

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> 5-10D-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> BHilgers@billbarrettcorp.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 1420H626280	<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> Jim & Annette Herron
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 307-889-0192		<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> PO Box 1082, ,
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2347 FNL 620 FWL	SWNW	10	3.0 S	6.0 W	U
Top of Uppermost Producing Zone	1975 FNL 812 FWL	SWNW	10	3.0 S	6.0 W	U
At Total Depth	1980 FNL 810 FWL	SWNW	10	3.0 S	6.0 W	U

<b>21. COUNTY</b> DUCHESNE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 810	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640
<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 2206	<b>26. PROPOSED DEPTH</b> MD: 11428 TVD: 11402	
<b>27. ELEVATION - GROUND LEVEL</b> 6269	<b>28. BOND NUMBER</b> LPM8874725	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-180

**Hole, Casing, and Cement Information**

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
Surf	12.25	9.625	0 - 3500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	540	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
Prod	8.75	5.5	0 - 11428	17.0	P-110 LT&C	9.7	Unknown	780	2.31	11.0
							Unknown	1000	1.42	13.5

**ATTACHMENTS**

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

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

<b>NAME</b> Venessa Langmacher	<b>TITLE</b> Senior Permit Analyst	<b>PHONE</b> 303 312-8172
<b>SIGNATURE</b>	<b>DATE</b> 09/19/2011	<b>EMAIL</b> vlangmacher@billbarrettcorp.com
<b>API NUMBER ASSIGNED</b> 43013509780000	<b>APPROVAL</b>   Permit Manager	

**DRILLING PLAN**

BILL BARRETT CORPORATION

**5-10D-36 BTR Well Pad**

SW NW, 2347' FNL and 620' FWL, Section 10, T3S-R6W, USB&amp;M (surface hole)

SW NW, 1980' FNL and 810' FWL, Section 10, T3S-R6W, USB&amp;M (bottom hole)

Duchesne County, Utah

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

<b><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Lower Green River*	6,887'	6,868'
Douglas Creek	7,687'	7,661'
Black Shale	8,223'	8,197'
Castle Peak	8,447'	8,421'
Uteland Butte	8,783'	8,757'
Wasatch*	9,272'	9,246'
TD	11,428'	11,402'

\*PROSPECTIVE PAY

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

Base of Useable Water = 100'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 3,500'	No pressure control required
3,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	3,500'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
<b>NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.</b>							

Bill Barrett Corporation  
 Drilling Program  
 #5-10D-36 BTR  
 Duchesne County, Utah

5. **Cementing Program**

<b>Casing</b>	<b>Cementing</b>
16" Conductor Casing	<i>Grout</i>
9 5/8" Surface Casing	<p><i>Lead</i> 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. Top of lead estimated at surface.</p> <p><i>Tail</i> 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. Top of tail estimated at 3,000'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 780 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx,) . Top of lead estimated at 3,000'.</p> <p><i>Tail</i> with approximately 1000 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Top of tail estimated at 7,723'.</p>

6. **Mud Program**

<b>Interval</b>	<b>Weight</b>	<b>Viscosity</b>	<b>Fluid Loss (API filtrate)</b>	<b>Remarks</b>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 3,500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3,500' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

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

Bill Barrett Corporation  
Drilling Program  
#5-10D-36 BTR  
Duchesne County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5751 psi\* and maximum anticipated surface pressure equals approximately 3243 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

**9. Auxiliary Equipment**

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

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

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

**11. Drilling Schedule**

Location Construction: February 2012  
Spud: February 2012  
Duration: 15 days drilling time  
45 days completion time

**PRESSURE CONTROL EQUIPMENT** – Schematic Attached

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

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

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

**C. Testing Procedure:**

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

**D. Choke Manifold Equipment:**

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

**E. Accumulator:**

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

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

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

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

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

**F. Miscellaneous Information:**

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

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



**LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES**

**Well Name:** 5-10D-36 BTR

<u>Surface Hole Data:</u>			<u>Calculated Data:</u>		
Total Depth:	3,500'		Lead Volume:	1644.2	ft <sup>3</sup>
Top of Cement:	0'		Lead Fill:	3,000'	
OD of Hole:	12.250"		Tail Volume:	274.0	ft <sup>3</sup>
OD of Casing:	9.625"		Tail Fill:	500'	
 <u>Cement Data:</u>			 <u>Calculated # of Sacks:</u>		
Lead Yield:	3.16	ft <sup>3</sup> /sk	# SK's Lead:	540	
% Excess:	75%				
Top of Lead:	0'				
Tail Yield:	1.36	ft <sup>3</sup> /sk	# SK's Tail:	210	
% Excess:	75%				
Top of Tail:	3,000'				

<u>Production Hole Data:</u>			<u>Calculated Data:</u>		
Total Depth:	11,428'		Lead Volume:	1789.5	ft <sup>3</sup>
Top of Cement:	3,000'		Lead Fill:	4,723'	
Top of Tail:	7,723'		Tail Volume:	1403.9	ft <sup>3</sup>
OD of Hole:	8.750"		Tail Fill:	3,705'	
OD of Casing:	5.500"				
 <u>Cement Data:</u>			 <u>Calculated # of Sacks:</u>		
Lead Yield:	2.31	ft <sup>3</sup> /sk	# SK's Lead:	780	
Tail Yield:	1.42	ft <sup>3</sup> /sk	# SK's Tail:	1000	
% Excess:	50%				

<b>5-10D-36 BTR Proposed Cementing Program</b>
------------------------------------------------

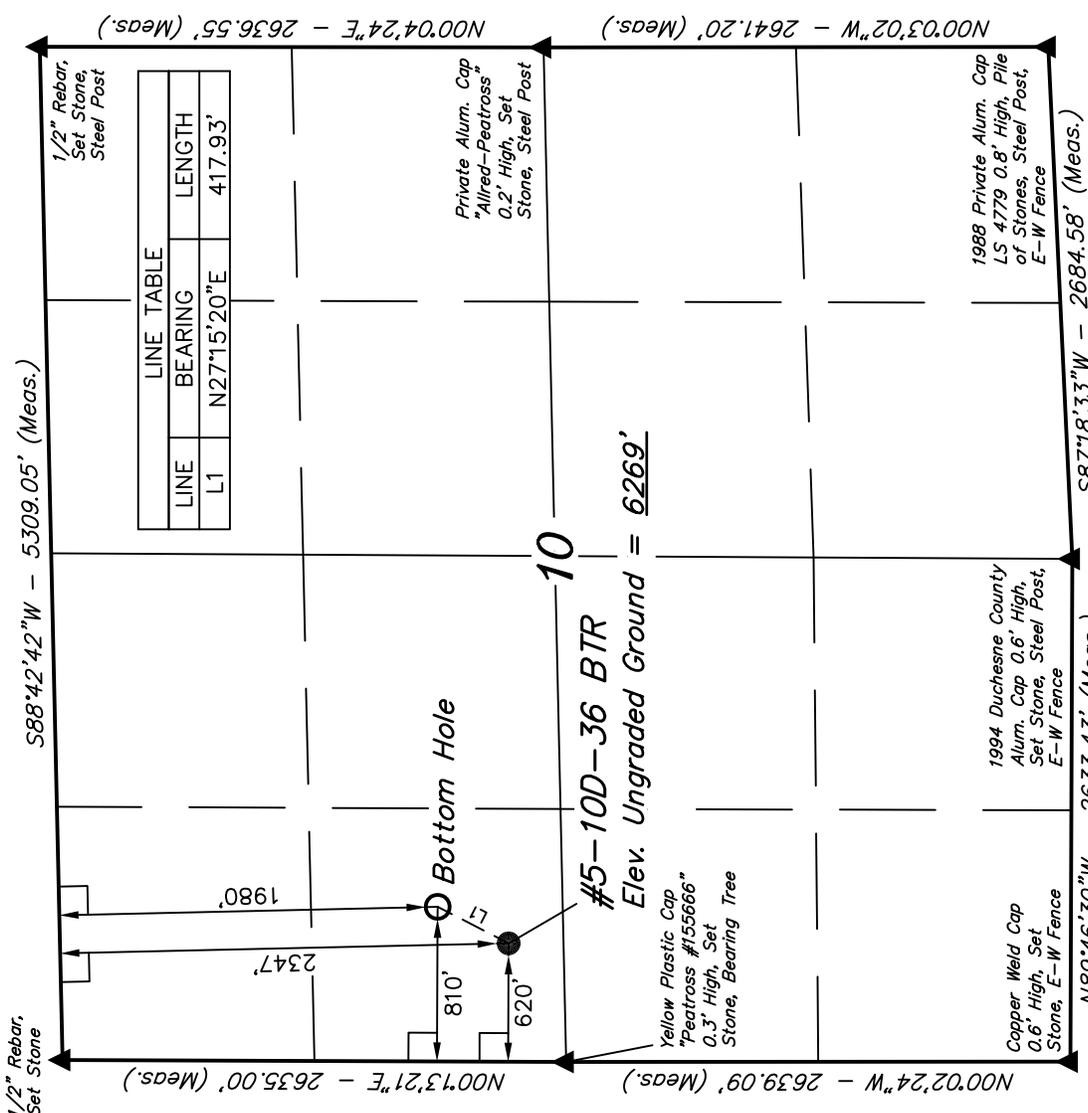
<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (3000' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 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 - (7723' - 3000')</b>	
Tuned Light™ 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: 3,000'
	Calculated Fill: 4,723'
	Volume: 318.70 bbl
	<b>Proposed Sacks: 780 sks</b>
<b>Tail Cement - (11428' - 7723')</b>	
Econocem™ 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: 7,723'
	Calculated Fill: 3,705'
	Volume: 250.03 bbl
	<b>Proposed Sacks: 1000 sks</b>

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

# BILL BARRETT CORPORATION

Well location, #5-10D-36 BTR, located as shown in the SW 1/4 NW 1/4 of Section 10, T3S, R6W, U.S.B.&M., Duchesne County, Utah.

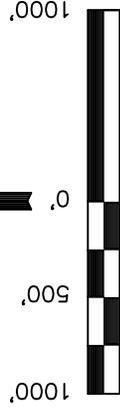


## BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBITT 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.

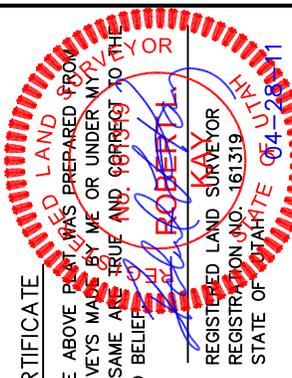
## BASIS OF BEARINGS

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



S C A L E  
C E R T I F I C A T E

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



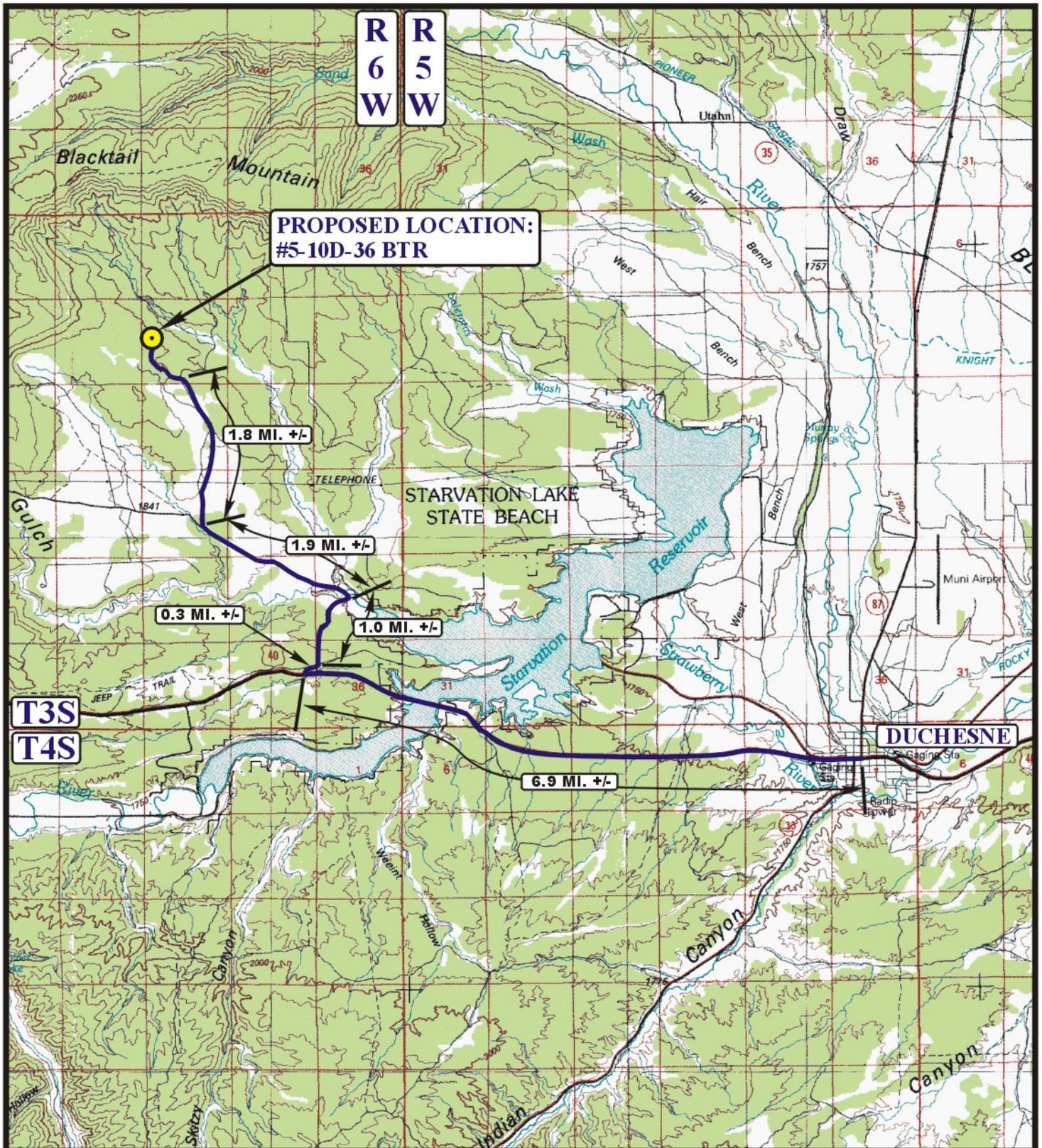
REVISED: 04-27-11

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

SCALE	1" = 1000'	DATE SURVEYED:	02-24-11	DATE DRAWN:	02-28-11
PARTY	T.A. C.W. C.C.	REFERENCES	G.L.O. PLAT		
WEATHER	COLD	FILE	BILL BARRETT CORPORATION		

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°14'09.07"	(40.235853)	LATITUDE = 40°14'05.40"	(40.234833)
LONGITUDE = 110°33'21.42"	(110.555950)	LONGITUDE = 110°33'23.88"	(110.556633)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°14'09.24"	(40.235900)	LATITUDE = 40°14'05.56"	(40.234878)
LONGITUDE = 110°33'18.85"	(110.555236)	LONGITUDE = 110°33'21.32"	(110.555922)



**LEGEND:**

PROPOSED LOCATION



**BILL BARRETT CORPORATION**

**#5-10D-36 BTR**  
**SECTION 10, T3S, R6W, U.S.B.&M.**  
**2347' FNL 620' FWL**



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

**ACCESS ROAD**  
**MAP**

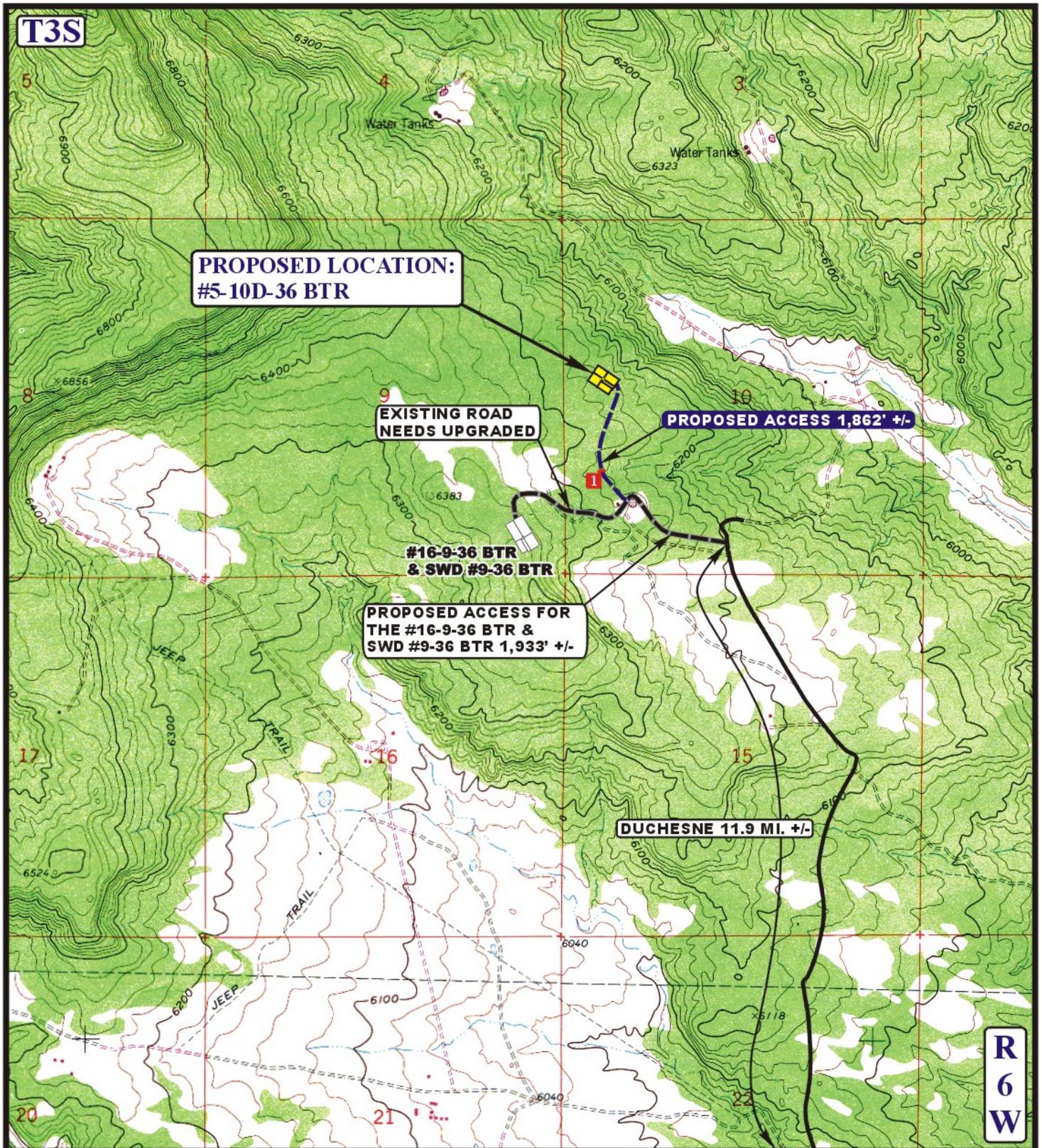
**03 07 11**  
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: S.F.

