

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>
<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> 7-10-36 BTR		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> CEDAR RIM		
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>		
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP				<b>7. OPERATOR PHONE</b> 303 312-8164		
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202				<b>9. OPERATOR E-MAIL</b> dspencer@billbarrettcorp.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 14-20-H62-6280		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Carl O & Kathryn L. Allred				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-420-9999		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 2577 East Ranch Road, Eagle Mountain, UT 84005				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> UTE		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	2135 FNL 2296 FEL	SWNE	10	3.0 S	6.0 W	U
<b>Top of Uppermost Producing Zone</b>	2135 FNL 2296 FEL	SWNE	10	3.0 S	6.0 W	U
<b>At Total Depth</b>	2135 FNL 2296 FEL	SWNE	10	3.0 S	6.0 W	U
<b>21. COUNTY</b> DUCHEсне		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 2135		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 320		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 990		<b>26. PROPOSED DEPTH</b> MD: 11300 TVD: 11300		
<b>27. ELEVATION - GROUND LEVEL</b> 5998		<b>28. BOND NUMBER</b> LPM 8874725		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Duchesne City Culinary Water Dock		
<b>ATTACHMENTS</b>						
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
<b>NAME</b> Elaine Winick		<b>TITLE</b> Sr. Permit Analyst		<b>PHONE</b> 303 293-9100		
<b>SIGNATURE</b>		<b>DATE</b> 10/14/2010		<b>EMAIL</b> ewinick@billbarrettcorp.com		
<b>API NUMBER ASSIGNED</b> 43013504370000		<b>APPROVAL</b>  Permit Manager				

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

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.5	9.625	0	3000		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	3000	36.0			

<b>Proposed Hole, Casing, and Cement</b>						
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	8.75	5.5	0	11300		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade P-110 LT&C	11300	17.0			

## DRILLING PLAN

BILL BARRETT CORPORATION  
 # 7-10-36 BTR  
 SHL: SW/NE 2135' FNL & 2296' FEL, Section 10-T3S-R6W  
 Surface Owner: Carl O & Kathryn L Allred  
 Duchesne County, Utah

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

<u>Formation</u>	<u>Depth – MD</u>
Green River	4,412'
Douglas Creek	7,392'
Black Shale	7,942'
Castle Peak	8,152'
Wasatch	9,012' *
TD	11,300'

\*PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

**4. Casing Program**

**A) Planned Program**

<u>Hole Size</u>	<u>SETTING DEPTH (FROM) (TO)</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
26"	surface	80'	16"	65#			
12 1/2"	surface	3,000'	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**

**A) Planned Program**

16" Conductor Casing	Grout cement
9 5/8" Surface Casing	Approximately 770 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.82 ft <sup>3</sup> /sx) circulated to surface with 75% excess. Approximately 230 sx Halliburton Premium Plus cement with additives mixed at 15.8 ppg (yield = 1.20 ft <sup>3</sup> /sx).
5 1/2" Production Casing	Approximately 400 sx Halliburton Hi-Fill Modified cement with additives mixed at 10.7 ppg (yield = 2.92 ft <sup>3</sup> /sx). Approximately 410 sx Halliburton Tuned Light RS-1 cement with additives mixed at 11.5 ppg (yield = 3.21 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 2,500'.

**6. Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 3,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3,000' – TD	8.6 – 9.2	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. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 3,000'	No pressure control required
3,000' – 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 7,500 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.	

**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 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.

**10. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5406 psi\* and maximum anticipated surface pressure equals approximately 2920 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Bill Barrett Corporation  
Drilling Program  
# 7-10-36 BTR  
Duchesne County, Utah

\*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:	Approximately July 15, 2011
Spud:	Approximately July 25, 2011
Duration:	30 days drilling time
	45 days completion time

'APIWellNo:43013504370000'

## **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.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 3,000 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 choke manifold will be located outside the rig sub-structure. 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

## BLACKTAIL RIDGE CEMENT VOLUMES

**Well Name:** 7-10-36 BTR

<b>Surface Hole Data:</b>		<b>Calculated Data:</b>	
Total Depth:	3,000'	Lead Volume:	1370.2 ft <sup>3</sup>
Top of Cement:	0'	Lead Fill:	2,500'
OD of Hole:	12.250"	Tail Volume:	274.0 ft <sup>3</sup>
OD of Casing:	9.625"	Tail Fill:	500'

<b>Cement Data:</b>		<b>Calculated # of Sacks:</b>	
Lead Yield:	1.82 ft <sup>3</sup> /sk	# SK's Lead:	770
% Excess:	75%		
Top of Lead:	0'		
Tail Yield:	1.20 ft <sup>3</sup> /sk	# SK's Tail:	230
% Excess:	75%		
Top of Tail:	2,500'		

<b>Production Hole Data:</b>		<b>Calculated Data:</b>	
Total Depth:	11,300'	Lead Volume:	1148.4 ft <sup>3</sup>
Top of Cement:	2,500'	Lead Fill:	4,133'
Top of Tail:	6,633'	Tail Volume:	1296.9 ft <sup>3</sup>
OD of Hole:	8.750"	Tail Fill:	4,667'
OD of Casing:	5.500"		

<b>Cement Data:</b>		<b>Calculated # of Sacks:</b>	
Lead Yield:	2.92 ft <sup>3</sup> /sk	# SK's Lead:	400
Tail Yield:	3.21 ft <sup>3</sup> /sk	# SK's Tail:	410
% Excess:	10%		

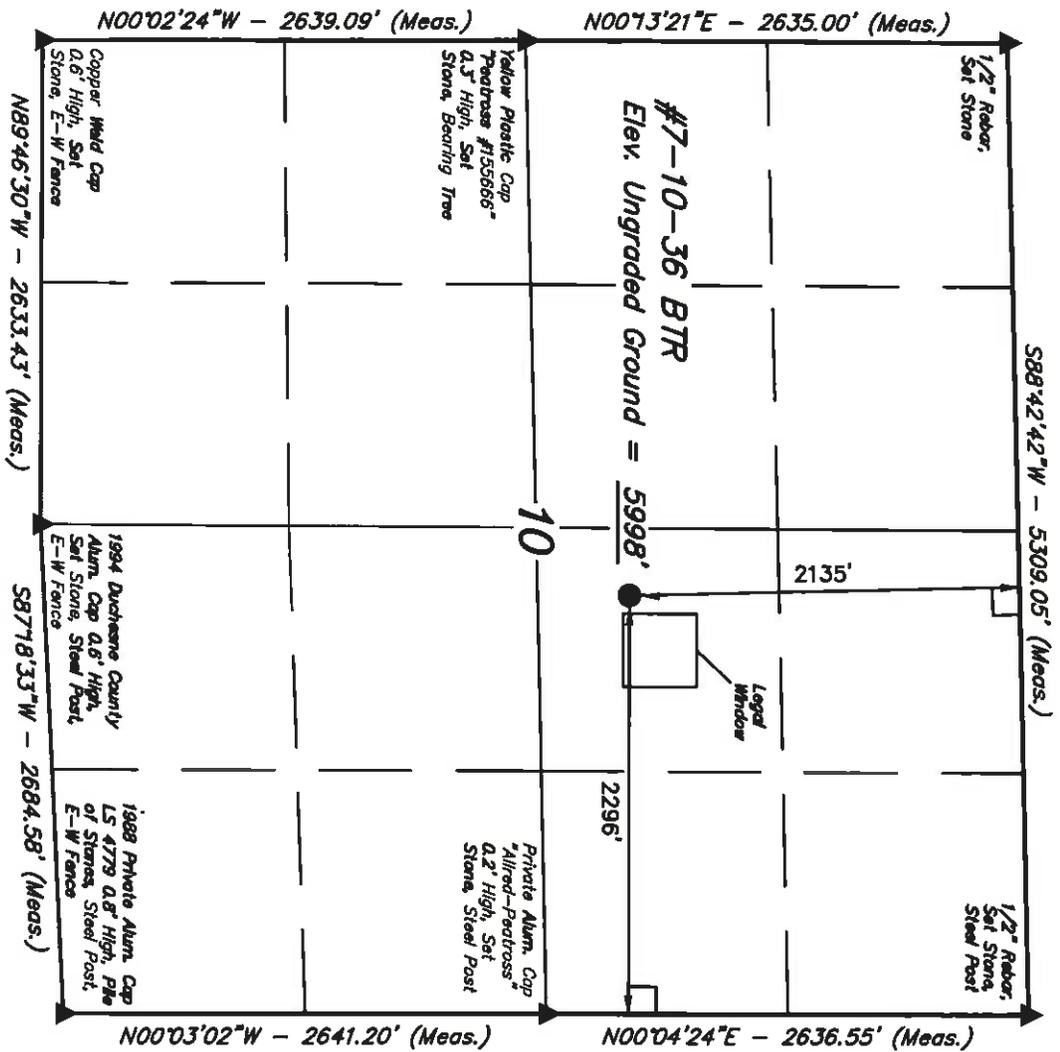
'APIWellNo:43013504370000'

**7-10-36 BTR Proposed Cementing Program**

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (2500' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 12.7 lbm/gal
1.0% Calcium Chloride	Slurry Yield: 1.82 ft <sup>3</sup> /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 9.72 Gal/sk
	Top of Fluid: 0'
	Calculated Fill: 2,500'
	Volume: 244.02 bbl
	<b>Proposed Sacks: 770 sks</b>
<b>Tail Cement - (TD - 2500')</b>	
Premium Cement	Fluid Weight: 15.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.20 ft <sup>3</sup> /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 5.238 Gal/sk
	Top of Fluid: 2,500'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 230 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (6633' - 2500')</b>	
Halliburton Hi-Fill Modified	Fluid Weight: 10.7 lbm/gal
0.2% HR-5	Slurry Yield: 2.92 ft <sup>3</sup> /sk
0.25 lbm/sk Poly-E-Flake	Total Mixing Fluid: 17.26 Gal/sk
5.0 lbm/sk Gilsonite	Top of Fluid: 2,500'
	Calculated Fill: 4,133'
	Volume: 204.52 bbl
	<b>Proposed Sacks: 400 sks</b>
<b>Tail Cement - (11300' - 6633')</b>	
Halliburton Tuned Light RS-1	Fluid Weight: 11.5 lbm/gal
0.2% Super CBL	Slurry Yield: 3.21 ft <sup>3</sup> /sk
0.2% HR-5	Total Mixing Fluid: 18.56 Gal/sk
	Top of Fluid: 6,633'
	Calculated Fill: 4,667'
	Volume: 230.96 bbl
	<b>Proposed Sacks: 410 sks</b>

# T3S, R6W, U.S.B.&M.



588°42'42"W - 5309.05' (Meas.)

N00°13'21"E - 2635.00' (Meas.)

N00°02'24"W - 2639.09' (Meas.)

N00°04'24"E - 2636.55' (Meas.)

N00°03'02"W - 2641.20' (Meas.)

N89°46'30"W - 2633.43' (Meas.)

S87°18'33"W - 2684.58' (Meas.)

- LEGEND:**
- = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
- (NAD 83)  
 LATITUDE = 40°14'08.04" (40.235567)  
 LONGITUDE = 110°32'52.98" (110.548050)  
 (NAD 27)  
 LATITUDE = 40°14'08.20" (40.235611)  
 LONGITUDE = 110°32'50.41" (110.547336)

## BILL BARRETT CORPORATION

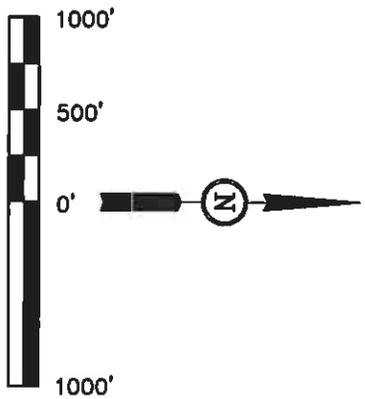
Well location, #7-10-36 BTR, located as shown in the SW 1/4 NE 1/4 of Section 10, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBIT GULCH 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 AS BEING 5904 FEET.

### BASIS OF BEARINGS

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



### CERTIFICATE

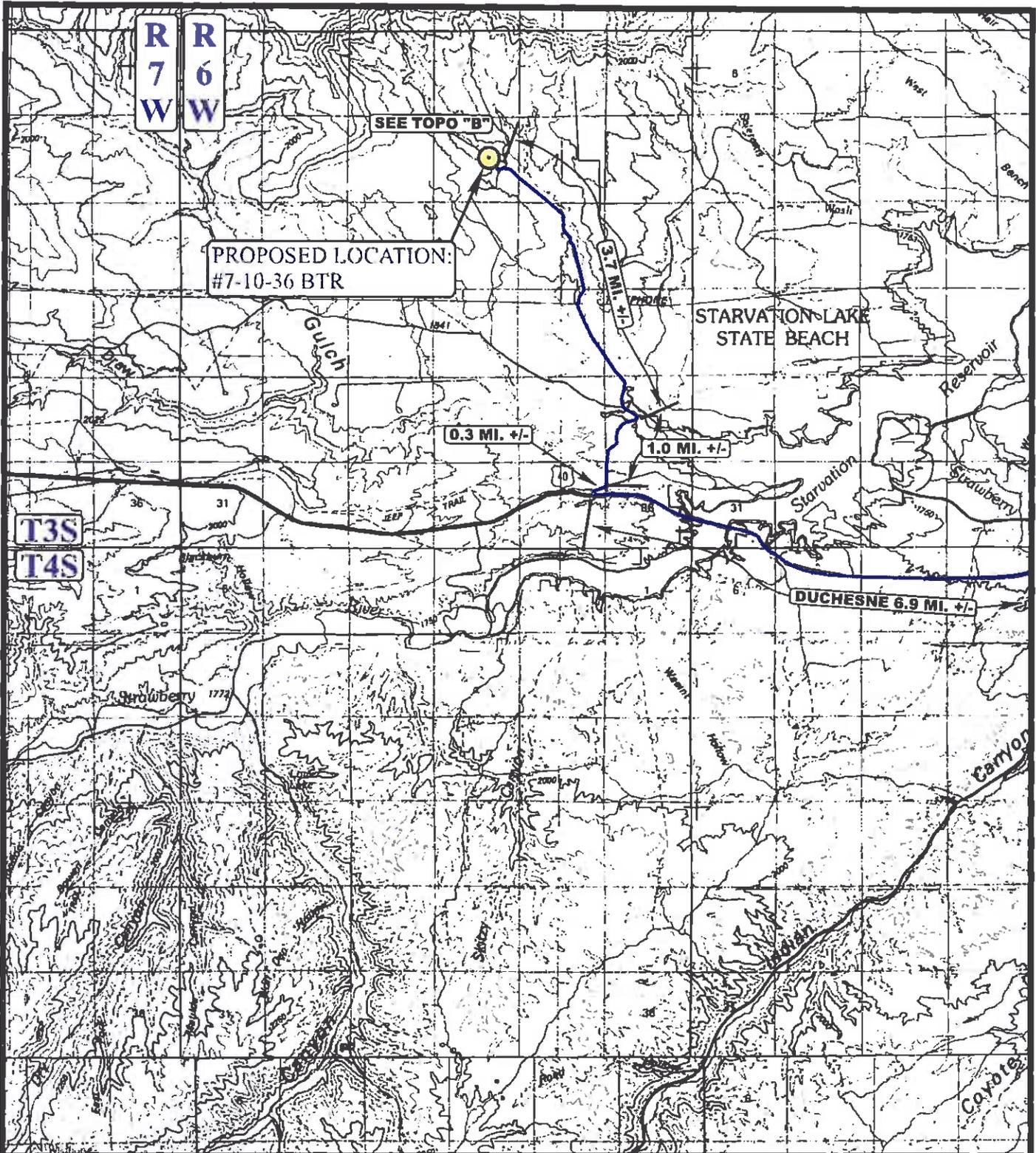
THIS IS TO CERTIFY THAT THE ABOVE PLANS, SPECIFICATIONS AND FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**REGISTERED LAND SURVEYOR**  
 KAY KAY ROBERTS  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REVISED: 08-20-10 C.C.

