.75	11:30	6	TRIPS	RIH TO 4700' BREAKING CIRCULATION EVERY 5 STANDS. BHA: 6 1/2" BULLNOSE, 33 X 4 1/2" HWDP.
11:30	0.50	12:00	6	TRIPS	CIRCULATE @ 495 GPM, ROTATE & RECIPROCATE.
12:00	0.75	12:45	6	TRIPS	RIH TO 5625'.
12:45	3.25	16:00	3	REAMING	WASH 5625-6140', ROTATING 100 RPM. TIGHT HOLE & PACKOFF. WORK STRING FREE & STAND BACK ONE STAND TO 6110'. RE-WASH 6110-6200'.
16:00	3.50	19:30	5	COND MUD & CIRC	CIRCULATE 2X BOTTOMS UP ROTATING 100 RPM, PUMPING 495 GPM & RECIPROCATING 95'. AT 18:00 HRS, SHAKING OUT LCM DUE TO ROCKS GETTING BACK TO PUMPS. NO MUD LOSSES. PUMP ANOTHER 2X BOTTOMS UP AFTER BOTH PUMPS BACK ON LINE @ 675 GPM.
19:30	3.00	22:30	6	TRIPS	POH WET.
22:30	4.00	02:30	6	TRIPS	LAY DOWN BULLNOSE & MAKE UP SPERRY TOOLS. RIH BREAKING CIRCULATION EVERY 5 STANDS. REMOVE TRIP NIPPLE & INSTALL ROTATING RUBBER.
02:30	1.25	03:45	3	REAMING	WASH 5820-6130'. TIGHT HOLE & PACKING OFF @ 6130'.
03:45	2.25	06:00	5	COND MUD & CIRC	WORK STRNG FREE & STAND BACK 1 STAND. WORK/CIRCULATE STRING 6100-6148'. NO MUD LOSSES. SHAKING OUT LCM.

LC Tribal 13H-33-46 10/23/2011 06:00 - 10/24/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	3	REAMING	WASH/REAM 6140-TD.
07:15	1.00	08:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6203-6216'.
08:15	0.75	09:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6216-6232'.
09:00	1.00	10:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6232-6243'.
					STARTED LOSING RETURNS @ 09:15 HRS W/TD @ 6236' & LOST COMPLETE RETURNS BY 09:30 HRS. COMMENCED MIXING LCM (NO SAWDUST).
10:00	0.50	10:30	5	COND MUD & CIRC	CIRCULATE, PREPARE TO POH TO SHOE.
10:30	1.25	11:45	6	TRIPS	POH TO 3370'. CONTINUE BUILDING MUD VOLUME & MIXING LCM.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:45	6.25	18:00	5	COND MUD & CIRC	ROTATE/RECIPROCATATE STRING SLOWLY WHILE BUILDING VOLUME/MIXING LCM. ALTERNATING 50 BBL 25% LCM MUD DOWN ANNULUS, THEN STRING.
18:00	12.00	06:00	5	COND MUD & CIRC	COMMENCE STEADY PUMPING DOWN ANNULUS & STRING SIMULTANEOUSLY. OBSERVED FIRST RETURNS ~19:30 HRS. HOLE HAS STAYED FULL, BUT LOSING ~HALF (~1 BPM).

LC Tribal 13H-33-46 10/24/2011 06:00 - 10/25/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	5	COND MUD & CIRC	TOP UP MUD TANKS & PREMIX TANK W/25% LCM MUD. CIRCULATE @ 90 GPM W/~50% RETURNS.
10:00	2.50	12:30	6	TRIPS	RIH @ 70 FPM BREAKING CIRCULATION EVERY 6 STANDS. HOLE FULL, BUT NO RETURNS. HOLE GOOD. INSTALL ROTATING RUBBER. WASHED 115' TO BOTTOM.
12:30	0.25	12:45	20	DIRECTIONAL WORK	TROUBLESHOOT MWD & CHANGE CHANNELS.
12:45	0.50	13:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6243-6249' W/O RETURNS. RAN OUT OF MUD.
13:15	1.25	14:30	6	TRIPS	POH TO 4700'.
14:30	4.00	18:30	5	COND MUD & CIRC	BUILD VOLUME & MIX LCM.
18:30	0.75	19:15	6	TRIPS	RIH TO 6180'. STUCK & PACKED OFF.
19:15	1.50	20:45	3	REAMING	WORK STUCK/PACKED OFF STRING UP TO 6140' & COULD ROTATE FREE BUT STILL PACKED OFF.
20:45	1.25	22:00	3	REAMING	ROTATE & BACKREAM OUT TO 6100'. STILL PACKED OFF HOLDING ~500 PSI.
22:00	1.00	23:00	3	REAMING	BACKREAM OUT TO 6070' CIRCULATING W/O RETURNS.
23:00	0.50	23:30	3	REAMING	WASH/REAM 6070-6249'. NO RETURNS.
23:30	1.25	00:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6249-6265'. NO RETURNS. HAULING WATER, PUMPING WATER OUT OF RESERVE & MIXING GEL/LCM ATTEMPTING TO KEEP UP VOLUME AS LONG AS POSSIBLE.
00:45	0.25	01:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6265-6280'. NO RETURNS.
01:00	1.50	02:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6280-6302'. NO RETURNS. RAN OUT OF GEL TO BUILD MUD.
02:30	0.25	02:45	5	COND MUD & CIRC	ATTEMPT TO CIRCULATE HOLE CLEAN. STUCK & PACKED OFF @ 6235'. NO RETURNS.
02:45	0.75	03:30	3	REAMING	WORK STUCK/PACKED OFF STRING 6236-6235'. GAINED ROTATION, BUT STILL PACKED OFF.
03:30	1.50	05:00	3	REAMING	ROTATE/BACKREAM STRING 6235-6132'. LITTLE CIRCULATION, STILL MOSTLY PACKED OFF. NO RETURNS. STRING FREE, BUT STILL NO GOOD CIRCULATION.
05:00	1.00	06:00	6	TRIPS	POH TO 4600'. ~70K DRAG TO 6075'.

LC Tribal 13H-33-46 10/25/2011 06:00 - 10/26/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	6	TRIPS	POH & STAND BACK SPERRY TOOLS.
08:30	1.25	09:45	6	TRIPS	MAKE UP 6 1/2 BULLNOSE & RIH TO 4000'.
09:45	10.75	20:30	5	COND MUD & CIRC	BUILD MUD VOLUME & MIX LCM TO 35%. ADDING 15 BBL/HR TO ANNULUS.
20:30	0.50	21:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
21:00	2.00	23:00	6	TRIPS	INSTALL TRIP NIPPLE & RIH TO 6000'. PUMP 1.6 BPM INTO ANNULUS.
23:00	1.25	00:15	3	REAMING	WASH 5831-6095'. MUD LOSING VISCOSITY & LCM CONCENTRATION. HOLE FULL, BUT NO RETURNS.
00:15	3.25	03:30	5	COND MUD & CIRC	WORK STRING & MIX GEL & LCM. HOLE WILL CIRCULATE THRU FILL LINE.
03:30	1.00	04:30	3	REAMING	WASH 6095-6284'. SOME TIGHT HOLE @ 6130'. HOLE FULL, BUT WON'T CIRCULATE.
04:30	1.50	06:00	5	COND MUD & CIRC	BUILD VOLUME, VISCOSITY & MIX LCM WHILE WORKING STRING W/O EXCESS DRAG. HOLE STANDING FULL, BUT WON'T CIRCULATE.

**LC Tribal 13H-33-46 10/26/2011 06:00 - 10/27/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	3	REAMING	WASH TO 6302' (TD).
06:15	1.00	07:15	5	COND MUD & CIRC	CIRCULATE 2X BOTTOMS UP W/55 VIS, 35% LCM. HOLE FULL, BUT NO RETURNS.
07:15	2.75	10:00	6	TRIPS	POH FILLING HOLE W/DOUBLE DP DISPLACEMENT. HOLE REMAINED FULL.
10:00	1.75	11:45	6	TRIPS	LAY DOWN SPERRY TOOLS.
11:45	0.50	12:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
12:15	2.00	14:15	6	TRIPS	MAKE UP BULLNOSE & ONE REAMER & RIH TO 4200' @ 90 FPM W/GOOD RETURNS.
14:15	7.25	21:30	5	COND MUD & CIRC	BUILD MUD VOLUME & MIX LCM TO 35% WORKING STRING @ 4200'.
21:30	0.25	21:45	6	TRIPS	RIH TO 4650'.
21:45	1.75	23:30	3	REAMING	REAM CURVE 4650-5067'. VERY LITTLE RETURNS.
23:30	2.50	02:00	5	COND MUD & CIRC	CIRCULATE ENOUGH TO KEEP TOP DRIVE, ETC FROM FREEZING & BUILD VISCOSITY & ADD LCM.
02:00	1.75	03:45	3	REAMING	REAM CURVE 5067-5443' PUMPING 540 GPM. HOLE FULL, BUT VERY LITTLE RETURNS.
03:45	2.25	06:00	5	COND MUD & CIRC	CIRCULATE SLOWLY & WORK STRING WHILE BUILDING VOLUME & MIXING LCM TO 35%.

LC Tribal 13H-33-46 10/27/2011 06:00 - 10/28/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	5	COND MUD & CIRC	CIRCULATE SLOWLY WHILE BUILDING MUD VOLUME & MIXING LCM TO 35%. HOLE FULL.
13:00	2.25	15:15	3	REAMING	WASH/REAM 5443-6147'. NO RETURNS, BUT HOLE STAYING FULL.
15:15	2.00	17:15	5	COND MUD & CIRC	WORK STRING & BUILD VOLUME/MIX LCM.
17:15	0.50	17:45	3	REAMING	WASH/REAM 6147-6302'. HOLE FULL, BUT NO RETURNS.
17:45	0.50	18:15	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP WORKING/ROTATING STRING. COMMENCE TO RIG UP LAY DOWN TRUCK. NO ACCESS TO BACK OF LOCATION.
18:15	0.50	18:45	6	TRIPS	PULL & STAND BACK 5 STANDS DP.
18:45	2.50	21:15	6	TRIPS	CLEAR RIG FLOOR, REPAIR FORKLIFT, PJSM W/LAY DOWN CREW, MOVE CATWALK & PIPE RACK, RIG UP LAY DOWN TRUCK, REPLACE CATWALK & BUILD MUD VOLUME.
21:15	4.00	01:15	6	TRIPS	POH TO 1300' LAYING DOWN STRING.
01:15	0.50	01:45	7	LUBRICATE RIG	ROUTINE RIG SERVICE & REPAIR ST-80.
01:45	1.25	03:00	6	TRIPS	FINISH POH LAYING DOWN STRING.
03:00	0.75	03:45	22	OPEN	LAY DOWN REAMER/BULLNOSE ASSY, PULL WEAR BUSHING, CLEAN UP RIG FLOOR.
03:45	1.50	05:15	12	RUN CASING & CEMENT	RIG UP CASING TOOLS, RE-RIG LAY DOWN TRUCK FOR RUNNING CASING. HELD PJSM W/LAY DOWN & CASING CREWS.
05:15	0.75	06:00	12	RUN CASING & CEMENT	MAKE UP 2 JT SHOE TRACK, THREADLOCK ALL JTS UP THRU FLOAT COLLAR & CIRCULATE THRU SHOE TRACK.