REVISED: 00-00-00





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING ROAD NEEDS UPGRADED
-  24" CMP REQUIRED

**BILL BARRETT CORPORATION**

**#5-10D-36 BTR**  
**SECTION 10, T3S, R6W, U.S.B. &M.**  
**2347' FNL 620' FWL**



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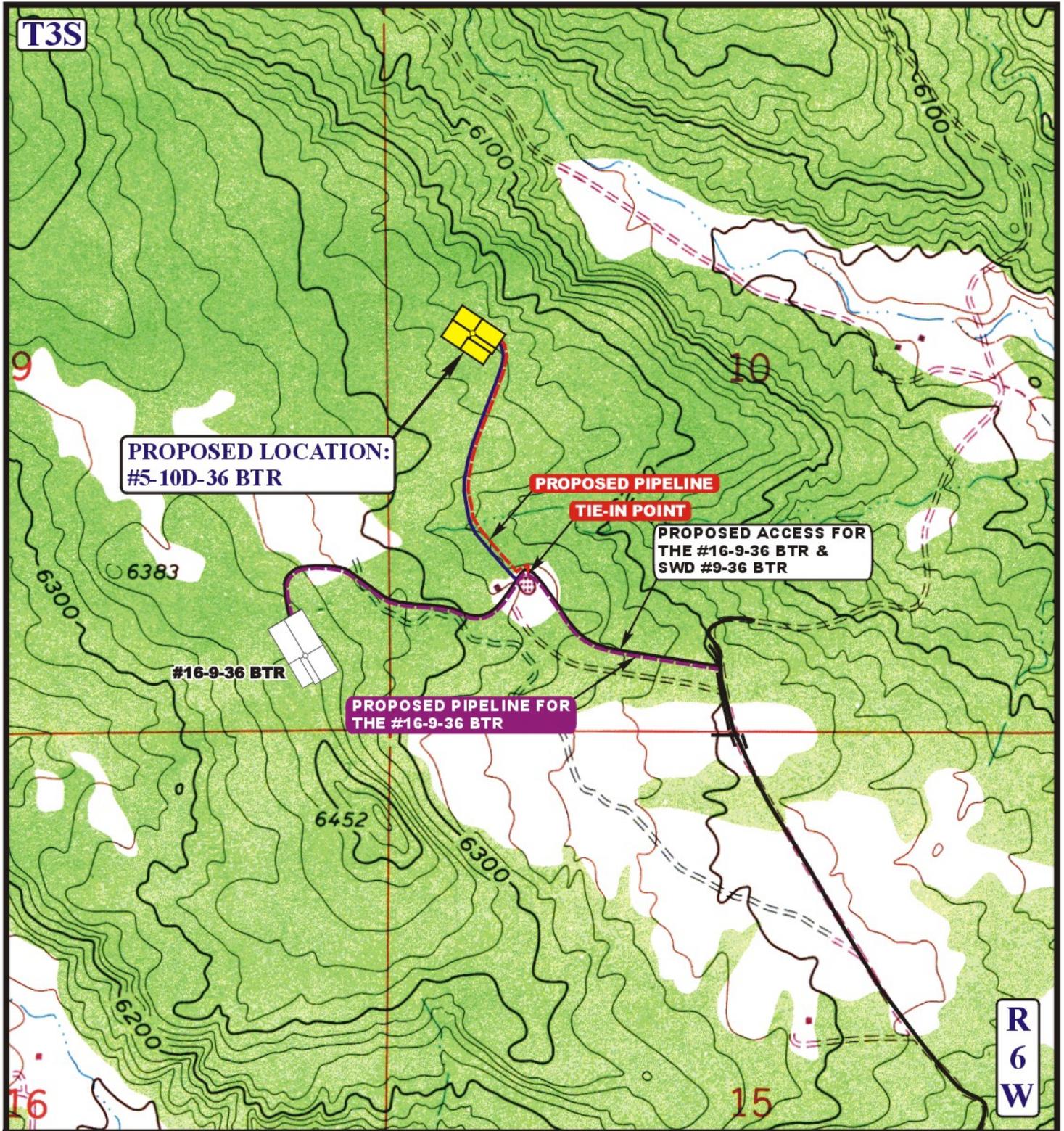


**ACCESS ROAD**  
**MAP**

<b>03</b>	<b>07</b>	<b>11</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000'    DRAWN BY: S.F.    REVISED: 00-00-00

**B**  
**TOPO**



**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,946' +/-**

**LEGEND:**

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



**BILL BARRETT CORPORATION**

**#5-10D-36 BTR**  
**SECTION 10, T3S, R6W, U.S.B. &M.**  
**2347' FNL 620' FWL**



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

**TOPOGRAPHIC**  
**MAP**

**03 07 11**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: S.F. REVISED: 00-00-00



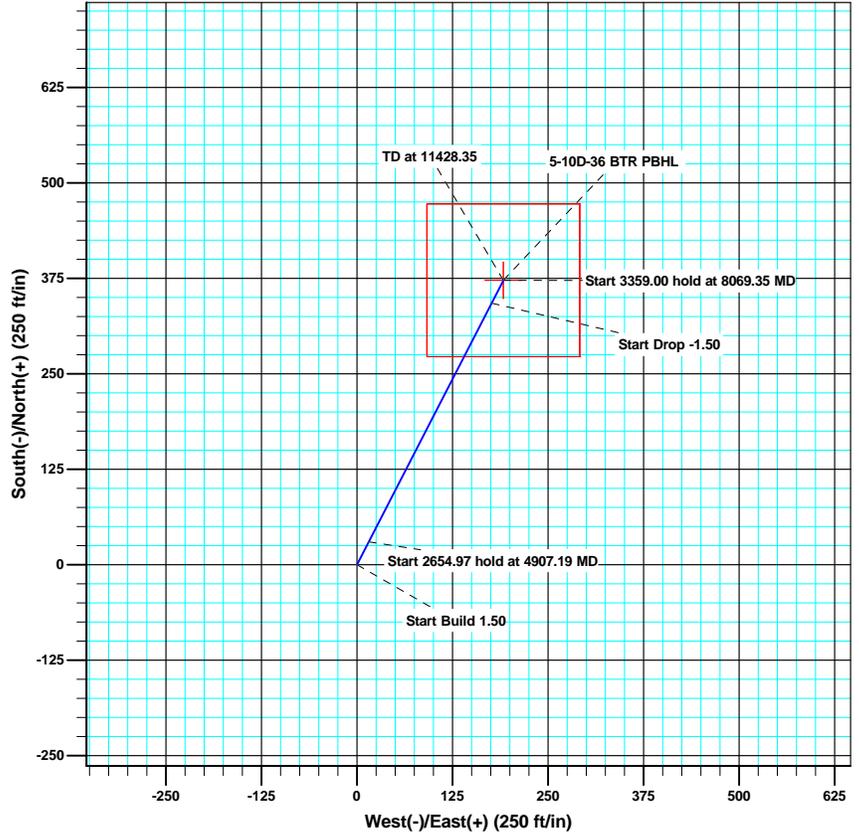
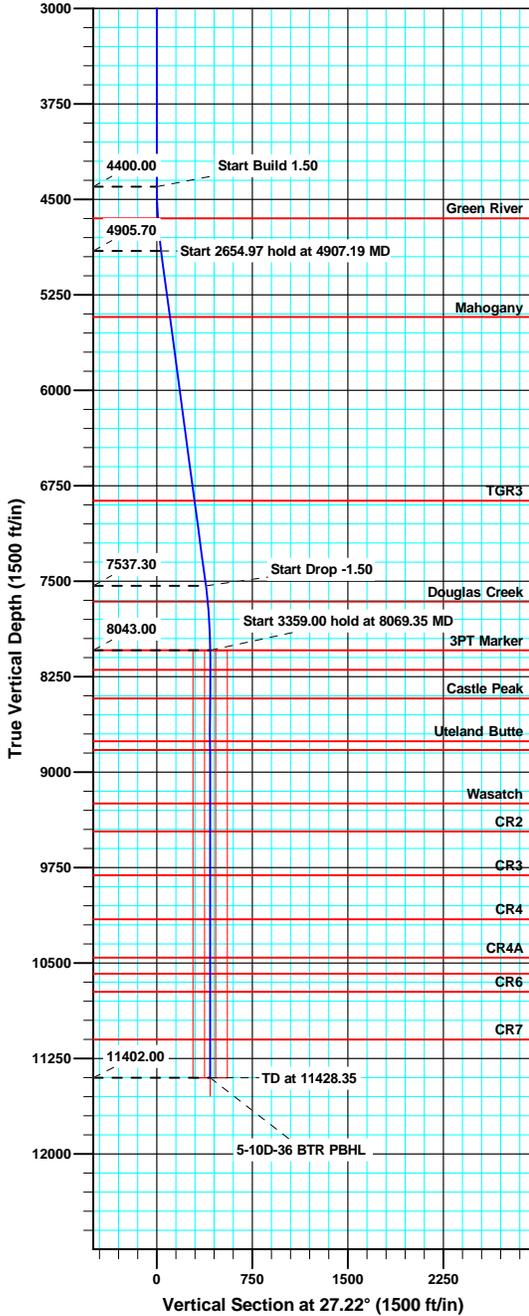
WELL DETAILS: 5-10D-36 BTR

US State Plane 1927 (Exact solution) Utah Central 4302 NAD 1927 (NADCON CONUS)



+N/-S +E/-W Northing Easting Latitude Longitude  
 0.00 0.00 693991.65 2263569.02 40° 14' 5.56 N 110° 33' 21.32 W

Ground Level: 6268.00 Well #1 - 16' KB



Azimuths to True North  
 Magnetic North: 11.55°

Magnetic Field  
 Strength: 52308.0snT  
 Dip Angle: 65.86°  
 Date: 5/5/2011  
 Model: IGRF2010

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V/Sect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	
4907.19	7.61	27.22	4905.70	29.90	15.38	1.50	27.22	33.62	
7562.16	7.61	27.22	7537.30	342.46	176.17	0.00	0.00	385.12	
8069.35	0.00	0.00	8043.00	372.36	191.55	1.50	180.00	418.74	5-10D-36 BTR Target
11428.35	0.00	0.00	11402.00	372.36	191.55	0.00	0.00	418.74	5-10D-36 BTR PBHL



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6284.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6284.00ft
<b>Site:</b>	5-10D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

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

<b>Site</b>	5-10D-36 BTR				
<b>Site Position:</b>	<b>Northing:</b>	693,991.65 usft	<b>Latitude:</b>	40° 14' 5.56 N	
<b>From:</b> Lat/Long	<b>Easting:</b>	2,263,569.03 usft	<b>Longitude:</b>	110° 33' 21.32 W	
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b>	0.60 °

<b>Well</b>	Well #1 - 16' KB					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	693,991.65 usft	<b>Latitude:</b>	40° 14' 5.56 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,263,569.03 usft	<b>Longitude:</b>	110° 33' 21.32 W
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	6,268.00 ft	

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/5/2011	11.55	65.86	52,308

<b>Design</b>	plan1 05may11 rbw			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	27.22

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,907.19	7.61	27.22	4,905.70	29.90	15.38	1.50	1.50	0.00	27.22	
7,562.16	7.61	27.22	7,537.30	342.46	176.17	0.00	0.00	0.00	0.00	
8,069.35	0.00	0.00	8,043.00	372.36	191.55	1.50	-1.50	0.00	180.00	5-10D-36 BTR Target
11,428.35	0.00	0.00	11,402.00	372.36	191.55	0.00	0.00	0.00	0.00	5-10D-36 BTR PBHL

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6284.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6284.00ft
<b>Site:</b>	5-10D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Start Build 1.50</b>										
4,500.00	1.50	27.22	4,499.99	1.16	0.60	1.31	1.50	1.50	0.00	
4,600.00	3.00	27.22	4,599.91	4.65	2.39	5.23	1.50	1.50	0.00	
4,649.18	3.74	27.22	4,649.00	7.22	3.72	8.12	1.50	1.50	0.00	
<b>Green River</b>										
4,700.00	4.50	27.22	4,699.69	10.47	5.39	11.77	1.50	1.50	0.00	
4,800.00	6.00	27.22	4,799.27	18.61	9.57	20.92	1.50	1.50	0.00	
4,900.00	7.50	27.22	4,898.57	29.06	14.95	32.68	1.50	1.50	0.00	
4,907.19	7.61	27.22	4,905.70	29.90	15.38	33.62	1.50	1.50	0.00	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6284.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6284.00ft
<b>Site:</b>	5-10D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
<b>Start 2654.97 hold at 4907.19 MD</b>										
5,000.00	7.61	27.22	4,997.69	40.83	21.00	45.91	0.00	0.00	0.00	
5,100.00	7.61	27.22	5,096.81	52.60	27.06	59.15	0.00	0.00	0.00	
5,200.00	7.61	27.22	5,195.93	64.37	33.11	72.39	0.00	0.00	0.00	
5,300.00	7.61	27.22	5,295.05	76.14	39.17	85.63	0.00	0.00	0.00	
5,400.00	7.61	27.22	5,394.17	87.92	45.23	98.87	0.00	0.00	0.00	
5,431.10	7.61	27.22	5,425.00	91.58	47.11	102.98	0.00	0.00	0.00	
<b>Mahogany</b>										
5,500.00	7.61	27.22	5,493.29	99.69	51.28	112.11	0.00	0.00	0.00	
5,600.00	7.61	27.22	5,592.41	111.46	57.34	125.35	0.00	0.00	0.00	
5,700.00	7.61	27.22	5,691.53	123.24	63.39	138.59	0.00	0.00	0.00	
5,800.00	7.61	27.22	5,790.65	135.01	69.45	151.82	0.00	0.00	0.00	
5,900.00	7.61	27.22	5,889.77	146.78	75.51	165.06	0.00	0.00	0.00	
6,000.00	7.61	27.22	5,988.89	158.55	81.56	178.30	0.00	0.00	0.00	
6,100.00	7.61	27.22	6,088.01	170.33	87.62	191.54	0.00	0.00	0.00	
6,200.00	7.61	27.22	6,187.13	182.10	93.68	204.78	0.00	0.00	0.00	
6,300.00	7.61	27.22	6,286.25	193.87	99.73	218.02	0.00	0.00	0.00	
6,400.00	7.61	27.22	6,385.37	205.64	105.79	231.26	0.00	0.00	0.00	
6,500.00	7.61	27.22	6,484.49	217.42	111.84	244.50	0.00	0.00	0.00	
6,600.00	7.61	27.22	6,583.61	229.19	117.90	257.74	0.00	0.00	0.00	
6,700.00	7.61	27.22	6,682.73	240.96	123.96	270.98	0.00	0.00	0.00	
6,800.00	7.61	27.22	6,781.85	252.74	130.01	284.22	0.00	0.00	0.00	
6,886.92	7.61	27.22	6,868.00	262.97	135.28	295.72	0.00	0.00	0.00	
<b>TGR3</b>										
6,900.00	7.61	27.22	6,880.97	264.51	136.07	297.46	0.00	0.00	0.00	
7,000.00	7.61	27.22	6,980.09	276.28	142.12	310.69	0.00	0.00	0.00	
7,100.00	7.61	27.22	7,079.21	288.05	148.18	323.93	0.00	0.00	0.00	
7,200.00	7.61	27.22	7,178.33	299.83	154.24	337.17	0.00	0.00	0.00	
7,300.00	7.61	27.22	7,277.45	311.60	160.29	350.41	0.00	0.00	0.00	
7,400.00	7.61	27.22	7,376.57	323.37	166.35	363.65	0.00	0.00	0.00	
7,500.00	7.61	27.22	7,475.69	335.15	172.41	376.89	0.00	0.00	0.00	
7,562.16	7.61	27.22	7,537.30	342.46	176.17	385.12	0.00	0.00	0.00	
<b>Start Drop -1.50</b>										
7,600.00	7.04	27.22	7,574.83	346.75	178.38	389.94	1.50	-1.50	0.00	
7,686.71	5.74	27.22	7,661.00	355.33	182.79	399.59	1.50	-1.50	0.00	
<b>Douglas Creek</b>										
7,700.00	5.54	27.22	7,674.23	356.50	183.39	400.90	1.50	-1.50	0.00	
7,800.00	4.04	27.22	7,773.87	363.92	187.21	409.25	1.50	-1.50	0.00	
7,900.00	2.54	27.22	7,873.71	369.03	189.83	414.99	1.50	-1.50	0.00	
8,000.00	1.04	27.22	7,973.66	371.80	191.26	418.11	1.50	-1.50	0.00	
8,069.35	0.00	0.00	8,043.00	372.36	191.55	418.74	1.50	-1.50	0.00	
<b>Start 3359.00 hold at 8069.35 MD - 3PT Marker</b>										
8,100.00	0.00	0.00	8,073.65	372.36	191.55	418.74	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,173.65	372.36	191.55	418.74	0.00	0.00	0.00	
8,223.35	0.00	0.00	8,197.00	372.36	191.55	418.74	0.00	0.00	0.00	
<b>Black Shale</b>										
8,300.00	0.00	0.00	8,273.65	372.36	191.55	418.74	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,373.65	372.36	191.55	418.74	0.00	0.00	0.00	
8,447.35	0.00	0.00	8,421.00	372.36	191.55	418.74	0.00	0.00	0.00	
<b>Castle Peak</b>										
8,500.00	0.00	0.00	8,473.65	372.36	191.55	418.74	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,573.65	372.36	191.55	418.74	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,673.65	372.36	191.55	418.74	0.00	0.00	0.00	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6284.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6284.00ft
<b>Site:</b>	5-10D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,783.35	0.00	0.00	8,757.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>Uteland Butte</b>									
8,800.00	0.00	0.00	8,773.65	372.36	191.55	418.74	0.00	0.00	0.00
8,852.35	0.00	0.00	8,826.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR1</b>									
8,900.00	0.00	0.00	8,873.65	372.36	191.55	418.74	0.00	0.00	0.00
9,000.00	0.00	0.00	8,973.65	372.36	191.55	418.74	0.00	0.00	0.00
9,100.00	0.00	0.00	9,073.65	372.36	191.55	418.74	0.00	0.00	0.00
9,200.00	0.00	0.00	9,173.65	372.36	191.55	418.74	0.00	0.00	0.00
9,272.35	0.00	0.00	9,246.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>Wasatch</b>									
9,300.00	0.00	0.00	9,273.65	372.36	191.55	418.74	0.00	0.00	0.00
9,400.00	0.00	0.00	9,373.65	372.36	191.55	418.74	0.00	0.00	0.00
9,493.35	0.00	0.00	9,467.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR2</b>									
9,500.00	0.00	0.00	9,473.65	372.36	191.55	418.74	0.00	0.00	0.00
9,600.00	0.00	0.00	9,573.65	372.36	191.55	418.74	0.00	0.00	0.00
9,700.00	0.00	0.00	9,673.65	372.36	191.55	418.74	0.00	0.00	0.00
9,800.00	0.00	0.00	9,773.65	372.36	191.55	418.74	0.00	0.00	0.00
9,836.35	0.00	0.00	9,810.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR3</b>									
9,900.00	0.00	0.00	9,873.65	372.36	191.55	418.74	0.00	0.00	0.00
10,000.00	0.00	0.00	9,973.65	372.36	191.55	418.74	0.00	0.00	0.00
10,100.00	0.00	0.00	10,073.65	372.36	191.55	418.74	0.00	0.00	0.00
10,183.35	0.00	0.00	10,157.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR4</b>									
10,200.00	0.00	0.00	10,173.65	372.36	191.55	418.74	0.00	0.00	0.00
10,300.00	0.00	0.00	10,273.65	372.36	191.55	418.74	0.00	0.00	0.00
10,400.00	0.00	0.00	10,373.65	372.36	191.55	418.74	0.00	0.00	0.00
10,484.35	0.00	0.00	10,458.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR4A</b>									
10,500.00	0.00	0.00	10,473.65	372.36	191.55	418.74	0.00	0.00	0.00
10,600.00	0.00	0.00	10,573.65	372.36	191.55	418.74	0.00	0.00	0.00
10,611.35	0.00	0.00	10,585.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR5</b>									
10,700.00	0.00	0.00	10,673.65	372.36	191.55	418.74	0.00	0.00	0.00
10,753.35	0.00	0.00	10,727.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR6</b>									
10,800.00	0.00	0.00	10,773.65	372.36	191.55	418.74	0.00	0.00	0.00
10,900.00	0.00	0.00	10,873.65	372.36	191.55	418.74	0.00	0.00	0.00
11,000.00	0.00	0.00	10,973.65	372.36	191.55	418.74	0.00	0.00	0.00
11,100.00	0.00	0.00	11,073.65	372.36	191.55	418.74	0.00	0.00	0.00
11,128.35	0.00	0.00	11,102.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>CR7</b>									
11,200.00	0.00	0.00	11,173.65	372.36	191.55	418.74	0.00	0.00	0.00
11,300.00	0.00	0.00	11,273.65	372.36	191.55	418.74	0.00	0.00	0.00
11,400.00	0.00	0.00	11,373.65	372.36	191.55	418.74	0.00	0.00	0.00
11,428.35	0.00	0.00	11,402.00	372.36	191.55	418.74	0.00	0.00	0.00
<b>TD at 11428.35</b>									

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Well #1 - 16' KB
<b>Company:</b>	Bill Barrett Corp.	<b>TVD Reference:</b>	KB @ 6284.00ft
<b>Project:</b>	Duchesne County, UT [NAD27]	<b>MD Reference:</b>	KB @ 6284.00ft
<b>Site:</b>	5-10D-36 BTR	<b>North Reference:</b>	True
<b>Well:</b>	Well #1 - 16' KB	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	plan1 05may11 rbw		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
5-10D-36 BTR Target - plan hits target center - Point	0.00	0.00	8,043.00	372.36	191.55	694,366.01	2,263,756.63	40° 14' 9.24 N	110° 33' 18.85 W
5-10D-36 BTR PBHL - plan hits target center - Rectangle (sides W200.00 H200.00 D3,359.00)	0.00	0.00	11,402.00	372.36	191.55	694,366.01	2,263,756.63	40° 14' 9.24 N	110° 33' 18.85 W

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
4,649.18	4,649.00	Green River		0.00	
5,431.10	5,425.00	Mahogany		0.00	
6,886.92	6,868.00	TGR3		0.00	
7,686.71	7,661.00	Douglas Creek		0.00	
8,069.35	8,043.00	3PT Marker		0.00	
8,223.35	8,197.00	Black Shale		0.00	
8,447.35	8,421.00	Castle Peak		0.00	
8,783.35	8,757.00	Uteland Butte		0.00	
8,852.35	8,826.00	CR1		0.00	
9,272.35	9,246.00	Wasatch		0.00	
9,493.35	9,467.00	CR2		0.00	
9,836.35	9,810.00	CR3		0.00	
10,183.35	10,157.00	CR4		0.00	
10,484.35	10,458.00	CR4A		0.00	
10,611.35	10,585.00	CR5		0.00	
10,753.35	10,727.00	CR6		0.00	
11,128.35	11,102.00	CR7		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
		(ft)	(ft)	
4,400.00	4,400.00	0.00	0.00	Start Build 1.50
4,907.19	4,905.70	29.90	15.38	Start 2654.97 hold at 4907.19 MD
7,562.16	7,537.30	342.46	176.17	Start Drop -1.50
8,069.35	8,043.00	372.36	191.55	Start 3359.00 hold at 8069.35 MD
11,428.35	11,402.00	372.36	191.55	TD at 11428.35

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

This Agreement, made and entered into this the 25th day of March, 2011, by and between Jim R. Herron and Annette S. Herron, husband and wife, PO Box 1082, Thayne, WY 83127-1082 (“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 All 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,

BBC shall maintain all roads used pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads.

Surface Owner and their heirs or assigns shall have full access and use of the road built pursuant to this Agreement.

Notwithstanding the compensation set forth above, which is acknowledged as sufficient to constitute full satisfaction for all surface damages caused or created by the reasonable and customary entry, rights-of-way, easements and use of the Subject Lands for operations, BBC shall also compensate Surface Owner for all other surface damages suffered by Surface Owner, including without limitation, damages to: buildings or improvements; injuries to persons; and Surface Owner's water wells, creeks, reservoirs and springs, as caused by the negligence of BBC and its employees, agents, and

contractors, and for damages caused by fires, spills, discharges, leaks, releases and pipeline breaks resulting for BBC's operations on the Subject Lands.

BBC agrees to use reasonable means to prevent washes, erosion, run-off problems, ruts or other surface damage. BBC shall monitor and promptly correct any erosion caused by BBC's activities. BBC shall supply dust suppression when reasonable necessary.

Neither BBC, nor its agents or contractors, shall have the right to stack or store rigs or other equipment, supplies, or parts on the Subject Lands, except during drilling, reworking, installation or construction operations.

BBC shall not cause to be constructed any living quarters of the Subject Lands with the exception of facilities for necessary personnel, including but not limited to, geologists, drilling experts/consultants, and chemical experts/consultants, during actual drilling operations. If BBC does construct these facilities, BBC shall ensure that any sewage produced is properly disposed of away from the Subject Lands and that the area is kept clean and drug and alcohol free.