**UNTAR ENGINEERING & LAND SURVEYING**  
 86 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (436) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	01-09-08	DATE DRAWN:	01-15-08
PARTY	D.R. A.W. P.M.	REFERENCES	G.L.O. PLAT		
WEATHER	COLD	FILE	BILL BARRETT CORPORATION		



**LEGEND:**

 PROPOSED LOCATION



**BILL BARRETT CORPORATION**

#7-10-36 BTR  
SECTION 10, T3S, R6W, U.S.B.&M.  
2135' FNL, 2296' FEL



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

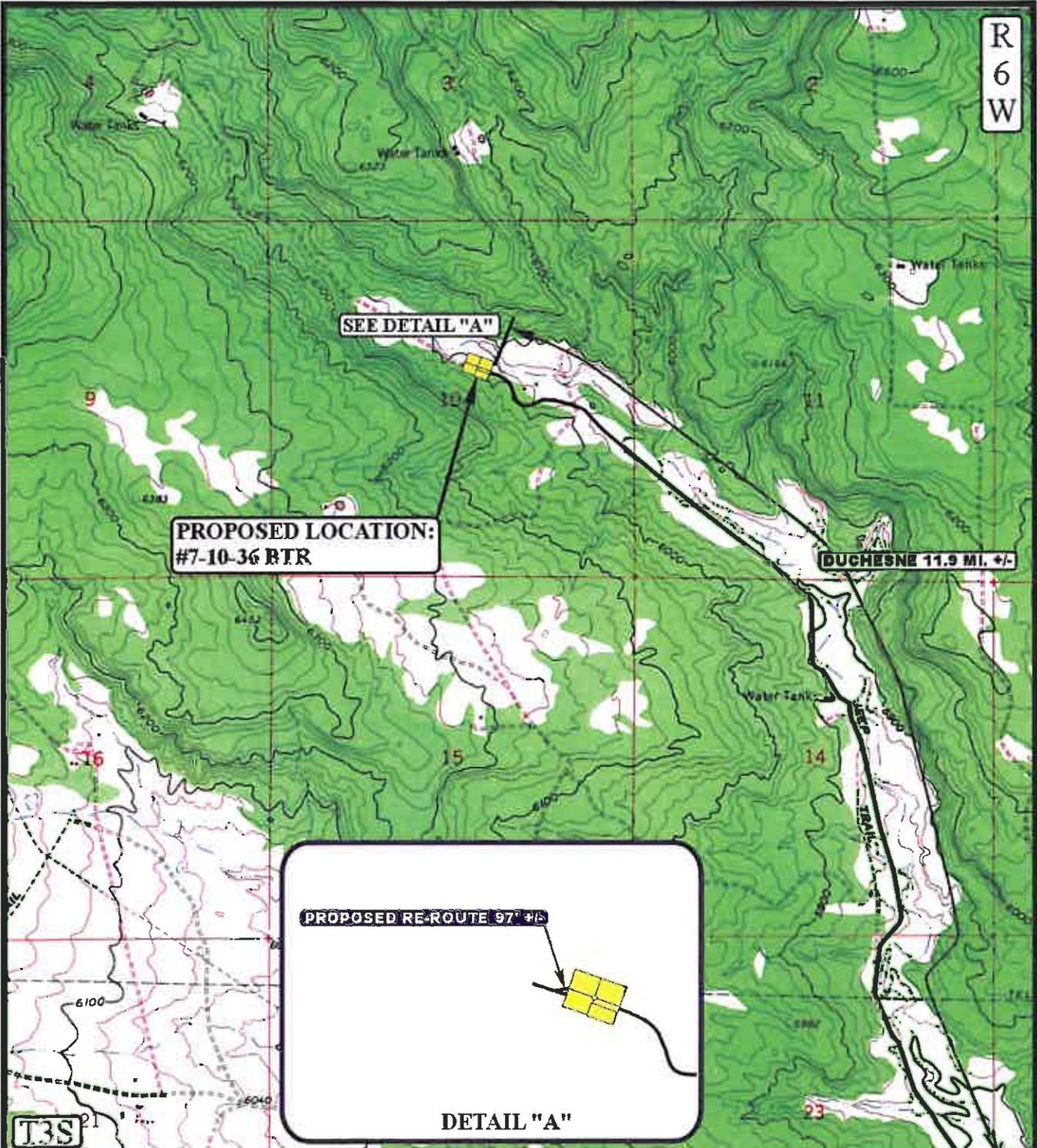
**TOPOGRAPHIC  
MAP**

**01 28 08**  
MONTH DAY YEAR



SCALE: 1:100,000 | DRAWN BY: G.L. | REVISED: 00-00-00

R  
6  
W



**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



**BILL BARRETT CORPORATION**

#7-10-36 BTR  
 SECTION 10, T3S, R6W, U.S.B.&M.  
 2135' FNL 2296' FEL



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP**

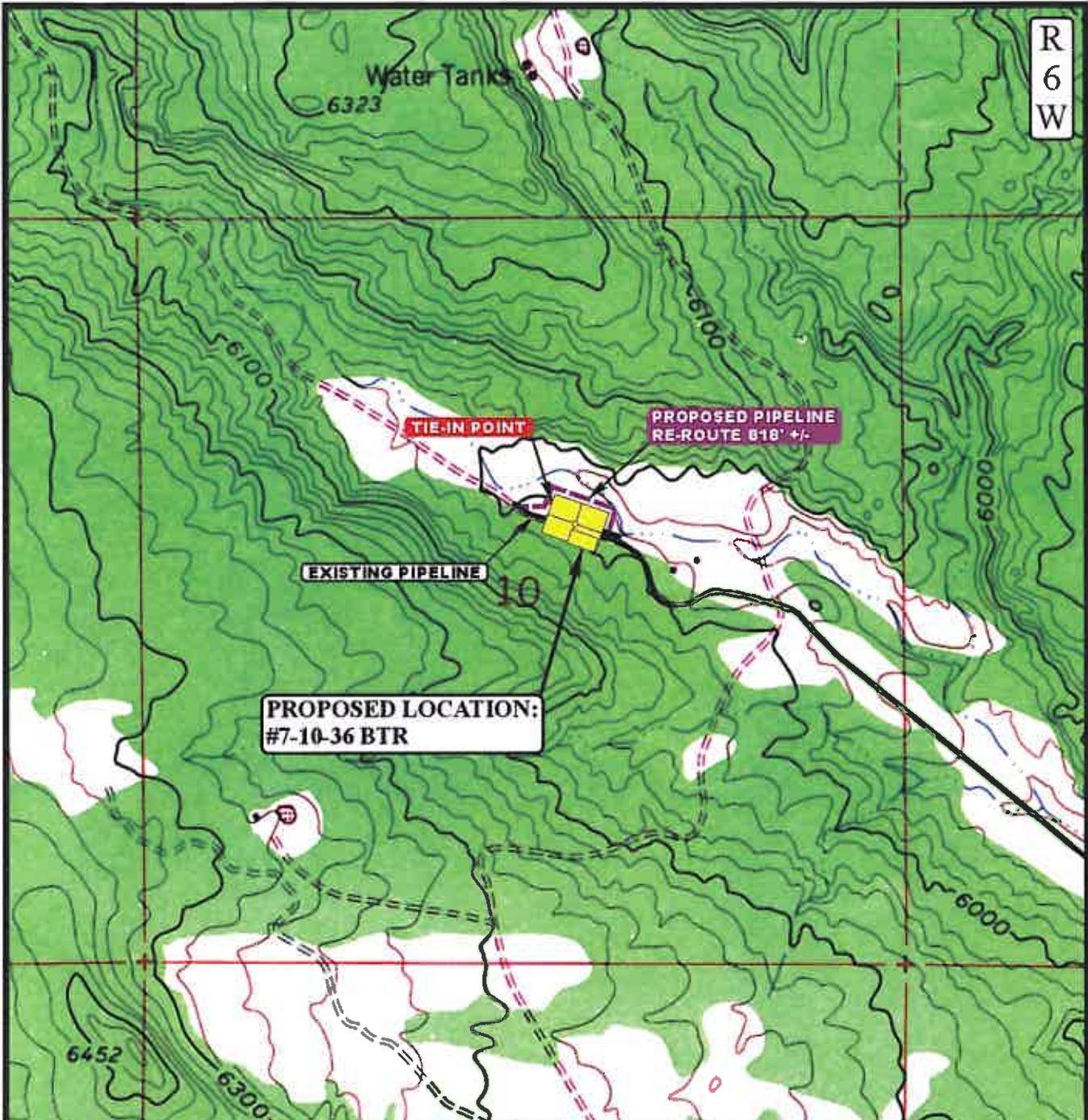
01	28	08
MONTH	DAY	YEAR

SCALE: 1" = 2000'    DRAWN BY: G.L.    REV: 08-03-10 JJ



'APIWellNo:43013504370000'

R  
6  
W



APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 818' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 41' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE RE-ROUTE

BILL BARRETT CORPORATION

#7-10-36 BTR  
 SECTION 10, T3S, R6W, U.S.B.&M.  
 2135' FNL 2296' FEL



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 • FAX (435) 789-1813



TOPOGRAPHIC MAP  
 SCALE: 1" = 1000'  
 DRAWN BY: G.L.  
 MONTH: 01 DAY: 28 YEAR: 08  
 REV: 08-03-10 JJ



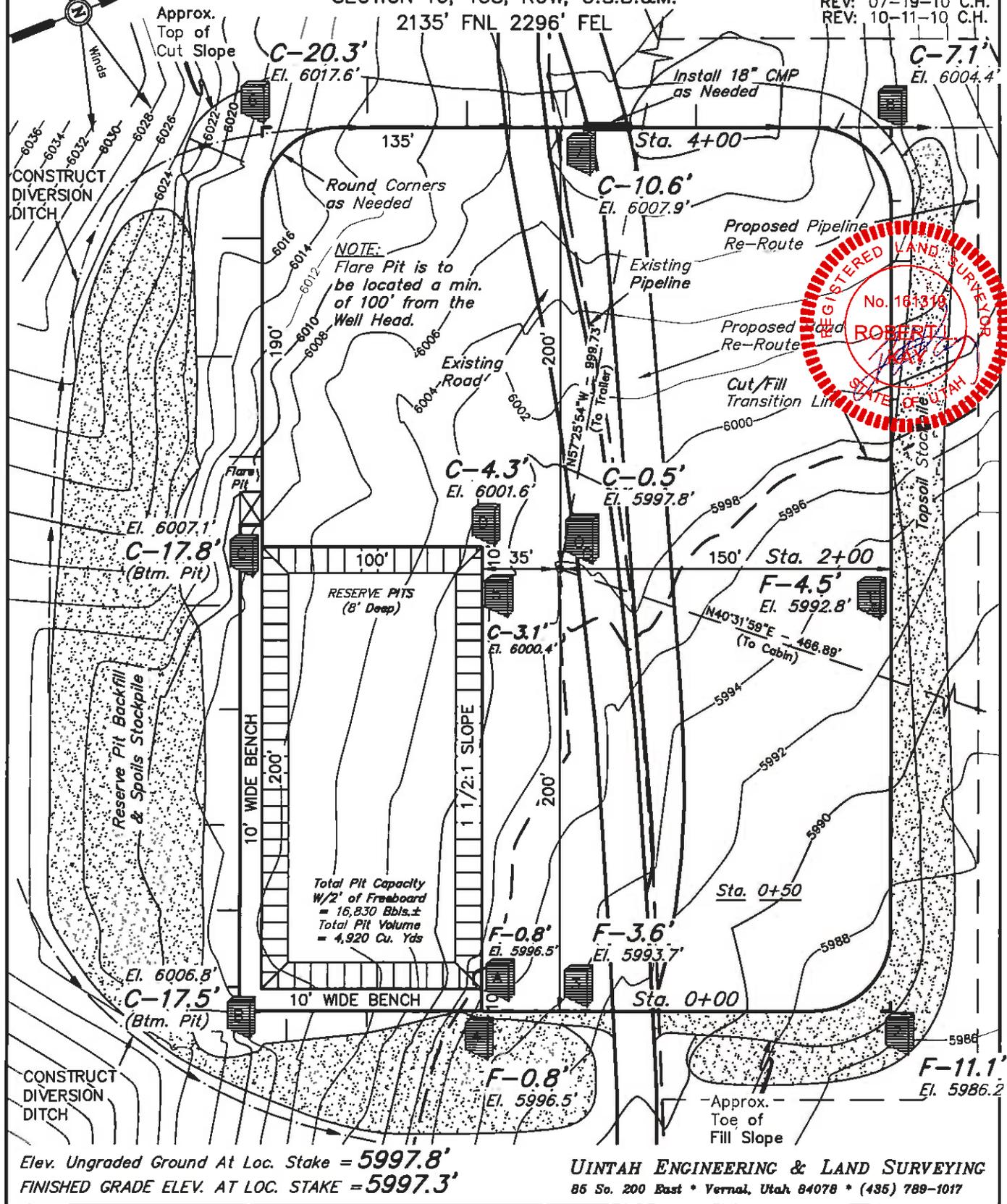
'APIWellNo:43013504370000'

**BILL BARRETT CORPORATION**  
**LOCATION LAYOUT FOR**

**FIGURE #1**

SCALE: 1" = 60'  
 DATE: 01-15-08  
 DRAWN BY: P.M.  
 REV: 07-19-10 C.H.  
 REV: 10-11-10 C.H.

#7-10-36 BTR  
 SECTION 10, T3S, R6W, U.S.B.&M.  
 2135' FNL 2296' FEL

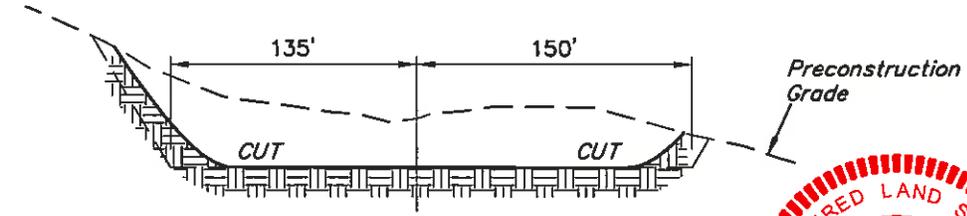


'APIWellNo:43013504370000'

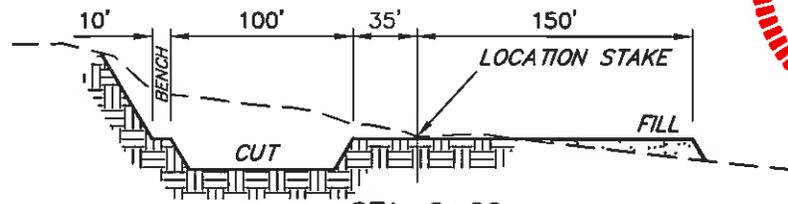
**BILL BARRETT CORPORATION**  
**TYPICAL CROSS SECTION FOR**  
**#7-10-36 BTR**  
**SECTION 10, T3S, R6W, U.S.B.&M.**  
**2135' FNL 2296' FEL**

**FIGURE #2**

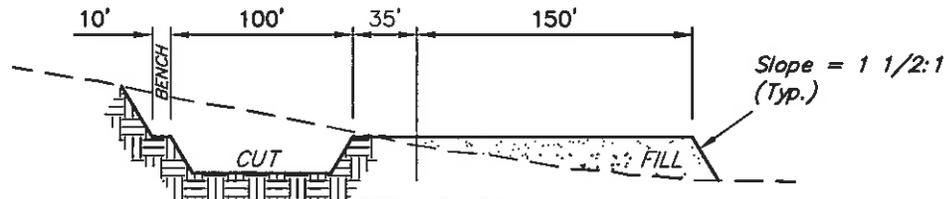
1" = 40'  
 X-Section Scale  
 1" = 100'  
 DATE: 01-15-08  
 DRAWN BY: P.M.  
 REV: 07-19-10 C.H.



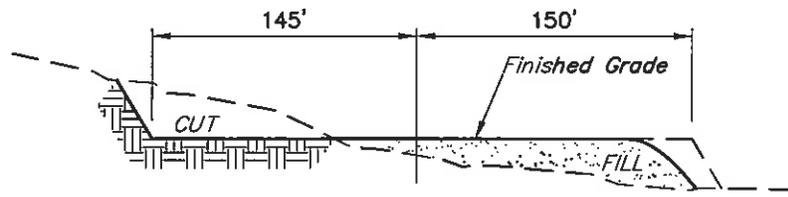
STA. 4+00



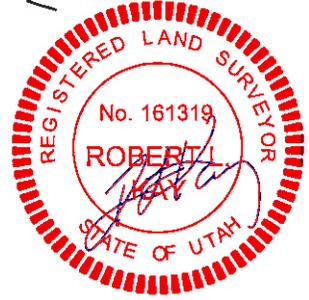
STA. 2+00



STA. 0+50



STA. 0+00



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

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE	= ± 3.461 ACRES
ACCESS ROAD DISTURBANCE	= ± 0.052 ACRES
PIPELINE DISTURBANCE	= ± 0.593 ACRES
PIPELINE RE-ROUTE DISTURBANCE	= ± 0.010 ACRES
<b>TOTAL</b>	<b>= ± 4.116 ACRES</b>

**\* NOTE:**  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	= 5,290 Cu. Yds.
Remaining Location	= 26,190 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 31,480 CU.YDS.</b>
<b>FILL</b>	<b>= 7,680 CU.YDS.</b>

EXCESS MATERIAL	= 23,800 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,750 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 16,050 Cu. Yds.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

APIWellNo:43013504370000

**BILL BARRETT CORPORATION**

**TYPICAL RIG LAYOUT FOR**

#7-10-36 BTR

SECTION 10, T3S, R6W, U.S.B.&M.

2135' FNL 2296' FEL

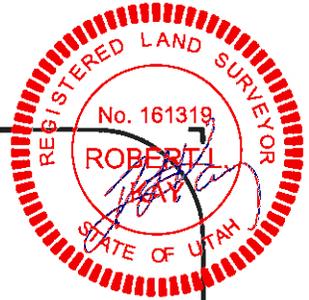
**FIGURE #3**

SCALE: 1" = 60'

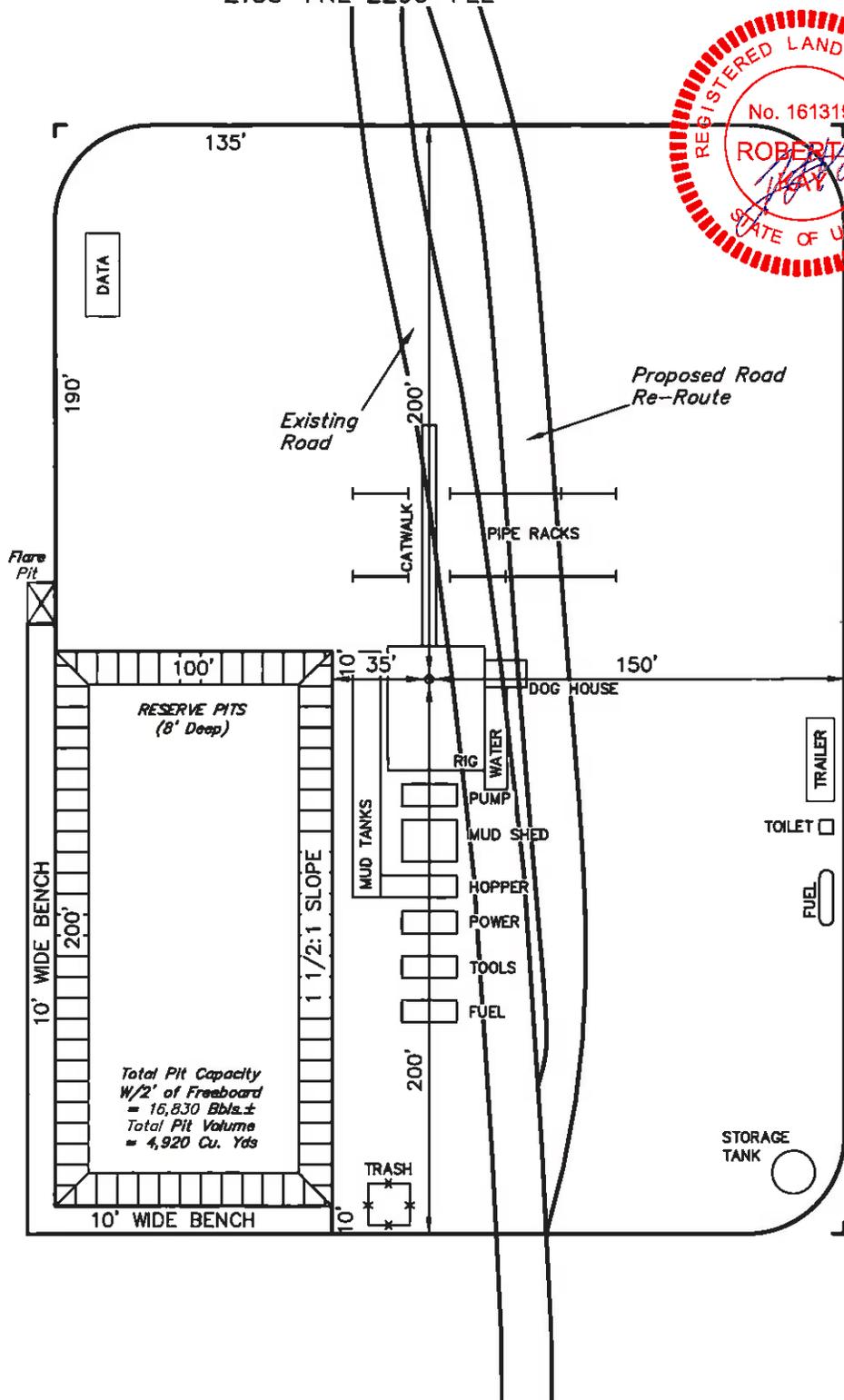
DATE: 01-15-08

DRAWN BY: P.M.