LC Tribal 13H-33-46 10/28/2011 06:00 - 10/29/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 6,302.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	12	RUN CASING & CEMENT	RUN 140 JTS 7", 23#, HCP-110, LTC, R3 CASING W/SHOE @ 6140', FLOAT COLLAR @ 6050' & DV COLLAR @ 3090'. NO RETURNS, BUT HOLE STAYING FULL. WORKED DOWN CASING 5927-5967'. WASHED & WORKED 5967-6140' FOR 1 1/2 HRS, BUT COULD NOT WORK OR WASH PAST 6140'.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
17:30	2.00	19:30	12	RUN CASING & CEMENT	CIRCULATE CASING CAPACITY W/246 BBL MUD W/O RETURNS @ 6140' WHILE RIG DOWN LAY DOWN TRUCK & CASING TOOLS. MOVE SPARE CASING, RACKS & CATWALK TO MAKE ROOM FOR HALLIBURTON CEMENTERS.
19:30	2.25	21:45	12	RUN CASING & CEMENT	MOVE IN & RIG UP CEMENTERS. INSTALL CEMENT HEAD.
21:45	1.50	23:15	12	RUN CASING & CEMENT	TEST CEMENT LINE TO 5000 PSI. HALLIBURTON PUMPED STAGE 1: 10 BBL WATER, 40 BBL SUPERFLUSH @ 10 PPG, 10 BBL WATER & 515 SX (134 BBL) 50/50 POZ PREMIUM + 0.3% HALAD-344 + 5% MICROBOND + 0.125 PPS POLY-E-FLAKE + 1 PPS GRANULITE + 0.1% HR-5 @ 13.5 PPG. DROPPED PLUG & DISPLACED W/236 BBL WATER. BUMPED PLUG W/500 OVER FDP (TOTAL PRESSURE 1500 PSI) & HELD 5 MIN. BLEED OFF 1 1/2 BBL & FLOATS HELD. CIP @ 23:10 HRS. OBSERVED GOOD PRESSURE RISE DURING DISPLACEMENT.
23:15	2.25	01:30	12	RUN CASING & CEMENT	DROPPED DV OPENING BOMB, WAIT 20 MIN & OPENED DV TOOL W/900 PSI. HALLIBURTON PUMPED 10 BBL WATER, 40 BBL CACL2 WATER, 10 BBL WATER, 40 BBL SUPERFLUSH @ 10 PPG & 10 BBL WATER. SWITCHED LINE TO RIG PUMP & PUMPED 200 BBL MUD @ 8.6 PPG. NO RETURNS. FLUID LEVEL IN ANNULUS FELL FROM SURFACE TO ~80'.
01:30	1.25	02:45	12	RUN CASING & CEMENT	STAGE 2: HALLIBURTON PUMPED 20 BBL WATER & 260 SX (107 BBL) TUNED LIGHT + 0.125 POLY-E-FLAKE + 1 PPS GRANULITE @ 11 PPG FOLLOWED BY 50 SX (10 BBL) TAIL CEMENT @ 15.8 PPG. DROPPED CLOSING PLUG & DISPLACED W/121 BBL WATER. BUMPED PLUG & CLOSED DV W/1800 PSI. CIP @ 02:38 HRS. HELD 5 MIN & BLEED OFF 1.1 BBL. DV CLOSED. OBSERVED VERY LITTLE PRESSURE RISE DURING DISPLACEMENT.
02:45	0.50	03:15	12	RUN CASING & CEMENT	RIG DOWN HALLIBURTON CEMENT HEAD & LINE.
03:15	2.75	06:00	14	NIPPLE UP B.O.P	LATCH ONTO CASING W/ELEVATORS & PICK UP STRING WT (150K). RIG DOWN HYDRAULIC SLIPS, REMOVE TRIP NIPPLE & NIPPLE DOWN FLOWLINE. BREAK BOP OFF WELLHEAD & LIFT BOP. SET EMERGENCY CASING SLIPS W/150K. ROUGH CUT 7" CASING & LAY DOWN CUT-OFF.

LC Tribal 13H-33-46 10/29/2011 06:00 - 10/30/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	DRILLING	6,302.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.25	09:15	14	NIPPLE UP B.O.P	FINAL CUT CASING & INSTALL WEAR BUSHING/PACKOFF ASSEMBLY. MAKE UP BOP ONTO CASING HEAD & CHANGE PIPE RAMS TO 3 1/2".
09:15	1.75	11:00	15	TEST B.O.P	HELD PJSM W/TESTER & RIG CREW. RIG UP TESTER, LAND TEST PLUG & FILL BOP W/WATER. TEST PIPE RAMS, DOOR SEALS, SAFETY VALVE & GRAY VALVE TO 250/5000 PSI FOR 10 MIN EACH TEST. RIG DOWN TESTER.
11:00	1.25	12:15	22	OPEN	DRESS TOP DRIVE FOR 3 1/2 IF.
12:15	1.25	13:30	6	TRIPS	LOAD PIPE RACKS & STRAP 4 3/4 DC's & 3 1/2 DP.
13:30	0.75	14:15	9	CUT OFF DRILL LINE	SLIP/CUT 12 WRAPS DRILLING LINE.
14:15	0.50	14:45	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
14:45	1.25	16:00	21	OPEN	HELD PJSM W/LAY DOWN CREW & RIG CREW & RIG UP LAY DOWN TRUCK.
16:00	5.75	21:45	6	TRIPS	RIH PICKING UP 24 X 4 3/4 DC & STANDING BACK. PICK UP 9 X 4 3/4 DC, RIH TO PICKING UP 3 1/2 DP TO 6088'. LOAD/STRAP MORE PIPE WHEN NEEDED. BHA: 6 1/4 BIT, BIT SUB W/FLOAT, 9 X 4 3/4 DC, 3 1/2 DP TO SURFACE.
21:45	2.50	00:15	3	REAMING	TAG UP ON DV COLLAR @ 3088'. DRILL OUT DV COLLAR & REAM THRU 3 TIMES.
00:15	0.50	00:45	15	TEST B.O.P	CIRCULATE & TEST DV COLLAR TO 1000 PSI FOR 10 MIN.
00:45	4.00	04:45	6	TRIPS	RIH PICKING UP 3 1/2 DP TO FLOAT COLLAR @ 6043'. RIG DOWN LAY DOWN TRUCK.
04:45	1.25	06:00	3	REAMING	DRILL FLOAT COLLAR & SHOE TRACK TO 6079'. EITHER NO CEMENT OR REALLY SOFT CEMENT IN SHOE TRACK. NEARLY ALL DRILLED AT 250 FPH W/2-5K WOB.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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		8. WELL NAME and NUMBER: LC TRIBAL 13H-33-46
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013505750000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALMAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/27/2011	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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"/> DRILLING REPORT Report Date:	
	<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.		
This sundry is to notify of first gas sales on 11/27/2011 and first oil sales on 11/30/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 12/5/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 13H-33-46	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013505750000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALMAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/1/2011		<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
<input type="checkbox"/> SPUD REPORT Date of Spud:		<input type="checkbox"/> OTHER: <input type="text" value="Lease Number"/>
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This sundry is to notify that the tribal lease has been earned for this well. The lease number is now 1420H626304.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 12/5/2011	

**LC Tribal 13H-33-46 11/1/2011 06:00 - 11/2/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 BUILDUP 6355-6390'.
06:45	0.75	07:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 BUILDUP 6390-6417'.
07:30	0.50	08:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 BUILDUP 6417-6437'.
08:00	0.75	08:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 BUILDUP 6437-6466'.
08:45	0.50	09:15	20	DIRECTIONAL WORK	TROUBLESHOOT MWD (CHANGE CHANNELS) & CONNECTION.
09:15	0.25	09:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 BUILDUP 6466-6484'.
09:30	0.50	10:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 BUILDUP 6484-6492'.
10:00	0.75	10:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HORIZONTAL HOLE 6492-6529'.
10:45	0.25	11:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HORIZ HOLE 6529-6534'.
11:00	0.75	11:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HORIZ HOLE 6534-6576'.
11:45	0.50	12:15	20	DIRECTIONAL WORK	TROUBLESHOOT MWD. REPAIR GROUND ROD. RE-LOG GR.
12:15	0.75	13:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HORIZ HOLE 6576-6621'.
13:00	0.25	13:15	20	DIRECTIONAL WORK	RE-LOG GR 6576-6621'.
13:15	0.75	14:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HORIZ 6621-6665'.
14:00	0.50	14:30	20	DIRECTIONAL WORK	TROUBLESHOOT MWD & SURVEY.
14:30	0.75	15:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6665-6681'.
15:15	0.50	15:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6681-6709'.
15:45	0.50	16:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6709-6719'.
16:15	0.50	16:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6719-6756'.
16:45	0.50	17:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
17:15	1.50	18:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6756-6821'. CHECK SHOT @ 6804'.
18:45	0.25	19:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6821-6824'.
19:00	1.00	20:00	2	DRILL ACTUAL	TROUBLESHOOT MWD. BAD COMMUNICATIONS. SWAPPED PUMPS & ADDED FILTER.
20:00	0.50	20:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6824-6841'.
20:30	0.25	20:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6841-6852'.
20:45	0.50	21:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6852-6858'.
21:15	0.75	22:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6858-6900'.
22:00	0.50	22:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6900-6906'.
22:30	0.25	22:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6906-6946'.
22:45	0.50	23:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6946-6952'.
23:15	1.75	01:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6952-7091'. CHECK SHOT @ 6995'.
01:00	0.75	01:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7091-7099'.
01:45	1.50	03:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7099-7188'.
03:15	1.00	04:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7188-7196'.
04:15	0.50	04:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7196-7234'.
04:45	0.75	05:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7234-7240'.
05:30	0.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7240-7282'.

LC Tribal 13H-33-46 11/2/2011 06:00 - 11/3/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRLG F/ 7262' TO 7903' (641' IN 10 HR = 64.1 FPH) SLIDE: 24' IN 2 HR = 12 FPH, ROTATE: 617' IN 8 HR = 77.1 FPH. MM 5" GEO FORCE 4/5 LOBE .92 RPG. 1.5 DEG BEND 5.10' BTB.
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	4.50	21:00	2	DRILL ACTUAL	DRLG F/ 7903' TO 8092' (189 IN 4.5 HR 42 FPH) SLIDE: 28' IN 1.75 HR = 16 FPH, ROTATE: 161' IN 3.75 HR = 42.9 FPH
21:00	0.25	21:15	21	OPEN	INSTALL ROTATING HEAD
21:15	8.75	06:00	2	DRILL ACTUAL	DRLG F/ 8092' TO 8389' (297' IN 8.75 HR = 33.9 FPH) SLIDE: 30' IN 2.75 HR = 10.99 FPH, ROTATE: 267' IN 6 HR = 44.5 FPH.

**LC Tribal 13H-33-46 11/3/2011 06:00 - 11/4/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.25	15:15	2	DRILL ACTUAL	DRLG F/ 8389' TO 8855' (466' IN 9.25 HR = 50.4 FPH) SLIDE: 42' IN 2.5 HR = 16.8 FPH, ROTATE: 424' IN 6.75 HR = 62.8 FPH. MM 5" GEO FORCE 4/5 LOBE .92 RPG. 1.5 DEG BEND 5.10' BTB.
15:15	0.50	15:45	7	LUBRICATE RIG	RIG SERVICE
15:45	14.25	06:00	2	DRILL ACTUAL	DRLG F/ 8855' TO 9521' (666' IN 14.25 HR = 46.7 FPH) SLIDE: 93' IN 7 HR = 13.3 FPH, ROTATE: 573' IN 7.25 HR = 79 FPH.

LC Tribal 13H-33-46 11/4/2011 06:00 - 11/5/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.75	16:45	2	DRILL ACTUAL	DRLG F/ 9521' TO 9995' (474' IN 10.75 HR = 44.1 FPH), SLIDE: 21' IN 1 HR = 21 FPH, ROTATE: 453' I 9.75 HR = 46.5 FPH. MM 5" GEO FORCE 4/5 LOBE .92 RPG. 1.5 DEG BEND 5.10' BTB.
16:45	0.50	17:15	7	LUBRICATE RIG	RIG SERVICE
17:15	3.50	20:45	2	DRILL ACTUAL	DRLG F/ 9995' TO 10240' (245' IN 3.5 HR = 70 FPH) ROTATING
20:45	1.75	22:30	5	COND MUD & CIRC	CIRC. PUMP SUPER SWEEP.
22:30	7.50	06:00	6	TRIPS	TOOH F/ REAMER RUN. L/D DIRCTIONAL TOOLS, P/U REAMERS TIH

LC Tribal 13H-33-46 11/5/2011 06:00 - 11/6/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	TIH
07:00	11.50	18:30	3	REAMING	REAM HORIZONTAL HOLE W/ DUEL REAMERS
18:30	1.50	20:00	5	COND MUD & CIRC	CIRC. MANA FIBER SWEEP.
20:00	4.00	00:00	6	TRIPS	TOOH
00:00	7.00	07:00	12		HSM RIG UP WEATHERFORD CASING AND RUN LINER. FS (1.51'), SHOE JT (43.70), FC (.89'), BALL SEAT (1.25), 1 JT 4 1/2" 11.6# P-110 LTC CASING (43.74), DSI (2.72), 2 JTS CASING (87.34), SWELL PACKER #1 (43.65), 2 JTS (86.08) DSS #1 (2.57), 2 JTS (84.73), SP #2 (42.38) 2 JT (84.78), DSS #2 (2.57), 2 JTS (84.75), SP #3 (42.33) 2 JTS (84.71), DSS #3 (2.57), 2 JTS (84.58), SP #4 (42.3), 2 JTS (84.11), DSS #4 (2.57), 2 JTS (83.60), SP #5 (42.37), 2 JTS (84.60), DSS #5 (2.57), 3 JTS (126.99), SP #6 (42.34), 2 JTS (84.70), DSS #6 (2.57), 3 JTS (126.96) SP #7 (42.51), 2 JTS (84.68), DSS #7 (2.57), 3 JTS (126.89), SP #8 (42.27), 2 JTS (84.62), DSS #8 (2.57) 3 JTS (127.01), SP #9 (42.38), 2 JTS (84.70), DSS #9 (2.57), 3 JTS (126.97), SP #10 (42.30), 2 JT (84.64), DSS #10 (2.57), 3 JTS (127.00), SP #11 (42.31), 2 JTS (84.71), DSS #11 (2.57), 3 JTS (127.07), SP #12 (42.34), 2 JTS (84.71), DSS #12 (2.57), 3 JTS (127.11), SP #13 (39.55), 2 JTS (84.76), DSS #13 (2.57), 3 JT (125.98), SP #14 (42.39), 2 JTS (84.13), DSS#14 (2.57), 2 JTS (84.27), SP #15 (42.25), SP #16 (42.26), SP #17 (42.46), 13 JTS (423.38), SP #18 (42.35), 36 JTS (1474.32), X/O (8.14) VERSAFLEX LINER HANGER (6.00), TBR (12.25), SETTING HEAD (18.67),

LC Tribal 13H-33-46 11/6/2011 06:00 - 11/7/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	FINISH RUNNING LINER, MAKE UP HANGER, RIG DN CASERS AND L/D TRUCK, MOVE IN HES.
08:00	9.00	17:00	12		TIH W/ LINER, 11 STDS DC AND 37 AND SINGL DP. HAD A VERY HARD TIME GETTING F/ 8570' TO 10230'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
17:00	0.50	17:30	5	COND MUD & CIRC	CIRC W/ RIG PUMP 1 1/2 BOTTOMS UP.
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE STILL CIRC.
18:00	0.25	18:15	5	COND MUD & CIRC	CIRC.
18:15	3.75	22:00	12	RUN CASING & CEMENT	HSM, RIG UP HES, PUMP 10 BLS H2O, 83 BLS DIESEL, DISPLACE W/ 89 BLS H2O W/ CLAY WEB AND BIOCID, 26 BLS DRILLING MUD, 2 BLS H2O. DROP BALL AND LET FALL. SET LINER HANGER. PULL TEST 100K OVER. TEST BACK SIDE 1000# F/ 10 MINS. DISPLACE MUD ABOVE LINER W/ H2O W/ CLAY WEB AND BIOCID.
22:00	8.00	06:00	6	TRIPS	LDDP AND DCS.