BBC, at its sole cost and expense, shall undertake reasonable efforts necessary to control the germination, growth and spread of noxious weeds (as the same are designated by the State of Utah and/or Duchesne County, Utah), and other nuisance weeds, including without limitation, cattails and fox grasses, on the Subject Lands.

BBC shall not permit its agents or employees to possess or be under the influence of alcohol or controlled substances, or to possess firearms, crossbows, or other weapons, or to hunt while on the Subject Land. No recreational use, including but not limited to, camping, hunting, fishing, foot traffic, artifact, fossil, or antler hunting or similar activities are allowed at any time by BBC or BBC's representatives while on the Subject Lands. The failure of BBC and/or its agents and/or employees to comply with this paragraph shall entitle Surface Owner to treat the violating party as a trespasser on the Subject Lands.

Surface Owner and BBC recognize that groundwater may be produced and discharged during BBC's operations, and the Parties desire to put such produced groundwater to its maximum beneficial use when it is discharged. Discharge shall not adversely affect the quality of the water in reservoirs or water courses on the surface of the Subject Lands.

This Agreement shall inure to the benefit of the parties hereto, their heirs, successors and assigns and shall be a burden running with the land.

This Agreement may be executed in any number of counterparts and all such counterparts shall be deemed to constitute a single Agreement and the execution of one counterpart by any party hereto shall have the same force and effect as if said party had signed all other counterparts.

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 25th day of March, 2011.

SURFACE OWNERS:

BILL BARRETT CORPORATION

By: Jim R. Herron  
Jim R. Herron

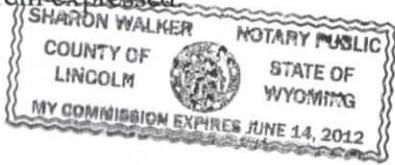
By: [Signature]  
As Agent for Bill Barrett Corporation

By: Annette S. Herron  
Annette S. Herron

STATE OF WYOMING     )  
                                          )

COUNTY OF Lincoln )

On the 1<sup>st</sup> day of July, 2011, personally appeared before me Jim R. Herron and Annette S. Herron, 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.



Sharon Walker  
Notary Public  
Residing at: Afton, WY

My Commission Expires: 6-14-2012

STATE OF UTAH )  
 )  
COUNTY OF SALT LAKE )

On the 18<sup>th</sup> day of August, 2011, 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.

Tiffany Rowberry  
Notary Public  
Residing at: 1044 Sandy Utah

My Commission Expires: 10/19/2014



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

This Agreement, made and entered into this the 25th day of March, 2011, by and between Little Red Creek Cattle Company, LLC, PO Box 332, Tabiona, UT 84072 ("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 All 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 #5-10D-36 BTR well at a legal drill-site location in the SW1/4NW1/4 and the NW1/4SW1/4 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 W1/2SW1/4 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,

BBC shall maintain all roads used pursuant to this Agreement and shall install culverts where necessary to insure adequate drainage from all roads.

Surface Owner and their heirs or assigns shall have full access and use of the road built pursuant to this Agreement.

This Agreement shall inure to the benefit of the parties hereto, their heirs, successors and assigns and shall be a burden running with the land.

This Agreement may be executed in any number of counterparts and all such counterparts shall be deemed to constitute a single Agreement and the execution of one counterpart by any party hereto shall have the same force and effect as if said party had signed all other counterparts.

IN WITNESS WHEREOF, the parties have executed this Surface Damage Settlement Agreement effective as of the 24th day of March, 2011.

SURFACE OWNERS:  
LITTLE RED CREEK CATTLE  
COMPANY, LLC

BILL BARRETT CORPORATION

By: [Signature]  
Gary Stringham, Manager

By: [Signature]  
As Agent for Bill Barrett Corporation

STATE OF UTAH )  
                                          )  
COUNTY OF                                            )

On the 15<sup>th</sup> day of April, 2011, personally appeared before me \_\_\_\_\_  
Gary Stringham, as Manager of Little Red Creek Cattle Company, LLC known to me to  
be the persons whose name is subscribed to the foregoing instrument and acknowledged  
to me that he executed the same for the purpose and consideration therein expressed.

[Signature]  
Notary Public  
Residing at: Duchesne UT.

My Commission Expires: 1.6.2015

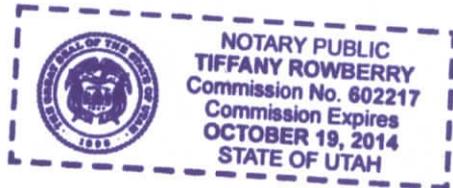


STATE OF UTAH )  
                                          )  
COUNTY OF SALT LAKE )

On the 18<sup>th</sup> day of August, 2011, 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.

[Signature]  
Notary Public  
Residing at: Sandy, Utah

My Commission Expires: 10/19/2014



**SURFACE USE PLAN**

BILL BARRETT CORPORATION

**5-10D-36 BTR Well Pad**

SW NW, 2347' FNL and 620' FWL, Section 10, T3S-R6W, USB&M (surface hole)

SW NW, 1980' FNL and 810' FWL, Section 10, T3S-R6W, USB&M (bottom hole)

Duchesne County, Utah

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The onsite inspection for this pad occurred on September 7, 2011. Site specific notes, conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

- a. 16 mil minimum liner thickness required;
- b. Production equipment to be located near the pad entrance to maximize interim reclamation;
- c. utilize wood and slash for reclamation;
- d. Fill over sandstone cap rock to minimize sandstone ripping;

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 12.6 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 Utah Department of Transportation maintained Highway 40 would be utilized for 6.9 miles to the existing Duchesne County maintained Koch Road that would be utilized for 3.2 miles to the Bill Barrett Corporation maintained 15-10-36 BTR access that would be utilized for 1.8 miles and provides access to the planned new access road.
- 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.

Bill Barrett Corporation  
Surface Use Plan  
#5-10D-36 BTR  
Duchesne County, UT

- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 1,862 feet of new access road trending northwest is planned from the existing 16-9-36 BTR access road that continues an additional 1,933 feet to the existing 5-10-36 BTR access road across entirely private surface (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- 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.

Bill Barrett Corporation  
Surface Use Plan  
#5-10D-36 BTR  
Duchesne County, UT

- h. Turnouts are not proposed.
- i. One 24-inch culvert and no 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 adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
- 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 one
  - iv. drilling wells none
  - v. temp shut-in wells none
  - vi. producing wells two
  - vii. abandoned wells six

4. Location of Production Facilities

- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
- b. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift 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 or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines.

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If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.

- 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 1,946 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southeast to the existing 16-9-36 BTR pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC and El Paso wells. The pipeline crosses entirely private surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. 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.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors.

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 #5-10D-36 BTR  
 Duchesne County, UT

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.

- k. 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.
- l. 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. Water for the drilling and completion would be trucked from any of the following locations:

Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

Bill Barrett Corporation  
 Surface Use Plan  
 #5-10D-36 BTR  
 Duchesne County, UT

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 the lease or EDA area.
- 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 would be lined with 16 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:

<b>Disposal Facilities</b>
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

Bill Barrett Corporation  
 Surface Use Plan  
 #5-10D-36 BTR  
 Duchesne County, UT

<b>Disposal Facilities</b>
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

- 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’ 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,

Bill Barrett Corporation  
Surface Use Plan  
#5-10D-36 BTR  
Duchesne County, UT

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.
- c. A surface powerline corridor is not proposed at this time but may be applied for in the future.

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 and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 300 feet with an inboard reserve pit size of 205 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. 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.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. 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

Bill Barrett Corporation  
Surface Use Plan  
#5-10D-36 BTR  
Duchesne County, UT

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.

- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- k. 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. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency or the fee landowners.
- b. 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.
- c. 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 and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. 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 the Ute Tribe specified seed mix.

Bill Barrett Corporation  
Surface Use Plan  
#5-10D-36 BTR  
Duchesne County, UT

- 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 Ute Tribe 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 –
  - Portion of the pad area, access, pipeline and powerline corridors:
    - Little Red Creek Cattle Co. LLC
    - Jim R. & Annette S. Herron
- 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 report 11-036 dated June 10, 2011.
- 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.
- d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		4.976	acres
Access	1,862 feet	1.283	acres
Pipeline	1,946 feet	1.340	acres

**Total            7.599    acres**

Bill Barrett Corporation  
Surface Use Plan  
#5-10D-36 BTR  
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

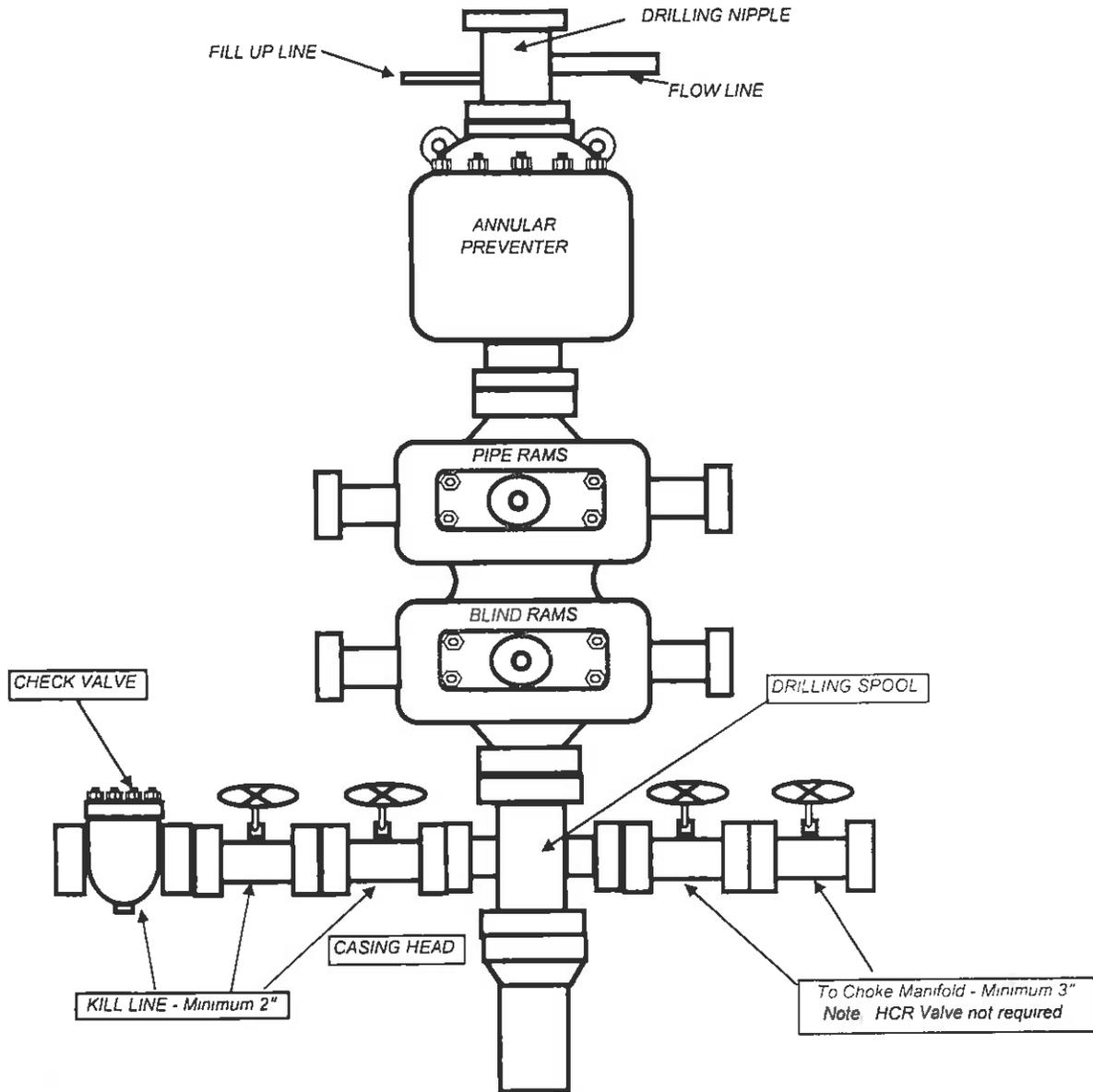
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made 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                    19<sup>th</sup> day of September 2011  
Name:                                Venessa Langmacher  
Position Title:                    Senior Permit Analyst  
Address:                            1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202  
Telephone:                        303-312-8172  
E-mail:                              vlangmacher@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

Venessa Langmacher  
Venessa Langmacher, Senior Permit Analyst

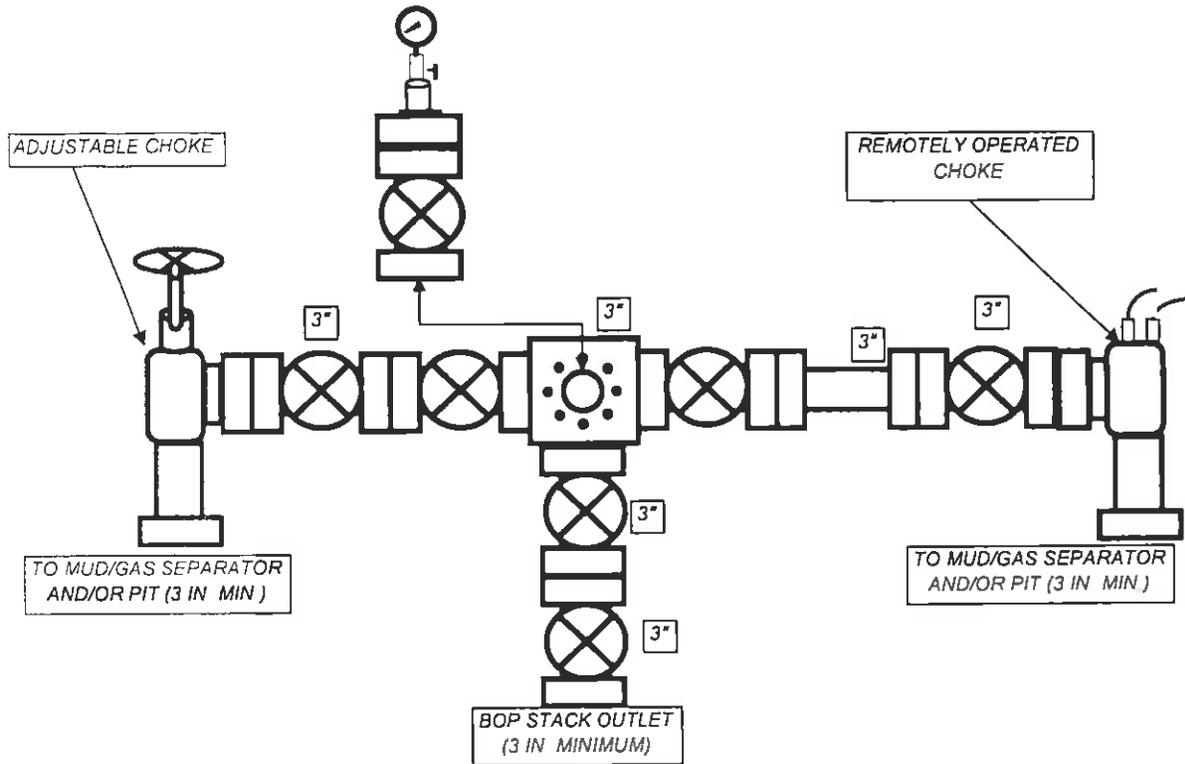
# BILL BARRETT CORPORATION

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



# BILL BARRETT CORPORATION

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





September 19, 2011

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

Re: Directional Drilling R649-3-11  
**Blacktail Ridge Area #5-10D-36 BTR Well**  
Surface: 2,347' FNL & 620' FWL, SWNW, 10-T3S-R6W, USM  
Bottom Hole: 1,980' FNL & 810' FWL, SWNW, 10-T3S-R6W, USM  
Duchesne County, Utah

Dear Ms. Mason,

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

- The proposed location is within our Blacktail Ridge Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under an Exploration and Development Agreement between the Ute Indian Tribe and Ute Distribution Corporation. Ute Energy, LLC owns a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Ute Energy, LLC, we own 100% of the working interest in these lands.

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

Sincerely,

A handwritten signature in blue ink that reads 'David Watts'.

David Watts *for*  
Landman

1099 18<sup>TH</sup> STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

# BILL BARRETT CORPORATION

## LOCATION LAYOUT FOR

#5-10D-36 BTR  
SECTION 10, T3S, R6W, U.S.B.&M.  
2347' FNL 620' FWL

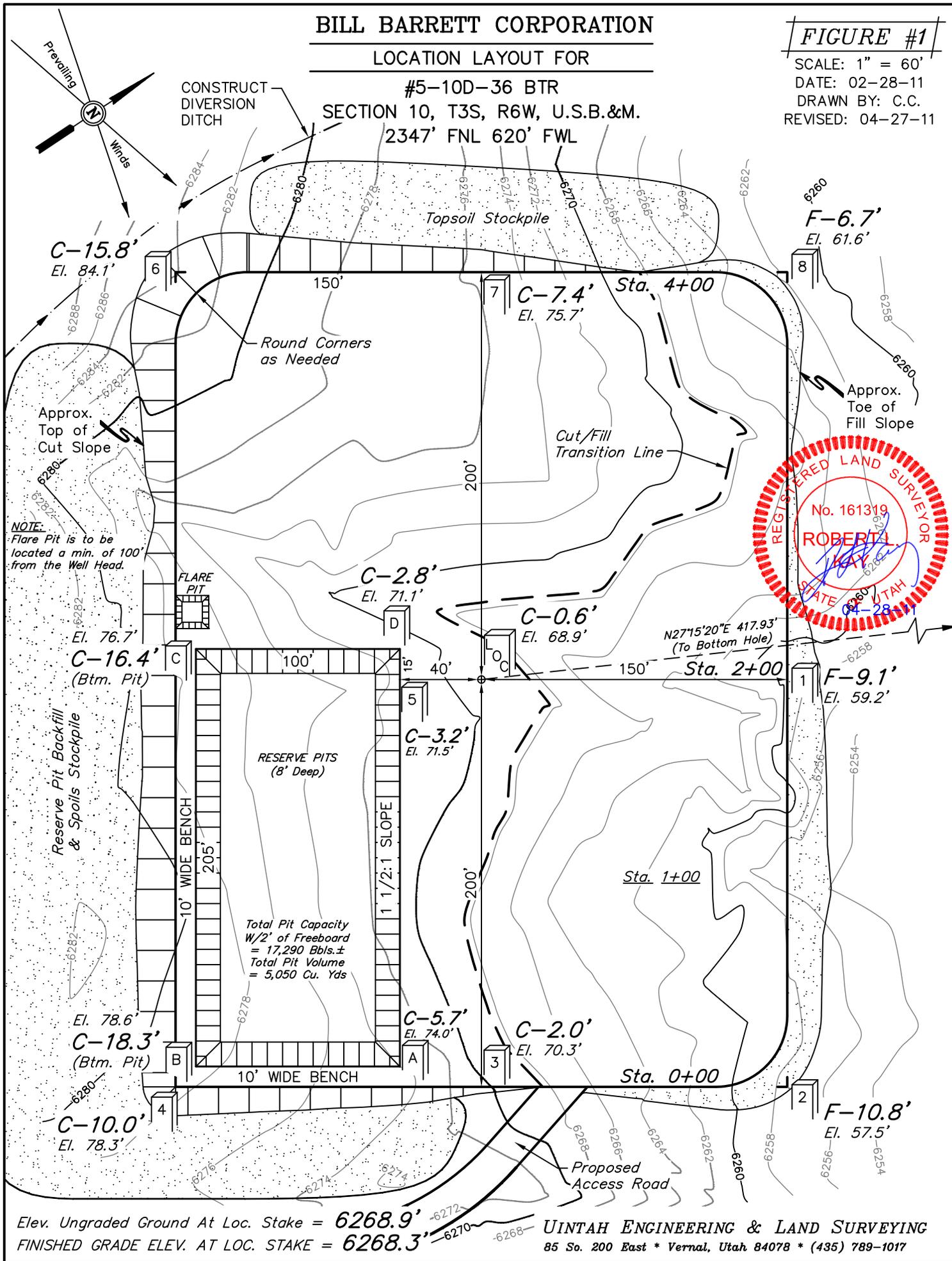
FIGURE #1

SCALE: 1" = 60'

DATE: 02-28-11

DRAWN BY: C.C.