REV: 07-19-10 C.H.



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



Total Pit Capacity  
W/2' of Freeboard  
= 15,830 Bbls.±  
Total Pit Volume  
= 4,920 Cu. Yds

**UINTAH ENGINEERING & LAND SURVEYING**

85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

'APIWellNo:43013504370000'

BILL BARRETT CORPORATION  
#7-10-36 BTR  
SECTION 10, T3S, R6W, U.S.B.&M.

PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION FROM DUCHESNE, UTAH ON HIGHWAY 40 APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY; DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; PROCEED IN AN NORTHERLY THEN NORTHEASTERLY DIRECTION 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; PROCEED NORTHWESTERLY DIRECTION 3.7 MILES TO THE BEGINNING OF THE EXISTING ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION 127' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 11.9 MILES.



7-10-36

**SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT**

This Agreement, made and entered into this the 23rd day of August, 2010, by and Carl O. Allred and Kathryn L. Allred, husband and wife, as joint tenants, 2577 East Ranch Road, Eagle Mountain, UT 84005 ("Surface Owner") and Bill Barrett Corporation, 1099 18<sup>th</sup> Street, Suite 2300, Denver CO 80202, ("BBC").

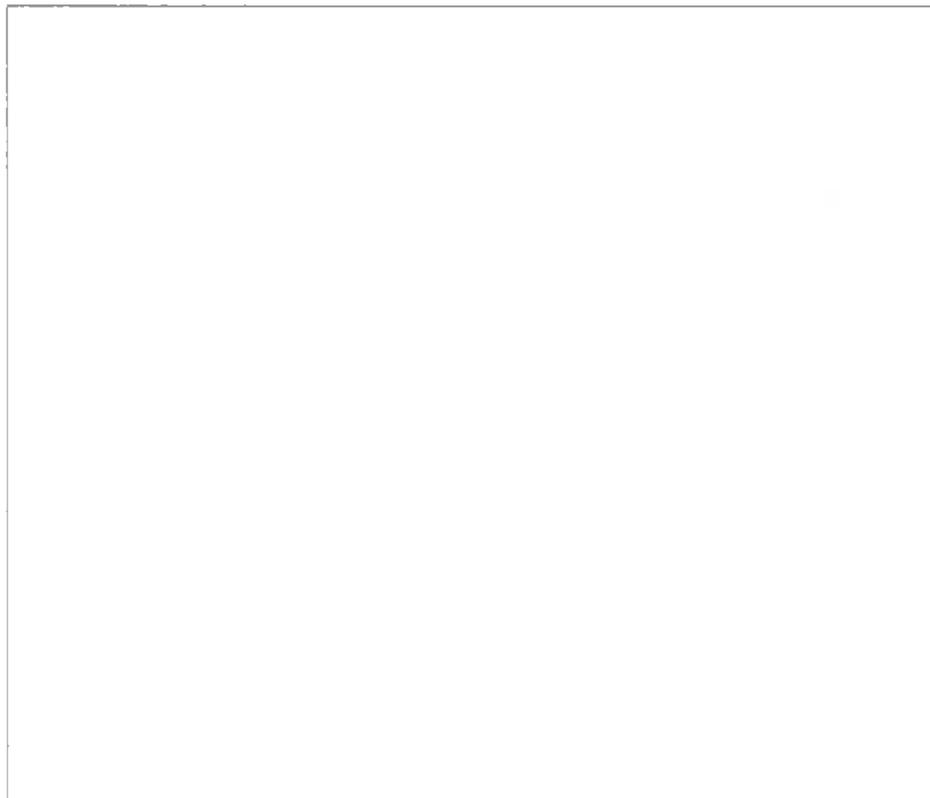
WITNESSETH THAT:

WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting the NE1/4 of Section 10, Township 3 South, Range 6 West, USM, of Duchesne County, Utah; and,

WHEREAS, such leases grant to BBC the right and privilege of ingress, egress, exploring, drilling, mining, operating for, producing and owning oil and gas and all other products produced therewith, together with the right to make surveys on said lands, lay pipelines, construct roads and bridges, dig canals, build power stations, telephone lines, employee houses and other structures on said lands, necessary or useful in BBC's operations; and,

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #7-10-36 BTR well at a legal drill-site location in the SW1/4NE1/4 of Section 10, Township 3 South, Range 6 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of the SW1/4NE1/4 of Section 10, Township 3 South, Range 6 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,





IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 23rd day of August, 2010.

SURFACE OWNERS:

BILL BARRETT CORPORATION

By: Carl O. Allred  
Carl O. Allred

By: Clint W. Turner  
Clint W. Turner, Agent for Bill Barrett Corporation

By: Kathryn L. Allred  
Kathryn L. Allred

STATE OF UTAH )  
COUNTY OF Wasch )

On the 10th day of September, 2010, personally appeared before me Carl O. Allred and Kathryn L. Allred, husband and wife known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purpose and consideration therein expressed.

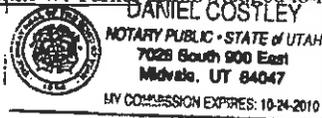
Kathie L. Rockwell  
Notary Public  
Residing at:

My Commission Expires: 5-15-2013



STATE OF UTAH )  
COUNTY OF SALT LAKE )

On the 13 day of September, 2010, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent of Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.



Daniel Costley  
Notary Public  
Residing at:

My Commission Expires: 10-24-2010

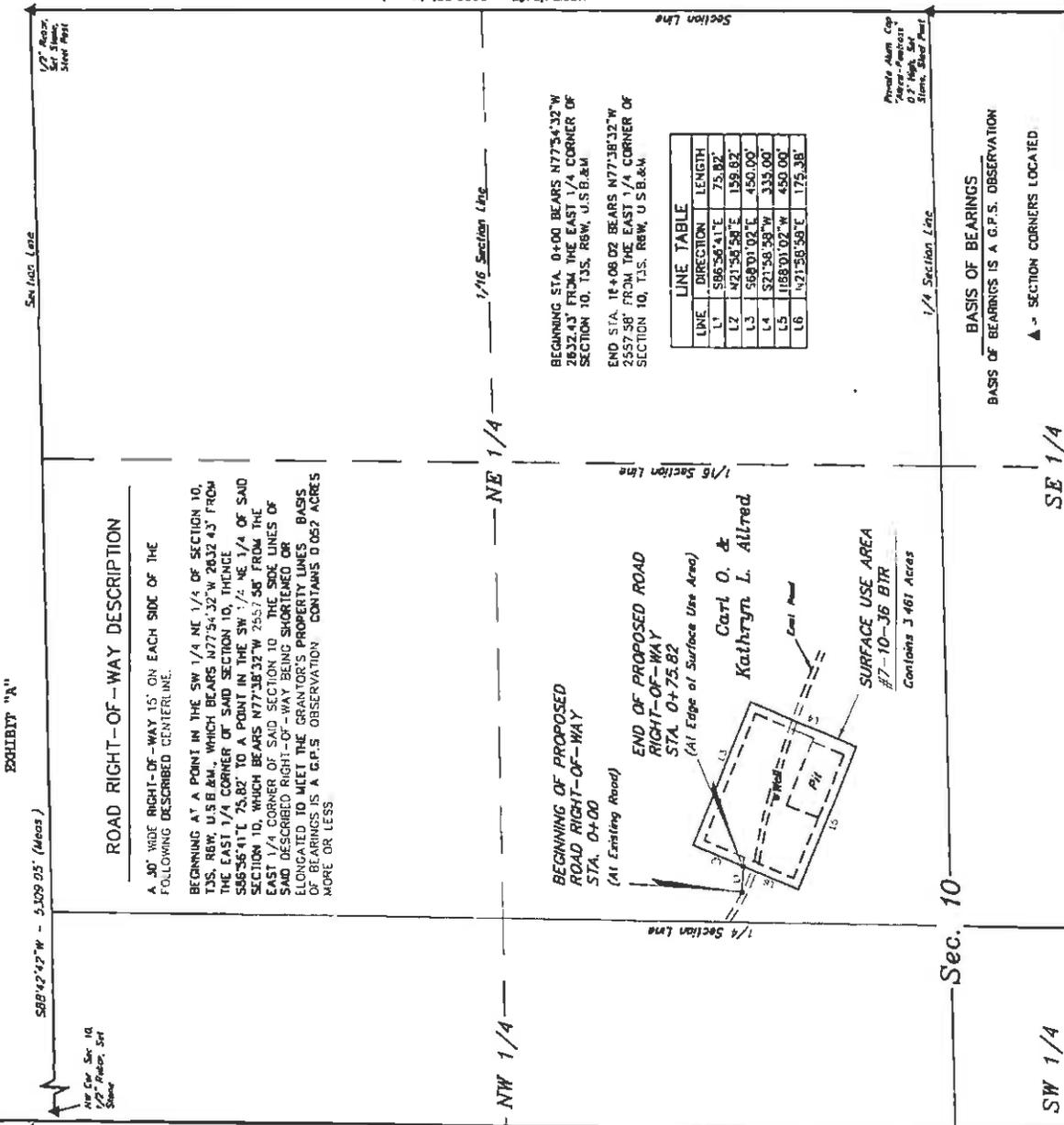
**EXHIBIT "A"**

588'42"42" W - 5,509.05' (Meas.)

Per Cap. Sec. 14  
State, Meas. Set

**ROAD RIGHT-OF-WAY DESCRIPTION**

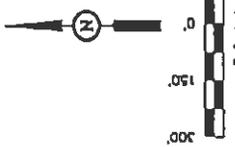
A .50' WIDE RIGHT-OF-WAY IS ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.  
BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 10, T3S, R6W, U.S.B.&M., WHICH BEARS N77°54'32"W 283.243' FROM THE EAST 1/4 CORNER OF SAID SECTION 10, THENCE S85°35'41"E 75.82' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 10, WHICH BEARS N77°38'32"W 255.758' FROM THE EAST 1/4 CORNER OF SAID SECTION 10. 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 0.057 ACRES MORE OR LESS.



**BILL BARRETT CORPORATION**

**LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS**

(For #7-10-36 BTR)  
LOCATED IN SECTION 10, T3S, R6W, U.S.B.&M., DUCHESNE COUNTY, UTAH



**RIGHT-OF-WAY LENGTHS**

PROPERTY OWNER	FEET	ACRES	MOOS
Carl O. & Kathryn L. Allred	101.44	0.070	6.15

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 10, T3S, R6W, U.S.B.&M., WHICH BEARS N77°38'32"W 255.758' FROM THE EAST 1/4 CORNER OF SAID SECTION 10, THENCE N21°58'58"E 159.62', THENCE S68°01'02"E 450.00', THENCE S21°58'58"W 335.00', THENCE N88°01'02"W 450.00', THENCE N21°58'58"E 175.38' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.461 ACRES MORE OR LESS.



CERTIFICATE  
THIS IS TO CERTIFY THAT THE ABOVE SET LINES WERE RUN FROM THE SURFACE OF THE EARTH AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REVISED: 08-19-10 CH  
REVISED: 07-20-10 CH  
UNITAX ENGINEERING & LAND SURVEYING  
65 SOUTH - 200 EAST - (435) 789-1017  
VERNAL UTAH - 84070

SCALE	1" = 300'	DATE	01-15-08
PARTY	DR A.W. P.M.	REFERENCES	G.L.O. PLAT
YEAR	COLD	FILE	48710

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

▲ - SECTION CORNERS LOCATED

Sec. 10

SW 1/4

588'42"42" W - 5,509.05' (Meas.)

1/16 Section Line

NE 1/4

1/16 Section Line

BEGINNING STA. 0+00 BEARS N77°38'32"W 283.243' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.  
END STA. 16+08 BEARS N77°38'32"W 255.758' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	S85°35'41"E	75.82'
L2	N77°54'32"W	283.243'
L3	S68°01'02"E	450.00'
L4	S21°58'58"W	335.00'
L5	N88°01'02"W	450.00'
L6	N21°58'58"E	175.38'

1/4 Section Line  
Per Cap. Sec. 14  
State, Meas. Set

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

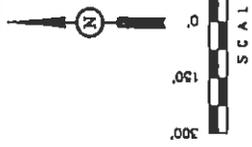
▲ - SECTION CORNERS LOCATED

SE 1/4

EXHIBIT "B"

HILL BARRETT CORPORATION  
**PIPELINE RIGHT-OF-WAY ON  
 FEE LANDS**

(For #7-10-36 BTR)  
 LOCATED IN  
 SECTION 10, T3S, R6W, U.S.B.&M.,  
 DUCHESNE COUNTY, UTAH



**RIGHT-OF-WAY LENGTHS**

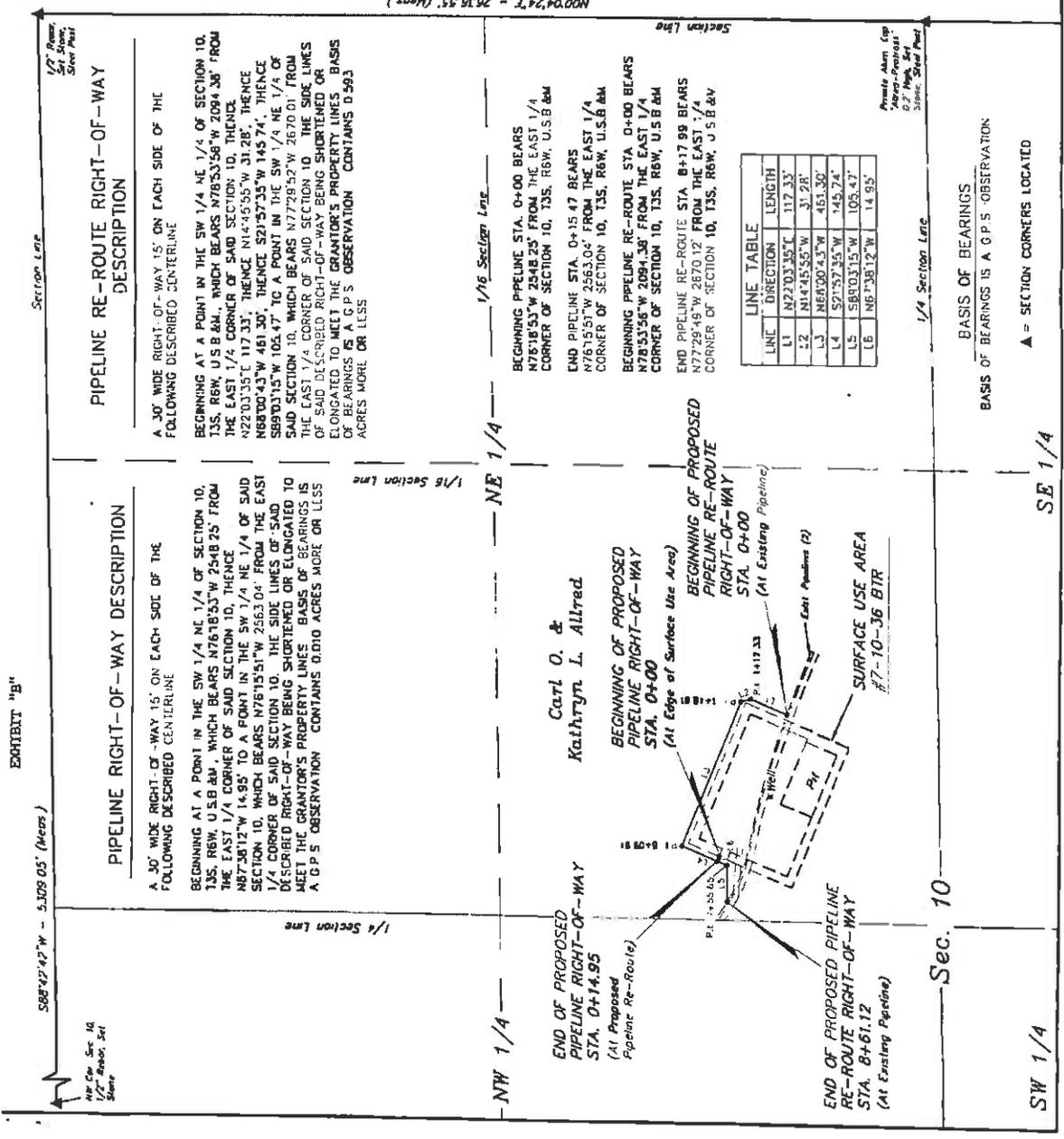
PROPERTY OWNER	FEET	ACRES	RODS
Carl O. & Kathryn L. Allred (Easements)	14.95	0.010	0.97
Carl O. & Kathryn L. Allred (Pipeline Re-Route)	861.12	0.593	52.19

**CERTIFICATE**  
 THIS IS TO CERTIFY THAT THE AMOUNTS STATED ABOVE WERE OBTAINED FROM  
 FIELD NOTES OF AGRUAL SURVEYING AND ARE CORRECT AND TRUE TO THE  
 BEST OF MY KNOWLEDGE AND BELIEF.  
 [Signature]  
 REGISTERED PROFESSIONAL SURVEYOR  
 STATE OF UTAH  
 NO. 10113

REVISED: 08-19-10 C.H.  
 REVISED: 07-20-10 C.H.

UNTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH - 200 EAST - (435) 789-1017  
 VERNAL, UTAH - 84078

SCALE	DATE
1" = 300'	01-15-08
DR A W P M	REFERENCES
WASHER	G.L.D. PLAT
COLD	FEET
	4 8 7 1 1



**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 NE 1/4 OF SECTION 10,  
 T3S, R6W, U.S.B.&M., WHICH BEARS N76°18'53"W 2548.25' FROM  
 THE EAST 1/4 CORNER OF SAID SECTION 10, THENCE  
 N87°38'12"W 14.95' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID  
 SECTION 10, WHICH BEARS N76°15'51"W 2563.04' FROM THE EAST  
 1/4 CORNER OF SAID SECTION 10. 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 0.010 ACRES MORE OR LESS

**PIPELINE RE-ROUTE 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 NE 1/4 OF SECTION 10,  
 T3S, R6W, U.S.B.&M., WHICH BEARS N78°53'56"W 2094.38' FROM  
 THE EAST 1/4 CORNER OF SAID SECTION 10, THENCE  
 N22°03'35"E 17.33', THENCE N14°45'55"W 31.28', THENCE  
 N87°03'43"W 461.30', THENCE S21°52'35"W 145.74', THENCE  
 S89°03'15"W 105.47' TO A POINT IN THE SW 1/4 NE 1/4 OF  
 SAID SECTION 10, WHICH BEARS N77°28'42"W 2670.01' FROM  
 THE EAST CORNER OF SAID SECTION 10. 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 0.593  
 ACRES MORE OR LESS

**PIPELINE RE-ROUTE RIGHT-OF-WAY DESCRIPTION**  
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE  
 FOLLOWING DESCRIBED CENTERLINE  
 BEGINNING PIPELINE STA. 0+00 BEARS  
 N76°18'53"W 2548.25' FROM THE EAST 1/4  
 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.  
 END PIPELINE STA. 0+15.47 BEARS  
 N76°15'51"W 2563.04' FROM THE EAST 1/4  
 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.  
 BEGINNING PIPELINE RE-ROUTE STA. 0+00 BEARS  
 N78°53'56"W 2094.38' FROM THE EAST 1/4  
 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.  
 END PIPELINE RE-ROUTE STA. 8+17.99 BEARS  
 N77°29'48"W 2670.12' FROM THE EAST 1/4  
 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

**END OF PROPOSED PIPELINE RIGHT-OF-WAY STA. 0+14.95**  
 (At Proposed Pipeline Re-Route)

**BEGINNING OF PROPOSED PIPELINE RIGHT-OF-WAY STA. 0+00**  
 (At Edge of Surface Use Area)

**BEGINNING OF PROPOSED PIPELINE RE-ROUTE STA. 0+00**  
 (At Existing Pipeline)

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+61.12**  
 (At Existing Pipeline)

**END OF PROPOSED PIPELINE RIGHT-OF-WAY STA. 0+14.95**  
 (At Proposed Pipeline Re-Route)

**BEGINNING OF PROPOSED PIPELINE RE-ROUTE STA. 0+00**  
 (At Existing Pipeline)

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+61.12**  
 (At Existing Pipeline)

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+61.12**  
 (At Existing Pipeline)

**BEGINNING OF PROPOSED PIPELINE RE-ROUTE STA. 0+00**  
 (At Existing Pipeline)

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+17.99 BEARS**  
 N77°29'48"W 2670.12' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+17.99 BEARS**  
 N77°29'48"W 2670.12' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+17.99 BEARS**  
 N77°29'48"W 2670.12' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+17.99 BEARS**  
 N77°29'48"W 2670.12' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

**END OF PROPOSED PIPELINE RE-ROUTE STA. 8+17.99 BEARS**  
 N77°29'48"W 2670.12' FROM THE EAST 1/4 CORNER OF SECTION 10, T3S, R6W, U.S.B.&M.

## SURFACE USE PLAN

BILL BARRETT CORPORATION

### 7-10-36 BTR Well Pad

SWNE, 2135' FNL & 2296' FEL, Section 10, T3S, R6W, USB&M  
Duchesne County, Utah

---

**Surface ownership is Carl O. & Kathryn L. Allred (Private.) The onsite for this pad was conducted on October 7, 2010.**

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. The proposed well site is located approximately 11.9 miles northwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing Bill Barrett Corporation/ El Paso maintained road would be utilized for access to the proposed well with no improvements anticipated.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 97 feet of existing access road re-route is proposed on the west side of the pad area (see Topographic Map B).
- b. The proposed access road re-route crosses entirely private surface (0.070 acres). The road would be constructed to a 30-foot ROW width with an 18-foot travel surface.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.
- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.

- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities would conform to the appropriate standard, no higher than necessary, to accommodate their intended function and as per the approved surface damage agreement.
- m. The operator would be responsible for all maintenance needs of the new access road.

3. Location of Existing Wells (see One-Mile Radius Map):

- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
  - i. water wells none
  - ii. injection wells none
  - iii. disposal wells none
  - iv. drilling wells none
  - v. temp shut-in wells three
  - vi. producing wells five
  - vii. abandoned wells one

4. Location of Production Facilities

- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 gal glycol tank, (2) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit with natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached Facility Diagram.
- b. Most wells would be fitted with a pump jack to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (75 horsepower or less), natural gas-fired internal combustion engines.

- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 818 feet of existing El Paso surface pipeline corridor would be re-routed by El Paso around the north side of the proposed pad.
- g. Approximately 41 feet of new corridor containing a single steel or polyethylene pipeline up to 10 inch in diameter would connect to the existing pipeline corridor (see Topographic Map D).
- h. The new segment of gas pipeline would be surface laid or buried, depending on landowner preference, within the 30 foot approved corridor across entirely private surface.
- i. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- j. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- k. All permanent above-ground structures would be painted a flat, non-reflective color, such as Yuma Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- l. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.

- m. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

- a. No water supply pipelines would be laid for this well.
- b. Water for the drilling and completion would be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W, USB&M.
- c. No new water well is proposed with this application.
- d. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- e. Water use would vary in accordance with the formations to be drilled but would be up to approximately 4.1 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from federal or Ute Tribal lands.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve pit would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.

- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting.
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:
  - 1. RNI Industries, Inc. – Pleasant Valley Disposal Pits  
Sec. 25, 26, 35 & 36, T4S-R3W
  - 2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
  - 3. RN Industries, Inc. – Bluebell Disposal Ponds  
Sec. 2, 4 & 9, T2S-R2W
  - 4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a

week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.

- k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- l. A flare pit may be constructed a minimum of 110 feet from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad has been staked at its maximum size of 400 feet x 285 feet with an inboard reserve pit size of 100 feet x 200 feet x 8 feet deep.
- d. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- e. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- f. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- g. A diversion ditch would be constructed as indicated on Figure 1 to prevent surface waters from entering the well site area.
- h. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- i. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- b. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act.
- c. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location.

- d. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with a seed mix as prescribed by the landowner.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the landowner prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership – Carl O. & Kathryn L. Allred – 2577 East Ranch Road, Eagle Mountain, UT 84005; 801-420-9999
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report NO. 10-142, dated September 7, 2010. “No historic properties affected”
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
  - No dogs or firearms within the Project Area.
  - No littering within the Project Area.

- Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
- Campfires or uncontained fires of any kind would be prohibited.
- Portable generators used in the Project Area would have spark arrestors.

OPERATOR CERTIFICATION

Certification:

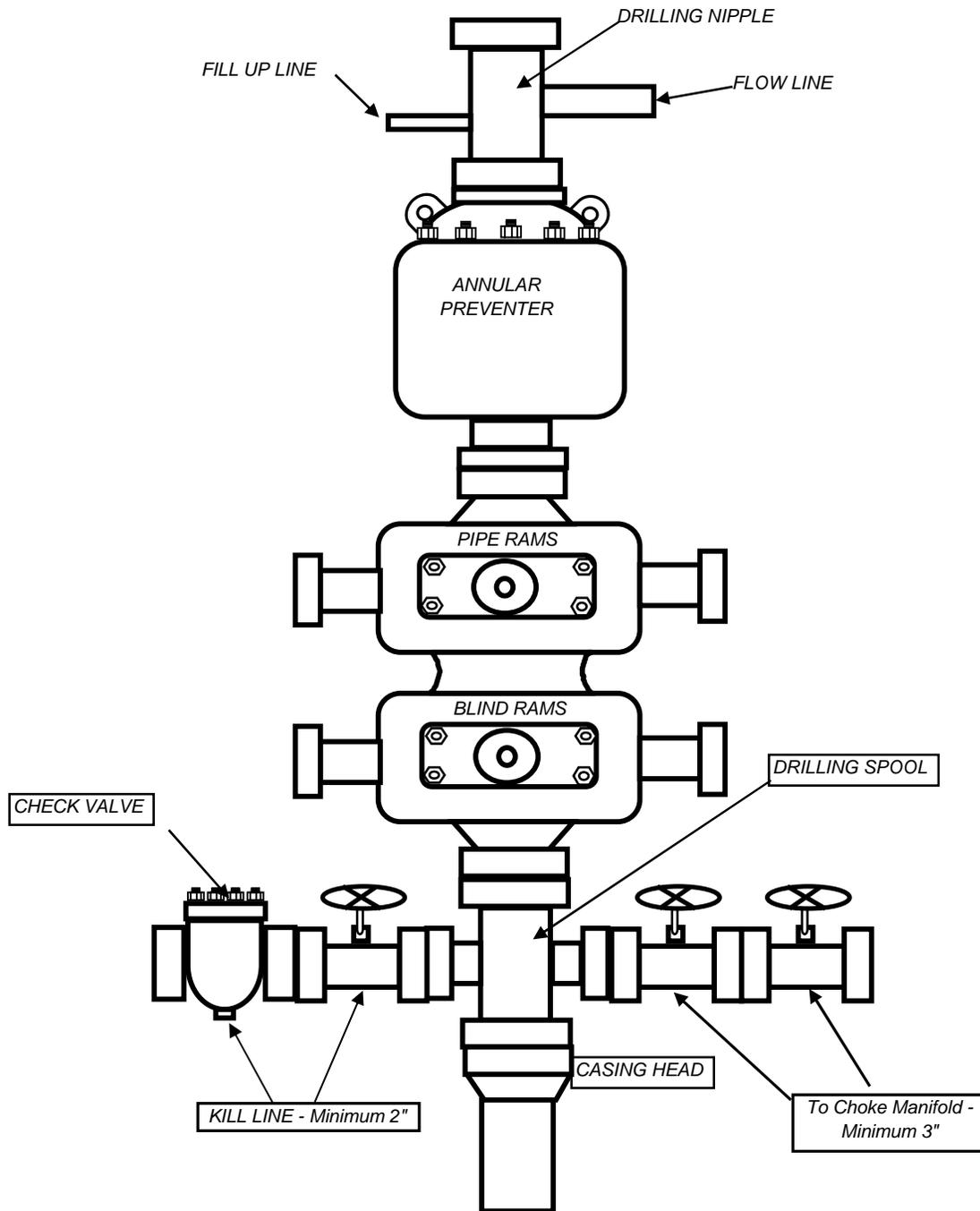
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this 14<sup>th</sup> day of October 2010  
Name: Tracey Fallang  
Position Title: Regulatory Manager  
Address: 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202  
Telephone: 303-312-8134  
E-mail: tfallang@billbarrettcorp.com  
Field Representative Kary Eldredge / Bill Barrett Corporation  
Address: 1820 W. Highway 40, Roosevelt, UT 84066  
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)  
E-mail: keldredge@billbarrettcorp.com

Tracey Fallang  
Tracey Fallang, Regulatory Manager

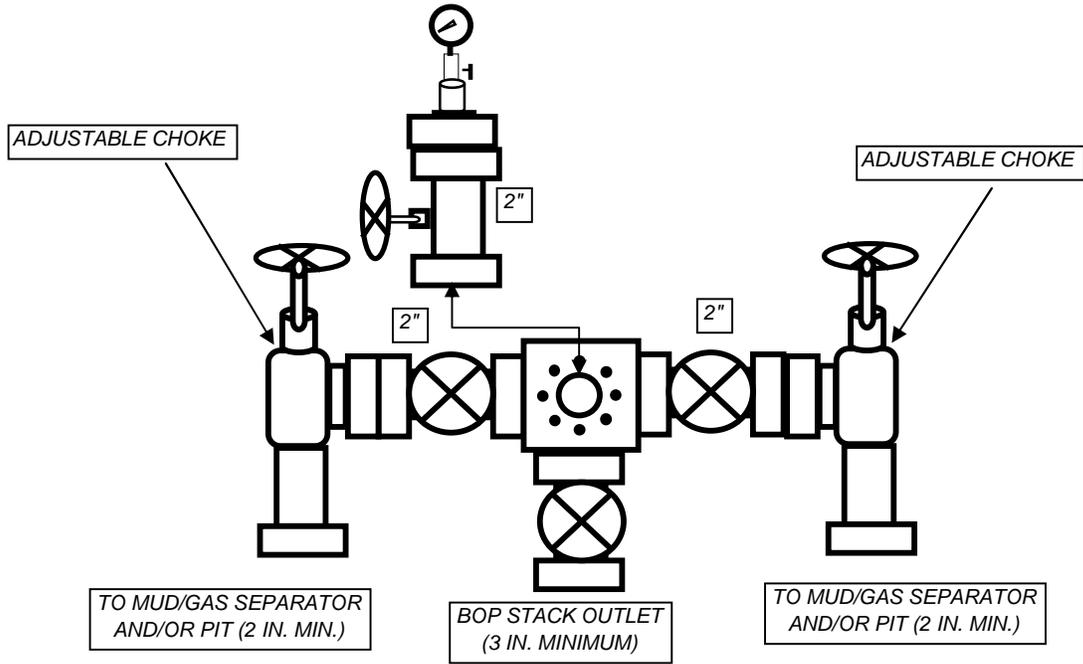
# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



# BILL BARRETT CORPORATION

## TYPICAL 3,000 p.s.i. CHOKE MANIFOLD





October 14, 2010

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: **Exception Location - #7-10-36 BTR – Blacktail Ridge Area**  
Surface Location: 2135' FNL, 2296' FEL, SWNE, Section 10-T3S-R6W  
Bottom Location: 2135' FNL, 2296' FEL, SWNE, Section 10-T3S-R6W  
Duchesne County, Utah

Dear Ms. Mason,

Bill Barrett Corporation (“BBC”) hereby submits an exception location letter in accordance with Oil & Gas Conservation Rules R649-3-3, requesting an exception well location, supported by the following information:

- The location is within our Blacktail Ridge Area.
- The exception location is due to topography requirements and to minimize surface disturbance.
- BBC certifies that it is the working interest owner along with Ute Energy, LLC (who also consent to this exception location request), and together we own 100% of the working interest within 460 feet of the proposed well location.
- Our rights are owned under an Exploration and Development Agreement with the Ute Indian Tribe and Ute Distribution Corporation which provides for the drilling of exploratory wells. This agreement provides that we consult with these owners regarding the drilling of this well.

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

'APIWellNo:43013504370000'

- BBC has previously earned the 640 acre Tribal lease covering all Section 10, Township 3 South, Range 6 West by completing the 15-10-36 BTR well location on February 26, 2010. Therefore, we will be drilling the 7-10-36 BTR well location utilizing the Tribal earned BIA Lease # 14-20-H62-6280.

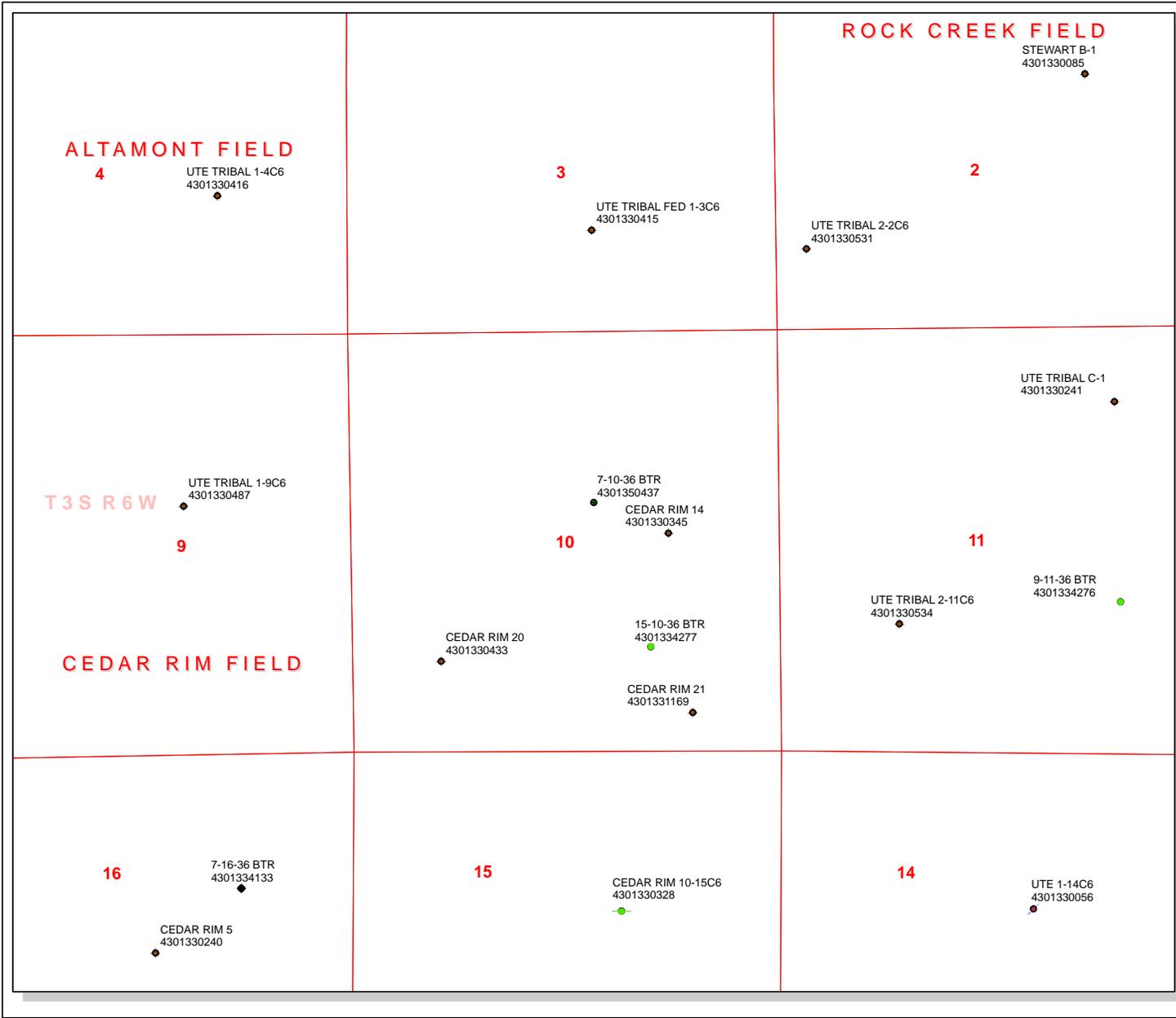
Based on the information provided, BBC requests the Division grant this exception to the locating and siting requirements of R649-3-2. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