LC Tribal 13H-33-46 11/7/2011 06:00 - 11/8/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,240.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	6	TRIPS	LDDP, RIG DN L/D TRUCK.
07:15	4.75	12:00	14	NIPPLE UP B.O.P	NIPPLE DN BOPS RIG RELEASE 11/7/11

LC Tribal 13H-33-46 11/10/2011 06:00 - 11/11/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,240.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	WLWK	Wireline	MIRU Pioneer E-Line, RIH CBL in 7" From 4630' to Surface., NU night cap. RDMO E-Line. Cement Top @ 3010'.
18:00	6.00	00:00	GOP	General Operations	Blade Location. Set Anchors
00:00	6.00	06:00	LOCL	Lock Wellhead & Secure	WSI.

LC Tribal 13H-33-46 11/12/2011 06:00 - 11/13/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,240.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Production Crew Move In, Set Production Tank Battery And Treater. Lay 3" Gas Line To Fron Of Location. WSI And Secured With Night Cap. Western Pump And Dredge Fusing Poly On 5-34-46, 50% To 13H-33.

LC Tribal 13H-33-46 11/13/2011 06:00 - 11/14/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,240.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set 12 Of 19 Tanks In Frac Line, Fusing Last Run Of Poly On 5-34-46, No Prod. Crew Activity.

LC Tribal 13H-33-46 11/14/2011 06:00 - 11/15/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,240.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Frac Line And FlowBack Set, Prod. Crews Working On Facilities, Fusing Final Run Of Poly To 13H.



LC Tribal 13H-33-46 11/15/2011 06:00 - 11/16/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Prod. Crews Working On Construction Of Facilities, Bermed Around FlowBack Tanks, Set Fall Protection On Frac Line. Fused Last Section Of Poly To Location.

LC Tribal 13H-33-46 11/16/2011 06:00 - 11/17/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	3.00	10:30	BOP1	Install BOP's	ND Night Cap, NU Cameron Tbg. Head & Test Seal, NU BOP. Change Rams.
10:30	3.00	13:30	GOP	General Operations	Unload 110 Jts. 4.5" 11.6# P110 Csg., Drift, Inspect & Talley Csg.
13:30	2.00	15:30	SRIG	Rig Up/Down	MIRU w/o Rig.
15:30	1.00	16:30	SRIG	Rig Up/Down	RU Work floor.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WSI. SDFN.

LC Tribal 13H-33-46 11/17/2011 06:00 - 11/18/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com																																
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.																																
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting																																
07:30	4.00	11:30	RUTB	Run Tubing	PU Seal Assembly, PU 4.5" P110 Frac string, Space out hanger. Land frac string as follows w/30k down: Csg Des: Frac String Set Depth (ftKB): 4,603.0 Run Date: 2011/11/17 12:00 Compression 30(kips): Centralizers: Scratchers: Casing Components <table border="1"> <thead> <tr> <th>Item Des</th> <th>OD (in)</th> <th>ID (in)</th> <th>Wt (lb/ft)</th> <th>Grade</th> <th>Len (ft)</th> <th>Jts</th> <th>Top Thread</th> </tr> </thead> <tbody> <tr> <td>Casing Hanger</td> <td>5</td> <td>4</td> <td>11.6</td> <td>P-110 0.3</td> <td>1</td> <td></td> <td>0.2 0.5</td> </tr> <tr> <td>Casing Joints</td> <td>4 1/2</td> <td>4</td> <td>11.6</td> <td>P-110 4,590.55</td> <td></td> <td>112</td> <td>0.5</td> </tr> <tr> <td>Seal Assembly</td> <td>4 1/2</td> <td>4</td> <td>11.6</td> <td>P-110 12</td> <td>1</td> <td></td> <td>4,591.00</td> </tr> </tbody> </table>	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top Thread	Casing Hanger	5	4	11.6	P-110 0.3	1		0.2 0.5	Casing Joints	4 1/2	4	11.6	P-110 4,590.55		112	0.5	Seal Assembly	4 1/2	4	11.6	P-110 12	1		4,591.00
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top Thread																														
Casing Hanger	5	4	11.6	P-110 0.3	1		0.2 0.5																														
Casing Joints	4 1/2	4	11.6	P-110 4,590.55		112	0.5																														
Seal Assembly	4 1/2	4	11.6	P-110 12	1		4,591.00																														
11:30	1.00	12:30	SRIG	Rig Up/Down	RD Csg. Crew, & work floor.																																
12:30	0.50	13:00	PTST	Pressure Test	Pressure test to 1000# for 15 min. held good.																																
13:00	1.50	14:30	BOPR	Remove BOP's	ND BOP, NU Frac Tree & Test Seal.																																
14:30	1.00	15:30	SRIG	Rig Up/Down	RDMO w/o rig, Cont. Bulid production facility																																
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WSI.																																

LC Tribal 13H-33-46 11/18/2011 06:00 - 11/19/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Cont. Build Prod. Facility.

**LC Tribal 13H-33-46 11/19/2011 06:00 - 11/20/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Production facility @ 60% complete, built access road around reserve pit, Widened location entrance for additional turn around access. Set sand trap and flow back equipment, pressure tested frac tree B-2 Adapter and flow back system. Set mountain movers, hauled in frac sand, heated frac water to 110*, restock tank farm with 3% kcl.

LC Tribal 13H-33-46 11/20/2011 06:00 - 11/21/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Well shut in and secured.
08:00	4.00	12:00	GOP	General Operations	Construction crews arrived on location, Welders worked on production facilities, Grader blade off snow pack roads from location to hyw 191,
12:00	5.00	17:00	SRIG	Rig Up/Down	HES frac crews had to chain up all their frac equipment. ball drop unit arrived, drifted Dss balls verified sizes and lunch order. MIRU HES frac equipment. continued to haul in frac sand. heating frac water on 5-34 staging area. trucked in 20% slurry to 12H-28- staging area.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	Freeze protected well head, shut in for the night.

LC Tribal 13H-33-46 11/21/2011 06:00 - 11/22/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	Yard call @ 03:00, Frac crew travel to location, Arrived @ 05:30, Started up frac equipment. Roads were in bad condition, had motor grader maintain roads in slick spots. Waited on acid pumper to arrive, tied in pump truck. Primed pumps, ran QA/QC check on fluid,
07:00	1.00	08:00	SMTG	Safety Meeting	Safety meeting with all contactor on location. reviewed job plan with HES, WP&D,RNI,Delsco, MBT. Talked about spotting in larger vehicles tight quarters, working around pressurized equipment, communication and team work.
08:00	2.00	10:00	FRAC	Frac. Job	Pressure tested treating iron to 8500 psi, Drop 1.625" DSI Shifting Ball, And Displace At 20 Bpm, Slow rate @ 1000 Gallons Before DSI. Slowed Rate To 10 Bpm. Shifted DSI @ 10,128', @ 3250 Psi. (+/-18 Gallons Casing Volume). Pumped Stg #1 Frac, Hybor G 17# Fluid System(21#), Placed 30,600# Of 100 Mesh Sand In 2 Sand Stages (0.5# (Linear Fluid), 1.0#), And 138,200# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 3048 Bbls BWTR. 132,468 Gals. Clean Fluid. Max Rate 50.9. Bpm Max. Pressure, 6360 Psi. Avg Rate 42.9 Bpm, Avg. Pressure 5011 Psi. Drop 1.875" Displaced Ball with 153 bbls. Into Flush, And Displace Ball @ 50 bpm, drop rate 2100 Gals Left, Slowed Rate To 10 Bpm, Shifted Sleeve @ 3800 psi. Bring Up Rate To 20 Bpm For 1000 Gal, ShutDown for ISIP. Had to shut in well and replace packing on pump 73, down for 30 minutes.
10:00	1.75	11:45	FRAC	Frac. Job	Finished with truck repairs, Re-pressure tested to 8500 psi, Good test. Open Well with 990 psi, Started Frac on Stg #2. Pumped Stg #2 Frac, Hybor G 17 Fluid System(21#), Placed 27,900# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 76,400# 20/40 Premium White, in 3 Sand Stages (1.0#, 2.0#, 2.5#,) Cut sand early do to net pressure increase. Pumped 2439 Bbls BWTR. 102,478 Gals. Clean Fluid. Max Rate 51.0 Bpm Max. Pressure 5949 Psi. Avg. Rate 43.9 Bpm Avg. Pressure 4694 Psi. Drop 2.00". Displaced Ball with 204 bbls. Did not see ball shift Dss, Shut down, dropped second 2" ball, Displace Ball @ 20 bpm, Slowed Rate To 10 Bpm on the 1000 gals of displacement, did not see Dss shift open, Started on stg #3 Frac.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:45	1.75	13:30	FRAC	Frac. Job	Pumped Stg #3 Frac, Hybor G 17 Fluid System(21#), Placed 27,800# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 120,600 # 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#). did not stage into 3# sand, due to slight increase in net pressure. Pumped 2939 Bbls BWTR. 123,444 Gals. Max Rate @ 53.1 Bpm Max Pressure 5101 Psi. Avg. Rate 45.3 Bpm Avg. Pressure 4033Psi. Drop 2.125," Displaced 2.125" ball @ 50 bpm. At 2100 Gals, Slowed Rate To 10 Bpm, Did not see ball shifted sleeve @ 9692'. over displaced1500 gals. Still did not see ball shift. ShutDown ISIP1988 psi, attempted to seat 2.125' ball again, pumped 1500 gals @ 15 bpm over displacement. still no luck in seeing ball seat. shut down and dropped second ball.
13:30	1.75	15:15	FRAC	Frac. Job	Drop Second 2.125"Ball, Displaced @ 15 bpm, pumped 100 bbls Slowed Rate to10 Bpm. pumped the last 2100 gals @ 10 bpm, still did not see ball shift sleeve, over displaced by 1000 gals, increased pump rate and started on Stg #4 Frac, Hybor G 17 Fluid System(21#), Placed 28,000# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), & 120,200# of 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2944 Bbls BWTR. 123,648 Gals. Clean Fluid. Max Rate 50.6 Bpm Max Pressure 4461 psi Avg Rate 45.1 Bpm Avg Pressure 3900 Psi. Drop 2.250" Displaced Ball with bbls. Into Flush, & Displaced Ball @ 20 bpm, Slowed Rate To 10 Bpm, Shifted Sleeve @ 2500 psi. brought rate up to 20 bpm for 1000 gal ShutDown ISIP and strips..
15:15	1.25	16:30	FRAC	Frac. Job	Pump Stg #5 Frac, Hybor G 17 Fluid System(21#), Placed 27,700# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid),1.0#), And 119,600# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Extended 2 & 2.5# stage. placed only 100sks of 3# in formation. over flush to DSS, did not drop Stg #6 ball. Pumped 2711 Bbls, 113862, Gals. Clean Fluid. Max Rate 50.7 Bpm Max. Pressure 4433 Psi. Avg. Rate 45.7 Bpm Avg. Pressure 3886 Ps. ISIP 2243 FG .83
16:30	1.50	18:00	GOP	General Operations	Freeze protected frac tree and frac equipment.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	Secured frac tree for the night and con't to haul in frac sand and frac water. heating frac water on 5-34 staging area throughout the night.