REVISED: 04-27-11



Elev. Ungraded Ground At Loc. Stake = 6268.9'  
FINISHED GRADE ELEV. AT LOC. STAKE = 6268.3'

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

RECEIVED: September 19, 2011

**BILL BARRETT CORPORATION**

**TYPICAL CROSS SECTIONS FOR**

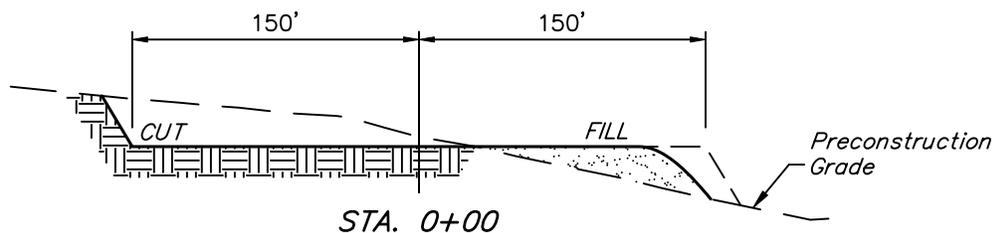
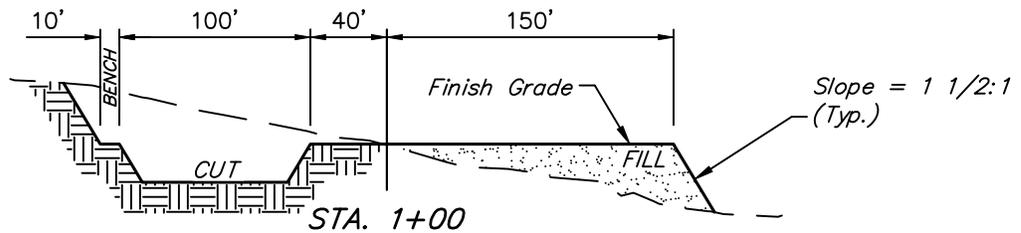
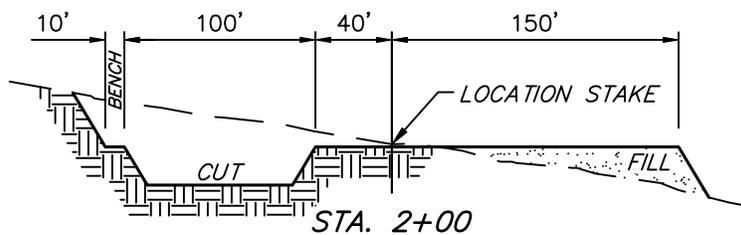
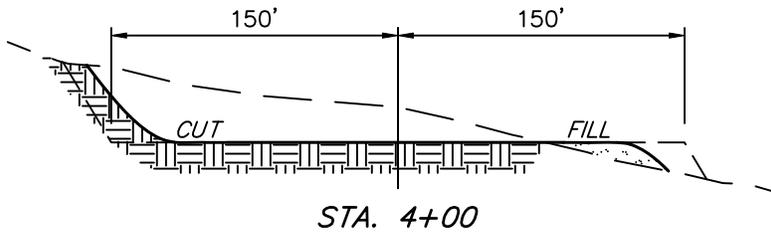
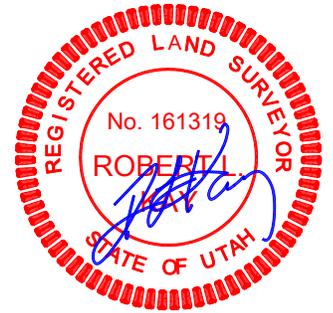
**#5-10D-36 BTR**

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

**2347' FNL 620' FWL**

**FIGURE #2**

1" = 40'  
 X-Section Scale  
 1" = 100'  
 DATE: 02-28-11  
 DRAWN BY: C.C.



**NOTE:**

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

\* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	2,630 Cu. Yds.
Remaining Location	=	21,950 Cu. Yds.
<b>TOTAL CUT</b>	=	<b>24,580 CU.YDS.</b>
<b>FILL</b>	=	<b>8,790 CU.YDS.</b>

EXCESS MATERIAL	=	15,790 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	5,160 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	10,630 Cu. Yds.

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

**RECEIVED: September 19, 2011**

# BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

#5-10D-36 BTR

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

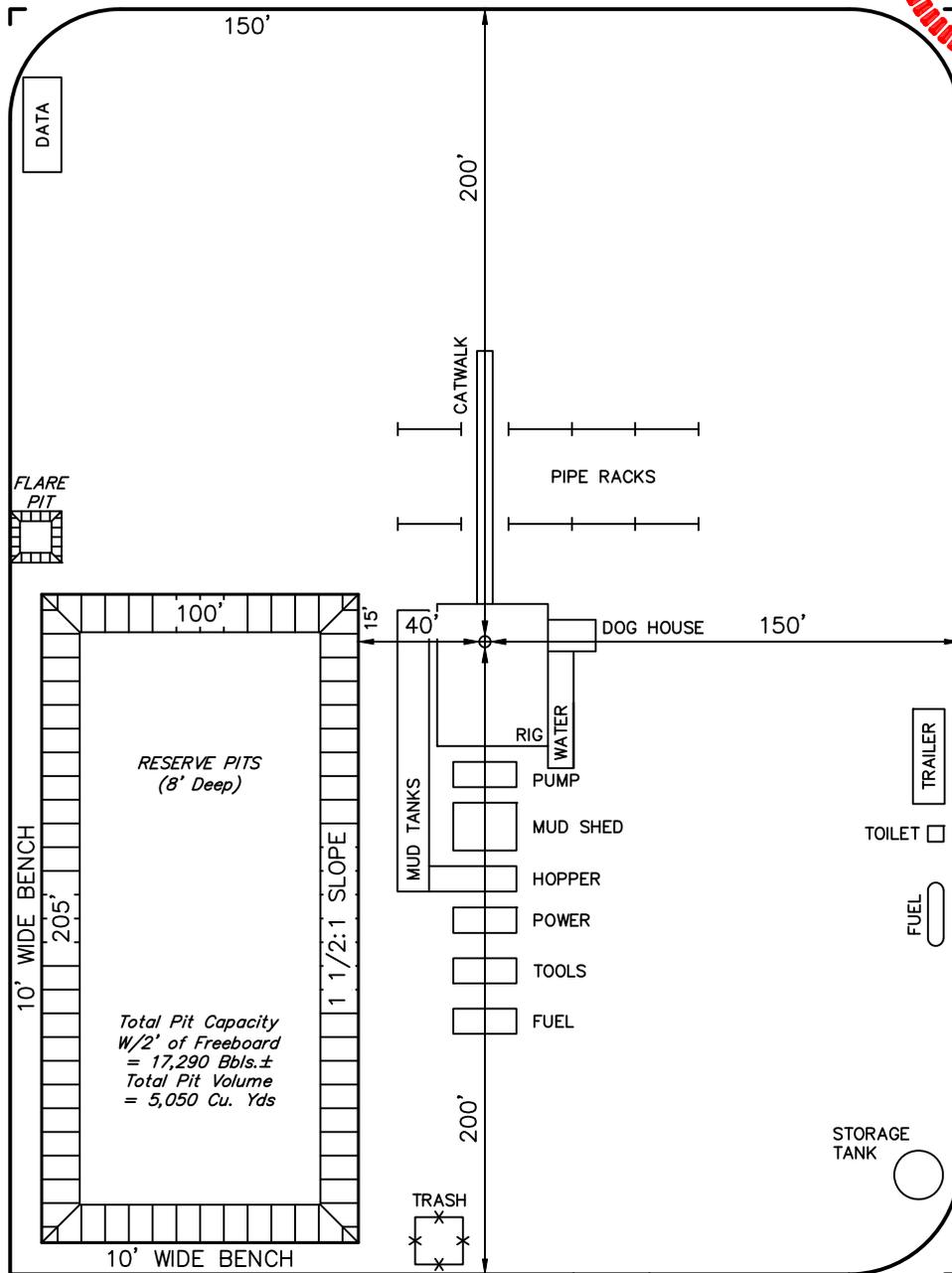
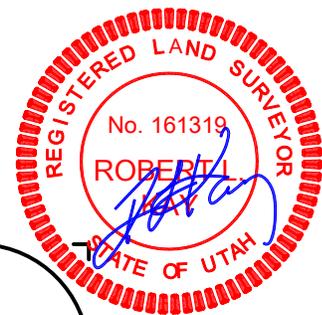
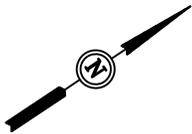
2347' FNL 620' FWL

FIGURE #3

SCALE: 1" = 60'

DATE: 02-28-11

DRAWN BY: C.C.



Proposed Access Road

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

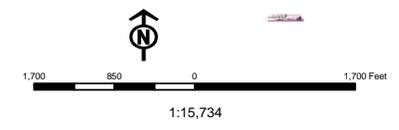
RECEIVED: September 19, 2011



**API Number: 4301350978**  
**Well Name: 5-10D-36 BTR**  
 Township T0.3 . Range R0.6 . Section 10  
 Meridian: UBM  
 Operator: BILL BARRETT CORP

Map Prepared:  
 Map Produced by Diana Mason

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



# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** BILL BARRETT CORP  
**Well Name** 5-10D-36 BTR  
**API Number** 43013509780000      **APD No** 4662      **Field/Unit** CEDAR RIM  
**Location: 1/4,1/4** SWNW    **Sec** 10    **Tw** 3.0S    **Rng** 6.0W    2347 FNL 620 FWL  
**GPS Coord (UTM)** 537780 4453715      **Surface Owner** Jim & Annette Herron

### Participants

James Hereford (BLM), Kelly Jo Jackson (Archeologist), Roger Knight (BBC, dirt supervisor), Kary Eldredge (BBC), Trevor Anderson (UELS, surveyor), Don Hamilton (Starpoint, permit agent)

### Regional/Local Setting & Topography

this location sits approximately 2 miles south of Blacktail Mountain and approximately 5 miles north west of Starvation Reservoir. This location is 4 miles south of Hwy 40 at a point approximately 8 miles west of Duchesne, UT. The area of the location slopes east to a small wash about .5 miles away which leads to Starvation Reservoir.

### Surface Use Plan

**Current Surface Use**  
Wildlfe Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.8	<b>Width</b> 290 <b>Length</b> 400	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Deer, elk, coyote, rabbits and other small mammals, song birds, raptors  
Pinion, Juniper, mahogany, prickly pear, little to no grass, Brigham tea

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

Sandy soil, with some exposed rock ledges

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** Y

Small drainage must be diverted around west side of location

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

Paleo Survey Run? N    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>	High permeability	20	
<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>	30	1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit will be placed in cut in a stable location. The pit will be 100ft x 205ft x 8ft deep with a total capacity including freeboard of 17,290bbl. Kary Eldredge of BBC said they will use a 16 mil liner with a felt sub-liner and this will be adequate for the site.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y**

**Other Observations / Comments**

Richard Powell  
**Evaluator**

9/7/2011  
**Date / Time**

# Application for Permit to Drill Statement of Basis

9/27/2011

## Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4662	43013509780000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Jim & Annette Herron	
<b>Well Name</b>	5-10D-36 BTR		<b>Unit</b>		
<b>Field</b>	CEDAR RIM		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNW 10 3S 6W U 2347 FNL 620 FWL GPS Coord (UTM) 537781E 4453724N				

### 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**

9/27/2011  
**Date / Time**

### Surface Statement of Basis

This onsite inspection was scheduled by James Hereford of BLM in cooperation with Bill Barrett Corporation. Mr. Hereford stated that he did not contact the land owners so they were not notified of or invited to this onsite, but there is a signed land owner agreement on file. Mr. Hereford requested that the wood removed during construction be piled for use during reclamation. This appears to be a good site for this well. There is a small drainage which must be diverted around the west side of the location and Roger Knight, BBC dirt work supervisor, agreed to ensure this done.

Richard Powell  
**Onsite Evaluator**

9/7/2011  
**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 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
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:** 9/19/2011

**API NO. ASSIGNED:** 43013509780000

**WELL NAME:** 5-10D-36 BTR

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

**PHONE NUMBER:** 303 312-8172

**CONTACT:** Venessa Langmacher

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

**Permit Tech Review:**

**SURFACE:** 2347 FNL 0620 FWL

**Engineering Review:**

**BOTTOM:** 1980 FNL 0810 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.23500

**LONGITUDE:** -110.55588

**UTM SURF EASTINGS:** 537781.00

**NORTHINGS:** 4453724.00

**FIELD NAME:** CEDAR RIM

**LEASE TYPE:** 2 - Indian

**LEASE NUMBER:** 1420H626280

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: INDIAN - LPM8874725
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-180
- 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  
15 - Directional - dmason



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** 5-10D-36 BTR  
**API Well Number:** 43013509780000  
**Lease Number:** 1420H626280  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 9/27/2011

**Issued to:**

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

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**General:**

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

**Conditions of Approval:**

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

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

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 <http://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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 20 2011

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
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	8. Lease Name and Well No. 5-10D-36 BTR
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNW 2347FNL 620FWL 40.234833 N Lat, 110.556633 W Lon At proposed prod. zone SWNW 1980FNL 810FWL 40.235853 N Lat, 110.555950 W Lon		9. API Well No. 43-013-50978
14. Distance in miles and direction from nearest town or post office* 12.6 MILES NORTHWEST OF DUCHESNE, UT	16. No. of Acres in Lease 640.00	10. Field and Pool, or Exploratory CEDAR RIM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810' (BOTTOM HOLE)	17. Spacing Unit dedicated to this well 640.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec 10 T3S R6W Mer UBM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2206'	19. Proposed Depth 11428 MD 11402 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6269 GL	22. Approximate date work will start 02/01/2012	13. State UT
23. Estimated duration 60 DAYS (D&C)		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, 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) VENESSA LANGMACHER Ph: 303-312-8172	Date 09/19/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date DEC 1 2 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.

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)

Electronic Submission #117853 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 09/23/2011 ()

RECEIVED

DEC 2 1 2011

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

CONDITIONS OF APPROVAL ATTACHED

UDDGM

11550796AF

1155 8/18/11

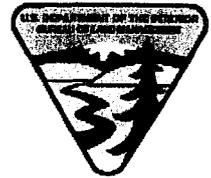


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

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:** 5-10D-36 BTR  
**API No:** 43-013-50978

**Location:** SWNW, 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)**

**CONDITIONS OF APPROVAL:**

- 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 should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Production facilities will be painted Beetle Green to blend in with the surrounding habitat.
- Wood that will be removed will be piled up along well access road, and around well pad. This can be used by the land owner, or for reclamation purposes.
- The reserve pit will be lined with a 20 mil liner to help prevent any leaks from occurring.
- Production equipment will be placed towards the front of the pad to maximize interim reclamation efforts.
- Site reclamation would 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 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.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 400 ft. above the surface casing shoe.

**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](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ( $\frac{1}{4}$  $\frac{1}{4}$ , 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	FORM 9  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626280
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013509780000
<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> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW 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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/1/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>
<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:			

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

BBC requests a one year extension for the subject APD.

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

**Date:** August 28, 2012

**By:**

<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> 8/16/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013509780000**

API: 43013509780000

Well Name: 5-10D-36 BTR

Location: 2347 FNL 0620 FWL QTR SWNW SEC 10 TWNP 030S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 9/27/2011

The undersigned as owner with legal rights to drill on the property as permitted above, 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.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
- Has the approved source of water for drilling changed?  Yes  No
- 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?  Yes  No
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Venessa Langmacher

Date: 8/16/2012

Title: Senior Permit Analyst Representing: BILL BARRETT CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626280
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013509780000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 10 Township: 03.0S Range: 06.0W Meridian: U		<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"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/3/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well was spud on 4/3/2013 at 4:45 pm by Triple A Drilling, Rig #TA 4037, Type Soilmec SR/30. Continuous drilling is planned to commence on 5/19/2013.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          April 04, 2013</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> 4/4/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626280																														
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR																														
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013509780000																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW 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																																
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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2013	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE TUBING</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> DEEPEN</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> TUBING REPAIR</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> VENT OR FLARE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> OTHER</td> <td style="vertical-align: top; padding: 2px;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 10px;"> <p>This well was spud in April 2013.</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>May 03, 2013</p> </div> </div>																																
<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> 5/3/2013																															

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Precision 406  
Submitted By Glenn Randel Phone Number 970-623-7078  
Well Name/Number 5-10D-36 BTR  
Qtr/Qtr SW/NW Section 10 Township 3S Range 6W  
Lease Serial Number 1420H626280  
API Number 43-013-50978

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

Date/Time \_\_\_\_\_ AM  PM

BOPE

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

RECEIVED

MAY 6 2013

Date/Time \_\_\_\_\_ AM  PM

Remarks Rig commence moving onto location ~7:00 AM, 5/6/13.

RECEIVED

MAY 05 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# PRECISION 406  
Submitted By JET LORENZEN Phone Number 970-623-7078  
Well Name/Number 5-10D-36 BTR  
Qtr/Qtr SW/NW Section 10 Township 3S Range 6W  
Lease Serial Number 1420H626280  
API Number 43-013-50978

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Date/Time \_\_\_\_\_ AM  PM

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

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

Date/Time 05/15/2013 05:00 AM  PM

BOPE

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

**RECEIVED**

**MAY 14 2013**

**DIV. OF OIL, GAS & MINING**

Date/Time 05/16/2013 05:00 AM  PM

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

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# PRECISION 406  
Submitted By JET LORENZEN Phone Number 970-623-7078  
Well Name/Number 5-10D-36 BTR  
Qtr/Qtr SW/NW Section 10 Township 3S Range 6W  
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Date/Time \_\_\_\_\_ AM  PM

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

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

Date/Time 05/27/2013 03:00 AM  PM

BOPE

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

**RECEIVED**  
**MAY 27 2013**  
DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ AM  PM

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
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<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013509780000	
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW 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			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the May 2013 Drilling Activity for this well.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 11, 2013</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> 6/5/2013		

**5-10D-36 BTR 5/6/2013 06:00 - 5/7/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	COMMENCE MOVE IN & RIG UP. FIRST LOAD (PREMIX TANK) ARRIVED 07:55 HRS. 95% MOVED, 5% RIGGED UP. SPOT 90% MATS & SPOT SUBSTRUCTURE. INSTALLING IRON ROUGHNECK (CONTINUE INSTALLING DURING RIG-UP).
20:00	10.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT.

**5-10D-36 BTR 5/7/2013 06:00 - 5/8/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT.
07:00	23.00	06:00	1	RIGUP & TEARDOWN	HELD PJSM. CONTINUE TO RIG UP. MAST ON RIG FLOOR AT 13:00 HRS. PREP MAST FOR RAISING. INSTALL CENTRIFUGE & MUD CLEANER. BROKE TOUR.

**5-10D-36 BTR 5/8/2013 06:00 - 5/9/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	SAFETY MEETING W/PRECISION BRASS.
07:00	19.50	02:30	1	RIGUP & TEARDOWN	CONTINUE TO RIG UP. MAST UP AT 09:30 HRS. INSTALL 16" RISER W/ROTATING HEAD WHILE RIG UP FLOOR & TOP DRIVE. RIG UP GAS BUSTER & FLARE SYSTEM.
02:30	3.50	06:00	6	TRIPS	MAKE UP 12 1/4 BHA.

**5-10D-36 BTR 5/9/2013 06:00 - 5/10/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	21	OPEN	TEST PUMPS/LINES TO 1300 PSI WHILE HOLDING SAFETY/PLANNING MEETING W/BOTH CREWS & TP.
06:15	6.00	12:15	2	DRILL ACTUAL	SPUD WELL @ 06:15 HRS, 5/9/13.  ROTATE DRILL 12 1/4 HOLE 97-327' MAKING DC CONNECTIONS & MAKING UP SPERRY SUBS/RR. ROP 38.3 FPH.
12:15	0.75	13:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 327-350' MAKING HWDP CONNECTIONS. ROP 30.7 FPH.
13:00	0.50	13:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE & TIGHTEN SAVER SUB ON TOP DRIVE.
13:30	0.25	13:45	8	REPAIR RIG	FINISH TIGHTEN SAVER SUB ON TOP DRIVE.
13:45	2.25	16:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 350-510' MAKING HWDP CONNECTIONS. ROP 71.1 FPH.
16:00	0.25	16:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 510-517'. ROP 28 FPH.
16:15	1.00	17:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 517-603'. ROP 86 FPH.
17:15	0.25	17:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 603-613'. ROP 40 FPH. ONE PUMP DOWN FROM 603'.
17:30	1.50	19:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 613-695'. ROP 54.7 FPH. ONE PUMP DOWN TO 695'.
19:00	0.25	19:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 695-702'. ROP 28 FPH.
19:15	0.75	20:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 702-792'. ROP 120 FPH.
20:00	0.25	20:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 792-798'. ROP 24 FPH.
20:15	3.75	00:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 798-1080'. ROP 75.2 FPH.  PRECISION POLICY DOESN'T ALLOW BUILDING A STAND W/STRING ROTATING. THEREFORE CONNECTIONS REQUIRING ~10 TO 15 MIN.
00:00	0.25	00:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1080-1087'. ROP 28 FPH.
00:15	2.25	02:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1087-1177'. ROP 40 FPH.  BLEW 3 NAILS W/LESS THAN 2100 PSI.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
02:30	0.50	03:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE & WORK ON PUMP POP-OFF.
03:00	0.25	03:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1177-1185'. ROP 32 FPH. ONE PUMP.
03:15	2.25	05:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1185-1275'. ROP 40 FPH. ONE PUMP 1195-1207'.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1275-1286'. ROP 22 FPH.

**5-10D-36 BTR 5/10/2013 06:00 - 5/11/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.25	10:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1286-1415'. ROP 30.4 FPH. CHANGED POP-OFF NAILS TO 90% FROM 80% @ 06:30 HRS.
10:15	0.75	11:00	5	COND MUD & CIRC	CIRCULATE, MIX/PUMP SLUG.
11:00	2.25	13:15	6	TRIPS	POH TO CHANGE JETS. BREAK OFF BIT.
13:15	0.50	13:45	6	TRIPS	CLEAN UP BIT & CHANGE NOZZLES TO 1.68 TFA. FROM 1.208.
13:45	1.50	15:15	6	TRIPS	MAKE UP BIT & RIH. NO HOLE TROUBLE.
15:15	2.00	17:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1415-1465'. ROP 25 FPH. VERY LITTLE PRESSURE REDUCTION SEEN FROM NOZZLE CHANGE.
17:15	0.50	17:45	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
17:45	8.25	02:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1465-1659'. ROP 23.5 FPH. ONE PUMP 1559-1563' & 1608-1655'.
02:00	0.50	02:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1659-1669'. ROP 20 FPH.
02:30	3.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1669-1760'. ROP 24.8 FPH.