*David Watts*  
*by EW*

David Watts  
Landman

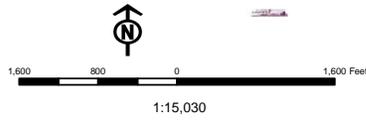
[dwatts@billbarrettcorp.com](mailto:dwatts@billbarrettcorp.com)



**API Number: 4301350437**  
**Well Name: 7-10-36 BTR**  
**Township 03.0 S Range 06.0 W Section 10**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

- |   |   |
|---|---|
| <p><b>Units</b></p> <ul style="list-style-type: none"> <li>ACTIVE</li> <li>EXPLORATORY</li> <li>GAS STORAGE</li> <li>NF PP OIL</li> <li>NF SECONDARY</li> <li>PI OIL</li> <li>PP GAS</li> <li>PP GEOTHERML</li> <li>PP OIL</li> <li>SECONDARY</li> <li>TERMINATED</li> </ul> <p><b>Fields</b></p> <ul style="list-style-type: none"> <li>Sections</li> <li>Township</li> <li>Bottom Hole Location - AGRC</li> </ul> | <p><b>Wells Query</b></p> <ul style="list-style-type: none"> <li>&lt;call other values&gt;</li> <li>APD - Approved Permit</li> <li>DRL - Spudded (Drilling Commenced)</li> <li>GIW - Gas Injection</li> <li>GS - Gas Storage</li> <li>LA - Location Abandoned</li> <li>LOC - New Location</li> <li>OPS - Operation Suspended</li> <li>PA - Plugged Abandoned</li> <li>PGW - Producing Gas Well</li> <li>POW - Producing Oil Well</li> <li>RET - Returned APD</li> <li>SGW - Shut-in Gas Well</li> <li>SOW - Shut-in Oil Well</li> <li>TA - Temp. Abandoned</li> <li>TW - Test Well</li> <li>WDW - Water Disposal</li> <li>WW - Water Injection Well</li> <li>WSW - Water Supply Well</li> </ul> |
|---|---|



# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

<b>Operator</b>	BILL BARRETT CORP				
<b>Well Name</b>	7-10-36 BTR				
<b>API Number</b>	43013504370000	<b>APD No</b>	3076	<b>Field/Unit</b>	CEDAR RIM
<b>Location: 1/4,1/4</b>	SWNE	<b>Sec</b>	10	<b>Tw</b>	3.0S
		<b>Rng</b>	6.0W	2135	FNL 2296 FEL
<b>GPS Coord (UTM)</b>	538507	4453796	<b>Surface Owner</b>	Carl O & Kathryn L. Allred	

**Participants**

See other comments, not enough room for participant list in this space. According to BLM representative James Hereford the land owner Carl Allred was invited. Mr. Allred did not attend.

**Regional/Local Setting & Topography**

Location lies in the bottom of a narrow canyon which drains south east to starvation Reservoir. The location is approximately 4 miles from the reservoir. The location hugs the south side of the canyon and is crossed by two very small drainages and one larger drainage which must be rerouted to the west side of the location. These small drainages flow from the south side canyon slopes into the primary canyon drainage. Exposed rock is evident on the south side of location while the north side of loction appears to contain fairly deep soils. An existing dirt road crosses through the middle of the proposed location. Duchesne, Ut is approximately a 12 mile drive to the south east.

**Surface Use Plan**

**Current Surface Use**  
Deer Winter Range  
Wildlfe Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.014	<b>Width</b> 285 <b>Length</b> 400	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

Fauna: Deer, elk, rabbits and other small mammals, birds, coyotes.

Fauna: Sage, P-J, prickly pears, grasses.

**Soil Type and Characteristics**

Sandy soil

**Erosion Issues** Y

Drainage must be diverted around west side of location

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required? Y**

Drainage must be diverted around west side of location

**Berm Required? Y**

**Erosion Sedimentation Control Required? N**

**Paleo Survey Run? Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? N**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

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

**Characteristics / Requirements**

Reserve pit is 100' X 200' X 8' deep. Pit capacity with 2' freeboard 16,830 bbls. Reserve pit location appears stable and properly located. According to Kary Eldredge a 20 mil liner will be used.

Will required pit underlayment

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

**Other Observations / Comments**

Presite 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

10/28/2010

### Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
3076	43013504370000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Carl O & Kathryn L. Allred	
<b>Well Name</b>	7-10-36 BTR		<b>Unit</b>		
<b>Field</b>	CEDAR RIM		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNE 10 3S 6W U 2135 FNL 2296 FEL GPS Coord (UTM) 538511E 4453796N				

### 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

10/28/2010  
Date / Time

### Surface Statement of Basis

Presite was well attended, but the land owner Carl Allred was not present although BLM personel said he had been invited and stated that he planned to attend. Karl Wright of the BLM stated concern that the drainage ditch on the south west corner of location be rerouted around the west side of loction. Karl Wright requested that the surveyor Danny Rasmussen resubmit the plat indicating the drainage diversion. Mr Wright also discussed the need for proper paint color on tanks and equipment and requested "Juniper Green".

Currently a road crosses this proposed location. The road will continue to cross through the location, but the pipeline will be routed to the north side of location. The need to berm tanks away from the road was also discussed. Kary Eldredge of Bill Barrett agreed to the drainage reroute, the tank color and to berm the tanks away from the road. .

Richard Powell  
Onsite Evaluator

10/7/2010  
Date / Time

### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner 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	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

---

---

**APD RECEIVED:** 10/14/2010

**API NO. ASSIGNED:** 43013504370000

**WELL NAME:** 7-10-36 BTR

**OPERATOR:** BILL BARRETT CORP (N2165)

**PHONE NUMBER:** 303 293-9100

**CONTACT:** Elaine Winick

**PROPOSED LOCATION:** SWNE 10 030S 060W

**Permit Tech Review:**

**SURFACE:** 2135 FNL 2296 FEL

**Engineering Review:**

**BOTTOM:** 2135 FNL 2296 FEL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.23561

**LONGITUDE:** -110.54729

**UTM SURF EASTINGS:** 538511.00

**NORTHINGS:** 4453796.00

**FIELD NAME:** CEDAR RIM

**LEASE TYPE:** 2 - Indian

**LEASE NUMBER:** 14-20-H62-6280

**PROPOSED PRODUCING FORMATION(S):** WASATCH

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

---

**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: INDIAN - LPM 8874725
- 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

**Commingle Approved**

**LOCATION AND SITING:**

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

**Comments:** Presite Completed

**Stipulations:** 4 - Federal Approval - dmason  
5 - Statement of Basis - bhll



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:** 7-10-36 BTR  
**API Well Number:** 43013504370000  
**Lease Number:** 14-20-H62-6280  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 10/28/2010

**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 Cause 139-84. The expected producing formation or pool is the 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.

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 in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

RECEIVED

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 14 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H626280
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
Contact: ELAINE WINICK E-Mail: ewinick@billbarrettcorp.com		8. Lease Name and Well No. 7-10-36 BTR
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8168	9. API Well No. 43-013-60437
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNE 2135FNL 2296FEL At proposed prod. zone SWNE 2135FNL 2296FEL		10. Field and Pool, or Exploratory CEDAR RIM
14. Distance in miles and direction from nearest town or post office* 11.9 MILES NW OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 10 T3S R6W Mer UBM SME: FEE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 2135	16. No. of Acres in Lease 640.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 990	19. Proposed Depth 11300 MD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5998 GL	22. Approximate date work will start 07/15/2011	17. Spacing Unit dedicated to this well
23. Estimated duration 75 DAYS (D&C)		20. BLM/BIA Bond No. on file LPM8874725

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) ELAINE WINICK Ph: 303-312-8168	Date 10/14/2010
Title SENIOR PERMIT ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	MAR 15 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify 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.

CONDITIONS OF APPROVAL 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.

Additional Operator Remarks (see next page)

NOTICE OF APPROVAL

Electronic Submission #94899 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by ROBIN HANSEN on 10/20/2010 (11RRH0250)

RECEIVED

MAR 29 2011

DIV. OF OIL, GAS & MINING

UDOGM

\*\* BLM REVISED \*\*

10SS0445AE

NOS 9/20/2010

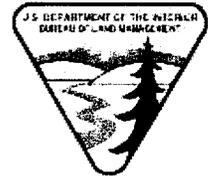


UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

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: 7-10-36 BTR  
API No: 43-013-50437

Location: SWNE, Sec. 10, T3S, R6W  
Lease No: 14-20-H62-6280  
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: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
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)**

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM 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, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the BLM shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease until resources can be identified and protected properly.
- Production facilities will be painted Juniper Green to blend in with the surrounding habitat, unless otherwise stated from the private land owner agreement.
- Site reclamation will be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM AO for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.
- Operator has agreed to control noxious weeds along access roads, pipeline routes, and the pad area itself. If chemicals are used to treat weeds, an updated Pesticide Use Proposal (PUP) must be submitted and approved by the BLM botanist / AO.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- All 5M BOPE shall meet the requirements of Onshore Order #2, and shall include one (1) remote kill line.
- 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.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- 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 ( $\frac{1}{4}$  $\frac{1}{4}$ , 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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6280
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-10-36 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013504370000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2135 FNL 2296 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 10 Township: 03.0S Range: 06.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/15/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> 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 submitted to request changes to the original APD drilling casing and cementing plans. Changes include the most recent revisions of the casing and cement program. A revised drilling plan with details of the casing and cement program are attached. Estimated drilling to commence 5/15/2011. Please contact Brady Riley at 303-312-8115 with questions.

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

Date: 04/05/2011

By: *Dark K. Quist*

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/30/2011	

**DRILLING PLAN**

BILL BARRETT CORPORATION

# 7-10-36 BTR

SHL: SW/NE 2135' FNL &amp; 2296' FEL, Section 10-T3S-R6W

Surface Owner: Carl O &amp; Kathryn L Allred

Duchesne County, Utah

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

<u>Formation</u>	<u>Depth – MD</u>
Green River	4,412'
Douglas Creek	7,392'
Black Shale	7,942'
Castle Peak	8,152'
Wasatch	9,012' *
TD	11,300'

\*PROSPECTIVE PAY

The Wasatch and the North Horn are primary objectives for oil/gas.

**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 1/2"	surface	3,500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	surface	11,300'	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****A) Planned Program**

16" Conductor Casing	Grout cement
9 5/8" Surface Casing	Lead with approximately 540 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. Tail with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx). Calculated hole volume with 75% excess.
5 1/2" Production Casing	Lead with approximately 820 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). Tail with approximately 1040 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Planned TOC-2,500'

Bill Barrett Corporation  
 Drilling Program  
 # 7-10-36 BTR  
 Duchesne County, Utah

## 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 3,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3,000' – TD	8.6 – 9.2	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. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 3,000'	No pressure control required
3,000' – 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 7,500 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.	

## 8. Auxiliary Equipment

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

## 10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5406 psi\* and maximum anticipated surface pressure equals approximately 2920 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Bill Barrett Corporation  
Drilling Program  
# 7-10-36 BTR  
Duchesne County, Utah

\*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: Approximately May 1st, 2011  
Spud: Approximately May 15th, 2011  
Duration: 30 days drilling time  
45 days completion time



# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

**Well Name:** 7-10-36 BTR

### Surface Hole Data:

Total Depth:	3,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	1644.2	ft <sup>3</sup>
Lead Fill:	3,000'	
Tail Volume:	274.0	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	540
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	3,000'	

# SK's Tail:	210
--------------	-----

### Production Hole Data:

Total Depth:	11,300'
Top of Cement:	2,500'
Top of Tail:	7,442'
OD of Hole:	8.750"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1872.5	ft <sup>3</sup>
Lead Fill:	4,942'	
Tail Volume:	1461.9	ft <sup>3</sup>
Tail Fill:	3,858'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	820
# SK's Tail:	1040

<b>7-10-36 BTR Proposed Cementing Program</b>
---

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (3000' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /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: 3,000'
	Volume: 292.83 bbl
	<b>Proposed Sacks: 540 sks</b>
<b>Tail Cement - (TD - 3000')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 3,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (7442' - 2500')</b>	
Tuned Light <sup>TM</sup> System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 2,500'
	Calculated Fill: 4,942'
	Volume: 333.48 bbl
	<b>Proposed Sacks: 820 sks</b>
<b>Tail Cement - (11300' - 7442')</b>	
Econocem <sup>TM</sup> System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 7,442'
	Calculated Fill: 3,858'
	Volume: 260.36 bbl
	<b>Proposed Sacks: 1040 sks</b>

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling  
 Submitted By Brady Riley Phone Number 303-312-8115  
 Well Name/Number 7-10-36 BTR  
 Qtr/Qtr SWNE Section 10 Township 3S Range 6W  
 Lease Serial Number 1420H626280  
 API Number 4301350437

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

Date/Time 05/10/2011 08:00 AM  PM

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

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

**RECEIVED**

**MAY 09 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 SPUDDING CONDUCTED BY TRIPLE A DRILLING.





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) 312-8115

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334132	16-26-36 BTR		SESE	26	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A			5/12/2011				
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 1:30 pm. <i>orig sent 5/10/11</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350467	16-12-46 BTR		SESE	12	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18051	5/14/2011			5/26/11	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 8:30 am. <i>GR-WS BHL=SESE</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350437	7-10-36 BTR		SWNE	10	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18052	5/9/2011			5/26/11	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 1:00 pm. <i>WSTC = GR-WS</i>							

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)

Brady Riley

Name (Please Print)

Brady Riley

Signature

Permit Analyst

5/17/2011

Title

Date

RECEIVED  
MAY 18 2011

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Patterson 506  
Submitted By Lawrence Lorenzen Phone Number 435-828-6095  
Well Name/Number #7-10-36 BTR  
Qtr/Qtr SW/NE Section 10 Township 3N Range 6W  
Lease Serial Number 1420H626280  
API Number ~~049~~<sup>043</sup>-013-50437

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

JUN <sup>09</sup> 23 2011

DIV. OF OIL, GAS & MINING

Date/Time 06/10/2011 4:00 AM  PM

BOPE

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

Date/Time 06/11/2011 06:00 AM  PM

Remarks \_\_\_\_\_  
\_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6280
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-10-36 BTR	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013504370000	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2135 FNL 2296 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b> <input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b> <input type="checkbox"/> <b>CHANGE WELL STATUS</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>OPERATOR CHANGE</b> <input type="checkbox"/> <b>PRODUCTION START OR RESUME</b> <input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b> <input type="checkbox"/> <b>TUBING REPAIR</b> <input type="checkbox"/> <b>WATER SHUTOFF</b> <input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	<input type="checkbox"/> <b>ALTER CASING</b> <input type="checkbox"/> <b>CHANGE TUBING</b> <input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b> <input type="checkbox"/> <b>FRACTURE TREAT</b> <input type="checkbox"/> <b>PLUG AND ABANDON</b> <input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b> <input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b> <input type="checkbox"/> <b>VENT OR FLARE</b> <input type="checkbox"/> <b>SI TA STATUS EXTENSION</b> <input type="checkbox"/> <b>OTHER</b>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:		<input type="checkbox"/> <b>CASING REPAIR</b> <input type="checkbox"/> <b>CHANGE WELL NAME</b> <input type="checkbox"/> <b>CONVERT WELL TYPE</b> <input type="checkbox"/> <b>NEW CONSTRUCTION</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b> <input type="checkbox"/> <b>TEMPORARY ABANDON</b> <input type="checkbox"/> <b>WATER DISPOSAL</b> <input type="checkbox"/> <b>APD EXTENSION</b>
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:		<input type="checkbox"/> <b>OTHER:</b> <input type="text"/>
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 6/30/2011		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
June 2011 Monthly Drilling Activity Report attached.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/1/2011	

**#7-10-36 BTR 6/2/2011 10:00 - 6/3/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary RD rig and prep for move. - 8						

**#7-10-36 BTR 6/3/2011 06:00 - 6/4/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary						

**#7-10-36 BTR 6/4/2011 06:00 - 6/5/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary						

**#7-10-36 BTR 6/5/2011 06:00 - 6/6/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Nipple up conductor - 2, Pickup dir tools and orient - 2.5, Drlg 96'-120' - 0.5, Rig service - 0.5, Drlg 120-1215 - 18.5						

**#7-10-36 BTR 6/6/2011 06:00 - 6/7/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Drlg 1215-1496', rotating and sliding as needed to reduce angle. - 5.5, Rig service. - 0.5, Drlg 1496-1959', rotating and sliding as needed to reduce angle. P-rate down to 20-25'hr with 30k on bit 45 rpm & 670gpm. - 12.5, Mix and pump dry job. - 0.5, TOH, laydown bit #1, pickup bit #2, TIH to resume drilling. - 5, - 0						

**#7-10-36 BTR 6/7/2011 06:00 - 6/8/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Drlg, 1933-1940'. - 0.5, Rig Service - 0.5, Drlg 1940-2113' 193' in 7 hrs, 24.7 fph - 7, Mix and pump dryjob, TOH laydown Bit #2, Pickup Bit #3, Found loose pin in 3 point reamer, replacr reamer and TIH - 6.5, Resume drlg 2113-2265', 152' in 9.5 hrs, 1.5 hrs to slide 14'. - 9.5						

**#7-10-36 BTR 6/8/2011 06:00 - 6/9/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Drlg 2265-2511, 246' in 11.5 hrs, 30 fph. Sliding @ 8' hr. - 11.5, Rig service - 0.5, Drlg 2611-2614, sliding @ 6' hr - 3, Mix & pump dryjob. TOH, lay down bit and motor, Pickup & rerun bit #2, pickup Sperry 8" 5/6 lobe 5.2 stage .24 rpg motor and TIH. - 5.5, Resume drilling, drill 2614-2680. Instant p-rate 45-50' hr, sliding @ 20-30' hr, Last survey 1.25* @ 207 azi. - 3.5						