LC Tribal 13H-33-46 11/22/2011 06:00 - 11/23/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50575	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,240.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.75	10:45	GOP	General Operations	HES Arrived on location @ 05:30, Started frac equipment, Ran fluid checks and QA/QC on Fluid system. Check pressure on frac tree, 550 psi on the 5.5 casing and 1450 on the intermediate casing. Primed pump trucks and chemicals. HES made the decision to switch out Acid Pump late last night, and the replacement acid pump that was brought out was not in good working order, the transmission will not engage. shut down waiting on new pump truck.
10:45	0.50	11:15	SMTG	Safety Meeting	Safety meeting wit HES, WP&D, Delsco, RNI, MBT, reviewed JSA and yesterdays issues, talked about working in hot zone and using good communication.
11:15	1.50	12:45	FRAC	Frac. Job	Pressure tested treating iron @ 8500 psi. Stg # 6 of 15, Zone Stg Uteland Butte, Water Temp @ 75 * Open Well @ Hrs, @ 550 psi, 0 Surface and 1450 intermediate, Dropped 2.375' ball, displaced to ball to DSS, Shift DSS @ 24.5 bpm @ 2355 psi, seen 2.375' ball seat, open sleeve, Started on Linear pad @ 24.3 bpm, 2355 psi Started on .50# ppg Gal 100 mesh @ 25.0 bpm,3031 psi. Started on 1.0# ppg Gal 100 mesh @ 50.1 bpm, 4589 psi Started on X-link pad, bpm, 51.2 psi, Pumped 10,000 gals 1# 51.2 bpm, 4199 psi 1# On DSS bpm 51.2 @ 4080 psi 2# 51.3 bpm, 4042 psi 2# On DSS bpm 51.2 @ 3987 psi, 2.5# 51.1 bpm, 4059 psi 2.5# On DSS bpm 51.1 @ 4108 psi Did not stg into 3# ppg sand due to increase in net pressure. Stg Flush, On Flush @ 51.0 bpm, 4749 psi Drop 2.500" ball for Zone #7 and displaced Ball to DSS, seen ball seat and shift DSS @ 8797'. Final Injection, 10.9 bpm, 3009 psi. Max Rate 51.3 bpm, Max Pressure 4593 psi. Avg Rate 45.4 bpm, Avg Pressure 3966 psi ISIP 2857 Psi, FG .94. Total X-link fluids pumped: 105,333 gals .Total Slick water/ Liner Pad pumped:29095 gals Total fluid in bbls pumped: 3162 bbls BWTR. Total Prem White Sand pumped, 20/40 = 144,700#, Total 100 Mesh Sand Pumped:31,700#,



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
12:45	1.50	14:15	FRAC	Frac. Job	<p>Stg # 7 of 15, Zone Stg Uteland Butte, Water Temp @ 75 * intermediate, 1850 psi. Started on Linear pad @ 25.3 bpm, 3580 psi Started on .50# ppg Gal 100 mesh @ 25.3 bpm, 3762 psi. Started on 1.0# ppg Gal 100 mesh @ 50 bpm, 4643 psi. Started on X-link pad, 51.1 bpm, 4175 psi, Pumped 10,000 gals stg into 1# ppg sand. 1# 51.1 bpm, 4031 psi 1# On DSS bpm 51.1 @ 3902 psi 2# 51.1 bpm, 3904 psi 2# On DSS bpm 51.0 @ 3810 psi 2.5# 51.0 bpm, 3917 psi 2.5# On DSS bpm 51.0 @ 3891 ps did not stg into 3# do to increase in net pressure.i 2.5# 51.0 bpm, 4112 psi 3.5# On DSS bpm 51.0 @ 4378 psi, extented stg on 2.5#. On Flush @ 51.2 bpm, 4687 psi, displaced 2100 gals @ 51.0 bpm, Drop Ball for Zone #8 and Flush Ball Size 2.625", did not see ball shift sleeve 500 gals over displacment, Dropped second ball, pumped 250 gal @ 20 bpm seen ball shift. Final Injection, 10.0 bpm, 3073 psi. Max Rate 51.1 bpm, Max Pressure 5555 psi. Avg Rate 45.9 bpm, Avg Pressure 4205 psi ISIP 2038 & FG .XX Total X-link fluids pumped: 105,292 gals Total Slick water/ Liner Pad pumped: 24,247 gals Total fluid in bbls pumped:3084 bbls BWTR Total Prem White Sand pumped, 20/40 = 145,100, Total 100 Mesh Sand Pumped: 32,100</p>
14:15	1.50	15:45	FRAC	Frac. Job	<p>Stg # 8 of 15, Zone Stg Uteland Butte, Water Temp @ 75 *. 0 Surface and Frac Mandrel, 1887 psi. Started on Linaer pad @ 25.5 bpm, 3580 psi. Started on .50# ppg Gal 100 mesh @ 25.3 bpm, 3410 psi. Started on 1.0# ppg Gal 100 mesh @ 53 bpm, 4900 psi. Started on X-link pad, 50.7 bpm, 3905 psi, Pumped 10,000 gals x-link fluids. 1# 50.7 bpm, 3796 psi 1# On DSS bpm 50.6 @ 3724 psi 2# 50.6 bpm, 3664 psi 2# On DSS bpm 50.4 @ 3546 psi 2.5# 50.6 bpm, 3576 psi 2.5# On DSS bpm 50.6 @ 3558 psi 3# 50.6 bpm, 3787 psi 3.5# On DSS bpm 50.6 @ 3844 psi On Flush @ 50.9 bpm, 4011 psi, dropped 2.750' @ 2100 gals into flush @ 50 bpm. displaced ball to Dss, slow rate down to 10 bpm on the last 1000 gals, over pumped 800 gals and did not see ball shift Dss, shut down for 10 minutes. engaged pumps. seen Dss shift @ 20 bpm. only pumped 200 gals. shift to stg #9 Final Injection, 50.6 bpm, 4011 psi Max Rate 53.1 bpm, Max Pressure 5018 psi. Avg Rate 45 bpm, Avg Pressure 3831 psi ISIP 2024 & FG .79 Total X-link fluids pumped: 103,739 gals Total Slick water/ Liner Pad pumped: 23,751 gals Total fluid in bbls pumped: 3035 bbls BWTR Total Prem White Sand pumped, 20/40 = 144,800#, Total 100 Mesh Sand Pumped:32,100#</p>
15:45	1.50	17:15	FRAC	Frac. Job	<p>Stg # 9 of 15, Zone Stg Uteland Butte, Water Temp @ 75 *, 0 Surface and Frac Mandrel, 1889 psi. Started on Linear pad @ 25.1 bpm, 3910 psi. Started on .50# ppg Gal 100 mesh @ 25.2 bpm, 3924 psi. Started on 1.0# ppg Gal 100 mesh @ 49.7 bpm, 6215 psi. Started on X-link pad, 50.4 bpm, 4931 psi, Pumped 10,000 gals spacer. Started on 1# @ 50.4 bpm, 4849 psi 1# On DSS bpm 50.4 @ 4654 psi. 2# 50.4 bpm, 4602 psi 2# On DSS bpm 50.4 @ 4755 psi 2.5# 50.4 bpm, 4538 psi 2.5# On DSS bpm 50.4 @ 4455 psi, cut sand early due to sharp increase in net pressure, On Flush @ 50.3 bpm, 5401 psi, dropped 2.875' ball 2100 gals into flush, displaced ball to Dss, slowed rate down to 13.5 bpm, seen ball shift sleeve, continued to pump 4200 gals of break down. HES did not have enough sand on location to finish stg #10, freeze protected well head. Final Injection, 50.3 bpm, 5401 psi. Max Rate 50 bpm, Max Pressure 6215 psi. Avg Rate 44.6 bpm, Avg Pressure 6215 psi. ISIP 2565 & FG .89 Total X-link fluids pumped: 22,495 gals Total Slick water/ Liner Pad pumped: 84,005 gals Total fluid in bbls pumped: 2535 bbls BWTR Total Prem White Sand pumped, 20/40 = 89,700#, Total 100 Mesh Sand Pumped: 32,000#</p>
17:15	2.00	19:15	GOP	General Operations	<p>Drained pump equipment, re-primed pump trucks with 10# brine, pickled wellhead with brine. continued to haul in sand and transfer 3% kcl to location, re-stocked all 19 tanks on location. freeze protected frac tree.</p>
19:15	10.75	06:00	LOCL	Lock Wellhead & Secure	<p>Shut in and secured well for the night.</p>

**LC Tribal 13H-33-46 11/23/2011 06:00 - 11/24/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ft)KB 10,240.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.50	06:30	GOP	General Operations	HES Frac Crew On Location @ 04:30. Service, And Start Equipment.Run Quality Control Checks On Chemicals, Sand, And Fluids. Prime - Up Chemical Pumps And HHP.	
06:30	0.25	06:45	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.	
06:45	0.25	07:00	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Grizzly Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 1500#. Will Maintain Around 2000# During Fracs. Equalize. SICP- 480#.	
07:00	1.42	08:25	FRAC	Frac. Job	Pumped Interval 10 Frac, Hybor G 17 Fluid System(21#), 32500# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), Pressure Increased Upto 7500 Psi, In .5# 100 Mesh Stage, Dropped Rate From 25 To 5 Bpm, Cut 100 Mesh. Saw Large Drop In Pressure Down To 1500 Psi, Acted Like Sleeve Was Not Totally Shifted, Brought Sand And Rate Back To Design, Acting Normal, Resume Job, And 111800# 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#), Cut Design 33,400#'s Due To Increase In Net On 2.5# Sand, 81% Of Design. Pumped 2817 Bbls BWTR. 112,825 Gals. Clean Fluid. Max Rate 50.3 Bpm Max. Pressure 5647 Psi.. Avg. Rate 50.2 Bpm Avg. Pressure 5329 Psi. Drop 3.000" Shifting Ball 55 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left,, Slowed Rate To 10 Bpm, Shifted Sleeve At 5658 Psi. At 7768'. +0 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.	
08:25	1.42	09:50	FRAC	Frac. Job	ISIP - 3148#, F.G. - .99 Psi/Ft..Pumped Interval 11 Frac, Hybor G 17 Fluid System(21#), 33100 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 144200 # 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 3183 Bbls BWTR. 125,299 Gals. Clean Fluid. Max Rate 50.9 Bpm Max. Pressure 4051 Psi.. Avg. Rate 46.8 Bpm Avg. Pressure 3397 Psi. Drop 3.125" Shifting Ball 57 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, Shifted Sleeve At 4249 Psi. At 7512'. - 100 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.	
09:50	1.92	11:45	FRAC	Frac. Job	ISIP - 2567#, F.G. - .89 Psi/Ft.. Pumped Interval 12 Frac, Hybor G 17 Fluid System (21#), 32200 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 145200 # 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#). Pumped 3240 Bbls BWTR. 127,740 Gals. Clean Fluid. Max Rate 51.1 Bpm Max. Pressure 3997 Psi.. Avg. Rate 47.0 Bpm Avg. Pressure 3453 Psi. Drop 3.280" Shifting Ball 57 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, Shifted Sleeve At 4148 Psi. At 7255'. - 100 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.	
11:45	1.58	13:20	FRAC	Frac. Job	ISIP - 2112#, F.G. - .81 Psi/Ft.. Pumped Interval 13 Frac, Hybor G 17 Fluid System (21#), 32100 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 143500 # 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#). Pumped 3225 Bbls BWTR. 127,462 Gals. Clean Fluid. Max Rate 50.5 Bpm Max. Pressure 3678 Psi.. Avg. Rate 46.5 Bpm Avg. Pressure 3227 Psi. Drop 3.443" Shifting Ball 63 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, Shifted Sleeve At 4171 Psi. At 7001'. - 50 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.	
13:20	1.67	15:00	FRAC	Frac. Job	ISIP - 2322#, F.G. - .85 Psi/Ft.. Pumped Interval 14 Frac, Hybor G 17 Fluid System (21#), 31700 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 144500 # 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 3196 BWTR. 126,173 Gals. Clean Fluid. Max Rate 50.5 Bpm Max. Pressure 3577 Psi.. Avg. Rate 48.0 Bpm Avg. Pressure 3148 Psi. Drop 3.615" Shifting Ball 56 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, Shifted Sleeve At 3368 Psi. At 6746'. - 50 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.	
15:00	1.17	16:10	FRAC	Frac. Job	ISIP - 2135#, F.G. - .81 Psi/Ft.. Pumped Interval 15 Frac, Hybor G 17 Fluid System (21#), 28500# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 128900# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2845 Bbls BWTR. 112,289 Gals. Clean Fluid. Max Rate 50.4 Bpm Max. Pressure 4649 Psi.. Avg. Rate 50.3 Bpm Avg. Pressure 3419 Psi.. OverFlush Sleeve Volume At 6746' 15 Bbls., ShutDown. ISDP - 1765 Psi. .75 F.G..	
16:10	2.00	18:10	SRIG	Rig Up/Down	HES RigDown Equipment And MOL. Western Pump Drain Poly And De-Mob. Aluminum Transfer Line Off Tanks.	
18:10	11.83	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured,	