**5-10D-36 BTR 5/11/2013 06:00 - 5/12/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1756-1766'. ROP 20 FPH.
06:30	0.50	07:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1766-1773'. ROP 14 FPH. BUILD SLUG.
07:00	2.25	09:15	6	TRIPS	POH FOR NEW BIT #2. BIT COND: 1-3-WT-S-X-I-BT-PR.
09:15	2.25	11:30	6	TRIPS	MAKE UP NEW BIT #2 & RIH. WASH LAST 18' TO BOTTOM.
11:30	2.00	13:30	2	DRILL ACTUAL	BREAK IN BIT & ROTATE DRILL 12 1/4 HOLE 1773-1850'. ROP 38.5 FPH.
13:30	0.25	13:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1850-1858'. ROP 32 FPH.
13:45	1.75	15:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1858-1947'. ROP 50.8 FPH. DRILL W/ONE PUMP WHILE CHANGING PUMP LINERS TO 6" 1947-2045'.
15:30	0.50	16:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
16:00	0.25	16:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1947-1954'. ROP 28 FPH.
16:15	4.25	20:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1954-2043'. ROP 20.9 FPH. STILL CHANGING PUMP LINERS.
20:30	0.25	20:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2043-2051'. ROP 32 FPH. TREATING SEEPAGE LOSSES W/LCM SWEEPS.
20:45	2.50	23:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2051-2139'. ROP 35.2 FPH.
23:15	0.25	23:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2139-2147'. ROP 32 FPH.
23:30	2.25	01:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2147-2236'. ROP 39.6 FPH. LOSSES INCREASED TO ~60 BPH AT 2157'. BYPASS SHAKERS & BUILD LCM TO 15% IN SYSTEM.
01:45	0.50	02:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2236-2246'. ROP 20 FPH.
02:15	2.50	04:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2246-2332'. ROP 34.4 FPH.
04:45	0.50	05:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2332-2342'. ROP 20 FPH.
05:15	0.75	06:00	2	DRILL ACTUAL	ROTATE DRILL 12 1.4 HOLE 2342-2370'. ROP 37.3 FPH. LOSING ~ 52 BPH. SHAKERS BYPASSED, MIXING LCM.

**5-10D-36 BTR 5/12/2013 06:00 - 5/13/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2370-2428'. ROP 58 FPH. INCREASING LCM IN SYSTEM TO 15%, NOW 5%.
07:00	0.50	07:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
07:30	0.25	07:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2428-2438'. ROP 40 FPH. LOSSES APPEAR TO HAVE STOPPED.
07:45	2.75	10:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2438-2525'. ROP 31.6 FPH. START SCREENING OUT LCM AT 09:00.
10:30	0.50	11:00	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2525-2540'. ROP 15 FPH.
11:00	0.50	11:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2540-2554'. LOST ALL RETURNS.
11:30	0.50	12:00	5	COND MUD & CIRC	PICK UP STRING, SLOW PUMP RATE & PUMPED 30% LCM SWEEP & REGAINED RETURNS. BYPASS SHAKERS.
12:00	0.25	12:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2554-2558'. ROP 16 FPH. LOST ALL RETURNS AGAIN.
12:15	4.25	16:30	5	COND MUD & CIRC	SLOWED PUMP RATE & PUMP LCM SWEEP W/NO RESULTS. SPOT 2ND SWEEP OUTSIDE STRING & PULL 4 STANDS. WORK STRING & ALLOW LCM TO SOAK. PULL ROTATING RUBBER. FILL BACKSIDE W/10 BBL EVERY 15 MIN. BUILD MUD VOLUME. MUD LEVEL OUT OF SIGHT. MUD LEVEL IN SIGHT AFTER 30 BBL. HOLE ALMOST FILLED AFTER 40 BBL, BUT LEVEL STILL FALLING. MIXED 30% LCM IN SUCTION TANK.
16:30	6.25	22:45	5	COND MUD & CIRC	RUN BACK 2 STANDS & SPOT 80 BBL 30% LCM @ 2426'. PULL 2 STANDS TO 2232'. FILL BACKSIDE W/10 BBL EVERY 15 MIN. AT BEGINNING, MUD LEVEL ~20' DOWN & FALLING SLOWLY, AFTER EVERY FILL MUD LEVEL FALLING SLOWER. FILL TWICE MORE & LEVEL FALLING LESS. HOLE STAYING FULL AFTER 3 FILLS. START PUMPS AT 50 STROKES, STAGING UP TO DRILLING STROKES 10 STROKES EVERY 5 MIN.
22:45	1.25	00:00	5	COND MUD & CIRC	RIH 4 STANDS & STAGE UP PUMPS TO DRILLING RATE. NO LOSSES.
00:00	2.00	02:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2558-2622'. ROP 32 FPH.
02:00	0.50	02:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2622-2634'. ROP 24 FPH.
02:30	2.00	04:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2634-2720'. ROP 43 FPH.
04:30	1.00	05:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2720-2736'. ROP 16 FPH.
05:30	0.25	05:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2736-2745'. 36 FPH. MW 8.7 PPG.

**5-10D-36 BTR 5/13/2013 06:00 - 5/14/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.25	17:15	2	DRILL ACTUAL	DRLG 12 1/4" HOLE F/ 2750' TO 3004' ( 254' IN 11.25 HR = 22.6 FPH) SLIDE: 88' IN 6 HR = 14.7 FPH, ROTATE: 166' IN 31.6 FPH.
17:15	0.50	17:45	7	LUBRICATE RIG	RIG SERVICE
17:45	10.50	04:15	2	DRILL ACTUAL	DRLG F/ 3004' TO 3199' (195' IN 10.5 HR = 18.5 FPH) SLIDE: 90' IN 7.5 HR = 12 FPH, ROTATE: 105' IN 3 HR = 35 FPH.
04:15	1.75	06:00	8	REPAIR RIG	STAND PIPE WASHED OUT WO WELDER. TOOH 4 STDS

**5-10D-36 BTR 5/14/2013 06:00 - 5/15/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	8	REPAIR RIG	TIH, AFTER WELDING MUD LINE
06:15	6.25	12:30	2	DRILL ACTUAL	DRLG 12 1/4" HOLE F/ 3199' TO 3295' (96' IN 6.25 HR = 14.8 FPH) SLIDE: 50' IN 5.25 HR = 9.5 FPH, ROTATE: 46' IN 1 HR = 46 FPH.
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	9.50	22:30	2	DRILL ACTUAL	DRLG F/ 3295' TO 3518' (223' IN 9.5 HR = 23.5 FPH) SLIDE: 65' IN 4.25 HR = 15.3 FPH, ROTATE: 158' IN 5.25 = 30.1 FPH. SHAKE OUT ALL LCM. NO LOSSES.
22:30	0.75	23:15	5	COND MUD & CIRC	CIRC. CON D F/ CASING

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
23:15	1.75	01:00	6	TRIPS	S TRIP 19 STDS
01:00	0.75	01:45	5	COND MUD & CIRC	CIRC. SWEEP
01:45	4.25	06:00	6	TRIPS	TOOH, L/D 8" TOOLS

**5-10D-36 BTR 5/15/2013 06:00 - 5/16/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	L/D 8' TOOLS
06:30	4.00	10:30	12	RUN CASING & CEMENT	HSM RIG UP WEATHERFORD. RUN CASING.FC (1.46), SHOE JT (43.97), FC (.96) 79 JT S 9 5/8" 36# J55 ST&C CASING LANDED @ 3513' MADE UP W/ BESTOLIFE DOPE TO 3940 FT/BL.
10:30	2.00	12:30	5	COND MUD & CIRC	CIRC. W/ RIG PUMP. PUMPED 40 BL 30% LCM PILLFOLLOWED W/ 22% LCM MUD LOST 942 BLS MUD WITH OUT GETTING RETURNS.
12:30	3.50	16:00	12	RUN CASING & CEMENT	HSM SWAP HES AND CEMENT. 20 BLS H2O, 40 BLS SUPERFLUSH, 20 BLS H2O, 337 BLS HCL PREMIUM 600 SKS 113 3.16 YEILD W/ .125 LB POLY-E-FLAKE, 5 LB SILICALITE, .25 KWIK SEAL. TAILED W/ 56.8 BL PREMIUM PLUS TYPE III 14.8# 1.33 YEILD W/ .125 POLY-E-FLAKE, 2% CACL.DISPLACEDW/ 268 BLS H2O. GOT PATIAL RETURNS WHILE MIXING TAIL CEMENT. LOST REURNS WHILE DROPPING PLUG.
16:00	0.50	16:30	15	TEST B.O.P	TEST CASING TO 1500# F/ 30 MINS
16:30	3.50	20:00	13	WAIT ON CEMENT	WOC
20:00	1.00	21:00	12	RUN CASING & CEMENT	TOP OUT W/ 17 BLS CLASS G CEMENT85 SKS W/ 4% CACL. CEMENT DID NOT FALL.
21:00	2.00	23:00	13	WAIT ON CEMENT	WOC
23:00	4.00	03:00	14	NIPPLE UP B.O.P	CUT OF AND WELD ON WELL HEAD TEST TO 100# F/ 10 MINS
03:00	3.00	06:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP

**5-10D-36 BTR 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP
12:30	4.00	16:30	15	TEST B.O.P	TEST BOPS. TEST ALL RAMS AND VALVES TO 5000# F/ 10 MINS. TEST ANNULAR TO 2500# F/ 10 MINS. TEST CHOKE TO 1000# F/ 10 MINS
16:30	1.50	18:00	22	OPEN	CHANGE OUT KELLY VALVE. LEAKED ON TEST
18:00	1.25	19:15	9	CUT OFF DRILL LINE	CUT DRLG LINE
19:15	0.50	19:45	14	NIPPLE UP B.O.P	INSTALL WEAR BUSHING
19:45	1.25	21:00	20	DIRECTIONAL WORK	PICK UP BHA, ORENTATE MWD
21:00	2.50	23:30	6	TRIPS	TIH
23:30	0.50	00:00	7	LUBRICATE RIG	RIG SERVICE
00:00	6.00	06:00	8	REPAIR RIG	WO GENERATOR. ONE COMING F/ NOTH DAKOTA.

**5-10D-36 BTR 5/17/2013 06:00 - 5/18/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	8	REPAIR RIG	WO GENERATOR. COMING F/ NORTH DAKOTA. ARIVED ON LOC @ 01:00. STILL INSTALLING.

**5-10D-36 BTR 5/18/2013 06:00 - 5/19/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	8	REPAIR RIG	INSALL GENERATOR 34 HRS TOTAL.
10:00	0.50	10:30	7	LUBRICATE RIG	RIG SERVICE, THIGHTEN CLAMP ON KELLY VALVE
10:30	1.50	12:00	22	OPEN	DRILLOUT SHOE TRACK
12:00	1.00	13:00	23	OPEN	EMW 180 PSI W/ 8.4 MW = 9.5 @ 3525'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	5.00	18:00	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 3518' TO 3945' (427' IN 5 HR = 85.4 FPH) SLIDE: 46' IN .75 HR = 61.3 FPH, ROTATE: 381' IN 4.25 HR = 89.6 FPH.
18:00	12.00	06:00	2	DRILL ACTUAL	DRLG F/ 3945' TO 4855' (910' IN 12 HR = 75.8 FPH) SLIDE: 190' IN 4.75 HR = 40 FPH, ROTATE: 720' IN 7.25 HR = 99.3 FPH. LOSING 80 BLS/HR OF MUD. 12.29' RIGHT AND 16.22 LOW OF PLAN.

**5-10D-36 BTR 5/19/2013 06:00 - 5/20/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 4855 TO 4865' @ 20 FPH ROTATING. BIT TORQUEING UP
06:30	0.50	07:00	5	COND MUD & CIRC	CIRC. LCMSWEEP IN TO HOLE PUMP DRY SLUG.
07:00	6.00	13:00	6	TRIPS	TRIP F/ BIT #4.
13:00	5.00	18:00	2	DRILL ACTUAL	DRLG F/ 4865 TO 5220' (355' IN 5 HR = 71 FPH) SLIDE: 55' IN 1.25 HR = 44 FPH, ROTATE: 300' IN 3.75 HR = 80 FPH.
18:00	12.00	06:00	2	DRILL ACTUAL	DRLG F/ 5220' TO 5980' (760' IN 12 HR = 63.3 FPH) SLIDE: 171' IN 5.5 HR = 31 FPH, ROTATE: 589' IN 6.5 HR = 90.6 FPH. BY PASS SHAKERS AND RUNNIN 10% LCM.

**5-10D-36 BTR 5/20/2013 06:00 - 5/21/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 5980' TO 6345' (365' IN 6.5 HR = 56.2 FPH) SLIDE: 42' IN 1.75 HR = 24 FPH, ROTATE: 323' IN 4.75 HR = 68 FPH.
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	4.50	17:30	2	DRILL ACTUAL	DRLG F/ 6345' TO 6530' (185' IN 4.5 HR = 41 FPH) SLIDE: 18' IN 1.25 HR = 14.4 FPH, ROTATE: 167' IN 3.25 HR = 51.4 FPH. DIFFERENTIAL SPIKING BLOWED THE NAIL 3 TIMES
17:30	0.50	18:00	5	COND MUD & CIRC	CIRC. PUMP SLUG
18:00	7.50	01:30	6	TRIPS	TRIP F/ BIT #5
01:30	4.50	06:00	2	DRILL ACTUAL	DRLG F/ 6530' TO 6725' (195' IN 4.5 HR = 43.3 FPH) SLIDE: 48' IN 1.75 HR = 27.4 FPH, ROTATE: 147' IN 2.75 HR = 53.5 FPH. SLILL BY PASSED W/ 10% LCM. 7.73' RIGHT AND 10.85' LOW OF PLAN.

**5-10D-36 BTR 5/21/2013 06:00 - 5/22/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/6725' TO 6981' (256' IN 6.5 HR = 39.4 FPH) SLIDE: 53' IN 3.75 HR = 14.1 FPH, ROTATE: 199' IN 2.75 HR = 72.4 FPH
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	0.25	13:15	22	OPEN	X/O 2 SEAT AND 3 VALVES #1 PUMP
13:15	11.50	00:45	6	TRIPS	TRIP F/ MM. X/O BIT F/ SHORTER GUAGE.
00:45	5.25	06:00	2	DRILL ACTUAL	DRLG F/ 6981' TO 7309' (328' IN 5.25 HR = 62.5 FPH) SLIDE: 42' IN 1 HR = 42 FPH, ROTATE: 286' IN 4.25 HR = 67.3 FPH. 12.24' LOW 18.77' RIGHT OF PLAN. DRILLING W/ NO LCM IN MUD.

**5-10D-36 BTR 5/22/2013 06:00 - 5/23/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 7309' TO 7647' (338' IN 6 HR = 56.3) FPH) SLIDE: 73' IN 1.75 HR = 41.7 FPH, ROTATE: 265' IN 4.25 HR = 62.4 FPH.
12:00	0.25	12:15	7	LUBRICATE RIG	RIG SERVICE
12:15	8.75	21:00	2	DRILL ACTUAL	DRLG F/ 7647' TO 8544' (897' IN 8.75 IN 102 FPH FPH) SLIDE: 59' IN 1.75 HR = 33.7 FPH, ROTATE: 838' IN 7 HR = 119 FPH.
21:00	0.50	21:30	22	OPEN	WORK OUT TORQUE REAMER WOULD NOT TURN
21:30	0.25	21:45	2	DRILL ACTUAL	DRLG F/ 8544' TO 8558' ROTATING @ 56 FPH
21:45	0.25	22:00	7	LUBRICATE RIG	RIG SERVICE

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:00	0.25	22:15	21	OPEN	X/O SWAB IN #2 PUMP
22:15	7.75	06:00	2	DRILL ACTUAL	DRLG F/ 8544' TO 8855 (311' IN 7.75 HR = 40 FPH) SLIDE:59' IN 3.25 HR = 18.2 FPH, ROATATE: 252' IN 4.5 HR = 56 FPH. 17' F/ CENTER.

**5-10D-36 BTR 5/23/2013 06:00 - 5/24/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/8855' TO 8876' 21' @ 42 FPH ROTATING DIFFERNTAL SKIPING, BLOW POP OFF
06:30	0.50	07:00	5	COND MUD & CIRC	CIRC. PUMP DRY SLUG
07:00	7.00	14:00	6	TRIPS	TRIP F/ BIT
14:00	1.00	15:00	9	CUT OFF DRILL LINE	CUT DRLG LINE
15:00	2.50	17:30	6	TRIPS	TIH
17:30	8.25	01:45	2	DRILL ACTUAL	DRLG F/ 8876' TO 9329' (453 IN 8.25 HR =54.9 FPH) SLIDE:6' IN .25 HR = 24 FPH, ROTATE: 447' IN 7.75 HR = 57.7 FPH.
01:45	0.25	02:00	7	LUBRICATE RIG	RIG SERVICE
02:00	3.25	05:15	2	DRILL ACTUAL	DRLG F/ 9329' TO 9516' (187' IN 3.25 HR = 57.5 FPH) ROTATING. WHILE RAISING WT TO 9.2 LOST RETURNS.
05:15	0.75	06:00	5	COND MUD & CIRC	MIX LCM HAVE 30% GOING DOWN HOLE. PUMPING @ 2.8 BL/MIN.

**5-10D-36 BTR 5/24/2013 06:00 - 5/25/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	MIX LCM 30% GOING DOWN
09:00	5.50	14:30	2	DRILL ACTUAL	DRLG8 3/4" HOLE F/ 9516' TO 9808' (292' IN 5.5 HR = 53.1 FPH) SLIDE: 6' IN .5 HR = 12 FPH, ROTATE: 286' IN 5 HR = 57.2 FPH.
14:30	0.50	15:00	7	LUBRICATE RIG	RIG SERVICE
15:00	15.00	06:00	2	DRILL ACTUAL	DRLG F/ 9808' TO 10410' @ 40.1 FPH

**5-10D-36 BTR 5/25/2013 06:00 - 5/26/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/10410' TO 10675' @ 40 FPH ROTATING
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	0.50	13:30	2	DRILL ACTUAL	DRLG F/ 10675' TO 10700' @ 50 FPH.
13:30	1.00	14:30	5	COND MUD & CIRC	CIRC. COND F/ LOGS
14:30	2.00	16:30	6	TRIPS	SHORT TRIP 25 STDS
16:30	1.00	17:30	5	COND MUD & CIRC	CIRC. COND F/ LOGS
17:30	6.50	00:00	6	TRIPS	TOOH F/ LOGS L/D REAMERS AND MWD
00:00	6.00	06:00	11	WIRELINE LOGS	HSM RIG UP HES RUN QUAD COMBO.

**5-10D-36 BTR 5/26/2013 06:00 - 5/27/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	14	NIPPLE UP B.O.P	PULLWEAR BUSHING
06:30	6.25	12:45	6	TRIPS	TIH
12:45	1.25	14:00	5	COND MUD & CIRC	CIRC COND F/ CASING
14:00	10.50	00:30	6	TRIPS	LDDP AND DCS
00:30	5.50	06:00	12	RUN CASING & CEMENT	HSM, RIG UP WEATERFORD AND RUN CASING. FS (1.00'), 2 SHOE JTS (89.12'), FC (1.00'), 28 JTS 5 1/2" 17# P110 LT&C CASING(1207.71'), MARKER JT (22.20'), 28 JT CASING (1243.31'), MARKER JT (22.25'), 184 JT CASING (8107.19'). MADE W/ BESTOLIF DOPE TO 4620 FT/LB.

**5-10D-36 BTR 5/27/2013 06:00 - 5/28/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013509780000			Black Tail Ridge	COMPLETION	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.25	11:15	12	RUN CASING & CEMENT	FINISH RUNNING 5 1/2, 17#, P-110, LTC, R3 CASING FROM 4089' TO 10690'. LAND W/SHOE @ 10690', FLOAT COLLAR @ 10598'.
11:15	2.25	13:30	5	COND MUD & CIRC	MAKE UP CIRC SWEDGE & CIRC CASING 1.5 BOTTOMS UP W/FULL RETURNS. STAGE UP PUMPS FROM 146 GPM TO 440 GPM. RIG DOWN WEATHERFORD CASERS & RIG UP HALLIBURTON CEMENTERS.
13:30	4.50	18:00	12	RUN CASING & CEMENT	HELD PJSM, REMOVE CIRC SWEDGE & INSTALL CEMENT HEAD.  HOWCO PUMPED 3 BBL WATER, TEST LINE TO 5000 PSI, 7 BBL WATER, 40 BBL SUPER FLUSH 101 @ 10 PPG, 10 BBL WATER, 970 SX (400 BBL) TUNED LIGHT+ 0.35 PPS HALAD 344 + 1.0 PPS HR-601 + 5.0 PPS BENTONITE + 0.125 PPS POLY-E -FLAKE + 1.0 PPS GRANULITE @ 11 PPG FOLLOWED BY 660 SX CLASS G (168 BBL) + 35.25 PPS POZMIX A + 3% BENTONITE + 0.3% HALAD-344 + 3 PPS SILICALITE + 0.3% SUPER CBL + 0.1% SA-1015 + 1 PPS GRANULITE + 0.125 PPS POLY-E-FLAKE @ 13.5 PPG. DROPPED PLUG & DISPLACED W/246 BBL WATER + 0.3 GAL/1000 CLA-WEB + 0.15 GAL/1000 ALDACIDE. BUMPED PLUG W/450 PSI OVER FDP, TOTAL PRESSURE 3000 PSI. HELD 10 MIN, BLEED OFF 2.5 BBL & FLOATS HELD. RIG DOWN CEMENTERS.  MAINTAINED FULL RETURNS UNTIL 160 BBL DISPLACEMENT & LOST ALL RETURNS @ 170 BBL DISPLACEMENT.
18:00	2.00	20:00	12	RUN CASING & CEMENT	CIRCULATE WATER THRU BOP. RIG UP & LIFT BOP & CASING. INSTALL CASING SLIPS & LAND CASING ON SLIPS W/30K OVER CASING WT. ROUGH CUT CASING & LAY DOWN CUT-OFF. FINAL CUT CASING & SET BOP BACK ON WH.
20:00	10.00	06:00	14	NIPPLE UP B.O.P	NIPPLE DOWN & SEPARATE BOP & REMOVE FROM CELLAR. COMMENCE CLEANING MUD TANKS.

**5-10D-36 BTR 5/28/2013 06:00 - 5/28/2013 09:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	1	RIGUP & TEARDOWN	FINISH CLEANING MUD TANKS.  RELEASE RIG TO MOVE TO RU 21-41 @ 09:00 HRS, 5/28/13.