**#7-10-36 BTR 6/9/2011 06:00 - 6/10/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Drlg 2680-3120', 440' in 10.5 hrs, 42 fph, sliding as needed. - 10.5, Rig service - 0.5, Drlg 3120-3262', 142' in 3 hrs. - 3, Change swab and liner in #1 pump - 0.5, Drg 3262-3510', 248' in 9.5 hrs 26 fph. last survey 1.02*, 178.78 azi. - 9.5						

**#7-10-36 BTR 6/10/2011 06:00 - 6/11/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Mix and pump dryjob, TOH, rig up csg crew, laydown 8" equipment. - 4, Run 83 jts 9 5/8" 36# J55 csg with float equipment, land @ 3505', Rig up HES and cmt with 600 sks 11# lead and 250 sks 14.8# tail. displace with 268 bbls 8.8# drilling mud. app 120 bbls cmt to surface. Bump plug to 1200#, check float. Cmt fell 100', do 100sk top job. - 10.5, Wait on cmt, prep to N/U etc - 4, Cut casing and weld on csg head. Pressure test weld to 1000#. - 3, N/U BOP - 1.5						

**#7-10-36 BTR 6/11/2011 06:00 - 6/12/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion
Time Log Summary Finish N/U BOP - 2.5, Test BOP as follows; pipe rams, blind rams, kill line valves, HCR valves, floor safety valves, choke manifold to 5000#. Test annular to 2500# and csg to 1500#. Test upper and lower Kelly valves to 5000# - 3.5, Slip & cut drilling line - 1, Set wear bushing, oeient dir tool, TIH - 2.5, Drill out shoe jt, drill to 3529' - 1.5, Do fFIT to 10.5# EMW (365#), held good. - 0.5, Drlg 3529-4227', 698' in 12.5 hrs 55.8 fph. Sliding as needed. Max dev 1.62*, Max DLS 2.19 - 12.5						

**#7-10-36 BTR 6/12/2011 06:00 - 6/13/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drlg 4227-4386', Rotated 159' in 1.5 hrs 106 fph. - 1.5, Rig service Function pipe rams, 6 sec to close - 0.5, Drlg 4386-4640, 254', rotated 236' in 5.5 hrs 43 FPH. slid 18' in 1 hr, 18 fph. Max dev .96\*, Max DLS 1.07 - 6.5, Rig repair. replace washpipe packing - 1.5, Drlg 4640-5306', 666', rotated 597' in 10.2 hrs 58.5 fph, slid 69' in 3.8 hrs 18 fph, Max dev 1.34\* Max DLS 1.10 - 14

**#7-10-36 BTR 6/13/2011 06:00 - 6/14/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drlg 5306-5687', 381', Rotated 328' in 6.5 hrs 50.5 fph, slid 53' in 1.5 hrs 35 fph. Max dev .8\*, Max DLS .95 - 8, Rig Service Function test pipe rams, 6 sec to close - 0.5, Drlg 5687-6322', 635' Rotated 549' in 11 hrs 50 fph, slid 86' in 4.5 hrs 19 fph, Mav dev 1.18\*, Max DLS 2.1 - 15.5

**#7-10-36 BTR 6/14/2011 06:00 - 6/15/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drlg 6322-6639', 317', Rotated 263' in 5.25 hrs 50 fph, slid 54' in 1.75 hrs 31 fph, Max dev .81, Max DLS 1.8 - 7, Rig Service Function test pipe rams 6 sec to close - 0.5, Drlg 6639-7268', 439', Slid 335' in 10.7 hrs 31 fph, slid 104' in 5.3 hrs 19.6 fph, Max dev .99\*, Max DLS 1.32 - 16.5

**#7-10-36 BTR 6/15/2011 06:00 - 6/16/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drlg 7268-7750', 482', rotated 396' in 6 hrs 66 fph, slid 113' in 4.5 hrs 25 fph, Max Dev 1.06\*, Max DLS .88 - 10.5, Rig Service Function pipe rams 6 sec to close - 0.5, Drlg 7750-8237, 487', Rotated 386' in 7.6 hrs 51 fph, Slid 101' in 5.4 hrs 18.7 fph. Max Dev 1.01\*, Max DLS 1.65 - 13

**#7-10-36 BTR 6/16/2011 06:00 - 6/17/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drill from 8237' to 8289'. - 1, Rig service. - 0.5, Drill from 8289' to 8648'. No slide necessary from 8294'. - 10.5, Drill from 8648' to 8899'. No sliding necessary. Bit stopped drilling. - 7.5, Circ BU. Check for flow. No flow. Slug pipe and TOOH for new bit. - 1, POOH for new bit. - 3.5

**#7-10-36 BTR 6/17/2011 06:00 - 6/18/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

FOOH with worn bit. LD bit x motor. Function test blind rams. PU new motor and new Mi616 bit. Stage in hole, circ out at 3500' (max gas 67 units) and 6000' (max gas 997 units. FIH to TD x circ out. - 7.5, Service rig. Function test pipe rams. - 0.5, Circ BU. Drill/slide from 8899'-9017'. Max gas 6000 units. - 4, Drill/slide from 9017' to 9525'. Slide 3 times (6', 15' x 15'). - 12

**#7-10-36 BTR 6/18/2011 06:00 - 6/19/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drill/slide from 9525' to 9843'. - 9.5, Rig Service. Function test pipe rams. - 0.5, Drill/slide from 9843' to 9881'. - 2, Drill/slide from 9881' to 10,224'. - 12

**#7-10-36 BTR 6/19/2011 06:00 - 6/20/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Drill/slide from 10224' to 10320'. - 3, Rig service. Function check pipe rams. - 0.5, Drill from 10320' to 10584'. Well TD. - 8.5, Circ BU x condition mud for STRIP. - 1.5, Make 20 stand STRIP. - 1.5, Circ BU. C X C mud to run logs. - 1.5, Slug pipe and SLM out of hole to run logs. Pull wear bushing. - 7.5

**#7-10-36 BTR 6/20/2011 06:00 - 6/21/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Safety meeting. Fin RU HES logging unit. RIH with first run (GR-NT-Den-BHCS-GEM-Comp CSNG-DLL). Logger TD 10583'. Second run GR-HFDT. Hole condition good. No pulls or set downs during all logging. RDMO HES logging unit. - 17.5, PU rock bit x xover and stage in hole. Circ out at casing shoe, 6500' and TD. - 6, Break Circ at TD. Circ x cond mud to run casing. - 0.5

**#7-10-36 BTR 6/21/2011 06:00 - 6/22/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

C X C mud to run casing. Max gas: 9931 units. - 2.25, RU LD machine. LD 2 jts DP. 3d joint pulling hard (100k over). Kelly up x circ out. Sloughing shale. RIH to bottom x kelly up. C X C mud raising MW to 9.7 ppg. C X C and level out mud weight. Spot 50 bbl pill @ 11.5 ppg on bottom. - 5.25, POOH, LDDP. Break kelly and subs. - 9, RU casing crew. Safety meeting. Run 5-1/2", 17#, P110, LTC casing. Approx 6500' run at report time. - 7.5

**#7-10-36 BTR 6/22/2011 06:00 - 6/23/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Fill pipe at 7100'. Unable to circulate. Well taking fluid. Build volume while continuing to run casing. Finish running 5-1/2", 17#, P110, LTC casing. Land casing at 10584. - 4, Fill pipe and attempt to break circ. Unable to circ. 60K drag on pipe. 30K squat. Pump LCM pill. No returns. Let pill soak. No returns. Work pipe up/down 20'. Returns to surface. Continue to work pipe and pump LCM. Full returns in 45 minutes. - 3.5, Full returns established. Circ 2+ hole volumes at 12-14 bpm. Full returns. - 2.5, Safety meeting with Halliburton. NU cementing head. Test lines to 5000 psig. Pump 5 bbl water, 40 bbls chem spacer, 5 bbl water, 393 bbls (950 sxs) lead cement at 11.0 ppg, 186 bbls (730 sxs) tail cement at 13.5 ppg. Displace with 243 bbls KCL water. Bump plug with 1950 psig. Pressure to 3550 psig to test casing. Hold pressure for 3+ minutes. Bleed back 3-1/4 bbls. Floats holding ok. Had full or almost full returns during all of job except for the last 10 bbls pumped. No returns for the last 10 bbls. Had spacer to surface but no cement. Held post job meeting. RDMO Halliburton. - 4, Dump and clean mud pits and prepare rig for move. Washout and ND stack. PU stack and set slips with 30k over string weight (190k). WOC time was 2.0 hours. Make rough cut. Release rig at 12:00 am, midnight. - 4

**#7-10-36 BTR 6/27/2011 06:00 - 6/28/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Blade location. Clean cellar, rat, and mouse hole. Roustabouts hauled in production equipment, and started with RU. Filled cellar to 2" valve, rat/mouse hole with gravel. ND 11-1/16 5M night cap. Dress casing stub. NU 11-1/16 5M x 7-1/16 5M x 2-1/16 5M Cameron tubing head. Test "PE" seals to 5000#. Good test. NU 7-1/16 5M night cap. - 24

**#7-10-36 BTR 6/28/2011 06:00 - 6/29/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Roustabouts spotting, and RU production facilities. EIPaso is laying sales line, on location. D and M, AM Dirtworks, and RNI/Dalbo finished cleaning frac tanks. They are sitting on 5-25-36, and 15-10-36, till gas sales line is finished. - 24

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Patterson 506  
Submitted By Rich Dembowski Phone Number 435-828-6095  
Well Name/Number 7-10-36 BTR  
Qtr/Qtr SWNE Section 10 Township 3S Range 6W  
Lease Serial Number 1420H626280  
API Number 049-013-50437

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  
JUN 28 2011  
DIV. OF OIL, GAS & MINING

Date/Time 06/22/2011 01:00 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 Estimated time.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6280
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 7-10-36 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013504370000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2135 FNL 2296 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/22/2011  <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 checked="" 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 type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This sundry is being submitted to notify that this well had first oil and gas sales on 7/22/2011.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/25/2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6280
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 7-10-36 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013504370000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2135 FNL 2296 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2011	<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.		
July 2011 Monthly Drilling Activity Report attached.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/3/2011

**#7-10-36 BTR 7/1/2011 06:00 - 7/2/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Building production facilities, Set Frac Tanks, MI rig pump and tanks, set pipe rack and cat walk. El-Paso finishing up pipe line. - 24

**#7-10-36 BTR 7/2/2011 06:00 - 7/3/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

WSI & Secured, Construction crews showed up 08:00 and started on building production equipment. - 5, Set up pipe handler and pipe racks. Off loaded 340 jts of 2 7/8" tbg. Filled frac tank for rig pump. N/D 7 1/16" 5k night cap flange. N/U 7 1/16" Bop's. Waiting on Nabors Service unit to arrive on location. - 5, Rig 1409 arrived, Safety meeting with rig crew. Spotted in rig and rigged up 1409 unit, shut down for the night. - 1.5, Secured well head and location. - 12.5

**#7-10-36 BTR 7/3/2011 06:00 - 7/4/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Well shut in and secured, waiting on rig crew to arrive. - 0.5, Safety meeting with rig crew. reviewed hazards around picking up tbg and heat stress. - 0.5, Rigged up rig floor and tbg handling equipment. Rig crew had to make repairs to rig tongs, issue with break band and alimnet bolt. - 2.5, P/up 1 jts of 2 7/8" tbg, made up 4.625" chomp bit and 5.5" casing scrapper, P/up 2-jts of 2 7/8" added 2 7/8" flag nipple. RIH with 314 jts of 2 7/8". Placed EOT @ 10,015' and secured bop's and tbg for the night. Filled frac tanks throughout the day. - 6, Well Secured. - 14.5

**#7-10-36 BTR 7/4/2011 06:00 - 7/5/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

WSI & Secured. - 24

**#7-10-36 BTR 7/5/2011 06:00 - 7/6/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

WSI & Secured. Waiting on Rig crew to arrive. - 1, Safety meeting with rig crew, started rig and check rig equipment. Check for pressure at the well head. 0#. Open pipe rams. P/up 15 jts of 2 7/8", tag PBTD @ 10,496' with jt 330. L/D 1 jt for 2 7/8" tbg. closed pipe rams. - 1, R/U Pump to tbg. circulated hole w/ 220 bbls of 3% KCL @ 3 bpm. Recovered +/- 10 bbls of wet thick cement and rubber material. Verified that fluid returns were clean, shut down rig pump, racked out hard line and pump and tank. - 2, Open pipe rams, POOH / laying down 329 Jts of 2 7/8" tbg. - 5.5, Secured BOP's, R/D tbg equipment & Rig floor. Pre-loaded hole with 24 bbls of 3% KCL, filled hole. R/D Service unit, N/D BOP's, N/U night cap. Off loaded 340 of jt of tbg onto flat bed trailer. EL-Paso working on hook up sales line to meter house. A&J Construction crews continued building facility equipment. Emptied out rig frac tank. hauled off pump and tank to LT trucking pipe yard. Move rig off location to stage area. - 3, WSI & Secured well head for the night. - 11.5

**#7-10-36 BTR 7/6/2011 06:00 - 7/7/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

WSI & Secured, Construction crews arrived 07:30 and started working on building production facility. LT-trucking moved pipe racks & cat walk off location. Had A&M Dirt Works start building access road around the location. - 4, MIRU SLB logging unit. Check pressure on well head 0 psi. Removed 7 1/16" night cap flange and R/U E-line flanger adapter. P/up 4.625" gauge ring and junk basket. RIH W/ G/R and junk basket, tagged PBTD @ 10,451', POOH with gauge ring, P/up CBL/CCL/GR logging tools. RIH to PBTD @ 10,451', ran a 231' log strip from 10,220 to 10,451' correlation pass, completed tie in to open hole log reference. ( 6-20-11 Quad Combo-TD to Bott. Surface Csg inc SP, microlog, sonic & HFDT, GR to surface. GEM-TD to 6550'.) Cement looked ratty from 10,451' to 10,301, R/U IPS and put 1000 to 800 psi on the casing. Ran main pass log with CBL/CCL/GR from 10,451' to 200' @ 60'-minute, Called top of cement @ 380'. L/D tools, N/D E-line flange and N/U night cap flange, Secured well head. RDMO SLB. - 6, Well and location is shut in and secured. - 14

**#7-10-36 BTR 7/7/2011 06:00 - 7/8/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Continue to build production equipment. lay production lines and insulating production tanks. Set flow back tanks and storage tanks, built berms around flow back tanks. - 24

**#7-10-36 BTR 7/8/2011 06:00 - 7/9/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Location turned over from construction to completion, WSI & Secured. - 24

**#7-10-36 BTR 7/9/2011 06:00 - 7/10/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

R/U water transfer line, moved in mountain move. start prepping location for frac. - 24

**#7-10-36 BTR 7/10/2011 06:00 - 7/11/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

Safety meeting with contractor. Set flow back / safety shack, Installed frac mandrel and 5" x 10k frac tree, R/U flow back iron to flow back tanks. Pressures tested outer seal on the frac mandrel. Shell test frac tree. Pressure tested frac tree and casing to 250 psi low and 8500 psi. Held test on remote chart for 30 minutes. Good test. Continue with location prep for frac. Secured well head. - 24

**#7-10-36 BTR 7/11/2011 06:00 - 7/12/2011 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50437	Utah	Duschene	Black Tail Ridge		10,584.0	Drilling & Completion

## Time Log Summary

WSI & Secured, waiting on SLB crew to perf 1st interval. - 2, Safety meeting with SLB crew, spotted in E-line unit. R/U crane, P/up grease head, lubricator and e-line bop's. Rigged up pressure test unit, pressure tested pressure control equipment to 4500 psi, held test for 5 min, good test. disconnected lub and P/up CCL & 1st perf guns. RIH to correlation depth, ( Ran correlation strip off of log reference 7/6/11 CCL/CBL/GR made depth correction to open hole log.) Drop down to target depth, fired shots from 10,400' to 10,402'. pulled to the next set of perfs and IP address switch was not communicating. POOH with miss-run. - 2.5, Secured miss-fired guns in lub, L/D perf guns, found that switch body wire failed. Replace switch wire and tested guns string. P/up perf guns. Open well and RIH to target depth, verified depth correction to CCL, made depth correction to CCL. Drop down to target depth and shot perfs from 10,240' to 10,386'. All shot fired as design. POOH with spent guns, L/D spent guns and secured frac tree. - 2.5, MIRU Halliburton's frac equipment. Electrician place ground wire on flow back tanks and work on electrical board. Construction crew worked on insulating flow line and production tanks. Trucked in sand. - 4, Flow test crew watch and monitor well pressure throughout the night. - 13

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6280
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-10-36 BTR	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013504370000	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2135 FNL 2296 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2011	<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 style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">August 2011 Monthly Drilling Activity Report attached.</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b></p>		
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/6/2011	

**#7-10-36 BTR 8/10/2011 06:00 - 8/11/2011 06:00**

API/UWI 43-013-50437	State/Province Utah	County Duschene	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 10,584.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	--------------------------------	-------------	--------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	Travel
07:00	2.00	09:00	RMOV	Rig Move	MIRU
09:00	2.00	11:00	BOPI	Install BOP's	KILL WELL N/U BOP
11:00	2.00	13:00	RUTB	Run Tubing	RIG W/ 83 JTS TAG 12' FILL NEVER SAW BIT
13:00	3.00	16:00	PULT	Pull Tubing	POOH LAY DOWN BOTTOM HOLE ASS.
16:00	3.00	19:00	RUTB	Run Tubing	RIH AS FOLLOWS DUMP VALVE 1 JT DESANDER 4' SUB SEAT NIPPLE 2 JTS ANCHOR 200 JTS SWIFN

**#7-10-36 BTR 8/11/2011 06:00 - 8/12/2011 06:00**

API/UWI 43-013-50437	State/Province Utah	County Duschene	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 10,584.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	--------------------------------	-------------	--------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	2.00	09:00	RUTB	Run Tubing	FINISH RUNNING IN HOLE W/ TUBING N/D BOP SET ANCHOR W/ 20,000# TENSION LAND TUBING IN HOLE DUMP VALVE 1 JT DESANDER 4' SUB SEAT NIPPLE 2 JTS ANCHOR 322 JTS
09:00	1.00	10:00	HOIL	Hot Oil Well	FLUSH RODS W/ 65 BBLs
10:00	6.00	16:00	RURP	Run Rods & Pump	RIH W/ RODS AS FOLLOWS PUMP 4' SAB SUB 40 1" 136 3/4 121 7/8 116 1" 40' POLISH ROD
16:00	1.00	17:00	PTST	Pressure Test	FILL W/ 7 BBLs AND TEST TO 800 PSI
17:00	2.00	19:00	SRIG	Rig Up/Down	R/D SLIDE ROTFLEX IN HANG OFF TURN OVER TO PRODUCTION
19:00	11.00	06:00	GOP	General Operations	TURN OVER TO PRODUCTION

**#7-10-36 BTR 8/17/2011 06:00 - 8/18/2011 06:00**

API/UWI 43-013-50437	State/Province Utah	County Duschene	Field Name Black Tail Ridge	Well Status	Total Depth (ftKB) 10,584.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	--------------------------------	-------------	--------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00			D&M and roustabout crew cleaned out 9 production tanks.