**LC Tribal 13H-33-46 11/25/2011 06:00 - 11/26/2011 06:00**

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	LOCL	Lock Wellhead & Secure	WSI And Secured, Waiting On CT Crew And Equipment To Arrive. D&M Hot Oilers Heating Tanks, Delsco On Location At 0600 To Fire Up Light Plants And WellHead Heater.
07:30	2.59	10:05	SRIG	Rig Up/Down	MIRU CTS CTU, Pick Up Injector Head, Pull Tested Coil Connector To 25,000#'s, Filled Reel With Fluid, Pressure Tested Coil Connector To 3,000 Psi.. Made Up 3.625" Stabilizer, 2.875" MHA, Dual Circ. Sub., And Motor With 3.70" Cowboy Mill. Pressure Test Injector Head And Lubricator To 4500 Psi, Hold Safety Meeting, Equalize, Open Up To Well, Start Running In Hole.
10:05	1.22	11:18	TRIP	Tripping	Tripping In Hole With Coil, At 200' In, Open Well Up To 24/64" Choke, Begin Pumping At .25 Bpm. WellHead Psi - 400 Psi.
11:18	0.11	11:25	CLN	Clean Out Hole	Increase Pump Rate To 2.5 Bpm 100' Above DSS #14 At 6746', Tag And Drill Out Sleeve, Showing 3 Bpm Returns, WellHead Psi - 400 Psi., DrillOut In 1 Minute. Pump 10 Bbl. Sweep.
11:25	0.13	11:33	CLN	Clean Out Hole	Trip In To DSS #13 At 7001', DrillOut, 3 Bpm Returns, WellHead Psi. - 400 Psi. DrillOut In 1 Min. Pump 10 Bbl. Sweep.
11:33	0.17	11:43	CLN	Clean Out Hole	Trip In To DSS #12 At 7255', DrillOut, 3 Bpm Returns, WellHead Psi. - 350 Psi. DrillOut In 2 Min. Pump 10 Bbl. Sweep.
11:43	0.10	11:49	CLN	Clean Out Hole	Trip In To DSS #11 At 7512', DrillOut, 3 Bpm Returns, WellHead Psi. - 300 Psi. DrillOut In 1 Min. Pump 10 Bbl. Sweep.
11:49	1.72	13:32	CLN	Clean Out Hole	Trip In To DSS #10 At 7768', DrillOut, 3 Bpm Returns, WellHead Psi. - 300 Psi. DrillOut In 7 Min. Pump 10 Bbl. Sweep.
13:32	0.20	13:44	CLN	Clean Out Hole	Trip In To DSS #9 At 8025', Tag And Pull Upto 4600'. Trip Back In To DSS #9. WellHead Psi - 280 Psi. 3 Bpm Returns. Drill Out In 5 Min., Pump 10 Bbl. Sweep.
13:44	0.11	13:51	CLN	Clean Out Hole	Trip In To DSS #8 At 8281', DrillOut, 3 Bpm Returns, WellHead Psi. - 200 Psi. DrillOut In 1 Min. Pump 10 Bbl. Sweep.
13:51	0.22	14:04	CLN	Clean Out Hole	Trip In To DSS #7 At 8538', DrillOut, 3 Bpm Returns, WellHead Psi. - 200 Psi. DrillOut In 5 Min. Pump 10 Bbl. Sweep.
14:04	0.13	14:12	CLN	Clean Out Hole	Trip In To DSS #6 At 8795', DrillOut, 3 Bpm Returns, WellHead Psi. - 350 Psi. DrillOut In 1 Min. Pump 10 Bbl. Sweep.
14:12	10.09	00:17	CLN	Clean Out Hole	Trip In To DSS #5 At 9051', DrillOut, 3 Bpm Returns, WellHead Psi. - 350 Psi. DrillOut In 8 Min. Pump 10 Bbl. Sweep.
00:17	0.36	00:39	CLN	Clean Out Hole	Trip In To DSS #4 At 9264', Pull Up Hole Towards 4600', Encountered Tight Spot From 8950' To 7500', Took 4 Hours To Get Thru. At 4600' Stacking Out When Going Down, Tooh With Coil. Pulled Hard All The Way Into Lube. Did Not Find Any Sign Of What Was Hanging CT Up In Lube Or Bop's, Took Top Stabilizer Off Of BHA. Trip Back In To DSS #4. WellHead Psi - 350 Psi. 3 Bpm Returns. Drill Out In 13 Min., Pump 10 Bbl. Sweep.
00:39	0.17	00:49	CLN	Clean Out Hole	Trip In To DSS #3 At 9478', DrillOut, 3 Bpm Returns, WellHead Psi. - 350 Psi. DrillOut In 3 Min. Pump 10 Bbl. Sweep.
00:49	0.17	00:59	CLN	Clean Out Hole	Trip In To DSS #2 At 9692', DrillOut, 3 Bpm Returns, WellHead Psi. - 350 Psi. DrillOut In 8 Min. Pump 10 Bbl. Sweep.
00:59	0.28	01:16	CLN	Clean Out Hole	Trip In To DSS #1 At 9907', DrillOut, 3 Bpm Returns, WellHead Psi. - 350 Psi. DrillOut In 4 Min. Pump 10 Bbl. Sweep.
01:16	0.50	01:46	CLN	Clean Out Hole	Trip In To DSI At 10128', Tag, Pump 40 Bbl. Sweep. Circulate 30 Min.. WellHead Pressure 350 Psi., 3 Bpm Returns
01:46	4.23	06:00	TRIP	Tripping	TOOH With Coil, At 2500' At Report Time

LC Tribal 13H-33-46 11/26/2011 06:00 - 11/27/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	TRIP	Tripping	Finisf POOH With Coil
08:00	1.00	09:00	GOP	General Operations	DisConnect BHA From Coil, Blow Reel Dry With N2
09:00	2.00	11:00	SRIG	Rig Up/Down	Rig dOWN CTS And MOL. Open Well To FlowBack On 24/64 Choke
11:00	3.50	14:30	FBCK	Flowback Well	Con't Flowing Well, Finish Production Facility Hook-Up
14:30	15.50	06:00	FBCK	Flowback Well	Turn Well Over To Triple E, FlowBack Thru Production Equipment.



LC Tribal 13H-33-46 12/19/2011 06:00 - 12/20/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	Open to sales.
09:00	1.00	10:00	SRIG	Rig Up/Down	MIRU w/o Rig.
10:00	1.00	11:00	WKLL	Kill Well	Kill well w/ 100 Bbls.
11:00	1.00	12:00	BOPI	Install BOP's	ND Frac Tree, NU 7 1/16" 5K BOP & 7 1/16" 5K Flow Cross, & 7 1/16" 5K Annular. Function Testl.
12:00	1.00	13:00	SRIG	Rig Up/Down	RU work Floor & Weatherford Csg. Crew.
13:00	3.00	16:00	PULT	Pull Tubing	Pull Hanger & Lay down Csg.
16:00	1.00	17:00	SRIG	Rig Up/Down	RD Csg. Crew, Change out Rams to 2 7/8". RU Tbg. equip.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	Csg. open to treater, SDFN.

LC Tribal 13H-33-46 12/20/2011 06:00 - 12/21/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com																																																																																																																																																
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.																																																																																																																																																
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting																																																																																																																																																
07:30	2.50	10:00	RUTB	Run Tubing	PU BHA & Tbg.																																																																																																																																																
10:00	1.00	11:00	BOPR	Remove BOP's	Land hanger, RD Tbg. equip. & work floor, ND BOP, Pull Hanger, set Anchor w/ 15k tension, PU hanger. Land Tbg. as follows: Tubing Des: Tubing - ProductionSet Depth (ftKB): 4,676.1 Run Date: 2011/12/20 12:00 Pull Date: Tubing Components <table border="1"> <thead> <tr> <th>Jts (ft)</th> <th>Item Des Top (ftKB)</th> <th>OD (in)</th> <th>ID (in)</th> <th>Wt (lb/ft)</th> <th>Grade</th> <th>Top Thread</th> <th>Len</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Tubing Hanger</td> <td>2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>0.44</td> <td>0.4</td> </tr> <tr> <td>140</td> <td>Tubing 2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>4,435.93</td> <td>0.4</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,436.40</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Anchor 7</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>2.37</td> <td>4,436.40</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,438.70</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Tubing 2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>31.75</td> <td>4,438.70</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,470.50</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Pump barrel</td> <td>2 7/8</td> <td></td> <td>6.5</td> <td>L-80</td> <td>29.19</td> <td>4,470.50</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,499.70</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Tubing Pup Joint</td> <td></td> <td>4 1/2</td> <td>6.5</td> <td>L-80</td> <td></td> <td>4.23</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,499.70</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Desander</td> <td>4 1/2</td> <td></td> <td>6.5</td> <td>L-80</td> <td>13.03</td> <td>4,503.90</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,516.90</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Tubing 2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>158.42</td> <td>4,516.90</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,675.40</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Bull Plug</td> <td></td> <td></td> <td></td> <td></td> <td>0.75</td> <td>4,675.40</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,676.10</td> <td></td> <td></td> </tr> </tbody> </table>	Jts (ft)	Item Des Top (ftKB)	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len	1	Tubing Hanger	2 7/8	2.441	6.5	L-80	0.44	0.4	140	Tubing 2 7/8	2.441	6.5	L-80	4,435.93	0.4							4,436.40			1	Anchor 7	2.441	6.5	L-80	2.37	4,436.40							4,438.70			1	Tubing 2 7/8	2.441	6.5	L-80	31.75	4,438.70							4,470.50			1	Pump barrel	2 7/8		6.5	L-80	29.19	4,470.50						4,499.70			1	Tubing Pup Joint		4 1/2	6.5	L-80		4.23						4,499.70			1	Desander	4 1/2		6.5	L-80	13.03	4,503.90						4,516.90			5	Tubing 2 7/8	2.441	6.5	L-80	158.42	4,516.90							4,675.40			1	Bull Plug					0.75	4,675.40						4,676.10		
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					4,676.10																																																																																																																																																
11:00	4.50	15:30	SRIG	Rig Up/Down	Tie in sales line to sales. Drop standing valve pressure test tbg. to 800# held good. Waiting on rods.																																																																																																																																																
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	Displace fluid in tbg. Secure well, SDFN.																																																																																																																																																

LC Tribal 13H-33-46 12/21/2011 06:00 - 12/22/2011 06:00

API/UWI 43-013-50575	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,240.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	--------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.s
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	4.00	11:30	RURP	Run Rods & Pump	PU Rods Space out & Test Pump. Flush sales line & Treater w/ Hot oiler. Hange Head,
11:30	5.00	16:30	SRIG	Rig Up/Down	RDMO w/o Rig RU on the 16-6D-45 BTR.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	Well on production

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. 1420H626304	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BILL BARRETT CORPORATION Contact: MEGAN FINNEGAN E-Mail: mfinnegan@billbarrettcorp.com		7. Unit or CA Agreement Name and No.	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. LC TRIBAL 13H-33-46	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW 904FSL 463FWL At top prod interval reported below SESE 897FSL 972FEL At total depth SWSW 774FSL 765FWL		9. API Well No. 43-013-50575	
14. Date Spudded 09/17/2011		15. Date T.D. Reached 11/04/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/27/2011		10. Field and Pool, or Exploratory ALTAMONT	
18. Total Depth: MD 10240 TVD 5736		11. Sec., T., R., M., or Block and Survey or Area Sec 34 T4S R6W Mer UBM	
19. Plug Back T.D.: MD 10174 TVD 5735 710		12. County or Parish DUCHESNE	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) OBL, CCL, GAMMA		13. State UT	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		17. Elevations (DF, KB, RT, GL)* 7393 GL	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	104	104			0	
12.250	9.625 J-55	36.0	0	1505	1500	420	171	0	
8.750	7.000 P-110	23.0	0	6302	6140	775	233	3140	
6.125	4.500 P-110	11.6	0	10240	10220				

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4676							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	6746	10131	6746 TO 10131			SLOTTED SLEEVES
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6746 TO 10131	GREEN RIVER: SEE TREATMENT STAGES 1 - 15

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/27/2011	12/03/2011	24	→	353.0	72.0	490.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	SI	131.0	→	353	72	490	1000	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						JAN 17 2012
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #128400 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	2050
				MAHOGANY	2555
				DOUGLAS CREEK	4532
				BLACK SHALE	5254
				CASTLE PEAK	5540
				UTELAND BUTTE	6145
				CR 1	6401
				TD	10240

32. Additional remarks (include plugging procedure):
 TOC was calculated by CBL. First gas sales was on 11/27/2011. First oil sales was on 11/30/2011. Conductor was set with grout. Production liner was not cemented. Stimulation Sleeves were used to complete well, attached is swell packer and stimulation sleeve placement data.

 Tubing was set on 12/20/2011 after the production test date. There is no tubing pressure for the test data that was taken on 12/3/2011.

- 33. Circle enclosed attachments:**
- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):
 Electronic Submission #128400 Verified by the BLM Well Information System.
 For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN Title PERMIT ANALYST
 Signature  Date 01/17/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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Additional data for transaction #128400 that would not fit on the form

32. Additional remarks, continued

Pilot Hole Total Depth is at 6302' MD, 5819' TVD.