<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>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626280																														
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR																														
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43013509780000																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW 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																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2013	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; vertical-align: top;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; vertical-align: top;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="vertical-align: top;"><input type="checkbox"/> CHANGE TUBING</td> <td style="vertical-align: top;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="vertical-align: top;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="vertical-align: top;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> DEEPEN</td> <td style="vertical-align: top;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="vertical-align: top;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="vertical-align: top;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="vertical-align: top;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="vertical-align: top;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="vertical-align: top;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="vertical-align: top;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="vertical-align: top;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> TUBING REPAIR</td> <td style="vertical-align: top;"><input type="checkbox"/> VENT OR FLARE</td> <td style="vertical-align: top;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="vertical-align: top;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="vertical-align: top;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="vertical-align: top;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="vertical-align: top;"><input type="checkbox"/> OTHER</td> <td style="vertical-align: top;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center; font-size: 1.2em;">Attached is the June 2013 Drilling Activity for this well.</p> <div style="text-align: right; margin-top: 20px;"> <p style="margin: 0;"><b>Accepted by the</b></p> <p style="margin: 0;"><b>Utah Division of</b></p> <p style="margin: 0;"><b>Oil, Gas and Mining</b></p> <p style="margin: 0;"><b>FOR RECORD ONLY</b></p> <p style="margin: 0;">July 09, 2013</p> </div>																																
<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> 7/9/2013																															

**5-10D-36 BTR 6/3/2013 06:00 - 6/4/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.
07:00	3.00	10:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
10:00	20.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.

**5-10D-36 BTR 6/4/2013 06:00 - 6/5/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.
07:00	2.00	09:00	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.
09:00	7.00	16:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 10,514', Drilling Report Shows FC At 10,599', 85' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 10,514', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 05-27-2013. Run Repeat Section From 10,514 - 10,200', Log Up Hole. Showed Good Bond From TD To 9,730, 9,730 - 9,000' Fair, 9,000 - 8,200 Very Good, 8,200 - 3,000 Good. TOC 3,000'. Found Short Joints At 9,366 - 9,388 And 8,102 - 8,124'. Ran With Pressure. Pooh, RD Equipment, MOL.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured

**5-10D-36 BTR 6/21/2013 06:00 - 6/22/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Filling Frac Line. Set Frac Mandrel, Test. Set Frac Tree, Test Casing. Plumb In FlowBack/SandTrap, Test.

**5-10D-36 BTR 6/23/2013 06:00 - 6/24/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat KCL. HES Set Mover And Manifold. Prep For Frac.

**5-10D-36 BTR 6/24/2013 06:00 - 6/25/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.33	09:19	LOCL	Lock Wellhead & Secure	WSI And Secured. Wireline Crew Arrive On Location. Hold Safety Meeting. Rig Up Lubricator, Arm Gun.
09:19	1.17	10:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 9,366 - 9,388'. Drop Down To Depth, Perforate Stage 1 CR-5/CR-4A/CR-4 Zone, 10,197 - 10,473'. 48 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:30	4.50	15:00	SRIG	Rig Up/Down	HES Rigging Up
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**5-10D-36 BTR 6/25/2013 06:00 - 6/26/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:00	0.00	06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
06:00	0.00	06:00	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16.            Open Well, 24 Psi. ICP. BrokeDown At 9.6 Bpm And 3,720 Psi..            Pump 3900 Gals. 15% HCL And 98 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 70.4 Bpm And 6,400 Psi., Get ISIP, 3,271 Psi.. 0.76 Psi./Ft. F.G.. 27/48 Holes.            Con't With SlickWater Pad, 48,376 Gals..            Stage Into Hybor Pad, 73.9 Bpm At 5,396 Psi..            On Perfs, 73.6 Bpm At 5,708 Psi., 12,190 Gals.            Stage Into 2.0# 20/40 CRC Prop, 73.6 Bpm At 5,722 Psi..            On Perfs, 73.5 Bpm At 5,129 Psi., 10,976 Gals.            Stage Into 3.0# 20/40 CRC Prop, 73.5 Bpm At 5,090 Psi..            On Perfs, 73.6 Bpm At 4,857 Psi., 14,111 Gals.            Stage Into 3.5# 20/40 CRC Prop, 73.6 Bpm At 4,879 Psi..            On Perfs, 73.6 Bpm At 5,196 Psi., 12,034 Gals.            Cut Sand, Sharp Increase In Net.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..            Get ISDP, 4,195 Psi.. 0.84 Psi./Ft. F.G.. WSI And Secured.            Total 20/40 CRC Prop - 109,000#. 73% Of Designed.            Total Clean - 125,087 Gals.. 2,978 Bbls..            Produced Water - 71,478 Gals..            2% KCL - 51,661 Gals..            BWTR - 3,091 Bbls.            Max. Rate - 73.8 Bpm            Avg. Rate - 73.6 Bpm            Max. Psi. - 5,669 Psi.            Avg. Psi. - 5,126 Psi.</p>
06:00	0.00	06:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
06:00	1.34	07:20	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013.            Found And Correlated To Short Joint At 9,366 - 9,388'.            Drop Down To Depth, Set CBP At 10,170'. 3,000 Psi..            Perforate Stage 2 CR-4/CR-3 Zone, 9,857 - 10,150'. 45 Holes. 1,000 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
07:20	0.08	07:25	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
07:25	0.92	08:20	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16.            Open Well, 830 Psi. ICP. BrokeDown At 10.1 Bpm And 3,098 Psi..            Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 74.2 Bpm And 4,744 Psi., Get ISIP, 2,322 Psi.. 0.67 Psi./Ft. F.G.. 27/45 Holes.            Con't With SlickWater Pad, 48,356 Gals..            Stage Into Hybor Pad, 73.7 Bpm At 4,308 Psi..            On Perfs, 70.5 Bpm At 4,563 Psi., 12,085 Gals.            Stage Into 2.0# 20/40 CRC Prop, 70.2 Bpm At 4,526 Psi..            On Perfs, 70.4 Bpm At 4,118 Psi., 10,709 Gals.            Stage Into 3.0# 20/40 CRC Prop, 70.3 Bpm At 4,100 Psi..            On Perfs, 70.2 Bpm At 4,476 Psi., 14,097 Gals.            Cut Sand, Sharp Increase In Net.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..            Get ISDP, 2,656 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured.            Total 20/40 CRC Prop - 59,700#. 40% Of Designed.            Total Clean - 109,653 Gals.. 2,611 Bbls..            Produced Water - 70,794 Gals..            2% KCL - 36,891 Gals..            BWTR - 2,671 Bbls.            Max. Rate - 70.4 Bpm            Avg. Rate - 70.2 Bpm            Max. Psi. - 4,933 Psi.            Avg. Psi. - 4,368 Psi.</p>
08:20	0.17	08:30	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
08:30	1.25	09:45	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 9,366 - 9,388'. Drop Down To Depth, Set CBP At 9,845'. 0 Psi. Perforate Stage 3 CR-3/CR-2 Zone, 9,560 - 9,825'. 45 Holes. 0 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
09:45	0.08	09:50	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
09:50	1.00	10:50	FRAC	Frac. Job	Frac Stage 3. Fluid System: Hybor G 16. Open Well, 0 Psi. ICP. BrokeDown At 10.2 Bpm And 3,312 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.3 Bpm And 4,934 Psi., Get ISIP, 2,609 Psi.. 0.71 Psi./Ft. F.G.. 27/45 Holes. Con't With SlickWater Pad, 48,375 Gals.. Stage Into Hybor Pad, 74.6 Bpm At 4,440 Psi.. On Perfs, 74.1 Bpm At 4,640 Psi., 12,091 Gals. Stage Into 2.0# 20/40 White Prop, 74.1 Bpm At 4,655 Psi.. On Perfs, 74.2 Bpm At 4,203 Psi., 10,387 Gals. Stage Into 3.0# 20/40 White Prop, 74.2 Bpm At 4,156 Psi.. On Perfs, 74.2 Bpm At 3,944 Psi., 21,448 Gals. Cut Sand, Sharp Increase In Net. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,866 Psi.. 0.74 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 86,300#. 58% Of Designed. Total Clean - 117,180 Gals.. 2,790 Bbls.. Produced Water - 71,295 Gals.. 2% KCL - 43,926 Gals.. BWTR - 2,884 Bbls. Max. Rate - 74.4 Bpm Avg. Rate - 74.2 Bpm Max. Psi. - 4,657 Psi. Avg. Psi. - 4,291 Psi.
10:50	0.17	11:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:00	1.25	12:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 9,366 - 9,388'. Drop Down To Depth, Set CBP At 9,556'. 2,500 Psi.. Perforate Stage 4 CR-2/Wasatch Zone, 9,224 - 9,537'. 45 Holes. 2,200 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
12:15	0.08	12:20	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
12:20	1.08	13:25	FRAC	Frac. Job	Frac Stage 4. Fluid System: Hybor G 16. Open Well, 2,468 Psi. ICP. BrokeDown At 10.3 Bpm And 3,824 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.4 Bpm And 4,820 Psi., Get ISIP, 2,641 Psi.. 0.72 Psi./Ft. F.G.. 30/45 Holes. Con't With SlickWater Pad, 48,360 Gals.. Stage Into Hybor Pad, 74.6 Bpm At 4,223 Psi.. On Perfs, 74.3 Bpm At 4,576 Psi., 12,095 Gals. Stage Into 2.0# 20/40 White Prop, 74.3 Bpm At 4,589 Psi.. On Perfs, 74.1 Bpm At 4,036 Psi., 10,053 Gals. Stage Into 3.0# 20/40 White Prop, 74.1 Bpm At 4,010 Psi.. On Perfs, 74.1 Bpm At 3,816 Psi., 17,071 Gals. Stage Into 3.5# 20/40 White Prop, 74.2 Bpm At 3,779 Psi.. On Perfs, 74.2 Bpm At 3,761 Psi., 11,062 Gals. Stage Into 4.0# 20/40 White Prop, 74.0 Bpm At 6,680 Psi.. On Perfs, 74.2 Bpm At 3,675 Psi., 11,592 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,778 Psi.. 0.74 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 150,000#. Total Clean - 133,344 Gals.. 3,175 Bbls.. Produced Water - 69,533 Gals.. 2% KCL - 61,873 Gals.. BWTR - 3,335 Bbls. Max. Rate - 75.6 Bpm Avg. Rate - 74.1 Bpm Max. Psi. - 4,594 Psi. Avg. Psi. - 3,890 Psi.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:25	0.17	13:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
13:35	1.25	14:50	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 8,102 - 8,124'. Drop Down To Depth, Set CBP At 9,215'. 2,400 Psi.. Perforate Stage 5 CR-1 Zone, 8,898 - 9,195'. 45 Holes. 2,300 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
14:50	0.08	14:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
14:55	1.17	16:05	FRAC	Frac. Job	Frac Stage 4. Fluid System: Hybor G 16. Open Well, 2,320 Psi. ICP. BrokeDown At 10.1 Bpm And 3,218 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.5 Bpm And 3,983 Psi., Get ISIP, 2,346 Psi.. 0.70 Psi./Ft. F.G.. 35/45 Holes. Con't With SlickWater Pad, 51,583 Gals.. Stage Into .7# 100 Mesh Pad, 74.5 Bpm At 3,765 Psi.. On Perfs, 74.1 Bpm At 3,991 Psi., 19,758 Gals. Stage Into 1.0# 20/40 White Prop, 74.1 Bpm At 4,054 Psi.. On Perfs, 74.0 Bpm At 3,922 Psi., 9,746 Gals. Stage Into 2.0# 20/40 White Prop, 74.1 Bpm At 3,914 Psi.. On Perfs, 72.5 Bpm At 3,598 Psi., 9,743 Gals. Stage Into 3.0# 20/40 White Prop, 71.3 Bpm At 3,644 Psi.. On Perfs, 71.5 Bpm At 3,511 Psi., 18,220 Gals. Stage Into 3.5# 20/40 White Prop, 71.5 Bpm At 3,453 Psi.. On Perfs, 71.4 Bpm At 3,373 Psi., 10,725 Gals. Stage Into 4.0# 20/40 White Prop, 71.5 Bpm At 3,350 Psi.. On Perfs, 71.4 Bpm At 3,343 Psi., 11,260 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,496 Psi.. 0.71 Psi./Ft. F.G.. WSI And Secured. Total 100 Mesh - 14,700# Total 20/40 White Prop - 160,000#. Total Clean - 153,526 Gals.. 3,655 Bbls.. Produced Water - 72,125 Gals.. 2% KCL - 79,452 Gals.. BWTR - 3,846 Bbls. Max. Rate - 74.4 Bpm Avg. Rate - 72.6 Bpm Max. Psi. - 4,054 Psi. Avg. Psi. - 3,672 Psi.
16:05	0.17	16:15	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
16:15	1.25	17:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 8,102 - 8,124'. Drop Down To Depth, Set CBP At 8,888'. 1,800 Psi.. Perforate Stage 6 CR-1/UteLand Butte/Castle Peak Zone, 8,608 - 8,868'. 45 Holes. 1,500 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**5-10D-36 BTR 6/26/2013 06:00 - 6/27/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	HES AOL AT 06:15. HSM- HIGH PRESSURE, ACID, PPE, RED ZONE, BACKING EQUIP.LIFTING, SMOKING. RUN QC ON FLUID AND CHEMS. PRIME UP AND PRES TEST.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.25	08:15	FRAC	Frac. Job	<p>FRAC STG #6- CASTLE PEAK, UTELAND BUTTE, AND CR-1 PERFS 8608'-8868' 45 HOLES IN 15' NET.            PRESSURE TEST LINES TO 9300 PSI.            OPEN WELL W/ 0 PSI AT 06:54            BREAK DOWN 1074 PSI AT 7.0 BPM.            PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.8 BPM AT 1990 PSI.            FLUSH W/ 8405 GAL. 30.4 BPM AT 2814 PSI. ATTEMPT BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 71.9 BPM AT 3650 PSI. ISIP 2212. FG .69.            PERFS OPEN 36/45.            CONT FR PAD. 71.9 BPM AT 3553 PSI.            STAGE 100# MESH .75 PPA. PAD 71.5 BPM AT 3780 PSI. ON PERF 71.6 BPM AT 3774 PSI            STAGE TO 1 PPA 20/40 WHITE. 71.5 BPM AT 3727 PSI. ON PERF 71.6 BPM AT 3535 PSI.            STAGE TO 2 PPA 20/40 WHITE. 71.5 BPM AT 3494 PSI. ON PERFS 71.6 BPM AT 3305 PSI.            STAGE TO 3 PPA 20/40 WHITE. 71.5 BPM AT 3270 PSI. ON PERFS 71.5 BPM AT 3155 PSI.            STAGE TO 3.5 PPA 20/40 WHITE. 71.5 BPM AT 3155 PSI. ON PERFS 71.6 BPM AT 3126 PSI.            STAGE TO 4 PPA 20/40 WHITE. 71.5 BPM AT 3118 PSI. ON PERFS 71.5 BPM AT 3089 PSI.            FLUSH 72.0 BPM AT 3651 PSI.            WSI WITH 2500 PSI. TURN OVER TO WIRELINE.</p> <p>ISDP 2560, FG .73, MR 71.9 BPM, MP 3786 PSI, AR 71.6 BPM, AP 3384 PSI.            PMP 14,800 lbs 100# MESH                      160,000 lbs 20/40 WHITE. (TOTAL 174,800 lbs PROP )            SLK WTR 69,935 GAL                      20# HYBOR G (16) 79,174 GAL (TOTAL FLUID 153,015 GAL)            250 LBS SCALE SORB 3                      BWTR 3643 BBLS</p>
08:15	1.34	09:35	PFRT	Perforating	<p>PERF STG #7- PU EXELIS 5-1/2" CBP AND GUNS FOR STAGE 7 INTO LUB AND EQUALIZE 2200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8102'-8124'.            RUN DOWN AND SET CBP AT 8581' WITH 1900 PSI. PULL UP AND PERF BLACK SHALE AND CASTLE PEAK FORM 8219'-8561' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 2000 PSI.</p>



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
09:35	1.58	11:10	FRAC	Frac. Job	FRAC STG #7- BLACK SHALE AND CASTLE PEAK PERFS 8219'-8561' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9300 PSI. OPEN WELL W/ 1950 PSI AT 09:37 BREAK DOWN 2914 PSI AT 10.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 2529 PSI. FLUSH W/ 8025 GAL. 30.4 BPM AT 3042 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 72.2 BPM AT 3652 PSI. ISIP 1896. FG .67. PERFS OPEN 30/45. CONT FR PAD. 72.4 BPM AT 3401 PSI. STAGE 100# MESH .75 PPA. PAD 72.3 BPM AT 3330 PSI. ON PERF 72.2 BPM AT 3091 PSI STAGE TO 1 PPA 20/40 WHITE. 72.0 BPM AT 3426 PSI. ON PERF 71.9 BPM AT 3323 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.9 BPM AT 3299 PSI. ON PERFS 72.1 BPM AT 3149 PSI. STAGE TO 3 PPA 20/40 WHITE. 72.1 BPM AT 3075 PSI. ON PERFS 72.1 BPM AT 2990 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 72.1 BPM AT 3000 PSI. ON PERFS 72.1 BPM AT 2940 PSI. STAGE TO 4 PPA 20/40 WHITE. 72.0 BPM AT 32912 PSI. ON PERFS 72.0 BPM AT 2886 PSI. FLUSH 72.6 BPM AT 3282 PSI. WSI WITH 2100 PSI. TURN OVER TO WIRELINE.  ISDP 2134, FG .69, MR 72.4 BPM, MP 3434 PSI, AR 72.1 BPM, AP 3127 PSI. PMP 14,000 lbs 100# MESH 140,000 lbs 20/40 WHITE. (TOTAL 154,000 lbs PROP ) SLK WTR 62,437 GAL 20# HYBOR G (16) 71,299 GAL (TOTAL FLUID 137,636 GAL) 250 LBS SCALE SORB 3 BWTR 3277 BBLs
11:10	1.00	12:10	WLWK	Wireline	PU EXELIS 5-1/2" CBP AND SETTING TOOL INTO LUB AND EQUALIZE 2200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8102'-8124'. RUN DOWN AND SET CBP AT 8190' WITH 1900 PSI. WELL SHUT IN AND SECURE.
12:10	3.00	15:10	SRIG	Rig Up/Down	RDMO HES AND SLB.
15:10	14.83	06:00	GOP	General Operations	STACK WTR. MOVE FRAC LINE OFF.

**5-10D-36 BTR 6/27/2013 06:00 - 6/28/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
08:00	4.00	12:00	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 286 JTS ON RACKS & TALLY TBG.
12:00	4.00	16:00	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & 2.31 XN- NIPPLE. RIH P/U 2-7/8 L-80 TBG TO KILL PLUG @ 8190'
16:00	2.50	18:30	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. TEST CIRC EQUIPMENT & BOPE TO 2500 PSI, HELD.  D/O KILL PLUG @ 8190'. FCP- 400 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8561'. C/O SAND & D/O CBP @ 8581'. FCP- 200 ON 28/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL. SDFN. TURN WELL OVER TO FLOW BACK. SDFN.
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**5-10D-36 BTR 6/28/2013 06:00 - 6/29/2013 06:00**

API/UWI 43013509780000	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	7.50	14:30	DOPG	Drill Out Plugs	<p>FCP- 50 ON 24/64 CHOKE. SWIVEL IN HOLE, TAG SAND @ 8854'. BREAK CIRC. C/O SAND &amp; D/O CBP @ 8888'. FCP-100 ON 64/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 9151'. C/O SAND &amp; D/O CBP @ 9215'. FCP- 100 ON 64/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 9533'. C/O SAND &amp; D/O CBP @ 9556'. FCP- 100 ON 64/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 9720'. C/O SAND &amp; D/O CBP @ 9845'. FCP- 800 ON 64/64 CHOKE.</p> <p>SWIVEL IN HOLE. TAG SAND @ 10,020'. CIRC WELL CLEAN. C/O SAND &amp; D/O CBP @ 10,170'. FCP- 800 ON 30/64 CHOKE.</p> <p>SWIVEL IN HOLE, TAG SAND @ 10,398'. BREAK CIRC. PUMPING +/- 4.5 BPM, RETURNS +/- 1 BPM. VERY POOR CIRC. R/D SWIVEL.</p>
14:30	1.00	15:30	PULT	Pull Tubing	PULL ABOVE PERFS. TURN WELL OVER TO FLOW BACK.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626280
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013509780000	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/28/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. First production and first gas sales were received on 6/28/2013.		
		<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          July 12, 2013</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> 7/1/2013	

**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 \_\_\_\_\_

2. Name of Operator **BILL BARRETT CORPORATION** Contact: **CHRISTINA HIRTLER**  
E-Mail: **chirtler@billbarrettcorp.com**

3. Address **1099 18TH STREET SUITE 2300 DENVER, CO 80202** 3a. Phone No. (include area code) **Ph: 303-312-8597**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **SWNW 2347FNL 620FWL**  
At top prod interval reported below **SWNW 1967FNL 827FWL**  
At total depth **SWNW 1933FNL 823FWL**

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

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

8. Lease Name and Well No. **5-10D-36 BTR**

9. API Well No. **43-013-50978**

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

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

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

14. Date Spudded **04/03/2013** 15. Date T.D. Reached **05/25/2013** 16. Date Completed **06/28/2013**  
 D & A  Ready to Prod.

17. Elevations (DF, KB, RT, GL)\* **6269 GL**

18. Total Depth: MD **10717** TVD **10695** 19. Plug Back T.D.: MD **10600** TVD **10578** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **CBL,GR,CCL, MUD**

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
24.000	16.000 COND	65.0	0	80	80				
12.250	9.625 J-55	36.0	0	3518	3513	925	411	0	
8.750	5.500 P110	17.0	0	10717	10690	1630	568	2230	

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	8392							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	8219	9195	8219 TO 9195	0.380	135	OPEN
B) WASATCH	9224	10473	9224 TO 10473	0.380	183	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
8219 TO 9195	GREEN RIVER SEE ATTACHED STAGES 5-7
9224 TO 10473	WASATCH SEE ATTACHED STAGES 1-4

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
06/28/2013	06/30/2013	24	→	286.0	90.0	443.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	SI 100	850.0	→	286	90	443	315	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #214674 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

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	4663
				MAHOGANY	5627
				DOUGLAS CREEK	7700
				BLACK SHALE FACIES	8233
				CASTLE PEAK	8459
				UTELAND BUTTE	8820
				WASATCH	9224
				TD	10717

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. Conductor cemented with grout. Attached is the treatment data, and End of Well Report (logs will be mailed due to size. First Gas sales were 6/28/2013.