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

5. Lease Serial No.  
1420H626280

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. \_\_\_\_\_

2. Name of Operator **BILL BARRETT CORPORATION** Contact: **MEGAN FINNEGAN**  
 E-Mail: **mfinnegan@billbarrettcorp.com**

8. Lease Name and Well No.  
7-10-36 BTR

3. Address **1099 18TH STREET SUITE 2300 DENVER, CO 80202** 3a. Phone No. (include area code)  
 Ph: **303-299-9949**

9. API Well No. **43-013-50437**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **SWNE 2135FNL 2296FEL**  
 At top prod interval reported below **SWNE 2165FNL 2296FEL**  
 At total depth **SWNE 2192FNL 2286FEL** *BHL by HSM*

10. Field and Pool, or Exploratory  
**CEDAR RIM**

11. Sec., T., R., M., or Block and Survey  
or Area **Sec 10 T3S R6W Mer U6M**

12. County or Parish **DUCHESNE** 13. State **UT**

14. Date Spudded **05/09/2011** 15. Date T.D. Reached **08/19/2011** 16. Date Completed  
 D & A  Ready to Prod. **07/22/2011**

17. Elevations (DF, KB, RT, GL)\*  
**5998 GL**

18. Total Depth: MD **10584** TVD **10583** 19. Plug Back T.D.: MD **10486** TVD **10624** 20. Depth Bridge Plug Set: MD **10486** TVD **10624**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL, TRIPLE COMBO, BOREHOLE**

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit analysis)

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	80	80			0	
12.250	9.625 J-55	36.0	0	3510	3505	850	268	0	
8.750	5.600 P-110	17.0	0	10584	10584	1680	579	1522	15000

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	10470							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	7936	8966	7936 TO 8966	0.440	177	OPEN
B) WASATCH	8987	10402	8987 TO 10402	0.440	234	OPEN
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
7936 TO 8966	GREEN RIVER: SEE TREATMENT STAGES 7 - 11
8987 TO 10402	WASATCH: SEE TREATMENT STAGES 1 - 6

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

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
07/22/2011	07/22/2011	24	→	234.0	0.0	925.0	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	
32/64	269	1031.0	→	234	0	925		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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

RECEIVED

OCT 18 2011

DIV. OF OIL, GAS & MINING

**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	4421
				MAHOGANY	5463
				DOUGLAS CREEK	7389
				BLACK SHALE	7932
				UTELAND BUTTE	8487
				CR1	8555
				WASATCH	8974
				TD	10584

**32. Additional remarks (include plugging procedure):**

TOC was calculated by CBL. First gas sales and first oil sales was on 7/22/2011. Attached is treatment data.

**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:      |                       |

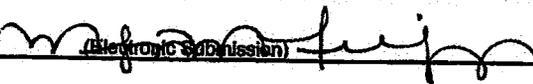
**34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):**

Electronic Submission #120546 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 10/18/2011

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 \*\***

**7-10-36 BTR Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>			
<b>AMOUNT AND TYPE OF MATERIAL</b>			
<b><i>Stage</i></b>	<b><i>Bbls Slurry</i></b>	<b><i>lbs 100 Mesh Common White Sand</i></b>	<b><i>lbs CRC Sand</i></b>
1	3,227		128,200
2	3,533		156,700
3	3,529		156,700
4	3,557		161,600
5	3,554		160,600
6	3,537		161,600
7	3,638		166,600
8	3,362		159,800
9	3,475	18,400	149,900
10	3,693	19,200	157,400
11	2,826	15,460	120,980

\*Depth intervals for frac information same as perforation record intervals.

# Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 10-T3S-R6W

#7-10-36 BTR

Plan A Rev 0

Survey: Sperry MWD Surveys

## Sperry Drilling Services Standard Report

22 September, 2011

Well Coordinates: 694,284.14 N, 2,265,963.20 E (40° 14' 08.20" N, 110° 32' 50.41" W)

Ground Level: 5,997.00 ft

Local Coordinate Origin:	Centered on Well #7-10-36 BTR
Viewing Datum:	RKB 16' @ 6013.00ft (Patterson 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**

# SPERRY-SUN DRILLING SERVICES

## CERTIFIED SURVEY WORK SHEET

<b>OPERATOR:</b>	Bill Barrett Corp.
<b>WELL:</b>	7-10-36 BTR
<b>FIELD:</b>	BTR
<b>RIG:</b>	Patterson 506
<b>LEGALS:</b>	Sec. 10-T3S-R6W
<b>COUNTY:</b>	Duchesne
<b>STATE:</b>	Utah
<b>CAL. METHOD:</b>	Min. Curv.
<b>MAG. DECL. APPLIED:</b>	11.58°
<b>VERTICAL SEC. DIR. :</b>	0.00°

<b>SSDS Job Number :</b>	8219577
<b>Start Date of Job :</b>	6/4/2011
<b>End Date of Job :</b>	6/20/2011
<b>Lead Directional Driller:</b>	Glen Kumm
	Jonathon Nichols
<b>Other SSDS DD's :</b>	Phil Wagner
<b>SSDS MWD Engineers :</b>	Eric Hirst
	Roy Mestas

Geo Pilot Engineer :

Surface Casing  
First Wireline Survey  
Last Wireline Survey

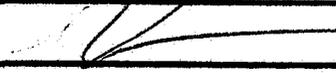
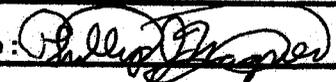
KOP Depth/Sidetrack MD  
MWD Tie-on

First MWD Survey Depth  
Last MWD Survey Depth  
Bit Extrapolation @ TD

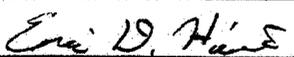
Main Hole =====>	1st Side Track =====>	2nd Side Track =====>	3rd Side Track =====>	4th Side Track =====>
3510'	Tie-on	Tie On	Tie On	Tie On
	SS	MWD		
	SS			
96'	KOP	KOP-ST1	KOP-ST2	KOP-ST3
0'				
135'	MWD	MWD	MWD	MWD
10525.00	MWD	MWD	MWD	MWD
10584.00	T.D.	T.D.	T.D.	T.D.

The following Sperry Drilling Services personnel, certify the above survey information to be accurate to the best of our knowledge:

Print Name : Glen Kumm                      Print Name : Jonathon Nichols                      Print Name : Phil Wagner

Sign Name :                       Sign Name :                       Sign Name : 

Print Name : Eric Hirst                      Print Name : Roy Mestas                      Print Name :

Sign Name :                       Sign Name :                       Sign Name :

**Examples of  
Survey Types:**

TieOn Tie On to Surface Casing (Assumed Vertical), Tie On to existing MWD Survey (prior drilled hole)  
MWD Sperry-Sun Drilling Services (SSDS) Measurement While Drilling (MWD) Survey's  
ESS Sperry-Sun Drilling Services (SSDS) Electronic Survey System (ESS) Survey's  
Gyro Gyro Survey's ; Provided by third party vendor, or by Sperry-Sun Drilling Services (SSDS)  
SS Single Shot (SS) Survey's ; Provided by Sperry-Sun Drilling Services (SSDS) or third party vendor.

# HALLIBURTON

## Survey Report for #7-10-36 BTR - 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
135.00	0.13	8.04	135.00	0.15	0.02	0.15	0.10
<b>First Sperry MWD Survey</b>							
196.00	0.14	121.20	196.00	0.18	0.09	0.18	0.37
255.00	0.20	72.74	255.00	0.17	0.25	0.17	0.25
316.00	0.27	99.18	316.00	0.18	0.50	0.18	0.21
378.00	0.35	126.31	378.00	0.05	0.80	0.05	0.27
440.00	0.48	131.45	440.00	-0.24	1.14	-0.24	0.22
501.00	0.54	159.39	500.99	-0.67	1.44	-0.67	0.41
563.00	0.55	164.01	562.99	-1.23	1.62	-1.23	0.07
623.00	0.56	162.57	622.99	-1.79	1.79	-1.79	0.03
684.00	0.69	163.14	683.98	-2.43	1.98	-2.43	0.21
746.00	0.59	163.71	745.98	-3.09	2.18	-3.09	0.16
807.00	0.69	158.62	806.98	-3.73	2.40	-3.73	0.19
869.00	1.04	161.23	868.97	-4.61	2.72	-4.61	0.57
929.00	0.88	162.36	928.96	-5.57	3.03	-5.57	0.27
993.00	0.87	166.88	992.95	-6.51	3.29	-6.51	0.11
1,056.00	1.06	156.81	1,055.95	-7.51	3.63	-7.51	0.40
1,120.00	0.75	156.84	1,119.94	-8.44	4.03	-8.44	0.48
1,183.00	0.60	133.65	1,182.93	-9.05	4.43	-9.05	0.49
1,247.00	0.34	128.76	1,246.93	-9.40	4.82	-9.40	0.41
1,310.00	0.15	169.32	1,309.93	-9.60	4.98	-9.60	0.39
1,373.00	0.36	194.00	1,372.93	-9.87	4.95	-9.87	0.37
1,437.00	0.62	155.89	1,436.93	-10.38	5.04	-10.38	0.63
1,500.00	0.64	138.34	1,499.92	-10.95	5.42	-10.95	0.31
1,564.00	0.27	112.40	1,563.92	-11.28	5.79	-11.28	0.65
1,627.00	0.32	54.03	1,626.92	-11.23	6.07	-11.23	0.46
1,690.00	0.24	78.36	1,689.92	-11.10	6.34	-11.10	0.22
1,754.00	0.65	91.24	1,753.92	-11.08	6.84	-11.08	0.66
1,817.00	0.77	109.01	1,816.91	-11.23	7.60	-11.23	0.40
1,881.00	0.67	118.56	1,880.91	-11.55	8.33	-11.55	0.24
1,944.00	0.68	130.52	1,943.90	-11.97	8.94	-11.97	0.22
2,008.00	0.73	151.67	2,007.90	-12.57	9.42	-12.57	0.41
2,070.00	0.86	155.78	2,069.89	-13.34	9.80	-13.34	0.23
2,134.00	0.88	158.91	2,133.89	-14.24	10.17	-14.24	0.08
2,197.00	0.87	156.85	2,196.88	-15.13	10.53	-15.13	0.05
2,261.00	1.44	154.24	2,260.87	-16.30	11.08	-16.30	0.89
2,324.00	1.39	153.50	2,323.85	-17.70	11.76	-17.70	0.08
2,388.00	1.37	171.73	2,387.83	-19.15	12.22	-19.15	0.68
2,451.00	1.44	185.45	2,450.81	-20.68	12.25	-20.68	0.54
2,515.00	1.28	191.11	2,514.79	-22.19	12.04	-22.19	0.33
2,578.00	1.25	207.72	2,577.78	-23.49	11.58	-23.49	0.58
2,640.00	1.44	212.26	2,639.76	-24.74	10.85	-24.74	0.35
2,704.00	0.86	184.10	2,703.75	-25.90	10.39	-25.90	1.24
2,767.00	0.75	133.95	2,766.74	-26.66	10.65	-26.66	1.09
2,831.00	0.71	121.83	2,830.74	-27.16	11.29	-27.16	0.25
2,894.00	1.01	122.21	2,893.73	-27.66	12.09	-27.66	0.48
2,958.00	1.01	111.09	2,957.72	-28.16	13.09	-28.16	0.31
3,022.00	0.51	134.46	3,021.71	-28.57	13.82	-28.57	0.90
3,085.00	0.59	138.05	3,084.71	-29.00	14.24	-29.00	0.14

**HALLIBURTON****Survey Report for #7-10-36 BTR - Sperry MWD Surveys**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3,149.00	0.30	155.92	3,148.71	-29.40	14.53	-29.40	0.50
3,212.00	0.46	191.56	3,211.71	-29.80	14.54	-29.80	0.44
3,276.00	0.72	191.50	3,275.70	-30.45	14.41	-30.45	0.41
3,339.00	0.98	190.72	3,338.70	-31.36	14.23	-31.36	0.41
3,402.00	1.02	178.78	3,401.69	-32.45	14.15	-32.45	0.34
3,443.00	0.94	223.09	3,442.68	-33.06	13.92	-33.06	1.81
3,532.00	1.33	235.77	3,531.66	-34.18	12.57	-34.18	0.52
3,596.00	1.15	258.08	3,595.65	-34.73	11.33	-34.73	0.80
3,659.00	1.36	324.23	3,658.64	-34.25	10.27	-34.25	2.19
3,723.00	1.62	348.87	3,722.62	-32.75	9.65	-32.75	1.07
3,786.00	1.53	3.98	3,785.59	-31.04	9.54	-31.04	0.67
3,850.00	0.79	333.95	3,849.58	-29.79	9.41	-29.79	1.46
3,913.00	0.73	312.10	3,912.57	-29.13	8.92	-29.13	0.47
3,977.00	0.91	3.97	3,976.57	-28.35	8.65	-28.35	1.15
4,040.00	0.81	0.35	4,039.56	-27.40	8.69	-27.40	0.18
4,104.00	0.29	261.75	4,103.56	-26.97	8.53	-26.97	1.41
4,167.00	0.29	263.53	4,166.56	-27.02	8.21	-27.02	0.01
4,231.00	0.63	11.73	4,230.56	-26.69	8.12	-26.69	1.21
4,294.00	0.49	21.40	4,293.55	-26.10	8.29	-26.10	0.27
4,357.00	0.20	174.93	4,356.55	-25.96	8.40	-25.96	1.07
4,421.00	0.53	256.50	4,420.55	-26.14	8.12	-26.14	0.84
4,484.00	0.83	281.67	4,483.55	-26.11	7.39	-26.11	0.66
4,548.00	0.78	288.15	4,547.54	-25.88	6.53	-25.88	0.16
4,611.00	0.96	264.78	4,610.53	-25.80	5.59	-25.80	0.63
4,675.00	0.88	274.19	4,674.53	-25.81	4.57	-25.81	0.27
4,738.00	1.07	314.18	4,737.52	-25.37	3.66	-25.37	1.10
4,802.00	1.23	327.89	4,801.50	-24.37	2.87	-24.37	0.50
4,865.00	1.34	351.13	4,864.49	-23.07	2.40	-23.07	0.84
4,928.00	0.96	336.63	4,927.48	-21.86	2.07	-21.86	0.76
4,992.00	0.41	314.32	4,991.47	-21.20	1.70	-21.20	0.94
5,055.00	0.59	356.26	5,054.47	-20.72	1.52	-20.72	0.63
5,118.00	0.59	16.00	5,117.47	-20.09	1.58	-20.09	0.32
5,182.00	0.08	193.70	5,181.47	-19.81	1.66	-19.81	1.05
5,246.00	0.60	187.93	5,245.46	-20.19	1.61	-20.19	0.81
5,309.00	0.48	211.76	5,308.46	-20.74	1.42	-20.74	0.40
5,373.00	0.26	253.21	5,372.46	-21.01	1.14	-21.01	0.52
5,436.00	0.36	263.45	5,435.46	-21.07	0.81	-21.07	0.18
5,500.00	0.66	329.14	5,499.46	-20.78	0.42	-20.78	0.95
5,564.00	0.78	337.78	5,563.45	-20.06	0.07	-20.06	0.25
5,627.00	0.80	327.57	5,626.45	-19.29	-0.33	-19.29	0.23
5,691.00	0.58	323.76	5,690.44	-18.65	-0.76	-18.65	0.35
5,754.00	0.70	181.41	5,753.44	-18.78	-0.96	-18.78	1.92
5,817.00	0.40	121.05	5,816.44	-19.28	-0.78	-19.28	0.97
5,881.00	0.97	14.26	5,880.43	-18.87	-0.46	-18.87	1.80
5,944.00	1.18	13.61	5,943.42	-17.72	-0.17	-17.72	0.33
6,008.00	0.44	14.17	6,007.42	-16.84	0.04	-16.84	1.16
6,071.00	0.90	174.23	6,070.41	-17.10	0.15	-17.10	2.10
6,135.00	1.31	163.95	6,134.40	-18.30	0.40	-18.30	0.71
6,198.00	1.10	133.99	6,197.39	-19.42	1.04	-19.42	1.04
6,262.00	1.08	122.65	6,261.38	-20.17	1.99	-20.17	0.34
6,325.00	0.18	20.00	6,324.37	-20.40	2.52	-20.40	1.80