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LC Tribal 13H-33-46 Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>BBLs Slurry</u>	<u>lbs 20/40 White Sand</u>	<u>lbs 100 Mesh Sand</u>
1	3,336	138,200	30,600
2	2,552	76,400	27,900
3	3,218	120,600	27,900
4	3,104	120,200	28,000
5	2,870	119,600	27,700
6	3,391	144,700	31,700
7	3,275	145,100	32,100
8	3,226	144,800	32,100
9	2,667	89,700	32,000
10	2,891	111,800	32,500
11	3,174	144,200	33,100
12	3,233	145,200	32,200
13	3,557	143,500	32,100
14	3,194	144,500	31,700
15	2,510	128,900	28,500

*Depth intervals for frac information same as perforation record intervals.

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Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 34-T4S-R6W

LC Tribal 13H-33-46

Plan A Rev 1

Survey: Sperry MWD Surveys

Sperry Drilling Services Standard Report

15 December, 2011

Well Coordinates: 639,409.70 N, 2,264,071.32 E (40° 05' 06.10" N, 110° 33' 22.27" W)
Ground Level: 7,391.00 ft

Local Coordinate Origin:	Centered on Well LC Tribal 13H-33-46
Viewing Datum:	RKB 24' @ 7415.00ft (H&P 319)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

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DIV. OF OIL, GAS & MINING

HALLIBURTON

HALLIBURTON

Survey Report for LC Tribal 13H-33-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tie-On to Surface @ 0.00 ft							
124.00	0.21	297.64	124.00	0.11	-0.20	0.20	0.17
First Sperry MWD Survey @ 124.00 ft							
186.00	0.24	271.28	186.00	0.16	-0.43	0.43	0.17
248.00	0.30	248.02	248.00	0.10	-0.71	0.71	0.20
340.00	0.48	276.16	340.00	0.05	-1.32	1.32	0.28
431.00	0.55	323.86	430.99	0.45	-1.96	1.94	0.46
523.00	0.38	292.25	522.99	0.92	-2.50	2.48	0.33
614.00	0.73	285.32	613.99	1.19	-3.34	3.31	0.39
705.00	0.65	292.73	704.98	1.54	-4.37	4.34	0.13
797.00	0.69	326.71	796.97	2.20	-5.16	5.11	0.43
888.00	0.74	320.73	887.97	3.12	-5.83	5.76	0.10
981.00	0.48	310.30	980.96	3.83	-6.51	6.42	0.30
1,072.00	0.54	303.56	1,071.96	4.32	-7.15	7.06	0.09
1,163.00	0.77	280.14	1,162.95	4.66	-8.11	8.01	0.38
1,255.00	0.60	306.69	1,254.95	5.06	-9.11	8.99	0.39
1,349.00	0.58	308.36	1,348.94	5.65	-9.88	9.75	0.03
1,435.00	0.54	296.00	1,434.94	6.10	-10.58	10.44	0.15
1,538.00	1.30	301.46	1,537.92	6.92	-12.02	11.85	0.74
1,633.00	2.42	329.66	1,632.87	9.21	-13.95	13.73	1.49
1,727.00	0.88	305.85	1,726.83	11.35	-15.54	15.27	1.76
1,821.00	0.24	211.47	1,820.83	11.60	-16.22	15.96	0.99
1,915.00	0.34	359.94	1,914.83	11.71	-16.33	16.06	0.59
2,009.00	0.40	300.94	2,008.83	12.16	-16.61	16.33	0.39
2,104.00	0.58	290.23	2,103.82	12.50	-17.34	17.06	0.21
2,198.00	0.44	357.11	2,197.82	13.02	-17.81	17.51	0.61
2,292.00	0.30	331.28	2,291.82	13.60	-17.94	17.63	0.23
2,386.00	0.35	273.91	2,385.82	13.84	-18.35	18.03	0.34
2,481.00	0.35	275.88	2,480.81	13.88	-18.93	18.61	0.01
2,574.00	0.26	353.82	2,573.81	14.12	-19.23	18.91	0.42
2,668.00	0.45	327.59	2,667.81	14.65	-19.45	19.12	0.26
2,762.00	0.47	282.77	2,761.81	15.04	-20.03	19.68	0.37
2,857.00	0.44	22.76	2,856.81	15.47	-20.27	19.91	0.73
2,951.00	0.34	306.67	2,950.80	15.97	-20.35	19.98	0.52
3,045.00	0.58	291.33	3,044.80	16.31	-21.02	20.64	0.28
3,139.00	0.52	317.31	3,138.80	16.79	-21.75	21.36	0.27
3,233.00	0.74	302.54	3,232.79	17.43	-22.55	22.15	0.29
3,328.00	0.79	350.76	3,327.78	18.41	-23.17	22.75	0.66
3,422.00	0.68	330.41	3,421.78	19.53	-23.55	23.10	0.30
3,516.00	0.69	6.77	3,515.77	20.58	-23.76	23.29	0.45
3,610.00	0.43	340.41	3,609.77	21.47	-23.81	23.32	0.38
3,698.00	0.64	317.83	3,697.76	22.15	-24.25	23.74	0.33
3,792.00	0.78	339.90	3,791.76	23.14	-24.83	24.29	0.32
3,887.00	1.02	327.84	3,886.74	24.46	-25.50	24.94	0.32
3,981.00	0.29	314.15	3,980.74	25.34	-26.11	25.53	0.79
4,075.00	0.25	167.79	4,074.74	25.30	-26.24	25.66	0.55
4,170.00	0.12	323.43	4,169.74	25.18	-26.26	25.68	0.38
4,264.00	0.37	213.62	4,263.74	25.01	-26.48	25.91	0.45
4,358.00	0.24	18.66	4,357.73	24.94	-26.59	26.02	0.64

HALLIBURTON

Survey Report for LC Tribal 13H-33-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,452.00	0.34	285.54	4,451.73	25.20	-26.79	26.22	0.45
4,547.00	0.54	329.01	4,546.73	25.66	-27.30	26.71	0.39
4,641.00	0.75	316.21	4,640.73	26.48	-27.95	27.34	0.27
4,688.00	0.89	275.34	4,687.72	26.74	-28.53	27.91	1.25
4,735.00	3.47	269.97	4,734.68	26.77	-30.31	29.70	5.50
4,782.00	5.81	269.70	4,781.53	26.76	-34.11	33.50	4.98
4,829.00	8.00	268.11	4,828.18	26.64	-39.76	39.15	4.68
4,876.00	9.83	268.74	4,874.61	26.44	-47.04	46.43	3.90
4,924.00	12.02	268.41	4,921.74	26.22	-56.14	55.53	4.56
4,971.00	14.28	270.89	4,967.50	26.17	-66.83	66.21	4.96
5,018.00	15.92	272.10	5,012.88	26.50	-79.06	78.44	3.55
5,053.00	17.24	271.53	5,046.42	26.81	-89.05	88.42	3.80
5,100.00	19.53	271.60	5,091.02	27.22	-103.86	103.22	4.87
5,147.00	21.93	269.31	5,134.98	27.33	-120.50	119.84	5.39
5,194.00	23.96	265.71	5,178.26	26.51	-138.79	138.15	5.25
5,242.00	26.26	264.21	5,221.72	24.71	-159.08	158.48	4.97
5,289.00	29.12	263.40	5,263.33	22.35	-180.79	180.23	6.14
5,336.00	31.43	265.76	5,303.92	20.12	-204.37	203.86	5.53
5,383.00	33.66	267.86	5,343.54	18.73	-229.61	229.13	5.32
5,430.00	35.62	266.65	5,382.21	17.45	-256.29	255.83	4.42
5,477.00	36.65	266.15	5,420.17	15.70	-283.95	283.53	2.28
5,524.00	39.81	269.31	5,457.08	14.58	-313.01	312.59	7.90
5,571.00	43.23	268.76	5,492.27	14.05	-344.15	343.74	7.32
5,618.00	45.94	267.36	5,525.74	12.92	-377.12	376.73	6.13
5,665.00	48.35	266.47	5,557.71	11.06	-411.52	411.16	5.31
5,713.00	51.86	266.94	5,588.49	8.95	-448.28	447.96	7.35
5,760.00	55.34	268.16	5,616.37	7.34	-486.07	485.78	7.69
5,807.00	57.48	269.91	5,642.38	6.69	-525.21	524.92	5.51
5,854.00	59.27	269.08	5,667.02	6.34	-565.23	564.94	4.09
5,901.00	62.57	267.83	5,689.86	5.22	-606.28	606.01	7.40
5,948.00	64.26	266.94	5,710.90	3.30	-648.27	648.02	3.97
5,995.00	66.44	266.52	5,730.50	0.86	-690.91	690.71	4.71
6,042.00	69.16	266.94	5,748.25	-1.62	-734.35	734.20	5.85
6,090.00	69.73	266.14	5,765.11	-4.33	-779.21	779.11	1.96
6,137.00	70.38	266.68	5,781.14	-7.09	-823.31	823.26	1.75
6,184.00	72.95	268.19	5,795.92	-9.09	-867.87	867.85	6.26
6,220.00	76.04	269.27	5,805.55	-9.85	-902.55	902.54	9.06
6,250.00	79.12	269.66	5,812.00	-10.13	-931.84	931.83	10.34
6,297.00	82.89	270.10	5,819.35	-10.22	-978.25	978.23	8.07
6,341.00	83.37	270.15	5,824.61	-10.13	-1,021.94	1,021.91	1.10
6,388.00	83.64	269.52	5,829.92	-10.26	-1,068.64	1,068.59	1.45
6,433.00	86.10	268.93	5,833.95	-10.87	-1,113.45	1,113.41	5.62
6,480.00	88.89	270.36	5,836.00	-11.16	-1,160.40	1,160.35	6.67
6,525.00	90.20	270.73	5,836.36	-10.73	-1,205.39	1,205.33	3.02
6,572.00	90.57	270.68	5,836.04	-10.15	-1,252.39	1,252.30	0.79
6,616.00	90.98	270.98	5,835.45	-9.51	-1,296.38	1,296.26	1.15
6,660.00	91.41	271.19	5,834.53	-8.68	-1,340.36	1,340.21	1.09
6,708.00	89.80	270.92	5,834.02	-7.80	-1,388.35	1,388.17	3.40
6,755.00	88.66	270.52	5,834.66	-7.21	-1,435.34	1,435.13	2.57
6,804.00	89.13	270.54	5,835.60	-6.75	-1,484.33	1,484.10	0.96
6,851.00	91.75	269.82	5,835.24	-6.61	-1,531.32	1,531.08	5.78