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 #214674 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal**

Name (please print) CHRISTINA HIRTLER Title ADMINISTRATIVE ASSISTANT

Signature (Electronic Submission) Date 07/23/2013

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 \*\***

RECEIVED: Jul. 24, 2013

**5-10D-36 BTR Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>					
<b>AMOUNT AND TYPE OF MATERIAL</b>					
<u>Stage</u>	<u>BBS Slurry</u>	<u>lbs 100 Common Mesh</u>	<u>lbs 20/40 SLC</u>	<u>lbs 20/40 White Sand</u>	<u>gal 15% HCl Acid</u>
1	3119		150000		3900
2	3106		150000		3900
3	3093			150000	3900
4	3079			150000	3900
5	3558	14796		160000	3900
6	3540	14760		160000	3900
7	3153	13018		140000	3900

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



**5-10D-36 BTR 5/6/2013 06:00 - 5/7/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	COMMENCE MOVE IN & RIG UP. FIRST LOAD (PREMIX TANK) ARRIVED 07:55 HRS. 95% MOVED, 5% RIGGED UP. SPOT 90% MATS & SPOT SUBSTRUCTURE. INSTALLING IRON ROUGHNECK (CONTINUE INSTALLING DURING RIG-UP).
20:00	10.00	06:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT.

**5-10D-36 BTR 5/7/2013 06:00 - 5/8/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT.
07:00	23.00	06:00	1	RIGUP & TEARDOWN	HELD PJSM. CONTINUE TO RIG UP. MAST ON RIG FLOOR AT 13:00 HRS. PREP MAST FOR RAISING. INSTALL CENTRIFUGE & MUD CLEANER. BROKE TOUR.

**5-10D-36 BTR 5/8/2013 06:00 - 5/9/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	SAFETY MEETING W/PRECISION BRASS.
07:00	19.50	02:30	1	RIGUP & TEARDOWN	CONTINUE TO RIG UP. MAST UP AT 09:30 HRS. INSTALL 16" RISER W/ROTATING HEAD WHILE RIG UP FLOOR & TOP DRIVE. RIG UP GAS BUSTER & FLARE SYSTEM.
02:30	3.50	06:00	6	TRIPS	MAKE UP 12 1/4 BHA.

**5-10D-36 BTR 5/9/2013 06:00 - 5/10/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	21	OPEN	TEST PUMPS/LINES TO 1300 PSI WHILE HOLDING SAFETY/PLANNING MEETING W/BOTH CREWS & TP.
06:15	6.00	12:15	2	DRILL ACTUAL	SPUD WELL @ 06:15 HRS, 5/9/13.  ROTATE DRILL 12 1/4 HOLE 97-327' MAKING DC CONNECTIONS & MAKING UP SPERRY SUBS/RR. ROP 38.3 FPH.
12:15	0.75	13:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 327-350' MAKING HWDP CONNECTIONS. ROP 30.7 FPH.
13:00	0.50	13:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE & TIGHTEN SAVER SUB ON TOP DRIVE.
13:30	0.25	13:45	8	REPAIR RIG	FINISH TIGHTEN SAVER SUB ON TOP DRIVE.
13:45	2.25	16:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 350-510' MAKING HWDP CONNECTIONS. ROP 71.1 FPH.
16:00	0.25	16:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 510-517'. ROP 28 FPH.
16:15	1.00	17:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 517-603'. ROP 86 FPH.
17:15	0.25	17:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 603-613'. ROP 40 FPH. ONE PUMP DOWN FROM 603'.
17:30	1.50	19:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 613-695'. ROP 54.7 FPH. ONE PUMP DOWN TO 695'.
19:00	0.25	19:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 695-702'. ROP 28 FPH.
19:15	0.75	20:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 702-792'. ROP 120 FPH.
20:00	0.25	20:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 792-798'. ROP 24 FPH.
20:15	3.75	00:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 798-1080'. ROP 75.2 FPH.  PRECISION POLICY DOESN'T ALLOW BUILDING A STAND W/STRING ROTATING. THEREFORE CONNECTIONS REQUIRING ~10 TO 15 MIN.
00:00	0.25	00:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1080-1087'. ROP 28 FPH.
00:15	2.25	02:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1087-1177'. ROP 40 FPH.  BLEW 3 NAILS W/LESS THAN 2100 PSI.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
02:30	0.50	03:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE & WORK ON PUMP POP-OFF.
03:00	0.25	03:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1177-1185'. ROP 32 FPH. ONE PUMP.
03:15	2.25	05:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1185-1275'. ROP 40 FPH. ONE PUMP 1195-1207'.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1275-1286'. ROP 22 FPH.

**5-10D-36 BTR 5/10/2013 06:00 - 5/11/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.25	10:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1286-1415'. ROP 30.4 FPH. CHANGED POP-OFF NAILS TO 90% FROM 80% @ 06:30 HRS.
10:15	0.75	11:00	5	COND MUD & CIRC	CIRCULATE, MIX/PUMP SLUG.
11:00	2.25	13:15	6	TRIPS	POH TO CHANGE JETS. BREAK OFF BIT.
13:15	0.50	13:45	6	TRIPS	CLEAN UP BIT & CHANGE NOZZLES TO 1.68 TFA. FROM 1.208.
13:45	1.50	15:15	6	TRIPS	MAKE UP BIT & RIH. NO HOLE TROUBLE.
15:15	2.00	17:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1415-1465'. ROP 25 FPH. VERY LITTLE PRESSURE REDUCTION SEEN FROM NOZZLE CHANGE.
17:15	0.50	17:45	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
17:45	8.25	02:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1465-1659'. ROP 23.5 FPH. ONE PUMP 1559-1563' & 1608-1655'.
02:00	0.50	02:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1659-1669'. ROP 20 FPH.
02:30	3.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1669-1760'. ROP 24.8 FPH.

**5-10D-36 BTR 5/11/2013 06:00 - 5/12/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1756-1766'. ROP 20 FPH.
06:30	0.50	07:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1766-1773'. ROP 14 FPH. BUILD SLUG.
07:00	2.25	09:15	6	TRIPS	POH FOR NEW BIT #2. BIT COND: 1-3-WT-S-X-I-BT-PR.
09:15	2.25	11:30	6	TRIPS	MAKE UP NEW BIT #2 & RIH. WASH LAST 18' TO BOTTOM.
11:30	2.00	13:30	2	DRILL ACTUAL	BREAK IN BIT & ROTATE DRILL 12 1/4 HOLE 1773-1850'. ROP 38.5 FPH.
13:30	0.25	13:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1850-1858'. ROP 32 FPH.
13:45	1.75	15:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1858-1947'. ROP 50.8 FPH. DRILL W/ONE PUMP WHILE CHANGING PUMP LINERS TO 6" 1947-2045'.
15:30	0.50	16:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
16:00	0.25	16:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 1947-1954'. ROP 28 FPH.
16:15	4.25	20:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 1954-2043'. ROP 20.9 FPH. STILL CHANGING PUMP LINERS.
20:30	0.25	20:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2043-2051'. ROP 32 FPH. TREATING SEEPAGE LOSSES W/LCM SWEEPS.
20:45	2.50	23:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2051-2139'. ROP 35.2 FPH.
23:15	0.25	23:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2139-2147'. ROP 32 FPH.
23:30	2.25	01:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2147-2236'. ROP 39.6 FPH. LOSSES INCREASED TO ~60 BPH AT 2157'. BYPASS SHAKERS & BUILD LCM TO 15% IN SYSTEM.
01:45	0.50	02:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2236-2246'. ROP 20 FPH.
02:15	2.50	04:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2246-2332'. ROP 34.4 FPH.
04:45	0.50	05:15	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2332-2342'. ROP 20 FPH.
05:15	0.75	06:00	2	DRILL ACTUAL	ROTATE DRILL 12 1.4 HOLE 2342-2370'. ROP 37.3 FPH. LOSING ~ 52 BPH. SHAKERS BYPASSED, MIXING LCM.

**5-10D-36 BTR 5/12/2013 06:00 - 5/13/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2370-2428'. ROP 58 FPH. INCREASING LCM IN SYSTEM TO 15%, NOW 5%.	
07:00	0.50	07:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.	
07:30	0.25	07:45	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2428-2438'. ROP 40 FPH. LOSSES APPEAR TO HAVE STOPPED.	
07:45	2.75	10:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2438-2525'. ROP 31.6 FPH. START SCREENING OUT LCM AT 09:00.	
10:30	0.50	11:00	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2525-2540'. ROP 15 FPH.	
11:00	0.50	11:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2540-2554'. LOST ALL RETURNS.	
11:30	0.50	12:00	5	COND MUD & CIRC	PICK UP STRING, SLOW PUMP RATE & PUMPED 30% LCM SWEEP & REGAINED RETURNS. BYPASS SHAKERS.	
12:00	0.25	12:15	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2554-2558'. ROP 16 FPH. LOST ALL RETURNS AGAIN.	
12:15	4.25	16:30	5	COND MUD & CIRC	SLOWED PUMP RATE & PUMP LCM SWEEP W/NO RESULTS. SPOT 2ND SWEEP OUTSIDE STRING & PULL 4 STANDS. WORK STRING & ALLOW LCM TO SOAK. PULL ROTATING RUBBER. FILL BACKSIDE W/10 BBL EVERY 15 MIN. BUILD MUD VOLUME. MUD LEVEL OUT OF SIGHT. MUD LEVEL IN SIGHT AFTER 30 BBL. HOLE ALMOST FILLED AFTER 40 BBL, BUT LEVEL STILL FALLING. MIXED 30% LCM IN SUCTION TANK.	
16:30	6.25	22:45	5	COND MUD & CIRC	RUN BACK 2 STANDS & SPOT 80 BBL 30% LCM @ 2426'. PULL 2 STANDS TO 2232'. FILL BACKSIDE W/10 BBL EVERY 15 MIN. AT BEGINNING, MUD LEVEL ~20' DOWN & FALLING SLOWLY, AFTER EVERY FILL MUD LEVEL FALLING SLOWER. FILL TWICE MORE & LEVEL FALLING LESS. HOLE STAYING FULL AFTER 3 FILLS. START PUMPS AT 50 STROKES, STAGING UP TO DRILLING STROKES 10 STROKES EVERY 5 MIN.	
22:45	1.25	00:00	5	COND MUD & CIRC	RIH 4 STANDS & STAGE UP PUMPS TO DRILLING RATE. NO LOSSES.	
00:00	2.00	02:00	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2558-2622'. ROP 32 FPH.	
02:00	0.50	02:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2622-2634'. ROP 24 FPH.	
02:30	2.00	04:30	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2634-2720'. ROP 43 FPH.	
04:30	1.00	05:30	2	DRILL ACTUAL	SLIDE DRILL 12 1/4 HOLE 2720-2736'. ROP 16 FPH.	
05:30	0.25	05:45	2	DRILL ACTUAL	ROTATE DRILL 12 1/4 HOLE 2736-2745'. 36 FPH. MW 8.7 PPG.	

**5-10D-36 BTR 5/13/2013 06:00 - 5/14/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.25	17:15	2	DRILL ACTUAL	DRLG 12 1/4" HOLE F/ 2750' TO 3004' ( 254' IN 11.25 HR = 22.6 FPH) SLIDE: 88' IN 6 HR = 14.7 FPH, ROTATE: 166' IN 31.6 FPH.	
17:15	0.50	17:45	7	LUBRICATE RIG	RIG SERVICE	
17:45	10.50	04:15	2	DRILL ACTUAL	DRLG F/ 3004' TO 3199' (195' IN 10.5 HR = 18.5 FPH) SLIDE: 90' IN 7.5 HR = 12 FPH, ROTATE: 105' IN 3 HR = 35 FPH.	
04:15	1.75	06:00	8	REPAIR RIG	STAND PIPE WASHED OUT WO WELDER. TOOH 4 STDS	

**5-10D-36 BTR 5/14/2013 06:00 - 5/15/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.25	06:15	8	REPAIR RIG	TIH, AFTER WELDING MUD LINE	
06:15	6.25	12:30	2	DRILL ACTUAL	DRLG 12 1/4" HOLE F/ 3199' TO 3295' (96' IN 6.25 HR = 14.8 FPH) SLIDE: 50' IN 5.25 HR = 9.5 FPH, ROTATE: 46' IN 1 HR = 46 FPH.	
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE	
13:00	9.50	22:30	2	DRILL ACTUAL	DRLG F/ 3295' TO 3518' (223' IN 9.5 HR = 23.5 FPH) SLIDE: 65' IN 4.25 HR = 15.3 FPH, ROTATE: 158' IN 5.25 = 30.1 FPH. SHAKE OUT ALL LCM. NO LOSSES.	
22:30	0.75	23:15	5	COND MUD & CIRC	CIRC. CON D F/ CASING	



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
23:15	1.75	01:00	6	TRIPS	S TRIP 19 STDS	
01:00	0.75	01:45	5	COND MUD & CIRC	CIRC. SWEEP	
01:45	4.25	06:00	6	TRIPS	TOOH, L/D 8" TOOLS	

**5-10D-36 BTR 5/15/2013 06:00 - 5/16/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.50	06:30	6	TRIPS	L/D 8' TOOLS	
06:30	4.00	10:30	12	RUN CASING & CEMENT	HSM RIG UP WEATHERFORD. RUN CASING.FC (1.46), SHOE JT (43.97), FC (.96) 79 JT S 9 5/8" 36# J55 ST&C CASING LANDED @ 3513' MADE UP W/ BESTOLIFE DOPE TO 3940 FT/BL.	
10:30	2.00	12:30	5	COND MUD & CIRC	CIRC. W/ RIG PUMP. PUMPED 40 BL 30% LCM PILLFOLLOWED W/ 22% LCM MUD LOST 942 BLS MUD WITH OUT GETTING RETURNS.	
12:30	3.50	16:00	12	RUN CASING & CEMENT	HSM SWAP HES AND CEMENT. 20 BLS H2O, 40 BLS SUPERFLUSH, 20 BLS H2O, 337 BLS HCL PREIMIUM 600 SKS 113 3.16 YEILD W/ .125 LB POLY-E-FLAKE, 5 LB SILACALITE, .25 KWIK SEAL. TAILED W/ 56.8 BL PREIMIUM PLUS TYPE III 14.8# 1.33 YEILD W/ .125 POLY-E-FLAKE, 2% CACL.DISPLACEDW/ 268 BLS H2O. GOT PATIAL RETURNS WHILE MIXING TAIL CEMENT. LOST REURNS WHILE DROPPING PLUG.	
16:00	0.50	16:30	15	TEST B.O.P	TEST CASING TO 1500# F/ 30 MINS	
16:30	3.50	20:00	13	WAIT ON CEMENT	WOC	
20:00	1.00	21:00	12	RUN CASING & CEMENT	TOP OUT W/ 17 BLS CLASS G CEMENT85 SKS W/ 4% CACL. CEMENT DID NOT FALL.	
21:00	2.00	23:00	13	WAIT ON CEMENT	WOC	
23:00	4.00	03:00	14	NIPPLE UP B.O.P	CUT OF AND WELD ON WELL HEAD TEST TO 100# F/ 10 MINS	
03:00	3.00	06:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP	

**5-10D-36 BTR 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	6.50	12:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP	
12:30	4.00	16:30	15	TEST B.O.P	TEST BOPS. TEST ALL RAMS AND VALVES TO 5000# F/ 10 MINS. TEST ANNULAR TO 2500# F/ 10 MINS. TEST CHOKE TO 1000# F/ 10 MINS	
16:30	1.50	18:00	22	OPEN	CHANGE OUT KELLY VALVE. LEAKED ON TEST	
18:00	1.25	19:15	9	CUT OFF DRILL LINE	CUT DRLG LINE	
19:15	0.50	19:45	14	NIPPLE UP B.O.P	INSTALL WEAR BUSHING	
19:45	1.25	21:00	20	DIRECTIONAL WORK	PICK UP BHA, ORENTATE MWD	
21:00	2.50	23:30	6	TRIPS	TIH	
23:30	0.50	00:00	7	LUBRICATE RIG	RIG SERVICE	
00:00	6.00	06:00	8	REPAIR RIG	WO GENERATOR. ONE COMING F/ NOTH DAKOTA.	

**5-10D-36 BTR 5/17/2013 06:00 - 5/18/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	8	REPAIR RIG	WO GENERATOR. COMING F/ NORTH DAKOTA. ARIVED ON LOC @ 01:00. STILL INSTALLING.	

**5-10D-36 BTR 5/18/2013 06:00 - 5/19/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	4.00	10:00	8	REPAIR RIG	INSALL GENERATOR 34 HRS TOTAL.	
10:00	0.50	10:30	7	LUBRICATE RIG	RIG SERVICE, THIGHTEN CLAMP ON KELLY VALVE	
10:30	1.50	12:00	22	OPEN	DRILLOUT SHOE TRACK	
12:00	1.00	13:00	23	OPEN	EMW 180 PSI W/ 8.4 MW = 9.5 @ 3525'.	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	5.00	18:00	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 3518' TO 3945' (427' IN 5 HR = 85.4 FPH) SLIDE: 46' IN .75 HR = 61.3 FPH, ROTATE: 381' IN 4.25 HR = 89.6 FPH.
18:00	12.00	06:00	2	DRILL ACTUAL	DRLG F/ 3945' TO 4855 (910' IN 12 HR = 75.8 FPH) SLIDE: 190' IN 4.75 HR = 40 FPH, ROTATE: 720' IN 7.25 HR = 99.3 FPH. LOSING 80 BLS/HR OF MUD. 12.29' RIGHT AND 16.22 LOW OF PLAN.

**5-10D-36 BTR 5/19/2013 06:00 - 5/20/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 4855 TO 4865' @ 20 FPH ROTATING. BIT TORQUEING UP
06:30	0.50	07:00	5	COND MUD & CIRC	CIRC. LCMSWEEP IN TO HOLE PUMP DRY SLUG.
07:00	6.00	13:00	6	TRIPS	TRIP F/ BIT #4.
13:00	5.00	18:00	2	DRILL ACTUAL	DRLG F/ 4865 TO 5220' (355' IN 5 HR = 71 FPH) SLIDE: 55' IN 1.25 HR = 44 FPH, ROTATE: 300' IN 3.75 HR = 80 FPH.
18:00	12.00	06:00	2	DRILL ACTUAL	DRLG F/ 5220' TO 5980' (760' IN 12 HR = 63.3 FPH) SLIDE: 171' IN 5.5 HR = 31 FPH, ROTATE: 589' IN 6.5 HR = 90.6 FPH. BY PASS SHAKERS AND RUNNIN 10% LCM.

**5-10D-36 BTR 5/20/2013 06:00 - 5/21/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 5980' TO 6345' (365' IN 6.5 HR = 56.2 FPH) SLIDE: 42' IN 1.75 HR = 24 FPH, ROTATE: 323' IN 4.75 HR = 68 FPH.
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	4.50	17:30	2	DRILL ACTUAL	DRLG F/ 6345' TO 6530' (185' IN 4.5 HR = 41 FPH) SLIDE: 18' IN 1.25 HR = 14.4 FPH, ROTATE: 167' IN 3.25 HR = 51.4 FPH. DIFFERENTIAL SPIKING BLOWED THE NAIL 3 TIMES
17:30	0.50	18:00	5	COND MUD & CIRC	CIRC. PUMP SLUG
18:00	7.50	01:30	6	TRIPS	TRIP F/ BIT #5
01:30	4.50	06:00	2	DRILL ACTUAL	DRLG F/ 6530' TO 6725' (195' IN 4.5 HR = 43.3 FPH) SLIDE: 48' IN 1.75 HR = 27.4 FPH, ROTATE: 147' IN 2.75 HR = 53.5 FPH. SLILL BY PASSED W/ 10% LCM. 7.73' RIGHT AND 10.85' LOW OF PLAN.

**5-10D-36 BTR 5/21/2013 06:00 - 5/22/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/6725' TO 6981' (256' IN 6.5 HR = 39.4 FPH) SLIDE: 53' IN 3.75 HR = 14.1 FPH, ROTATE: 199' IN 2.75 HR = 72.4 FPH
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	0.25	13:15	22	OPEN	X/O 2 SEAT AND 3 VALVES #1 PUMP
13:15	11.50	00:45	6	TRIPS	TRIP F/ MM. X/O BIT F/ SHORTER GUAGE.
00:45	5.25	06:00	2	DRILL ACTUAL	DRLG F/ 6981' TO 7309' (328' IN 5.25 HR = 62.5 FPH) SLIDE: 42' IN 1 HR = 42 FPH, ROTATE: 286' IN 4.25 HR = 67.3 FPH. 12.24' LOW 18.77' RIGHT OF PLAN. DRILLING W/ NO LCM IN MUD.

**5-10D-36 BTR 5/22/2013 06:00 - 5/23/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 7309' TO 7647' (338' IN 6 HR = 56.3) FPH) SLIDE: 73' IN 1.75 HR = 41.7 FPH, ROTATE: 265' IN 4.25 HR = 62.4 FPH.
12:00	0.25	12:15	7	LUBRICATE RIG	RIG SERVICE
12:15	8.75	21:00	2	DRILL ACTUAL	DRLG F/ 7647' TO 8544' (897' IN 8.75 IN 102 FPH FPH) SLIDE: 59' IN 1.75 HR = 33.7 FPH, ROTATE: 838' IN 7 HR = 119 FPH.
21:00	0.50	21:30	22	OPEN	WORK OUT TORQUE REAMER WOULD NOT TURN
21:30	0.25	21:45	2	DRILL ACTUAL	DRLG F/ 8544' TO 8558' ROTATING @ 56 FPH
21:45	0.25	22:00	7	LUBRICATE RIG	RIG SERVICE

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:00	0.25	22:15	21	OPEN	X/O SWAB IN #2 PUMP
22:15	7.75	06:00	2	DRILL ACTUAL	DRLG F/ 8544' TO 8855' (311' IN 7.75 HR = 40 FPH) SLIDE:59' IN 3.25 HR = 18.2 FPH, ROATATE: 252' IN 4.5 HR = 56 FPH. 17' F/ CENTER.