**HALLIBURTON****Survey Report for #7-10-36 BTR - Sperry MWD Surveys**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,389.00	0.69	266.72	6,388.37	-20.32	2.17	-20.32	1.22
6,452.00	0.62	204.79	6,451.37	-20.65	1.65	-20.65	1.07
6,515.00	0.81	164.71	6,514.36	-21.39	1.62	-21.39	0.83
6,579.00	0.42	191.67	6,578.36	-22.06	1.70	-22.06	0.74
6,642.00	0.24	239.90	6,641.36	-22.35	1.54	-22.35	0.50
6,706.00	0.12	155.22	6,705.36	-22.48	1.45	-22.48	0.40
6,769.00	0.38	167.35	6,768.36	-22.74	1.52	-22.74	0.42
6,833.00	0.36	178.74	6,832.36	-23.15	1.57	-23.15	0.12
6,897.00	0.48	113.77	6,896.36	-23.46	1.82	-23.46	0.72
6,960.00	0.99	89.33	6,959.35	-23.56	2.61	-23.56	0.93
7,024.00	0.86	88.85	7,023.34	-23.54	3.64	-23.54	0.20
7,087.00	0.36	84.24	7,086.34	-23.52	4.31	-23.52	0.80
7,151.00	0.26	126.10	7,150.34	-23.58	4.63	-23.58	0.38
7,214.00	0.97	177.18	7,213.33	-24.20	4.77	-24.20	1.32
7,277.00	1.21	180.17	7,276.32	-25.40	4.79	-25.40	0.39
7,341.00	1.06	192.34	7,340.31	-26.65	4.66	-26.65	0.44
7,404.00	1.05	203.90	7,403.30	-27.75	4.31	-27.75	0.34
7,468.00	0.85	236.37	7,467.29	-28.55	3.67	-28.55	0.88
7,531.00	0.65	271.16	7,530.29	-28.80	2.93	-28.80	0.77
7,595.00	0.21	283.02	7,594.28	-28.76	2.45	-28.76	0.70
7,658.00	0.21	192.45	7,657.28	-28.85	2.31	-28.85	0.47
7,722.00	0.53	201.86	7,721.28	-29.24	2.18	-29.24	0.51
7,785.00	0.51	248.93	7,784.28	-29.61	1.81	-29.61	0.66
7,849.00	0.64	239.21	7,848.28	-29.90	1.23	-29.90	0.25
7,912.00	0.77	224.61	7,911.27	-30.38	0.63	-30.38	0.35
7,975.00	0.42	243.69	7,974.27	-30.78	0.13	-30.78	0.63
8,038.00	0.29	281.01	8,037.27	-30.85	-0.23	-30.85	0.41
8,102.00	1.01	189.81	8,101.26	-31.38	-0.49	-31.38	1.65
8,166.00	1.12	191.11	8,165.25	-32.55	-0.70	-32.55	0.18
8,229.00	0.36	238.22	8,228.25	-33.26	-0.99	-33.26	1.45
8,293.00	0.53	345.36	8,292.25	-33.08	-1.24	-33.08	1.13
8,356.00	0.71	1.20	8,355.24	-32.40	-1.30	-32.40	0.39
8,419.00	0.67	14.52	8,418.24	-31.66	-1.20	-31.66	0.26
8,483.00	0.62	14.89	8,482.23	-30.96	-1.02	-30.96	0.08
8,546.00	0.39	34.18	8,545.23	-30.45	-0.81	-30.45	0.45
8,610.00	0.39	90.01	8,609.23	-30.27	-0.47	-30.27	0.57
8,673.00	0.58	106.23	8,672.23	-30.36	0.05	-30.36	0.37
8,737.00	0.68	125.11	8,736.22	-30.67	0.67	-30.67	0.36
8,800.00	0.93	128.44	8,799.22	-31.20	1.38	-31.20	0.40
8,863.00	1.26	135.50	8,862.21	-32.02	2.26	-32.02	0.56
8,926.00	1.44	142.55	8,925.19	-33.14	3.23	-33.14	0.39
8,990.00	1.26	137.58	8,989.17	-34.30	4.19	-34.30	0.34
9,053.00	0.58	115.10	9,052.16	-34.94	4.95	-34.94	1.20
9,117.00	0.39	45.13	9,116.16	-34.93	5.40	-34.93	0.90
9,180.00	0.59	50.41	9,179.16	-34.57	5.80	-34.57	0.33
9,244.00	0.33	64.14	9,243.16	-34.28	6.22	-34.28	0.44
9,307.00	0.49	111.51	9,306.15	-34.30	6.63	-34.30	0.57
9,371.00	0.49	93.47	9,370.15	-34.41	7.16	-34.41	0.24
9,434.00	0.52	123.48	9,433.15	-34.59	7.67	-34.59	0.42
9,498.00	0.40	133.15	9,497.15	-34.90	8.07	-34.90	0.22

# HALLIBURTON

## Survey Report for #7-10-36 BTR - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
9,561.00	0.64	126.37	9,560.15	-35.26	8.52	-35.26	0.39
9,625.00	0.77	151.82	9,624.14	-35.85	9.01	-35.85	0.52
9,688.00	0.79	158.81	9,687.13	-36.62	9.38	-36.62	0.11
9,752.00	0.77	148.18	9,751.13	-37.39	9.78	-37.39	0.19
9,815.00	0.98	158.44	9,814.12	-38.26	10.20	-38.26	0.41
9,879.00	0.79	159.95	9,878.11	-39.18	10.55	-39.18	0.30
9,943.00	0.84	187.06	9,942.11	-40.06	10.65	-40.06	0.60
10,002.00	0.96	183.15	10,001.10	-40.98	10.57	-40.98	0.23
10,070.00	1.38	185.59	10,069.09	-42.37	10.46	-42.37	0.62
10,133.00	1.52	189.89	10,132.07	-43.94	10.24	-43.94	0.28
10,197.00	1.47	188.70	10,196.04	-45.59	9.97	-45.59	0.09
10,260.00	1.57	195.63	10,259.02	-47.22	9.61	-47.22	0.33
10,324.00	1.57	181.35	10,323.00	-48.94	9.36	-48.94	0.61
10,387.00	1.38	179.42	10,385.98	-50.56	9.34	-50.56	0.31
10,451.00	1.57	181.96	10,449.96	-52.21	9.32	-52.21	0.31
10,525.00	2.01	175.31	10,523.92	-54.52	9.39	-54.52	0.66
<b>Final Sperry MWD Survey</b>							
10,584.00	2.01	175.31	10,582.88	-56.58	9.56	-56.58	0.00
<b>Straight Line Projection to TD</b>							

**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
135.00	135.00	0.15	0.02	First Sperry MWD Survey
10,525.00	10,523.92	-54.52	9.39	Final Sperry MWD Survey
10,584.00	10,582.88	-56.58	9.56	Straight Line Projection to TD

**Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	#7-10-36 BTR_BHL	0.00	Slot	0.00	0.00	0.00

**Survey tool program**

From (ft)	To (ft)	Survey/Plan	Survey Tool
135.00	10,584.00	Sperry MWD Surveys	MWD

# HALLIBURTON

## Survey Report for #7-10-36 BTR - 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
#7-10-36 BTR_BHL - survey misses target center by 533.21ft at 10584.00ft MD (10582.88 TVD, -56.58 N, 9.56 E) - Point	0.00	-0.63	11,113.00	0.00	0.00	694,284.14	2,265,963.20	40° 14' 8.200 N	110° 32' 50.410 W
#7-10-36 BTR_Zone T - survey misses target center by 29.59ft at 7763.56ft MD (7762.84 TVD, -29.52 N, 1.97 E) - Rectangle (sides W200.00 H200.00 D3,350.00)	0.00	-0.63	7,763.00	0.00	0.00	694,284.14	2,265,963.20	40° 14' 8.200 N	110° 32' 50.410 W
#7-10-36 BTR_SHL - survey hits target center - Point	0.00	-0.63	0.00	0.00	0.00	694,284.14	2,265,963.20	40° 14' 8.200 N	110° 32' 50.410 W

**HALLIBURTON**

**North Reference Sheet for Sec. 10-T3S-R6W - #7-10-36 BTR - 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' @ 6013.00ft (Patterson 506). Northing and Easting are relative to #7-10-36 BTR

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: 0.99992322

Grid Coordinates of Well: 694,284.14 ft N, 2,265,963.20 ft E

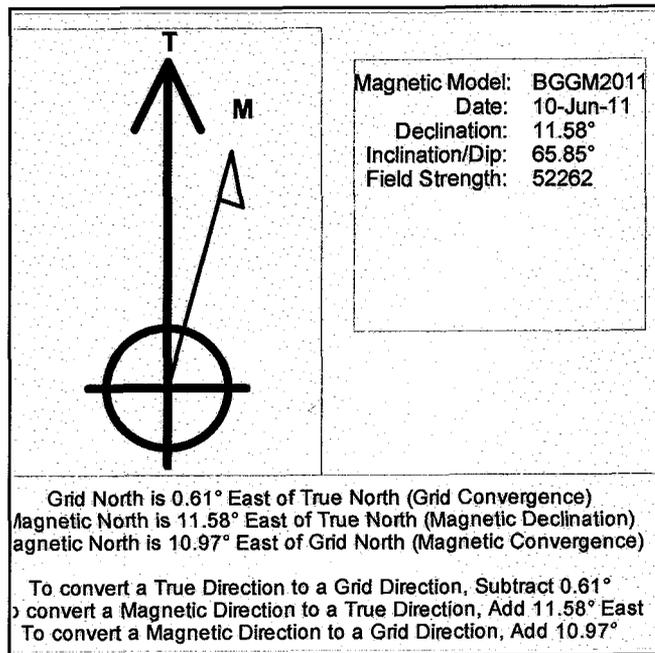
Geographical Coordinates of Well: 40° 14' 08.20" N, 110° 32' 50.41" W

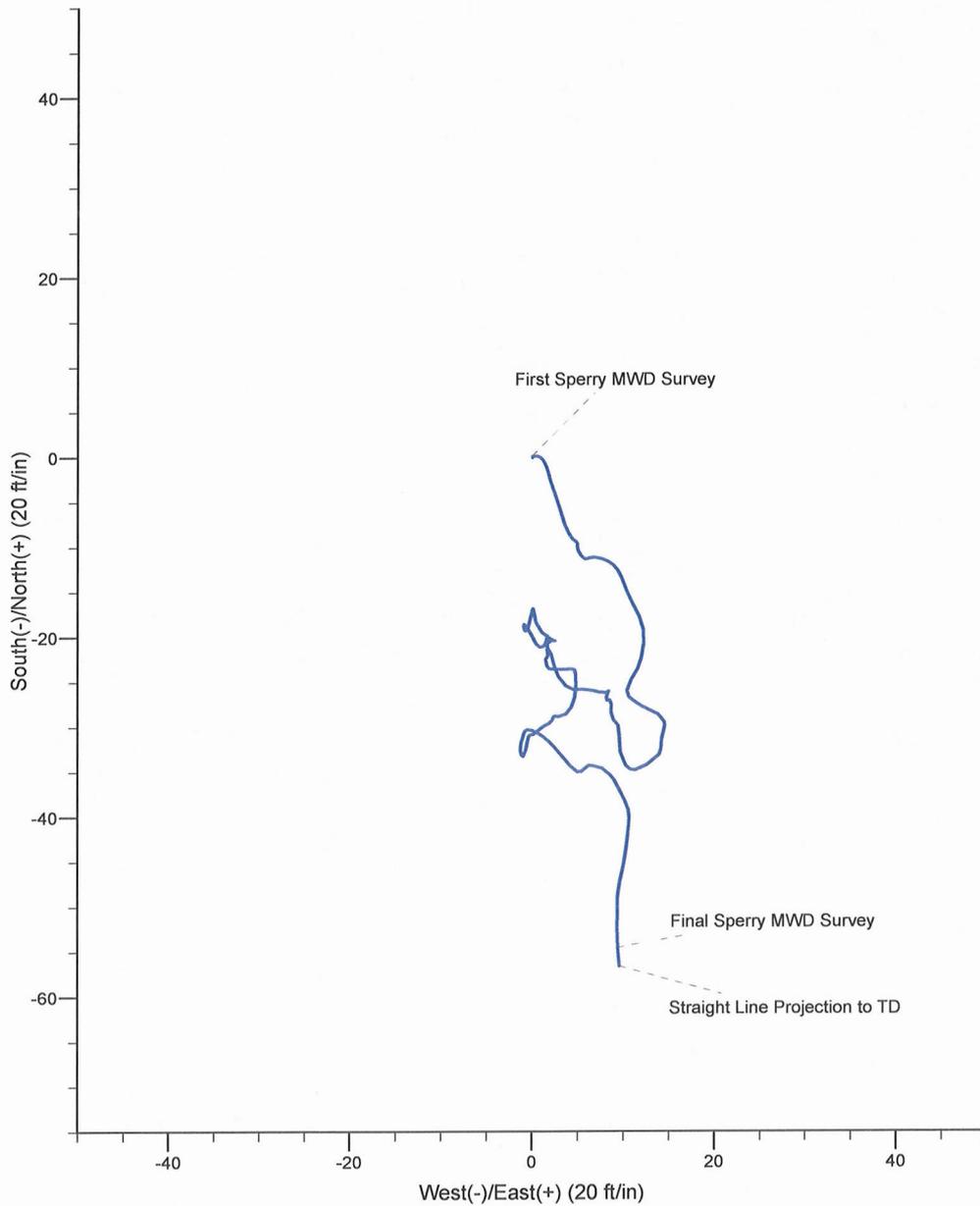
Grid Convergence at Surface is: 0.61°

Based upon Minimum Curvature type calculations, at a Measured Depth of 10,584.00ft

the Bottom Hole Displacement is 57.38ft in the Direction of 170.41° (True).

Magnetic Convergence at surface is: -10.97° (10 June 2011, , BGGM2011)





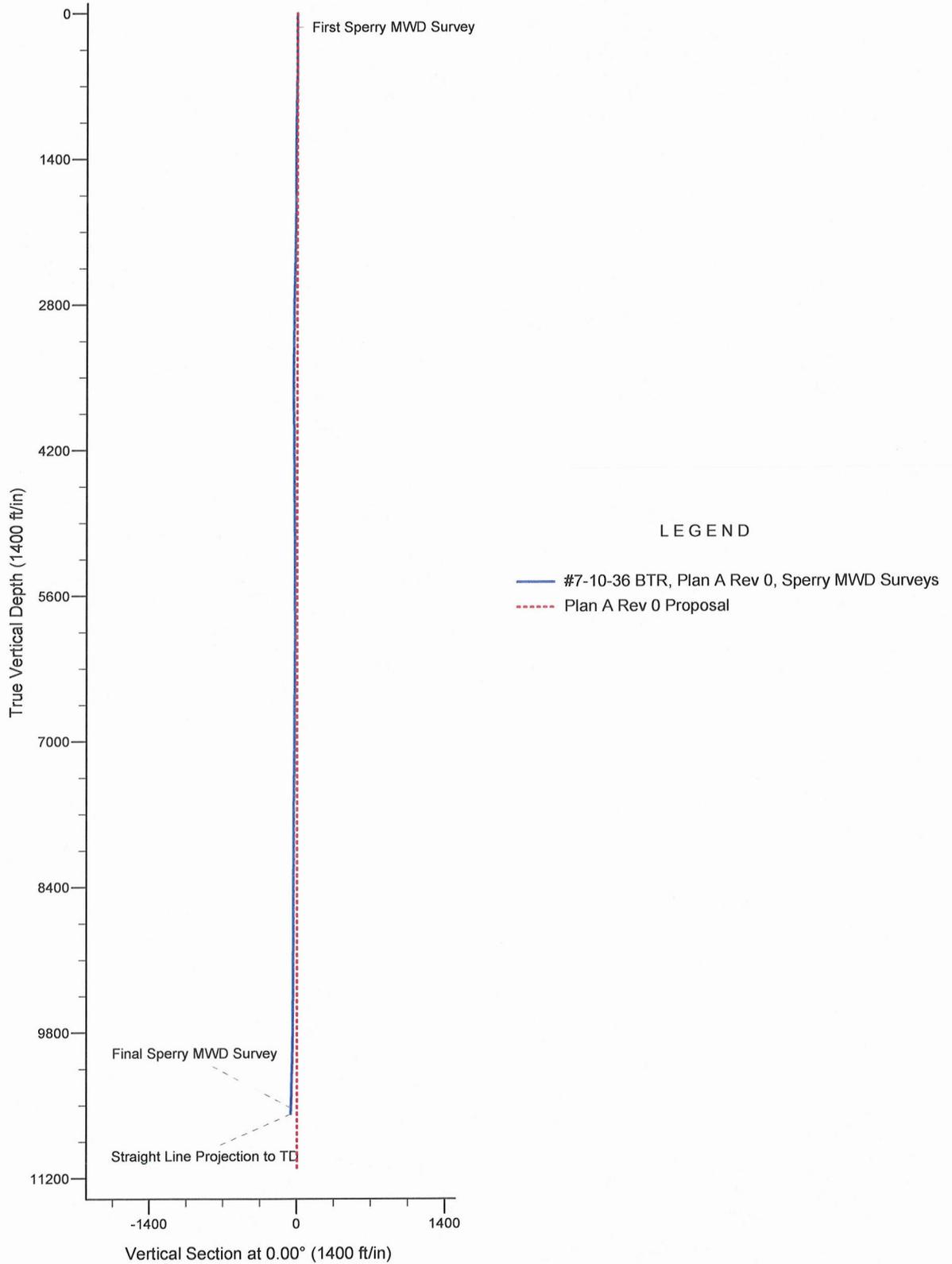
### LEGEND

- #7-10-36 BTR, Plan A Rev 0, Sperry MWD Surveys
- - - Plan A Rev 0 Proposal

Project: Duchesne County, UT (NAD 1927)  
Site: Sec. 10-T3S-R6W  
Well: #7-10-36 BTR

# Bill Barrett Corp

**HALLIBURTON**  
Sperry Drilling



Division of Oil, Gas and Mining  
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
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**

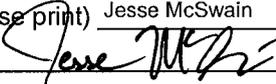
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
<input type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	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"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	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

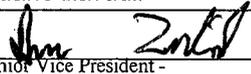
TRANSFER OF AUTHORITY TO INJECT

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

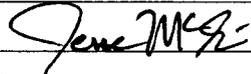
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION  
Address: 1099 18th Street Ste 2300  
city DENVER state CO zip 80202  
Phone: (303) 293-9100  
Comments:

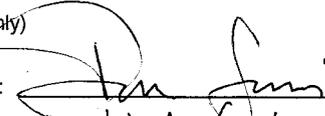
Name: Duane Zavadil  
Signature:   
Senior Vice President -  
Title: EH&S, Government and Regulatory Affairs  
Date: 10/20/16

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

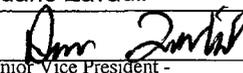
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

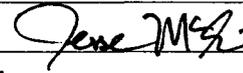
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

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

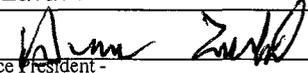
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

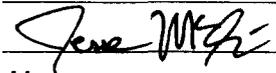
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well  Footage : 0539 FSL 0704 FEL  County : DUCHESNE	Field or Unit Name CEDAR RIM
	Lease Designation and Number 2OG0005608
QQ, Section, Township, Range: SESE 9 3S 6W	State : UTAH

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&amp;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.