HALLIBURTON

Survey Report for LC Tribal 13H-33-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,899.00	92.15	270.19	5,833.61	-6.60	-1,579.29	1,579.04	1.13
6,946.00	91.28	269.42	5,832.20	-6.76	-1,626.27	1,626.01	2.47
6,995.00	90.78	268.10	5,831.32	-7.82	-1,675.25	1,675.00	2.88
7,042.00	91.78	268.73	5,830.27	-9.12	-1,722.22	1,721.98	2.51
7,090.00	91.81	268.76	5,828.77	-10.17	-1,770.19	1,769.96	0.09
7,137.00	92.05	268.81	5,827.18	-11.17	-1,817.15	1,816.93	0.52
7,186.00	92.15	269.15	5,825.39	-12.04	-1,866.11	1,865.90	0.72
7,233.00	91.11	269.46	5,824.05	-12.61	-1,913.09	1,912.88	2.31
7,281.00	92.25	271.19	5,822.64	-12.34	-1,961.06	1,960.84	4.31
7,328.00	90.47	270.37	5,821.53	-11.70	-2,008.04	2,007.79	4.17
7,376.00	91.68	271.12	5,820.63	-11.08	-2,056.03	2,055.75	2.97
7,423.00	92.02	271.04	5,819.11	-10.19	-2,102.99	2,102.68	0.74
7,472.00	92.46	270.80	5,817.19	-9.40	-2,151.95	2,151.61	1.02
7,519.00	90.87	269.23	5,815.83	-9.39	-2,198.93	2,198.57	4.75
7,567.00	91.48	269.26	5,814.84	-10.02	-2,246.91	2,246.56	1.27
7,614.00	91.51	268.99	5,813.62	-10.74	-2,293.89	2,293.54	0.58
7,663.00	91.08	267.79	5,812.51	-12.12	-2,342.86	2,342.53	2.60
7,710.00	91.65	268.49	5,811.39	-13.64	-2,389.82	2,389.51	1.92
7,758.00	89.46	265.84	5,810.93	-16.02	-2,437.75	2,437.49	7.16
7,805.00	89.60	265.73	5,811.31	-19.47	-2,484.62	2,484.43	0.38
7,853.00	89.93	266.00	5,811.51	-22.93	-2,532.50	2,532.37	0.89
7,900.00	90.00	266.31	5,811.54	-26.08	-2,579.39	2,579.32	0.68
7,948.00	90.74	266.65	5,811.23	-29.03	-2,627.30	2,627.28	1.70
7,995.00	91.68	267.52	5,810.23	-31.42	-2,674.23	2,674.25	2.72
8,044.00	92.32	267.76	5,808.52	-33.44	-2,723.16	2,723.21	1.39
8,091.00	93.06	267.89	5,806.32	-35.22	-2,770.07	2,770.16	1.60
8,139.00	92.59	267.49	5,803.95	-37.15	-2,817.97	2,818.09	1.29
8,186.00	91.52	266.93	5,802.27	-39.44	-2,864.89	2,865.04	2.57
8,235.00	92.02	267.36	5,800.75	-41.88	-2,913.80	2,914.00	1.35
8,282.00	92.32	267.24	5,798.97	-44.09	-2,960.72	2,960.95	0.69
8,330.00	92.90	267.62	5,796.79	-46.24	-3,008.62	3,008.89	1.44
8,377.00	93.91	268.47	5,794.00	-47.84	-3,055.51	3,055.80	2.81
8,426.00	94.34	268.41	5,790.47	-49.17	-3,104.36	3,104.68	0.89
8,473.00	93.84	267.83	5,787.12	-50.71	-3,151.22	3,151.55	1.63
8,521.00	94.01	268.02	5,783.84	-52.44	-3,199.07	3,199.44	0.53
8,568.00	93.06	267.50	5,780.94	-54.28	-3,245.95	3,246.34	2.30
8,616.00	91.92	265.69	5,778.85	-57.12	-3,293.81	3,294.26	4.45
8,663.00	91.28	264.74	5,777.54	-61.04	-3,340.63	3,341.15	2.44
8,711.00	90.51	265.64	5,776.79	-65.07	-3,388.45	3,389.06	2.47
8,758.00	91.61	266.86	5,775.92	-68.14	-3,435.34	3,436.01	3.49
8,806.00	92.96	267.76	5,774.01	-70.39	-3,483.25	3,483.95	3.38
8,853.00	92.45	267.38	5,771.79	-72.38	-3,530.16	3,530.89	1.35
8,902.00	89.63	266.23	5,770.90	-75.11	-3,579.07	3,579.85	6.22
8,949.00	90.24	267.64	5,770.95	-77.63	-3,626.00	3,626.83	3.27
8,997.00	91.01	267.60	5,770.43	-79.62	-3,673.95	3,674.81	1.61
9,044.00	90.94	267.98	5,769.63	-81.43	-3,720.91	3,721.80	0.82
9,091.00	91.21	268.46	5,768.75	-82.89	-3,767.88	3,768.79	1.17
9,138.00	90.54	267.70	5,768.03	-84.47	-3,814.85	3,815.78	2.16
9,186.00	91.18	268.14	5,767.31	-86.21	-3,862.81	3,863.77	1.62
9,233.00	91.48	267.42	5,766.22	-88.03	-3,909.76	3,910.75	1.66
9,281.00	91.52	266.67	5,764.96	-90.50	-3,957.68	3,958.72	1.56

HALLIBURTON

Survey Report for LC Tribal 13H-33-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
9,328.00	91.48	266.64	5,763.73	-93.24	-4,004.59	4,005.67	0.11
9,377.00	91.18	268.58	5,762.59	-95.29	-4,053.53	4,054.65	4.01
9,472.00	91.08	268.87	5,760.72	-97.40	-4,148.48	4,149.63	0.32
9,567.00	92.19	269.43	5,758.01	-98.81	-4,243.43	4,244.58	1.31
9,662.00	91.38	266.89	5,755.05	-101.86	-4,338.33	4,339.52	2.81
9,757.00	93.24	267.78	5,751.22	-106.27	-4,433.15	4,434.42	2.17
9,851.00	92.46	267.82	5,746.55	-109.87	-4,526.96	4,528.29	0.83
9,946.00	91.34	267.47	5,743.40	-113.78	-4,621.82	4,623.22	1.24
10,040.00	91.79	267.64	5,740.83	-117.78	-4,715.70	4,717.16	0.51
10,191.00	90.94	265.61	5,737.23	-126.67	-4,866.39	4,868.01	1.46
Final Sperry MWD Survey @ 10191.00 ft							
10,240.00	90.94	265.61	5,736.43	-130.42	-4,915.24	4,916.93	0.00
Straight Line Projection to TD @ 10240.00							

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
0.00	0.00	0.00	0.00	Tie-On to Surface @ 0.00 ft
124.00	124.00	0.11	-0.20	First Sperry MWD Survey @ 124.00 ft
10,191.00	5,737.23	-126.67	-4,866.39	Final Sperry MWD Survey @ 10191.00 ft
10,240.00	5,736.43	-130.42	-4,915.24	Straight Line Projection to TD @ 10240.00

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	LC Tribal 13H-33-46_BHL Tgt	268.70	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
124.00	10,240.00	Sperry MWD Surveys	MWD

HALLIBURTON

Survey Report for LC Tribal 13H-33-46 - Sperry MWD Surveys

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LC Tribal 13H-33-46_Σ - survey hits target center - Point	0.00	0.00	0.00	0.00	0.00	639,409.70	2,264,071.32	40° 5' 6.100 N	110° 33' 22.270 W
LC Tribal 13H-33-46_E - survey misses target center by 27.62ft at 10191.00ft MD (5737.23 TVD, -126.67 N, -4866.39 E) - Point	0.00	0.00	5,750.00	-110.90	-4,885.13	639,247.27	2,259,188.08	40° 5' 4.999 N	110° 34' 25.118 W
LC Tribal 13H-33-46_Σ - survey hits target center - Polygon	0.00	0.00	0.00	0.00	0.00	639,409.70	2,264,071.32	40° 5' 6.100 N	110° 33' 22.270 W
LC Tribal 13H-33-46_Σ - survey hits target center - Polygon	0.00	0.00	0.00	0.00	0.00	639,409.70	2,264,071.32	40° 5' 6.100 N	110° 33' 22.270 W

HALLIBURTON

North Reference Sheet for Sec. 34-T4S-R6W - LC Tribal 13H-33-46 - Plan A Rev 1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 24' @ 7415.00ft (H&P 319). Northing and Easting are relative to LC Tribal 13H-33-46

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99990832

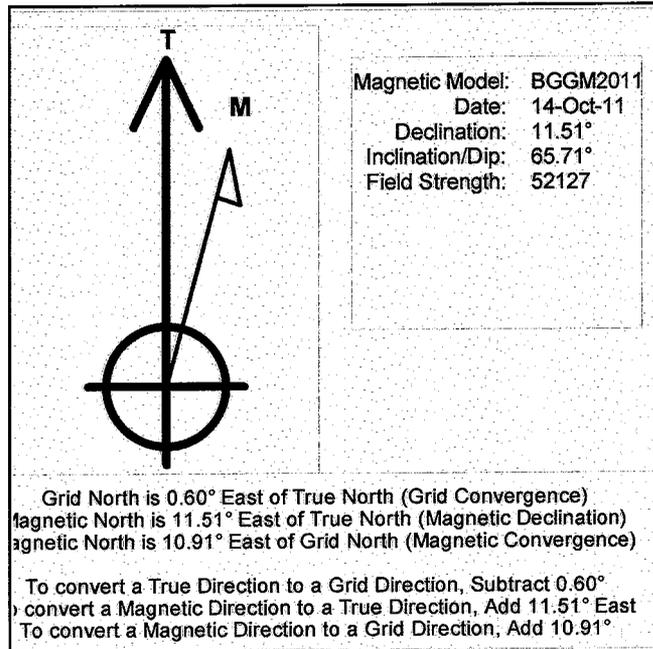
Grid Coordinates of Well: 639,409.70 ft N, 2,264,071.32 ft E

Geographical Coordinates of Well: 40° 05' 06.10" N, 110° 33' 22.27" W

Grid Convergence at Surface is: 0.60°

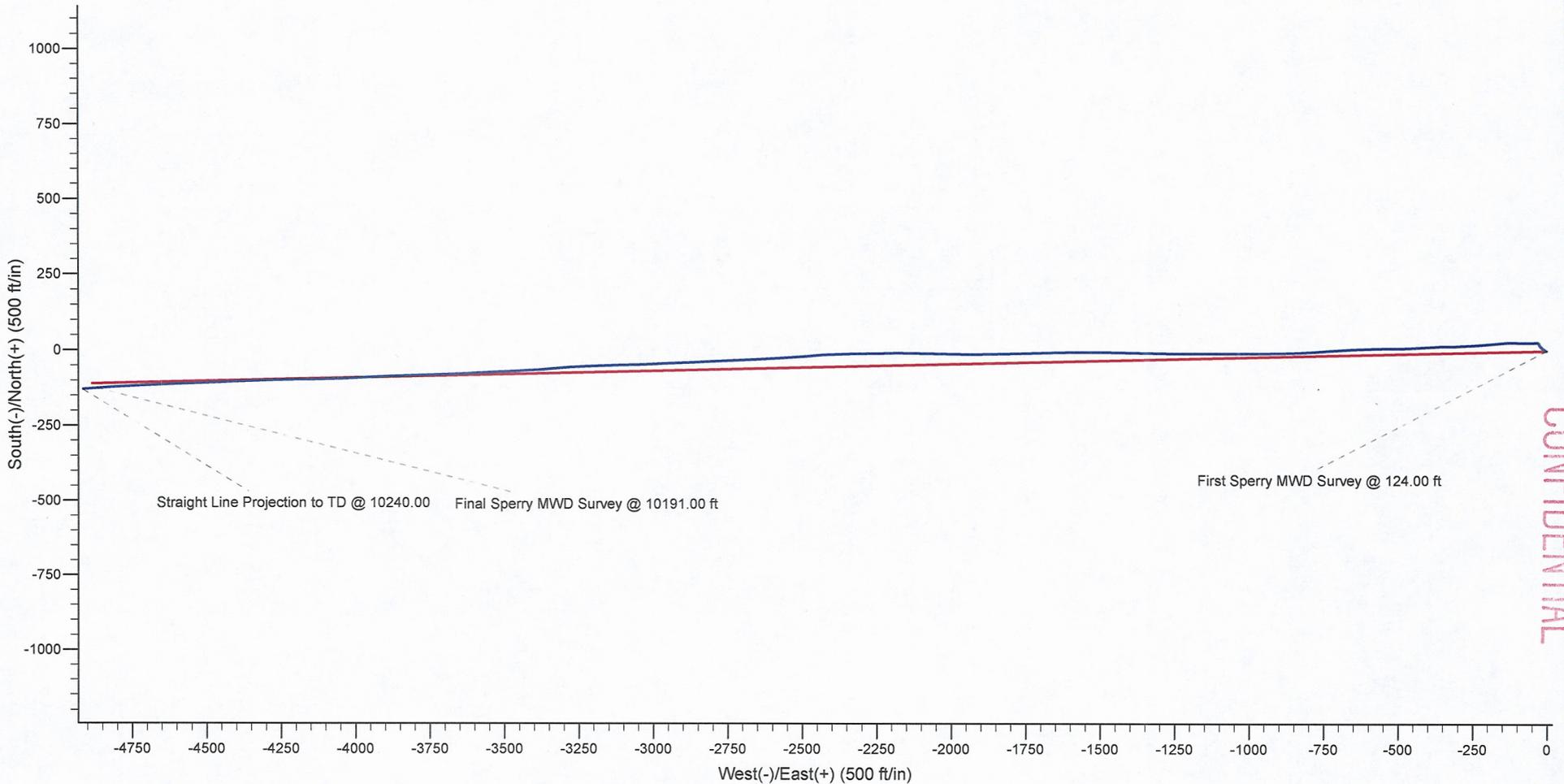
Based upon Minimum Curvature type calculations, at a Measured Depth of 10,240.00ft the Bottom Hole Displacement is 4,916.97ft in the Direction of 268.48° (True).

Magnetic Convergence at surface is: -10.91° (14 October 2011, , BGGM2011)



LEGEND

- LC Tribal 13H-33-46, Plan A Rev 1, Plan A Rev 1 Proposal V0
- Sperry MWD Surveys

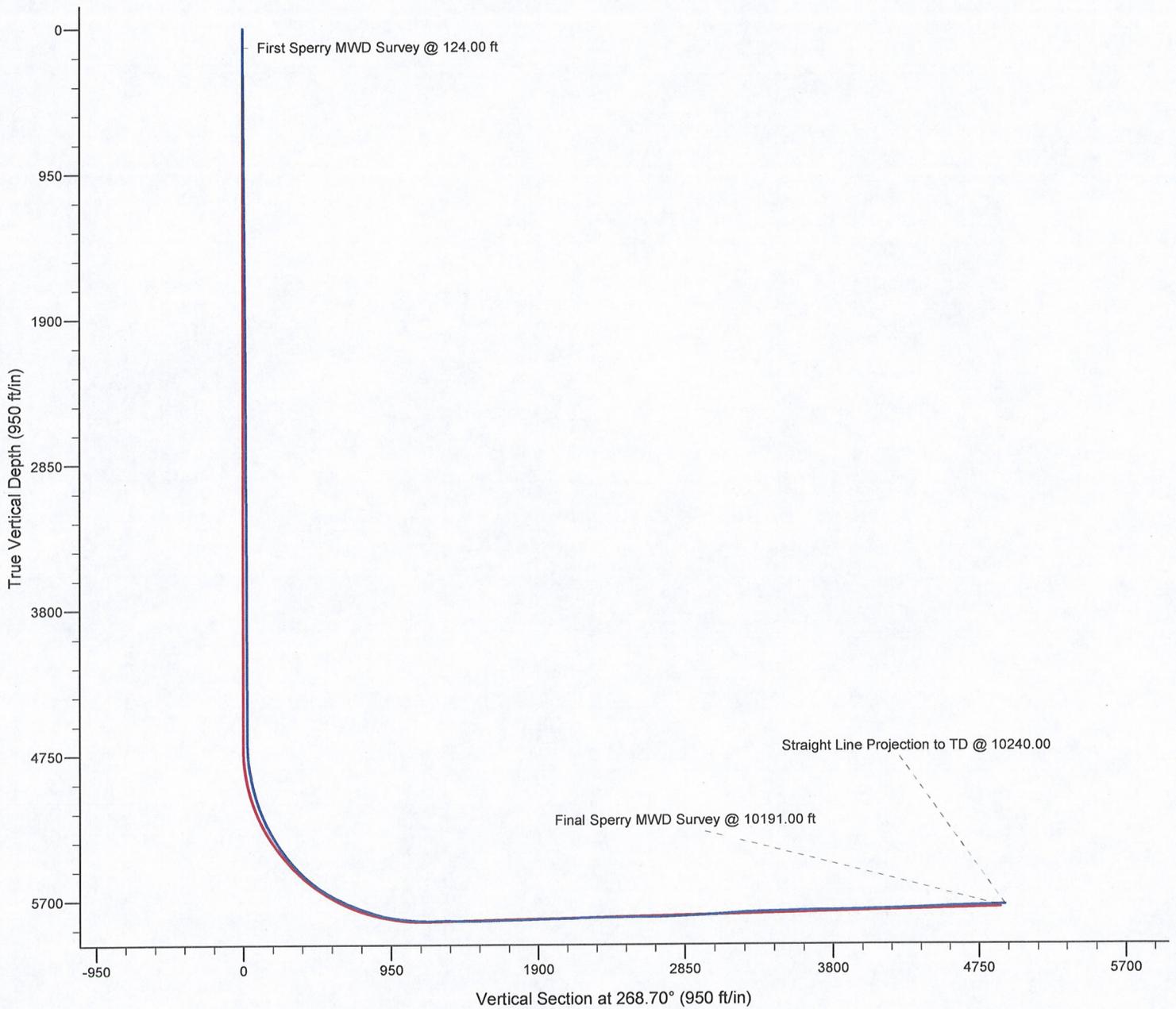


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LEGEND

- LC Tribal 13H-33-46, Plan A Rev 1, Plan A Rev 1 Proposal V0
- Sperry MWD Surveys



HALLIBURTONCompletion
Tools**CONFIDENTIAL**

STIMULATION SLEEVES			
SAP# 101799118			
DSS #	ID (in)	Ball	DEPTH
DSI	1.540	1.625	10,128
1	1.790	1.875	9,907
2	1.915	2.000	9,692
3	2.040	2.125	9,478
4	2.165	2.250	9,264
5	2.290	2.375	9,051
6	2.415	2.500	8,795
7	2.540	2.625	8,538
8	2.665	2.750	8,281
9	2.790	2.875	8,025
10	2.915	3.000	7,768
11	3.040	3.125	7,512
12	3.155	3.280	7,255
13	3.310	3.443	7,001
14	3.473	3.615	6,746
15			
16			
17			
18			
19			
20			
21			
22			
23			

SWELL PACKERS			
SAP# 101803983			
SP #	DEPTH	SP #	DEPTH
1	9,995	25	
2	9,780	26	
3	9,565	27	
4	9,351	28	
5	9,138	29	
6	8,882	30	
7	8,625	31	
8	8,369	32	
9	8,112	33	
10	7,856	34	
11	7,599	35	
12	7,342	36	
13	7,088	37	
14	6,833	38	
15	6,619	39	
16	6,577	40	
17	6,534	41	
18	6,068	42	
19		43	
20		44	
21		45	
22		46	
23		47	
24		48	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626304
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
--	---

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 13H-33-46
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2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013505750000
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0904 FSL 0463 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 34 Township: 04.0S Range: 06.0W Meridian: U	COUNTY: DUCHESNE STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/3/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" 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.

BBC would like to provide notice that gas will be flared at the subject location from 9/3/13 until 9/6/13 due to unavoidable conditions. Kinder Morgan will be performing emissions testing at their compressor site during this time. See attached spreadsheet for flaring locations and maximum amounts to be flared.

Accepted by the Utah Division of Oil, Gas and Mining

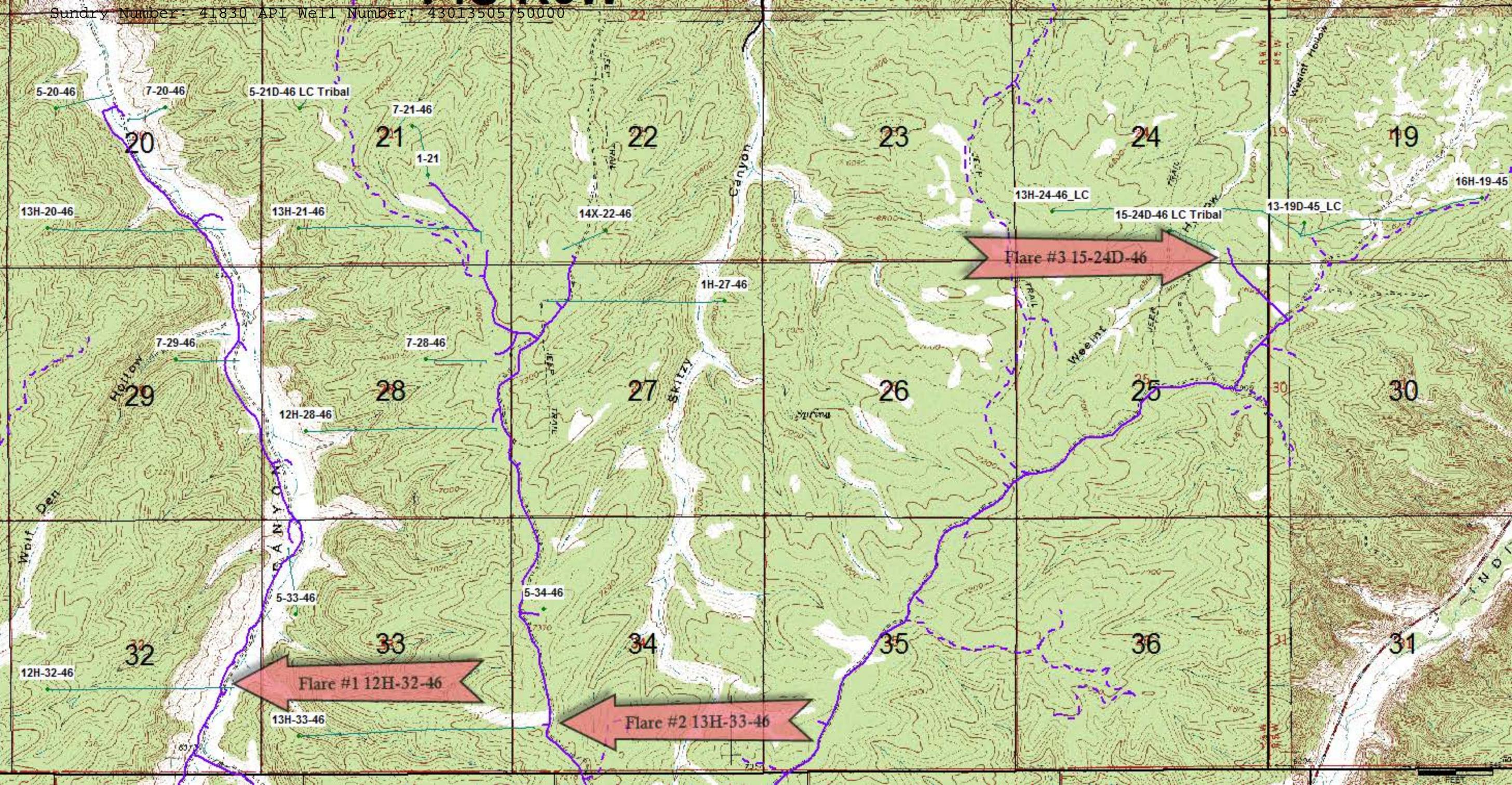
Date: September 23, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 8/28/2013	

Lake Canyon

	<u>Daily Gas Prod</u>
Flare #1	
05-20-46 DLB	132
07-20-46 DLB	63
13H-20-46 LC	199
07-29-46 DLB	33
05-33-46 DLB	43
12H-32-46 LC	43
	512.0
Flare #2	
01H-27-46 LC Tribal	47
05-21D-46 LC Tribal	56
07-21-46 DLB	64
13H-21-46 LC	117
14X-22-46 DLB	5
07-28-46 DLB	
12H-28-46 LC	64
05-34-46 DLB	25
13H-33-46 LC Tribal	13
	390.6
Flare #3	
13H-24-46 LC Tribal	118
13-19D-45 LC Tribal	30
15-24D-46 LC Tribal	61
16H-19-45 LC Tribal	139
	347.6



Division of Oil, Gas and Mining
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

- Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
- Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
- New operator Division of Corporations Business Number: 8256968-0160

REVIEW:

- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
- Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
- Reports current for Production/Disposition & Sundries: 11/2/2016
- OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
- UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
- Surface Facility(s) included in operator change: None
- Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

NEW OPERATOR BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000712
- Indian well(s) covered by Bond Number: LPM 922467
- State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

- Well(s) update in the **OGIS** on: 11/7/2016
- Entity Number(s) updated in **OGIS** on: 11/7/2016
- Unit(s) operator number update in **OGIS** on: N/A
- Surface Facilities update in **OGIS** on: N/A
- State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
- Surface Facilities update in **RBDMS** on: N/A

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
Telephone:(801) 683-4245
Fax:(801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

A handwritten signature in cursive script that reads "Brady Riley".

Brady Riley
Permit Analyst

RECEIVED
OCT 21 2016
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
2. NAME OF OPERATOR: RIG II, LLC <u>N14055</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (801) 683-4245		8. WELL NAME and NUMBER: (see attached well list)
4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) COUNTY:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		10. FIELD AND POOL, OR WILDCAT:

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit In Duplicate) Approximate date work will start: <u>11/1/2016</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<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 checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
801-683-4245
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N21165
Duana Zavala NAME (PLEASE PRINT)
Duana Zavala SIGNATURE
Senior Vice President -
EH&S, Government and Regulatory Affairs

RIG II, LLC
Jesse McSwain NAME (PLEASE PRINT)
Jesse McSwain SIGNATURE
Manager

NAME (PLEASE PRINT) Jesse McSwain TITLE Manager
SIGNATURE Jesse McSwain DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

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

Request to Transfer Application or Permit to Drill

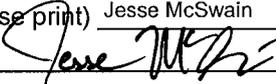
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	(See attached list)
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	Bill Barrett Corporation
Date original permit was issued:	
Company that permit was issued to:	Bill Barrett Corporation

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	✓	
If so, has the surface agreement been updated?		✓
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		✓
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✓
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		✓
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA</small>	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager
 Signature  Date 10/20/16
 Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

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

UIC FORM 5

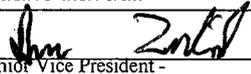
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

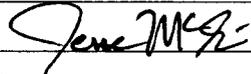
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION
Address: 1099 18th Street Ste 2300
city DENVER state CO zip 80202
Phone: (303) 293-9100
Comments:

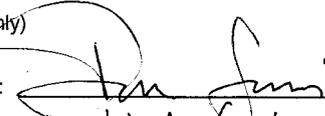
Name: Duane Zavadil
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC
Address: 1582 West 2600 South
city Wood Cross state UT zip 84087
Phone: (801) 683-4245
Comments:

Name: Jesse McSwain
Signature: 
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

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

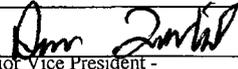
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

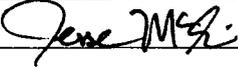
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: BILL BARRETT CORPORATION	Name: Duane Zavadil
Address: 1099 18th Street Ste 2300	Signature: 
city DENVER state CO zip 80202	Title: Senior Vice President - EH&S, Government and Regulatory Affairs
Phone: (303) 293-9100	Date: 10/20/16
Comments:	

NEW OPERATOR

Company: RIG II, LLC	Name: Jesse McSwain
Address: 1582 West 2600 South	Signature: 
city Wood Cross state UT zip 84087	Title: Manager
Phone: (801) 683-4245	Date: 10/20/16
Comments:	

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

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

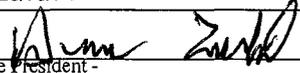
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

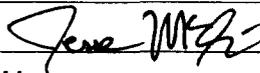
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadil</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: 
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: 
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

*This well was approved by USEPA.
 EPA approval will be required.*