**5-10D-36 BTR 5/23/2013 06:00 - 5/24/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/8855' TO 8876' 21' @ 42 FPH ROTATING DIFFERNTAL SKIPING, BLOW POP OFF
06:30	0.50	07:00	5	COND MUD & CIRC	CIRC. PUMP DRY SLUG
07:00	7.00	14:00	6	TRIPS	TRIP F/ BIT
14:00	1.00	15:00	9	CUT OFF DRILL LINE	CUT DRLG LINE
15:00	2.50	17:30	6	TRIPS	TIH
17:30	8.25	01:45	2	DRILL ACTUAL	DRLG F/ 8876' TO 9329' (453 IN 8.25 HR =54.9 FPH) SLIDE:6' IN .25 HR = 24 FPH, ROTATE: 447' IN 7.75 HR = 57.7 FPH.
01:45	0.25	02:00	7	LUBRICATE RIG	RIG SERVICE
02:00	3.25	05:15	2	DRILL ACTUAL	DRLG F/ 9329' TO 9516' (187' IN 3.25 HR = 57.5 FPH) ROTATING. WHILE RAISING WT TO 9.2 LOST RETURNS.
05:15	0.75	06:00	5	COND MUD & CIRC	MIX LCM HAVE 30% GOING DOWN HOLE. PUMPING @ 2.8 BL/MIN.

**5-10D-36 BTR 5/24/2013 06:00 - 5/25/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	MIX LCM 30% GOING DOWN
09:00	5.50	14:30	2	DRILL ACTUAL	DRLG8 3/4" HOLE F/ 9516' TO 9808' (292' IN 5.5 HR = 53.1 FPH) SLIDE: 6' IN .5 HR = 12 FPH, ROTATE: 286' IN 5 HR = 57.2 FPH.
14:30	0.50	15:00	7	LUBRICATE RIG	RIG SERVICE
15:00	15.00	06:00	2	DRILL ACTUAL	DRLG F/ 9808' TO 10410' @ 40.1 FPH

**5-10D-36 BTR 5/25/2013 06:00 - 5/26/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/10410' TO 10675' @ 40 FPH ROTATING
12:30	0.50	13:00	7	LUBRICATE RIG	RIG SERVICE
13:00	0.50	13:30	2	DRILL ACTUAL	DRLG F/ 10675' TO 10700' @ 50 FPH.
13:30	1.00	14:30	5	COND MUD & CIRC	CIRC. COND F/ LOGS
14:30	2.00	16:30	6	TRIPS	SHORT TRIP 25 STDS
16:30	1.00	17:30	5	COND MUD & CIRC	CIRC. COND F/ LOGS
17:30	6.50	00:00	6	TRIPS	TOOH F/ LOGS L/D REAMERS AND MWD
00:00	6.00	06:00	11	WIRELINE LOGS	HSM RIG UP HES RUN QUAD COMBO.

**5-10D-36 BTR 5/26/2013 06:00 - 5/27/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	14	NIPPLE UP B.O.P	PULLWEAR BUSHING
06:30	6.25	12:45	6	TRIPS	TIH
12:45	1.25	14:00	5	COND MUD & CIRC	CIRC COND F/ CASING
14:00	10.50	00:30	6	TRIPS	LDDP AND DCS
00:30	5.50	06:00	12	RUN CASING & CEMENT	HSM, RIG UP WEATERFORD AND RUN CASING. FS (1.00'), 2 SHOE JTS (89.12'), FC (1.00'), 28 JTS 5 1/2" 17# P110 LT&C CASING(1207.71'), MARKER JT (22.20'), 28 JT CASING (1243.31'), MARKER JT (22.25'), 184 JT CASING (8107.19'). MADE W/ BESTOLIF DOPE TO 4620 FT/LB.

**5-10D-36 BTR 5/27/2013 06:00 - 5/28/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	5.25	11:15	12	RUN CASING & CEMENT	FINISH RUNNING 5 1/2, 17#, P-110, LTC, R3 CASING FROM 4089' TO 10690'. LAND W/SHOE @ 10690', FLOAT COLLAR @ 10598'.	
11:15	2.25	13:30	5	COND MUD & CIRC	MAKE UP CIRC SWEDGE & CIRC CASING 1.5 BOTTOMS UP W/FULL RETURNS. STAGE UP PUMPS FROM 146 GPM TO 440 GPM. RIG DOWN WEATHERFORD CASERS & RIG UP HALLIBURTON CEMENTERS.	
13:30	4.50	18:00	12	RUN CASING & CEMENT	HELD PJSM, REMOVE CIRC SWEDGE & INSTALL CEMENT HEAD.  HOWCO PUMPED 3 BBL WATER, TEST LINE TO 5000 PSI, 7 BBL WATER, 40 BBL SUPER FLUSH 101 @ 10 PPG, 10 BBL WATER, 970 SX (400 BBL) TUNED LIGHT+ 0.35 PPS HALAD 344 + 1.0 PPS HR-601 + 5.0 PPS BENTONITE + 0.125 PPS POLY-E-FLAKE + 1.0 PPS GRANULITE @ 11 PPG FOLLOWED BY 660 SX CLASS G (168 BBL) + 35.25 PPS POZMIX A + 3% BENTONITE + 0.3% HALAD-344 + 3 PPS SILICALITE + 0.3% SUPER CBL + 0.1% SA-1015 + 1 PPS GRANULITE + 0.125 PPS POLY-E-FLAKE @ 13.5 PPG. DROPPED PLUG & DISPLACED W/246 BBL WATER + 0.3 GAL/1000 CLA-WEB + 0.15 GAL/1000 ALDACIDE. BUMPED PLUG W/450 PSI OVER FDP, TOTAL PRESSURE 3000 PSI. HELD 10 MIN, BLEED OFF 2.5 BBL & FLOATS HELD. RIG DOWN CEMENTERS.  MAINTAINED FULL RETURNS UNTIL 160 BBL DISPLACEMENT & LOST ALL RETURNS @ 170 BBL DISPLACEMENT.	
18:00	2.00	20:00	12	RUN CASING & CEMENT	CIRCULATE WATER THRU BOP. RIG UP & LIFT BOP & CASING. INSTALL CASING SLIPS & LAND CASING ON SLIPS W/30K OVER CASING WT. ROUGH CUT CASING & LAY DOWN CUT-OFF. FINAL CUT CASING & SET BOP BACK ON WH.	
20:00	10.00	06:00	14	NIPPLE UP B.O.P	NIPPLE DOWN & SEPARATE BOP & REMOVE FROM CELLAR. COMMENCE CLEANING MUD TANKS.	

**5-10D-36 BTR 5/28/2013 06:00 - 5/28/2013 09:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.00	09:00	1	RIGUP & TEARDOWN	FINISH CLEANING MUD TANKS.  RELEASE RIG TO MOVE TO RU 21-41 @ 09:00 HRS, 5/28/13.	

**5-10D-36 BTR 6/3/2013 06:00 - 6/4/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.	
07:00	3.00	10:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides.N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16' x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.	
10:00	20.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.	

**5-10D-36 BTR 6/4/2013 06:00 - 6/5/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.	
07:00	2.00	09:00	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.	
09:00	7.00	16:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 10,514', Drilling Report Shows FC At 10,599', 85' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 10,514', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 05-27-2013. Run Repeat Section From 10,514 - 10,200', Log Up Hole. Showed Good Bond From TD To 9,730, 9,730 - 9,000' Fair, 9,000 - 8,200 Very Good, 8,200 - 3,000 Good. TOC 3,000'. Found Short Joints At 9,366 - 9,388 And 8,102 - 8,124'. Ran With Pressure. Pooh, RD Equipment, MOL.	
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured	



**5-10D-36 BTR 6/21/2013 06:00 - 6/22/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Filling Frac Line. Set Frac Mandrel, Test. Set Frac Tree, Test Casing. Plumb In FlowBack/SandTrap, Test.

**5-10D-36 BTR 6/23/2013 06:00 - 6/24/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Heat KCL. HES Set Mover And Manifold. Prep For Frac.

**5-10D-36 BTR 6/24/2013 06:00 - 6/25/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.33	09:19	LOCL	Lock Wellhead & Secure	WSI And Secured. Wireline Crew Arrive On Location. Hold Safety Meeting. Rig Up Lubricator, Arm Gun.
09:19	1.17	10:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 9,366 - 9,388'. Drop Down To Depth, Perforate Stage 1 CR-5/CR-4A/CR-4 Zone, 10,197 - 10,473'. 48 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:30	4.50	15:00	SRIG	Rig Up/Down	HES Rigging Up
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**5-10D-36 BTR 6/25/2013 06:00 - 6/26/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:00	0.00	06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16.            Open Well, 24 Psi. ICP. BrokeDown At 9.6 Bpm And 3,720 Psi..            Pump 3900 Gals. 15% HCL And 98 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 70.4 Bpm And 6,400 Psi., Get ISIP, 3,271 Psi.. 0.76 Psi./Ft.            F.G.. 27/48 Holes.            Con't With SlickWater Pad, 48,376 Gals..            Stage Into Hybor Pad, 73.9 Bpm At 5,396 Psi..            On Perfs, 73.6 Bpm At 5,708 Psi., 12,190 Gals.            Stage Into 2.0# 20/40 CRC Prop, 73.6 Bpm At 5,722 Psi..            On Perfs, 73.5 Bpm At 5,129 Psi., 10,976 Gals.            Stage Into 3.0# 20/40 CRC Prop, 73.5 Bpm At 5,090 Psi..            On Perfs, 73.6 Bpm At 4,857 Psi., 14,111 Gals.            Stage Into 3.5# 20/40 CRC Prop, 73.6 Bpm At 4,879 Psi..            On Perfs, 73.6 Bpm At 5,196 Psi., 12,034 Gals.            Cut Sand, Sharp Increase In Net.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..            Get ISDP, 4,195 Psi.. 0.84 Psi./Ft. F.G.. WSI And Secured.            Total 20/40 CRC Prop - 109,000#. 73% Of Designed.            Total Clean - 125,087 Gals.. 2,978 Bbls..            Produced Water - 71,478 Gals..            2% KCL - 51,661 Gals..            BWTR - 3,091 Bbls.            Max. Rate - 73.8 Bpm            Avg. Rate - 73.6 Bpm            Max. Psi. - 5,669 Psi.            Avg. Psi. - 5,126 Psi.</p>
06:00	0.00	06:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
06:00	1.34	07:20	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013.            Found And Correlated To Short Joint At 9,366 - 9,388'.            Drop Down To Depth, Set CBP At 10,170'. 3,000 Psi..            Perforate Stage 2 CR-4/CR-3 Zone, 9,857 - 10,150'. 45 Holes. 1,000 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
07:20	0.08	07:25	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
07:25	0.92	08:20	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16.            Open Well, 830 Psi. ICP. BrokeDown At 10.1 Bpm And 3,098 Psi..            Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 74.2 Bpm And 4,744 Psi., Get ISIP, 2,322 Psi.. 0.67 Psi./Ft.            F.G.. 27/45 Holes.            Con't With SlickWater Pad, 48,356 Gals..            Stage Into Hybor Pad, 73.7 Bpm At 4,308 Psi..            On Perfs, 70.5 Bpm At 4,563 Psi., 12,085 Gals.            Stage Into 2.0# 20/40 CRC Prop, 70.2 Bpm At 4,526 Psi..            On Perfs, 70.4 Bpm At 4,118 Psi., 10,709 Gals.            Stage Into 3.0# 20/40 CRC Prop, 70.3 Bpm At 4,100 Psi..            On Perfs, 70.2 Bpm At 4,476 Psi., 14,097 Gals.            Cut Sand, Sharp Increase In Net.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..            Get ISDP, 2,656 Psi.. 0.70 Psi./Ft. F.G.. WSI And Secured.            Total 20/40 CRC Prop - 59,700#. 40% Of Designed.            Total Clean - 109,653 Gals.. 2,611 Bbls..            Produced Water - 70,794 Gals..            2% KCL - 36,891 Gals..            BWTR - 2,671 Bbls.            Max. Rate - 70.4 Bpm            Avg. Rate - 70.2 Bpm            Max. Psi. - 4,933 Psi.            Avg. Psi. - 4,368 Psi.</p>
08:20	0.17	08:30	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
08:30	1.25	09:45	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013.            Found And Correlated To Short Joint At 9,366 - 9,388'.            Drop Down To Depth, Set CBP At 9,845'. 0 Psi..            Perforate Stage 3 CR-3/CR-2 Zone, 9,560 - 9,825'. 45 Holes. 0 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
09:45	0.08	09:50	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:50	1.00	10:50	FRAC	Frac. Job	<p>Frac Stage 3. Fluid System: Hybor G 16.            Open Well, 0 Psi. ICP. BrokeDown At 10.2 Bpm And 3,312 Psi..            Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 74.3 Bpm And 4,934 Psi., Get ISIP, 2,609 Psi.. 0.71 Psi./Ft.            F.G.. 27/45 Holes.            Con't With SlickWater Pad, 48,375 Gals..            Stage Into Hybor Pad, 74.6 Bpm At 4,440 Psi..            On Perfs, 74.1 Bpm At 4,640 Psi., 12,091 Gals.            Stage Into 2.0# 20/40 White Prop, 74.1 Bpm At 4,655 Psi..            On Perfs, 74.2 Bpm At 4,203 Psi., 10,387 Gals.            Stage Into 3.0# 20/40 White Prop, 74.2 Bpm At 4,156 Psi..            On Perfs, 74.2 Bpm At 3,944 Psi., 21,448 Gals.            Cut Sand, Sharp Increase In Net.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..            Get ISDP, 2,866 Psi.. 0.74 Psi./Ft. F.G.. WSI And Secured.            Total 20/40 White Prop - 86,300#. 58% Of Designed.            Total Clean - 117,180 Gals.. 2,790 Bbls..            Produced Water - 71,295 Gals..            2% KCL - 43,926 Gals..            BWTR - 2,884 Bbls.            Max. Rate - 74.4 Bpm            Avg. Rate - 74.2 Bpm            Max. Psi. - 4,657 Psi.            Avg. Psi. - 4,291 Psi.</p>
10:50	0.17	11:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:00	1.25	12:15	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013.            Found And Correlated To Short Joint At 9,366 - 9,388'.            Drop Down To Depth, Set CBP At 9,556'. 2,500 Psi..            Perforate Stage 4 CR-2/Wasatch Zone, 9,224 - 9,537'. 45 Holes. 2,200 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
12:15	0.08	12:20	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
12:20	1.08	13:25	FRAC	Frac. Job	<p>Frac Stage 4. Fluid System: Hybor G 16.            Open Well, 2,468 Psi. ICP. BrokeDown At 10.3 Bpm And 3,824 Psi..            Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 74.4 Bpm And 4,820 Psi., Get ISIP, 2,641 Psi.. 0.72 Psi./Ft.            F.G.. 30/45 Holes.            Con't With SlickWater Pad, 48,360 Gals..            Stage Into Hybor Pad, 74.6 Bpm At 4,223 Psi..            On Perfs, 74.3 Bpm At 4,576 Psi., 12,095 Gals.            Stage Into 2.0# 20/40 White Prop, 74.3 Bpm At 4,589 Psi..            On Perfs, 74.1 Bpm At 4,036 Psi., 10,053 Gals.            Stage Into 3.0# 20/40 White Prop, 74.1 Bpm At 4,010 Psi..            On Perfs, 74.1 Bpm At 3,816 Psi., 17,071 Gals.            Stage Into 3.5# 20/40 White Prop, 74.2 Bpm At 3,779 Psi..            On Perfs, 74.2 Bpm At 3,761 Psi., 11,062 Gals.            Stage Into 4.0# 20/40 White Prop, 74.0 Bpm At 6,680 Psi..            On Perfs, 74.2 Bpm At 3,675 Psi., 11,592 Gals.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf..            Get ISDP, 2,778 Psi.. 0.74 Psi./Ft. F.G.. WSI And Secured.            Total 20/40 White Prop - 150,000#. Total Clean - 133,344 Gals.. 3,175 Bbls..            Produced Water - 69,533 Gals..            2% KCL - 61,873 Gals..            BWTR - 3,335 Bbls.            Max. Rate - 75.6 Bpm            Avg. Rate - 74.1 Bpm            Max. Psi. - 4,594 Psi.            Avg. Psi. - 3,890 Psi.</p>
13:25	0.17	13:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
13:35	1.25	14:50	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013.            Found And Correlated To Short Joint At 8,102 - 8,124'.            Drop Down To Depth, Set CBP At 9,215'. 2,400 Psi..            Perforate Stage 5 CR-1 Zone, 8,898 - 9,195'. 45 Holes. 2,300 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
14:50	0.08	14:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
14:55	1.17	16:05	FRAC	Frac. Job	Frac Stage 4. Fluid System: Hybor G 16. Open Well, 2,320 Psi. ICP. BrokeDown At 10.1 Bpm And 3,218 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.5 Bpm And 3,983 Psi., Get ISIP, 2,346 Psi.. 0.70 Psi./Ft. F.G.. 35/45 Holes. Con't With SlickWater Pad, 51,583 Gals.. Stage Into .7# 100 Mesh Pad, 74.5 Bpm At 3,765 Psi.. On Perfs, 74.1 Bpm At 3,991 Psi., 19,758 Gals. Stage Into 1.0# 20/40 White Prop, 74.1 Bpm At 4,054 Psi.. On Perfs, 74.0 Bpm At 3,922 Psi., 9,746 Gals. Stage Into 2.0# 20/40 White Prop, 74.1 Bpm At 3,914 Psi.. On Perfs, 72.5 Bpm At 3,598 Psi., 9,743 Gals. Stage Into 3.0# 20/40 White Prop, 71.3 Bpm At 3,644 Psi.. On Perfs, 71.5 Bpm At 3,511 Psi., 18,220 Gals. Stage Into 3.5# 20/40 White Prop, 71.5 Bpm At 3,453 Psi.. On Perfs, 71.4 Bpm At 3,373 Psi., 10,725 Gals. Stage Into 4.0# 20/40 White Prop, 71.5 Bpm At 3,350 Psi.. On Perfs, 71.4 Bpm At 3,343 Psi., 11,260 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,496 Psi.. 0.71 Psi./Ft. F.G.. WSI And Secured. Total 100 Mesh - 14,700# Total 20/40 White Prop - 160,000#. Total Clean - 153,526 Gals.. 3,655 Bbls.. Produced Water - 72,125 Gals.. 2% KCL - 79,452 Gals.. BWTR - 3,846 Bbls. Max. Rate - 74.4 Bpm Avg. Rate - 72.6 Bpm Max. Psi. - 4,054 Psi. Avg. Psi. - 3,672 Psi.
16:05	0.17	16:15	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
16:15	1.25	17:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES SD/DSN Dated 05-27-2013 And SLB CCL/CBL Dated 06-04-2013. Found And Correlated To Short Joint At 8,102 - 8,124'. Drop Down To Depth, Set CBP At 8,888'. 1,800 Psi.. Perforate Stage 6 CR-1/Uteland Butte/Castle Peak Zone, 8,608 - 8,868'. 45 Holes. 1,500 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**5-10D-36 BTR 6/26/2013 06:00 - 6/27/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	HES AOL AT 06:15. HSM- HIGH PRESSURE, ACID, PPE, RED ZONE, BACKING EQUIP.LIFTING, SMOKING. RUN QC ON FLUID AND CHEMS. PRIME UP AND PRES TEST.





**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:35	1.58	11:10	FRAC	Frac. Job	FRAC STG #7- BLACK SHALE AND CASTLE PEAK PERFS 8219'-8561' 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9300 PSI. OPEN WELL W/ 1950 PSI AT 09:37 BREAK DOWN 2914 PSI AT 10.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 2529 PSI. FLUSH W/ 8025 GAL. 30.4 BPM AT 3042 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 72.2 BPM AT 3652 PSI. ISIP 1896. FG .67. PERFS OPEN 30/45. CONT FR PAD. 72.4 BPM AT 3401 PSI. STAGE 100# MESH .75 PPA. PAD 72.3 BPM AT 3330 PSI. ON PERF 72.2 BPM AT 3091 PSI STAGE TO 1 PPA 20/40 WHITE. 72.0 BPM AT 3426 PSI. ON PERF 71.9 BPM AT 3323 PSI. STAGE TO 2 PPA 20/40 WHITE. 71.9 BPM AT 3299 PSI. ON PERFS 72.1 BPM AT 3149 PSI. STAGE TO 3 PPA 20/40 WHITE. 72.1 BPM AT 3075 PSI. ON PERFS 72.1 BPM AT 2990 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 72.1 BPM AT 3000 PSI. ON PERFS 72.1 BPM AT 2940 PSI. STAGE TO 4 PPA 20/40 WHITE. 72.0 BPM AT 32912 PSI. ON PERFS 72.0 BPM AT 2886 PSI. FLUSH 72.6 BPM AT 3282 PSI. WSI WITH 2100 PSI. TURN OVER TO WIRELINE.  ISDP 2134, FG .69, MR 72.4 BPM, MP 3434 PSI, AR 72.1 BPM, AP 3127 PSI. PMP 14,000 lbs 100# MESH 140,000 lbs 20/40 WHITE. (TOTAL 154,000 lbs PROP ) SLK WTR 62,437 GAL 20# HYBOR G (16) 71,299 GAL (TOTAL FLUID 137,636 GAL) 250 LBS SCALE SORB 3 BWTR 3277 BBLS
11:10	1.00	12:10	WLWK	Wireline	PU EXELIS 5-1/2" CBP AND SETTING TOOL INTO LUB AND EQUALIZE 2200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8102'-8124'. RUN DOWN AND SET CBP AT 8190' WITH 1900 PSI. WELL SHUT IN AND SECURE.
12:10	3.00	15:10	SRIG	Rig Up/Down	RDMO HES AND SLB.
15:10	14.83	06:00	GOP	General Operations	STACK WTR. MOVE FRAC LINE OFF.

**5-10D-36 BTR 6/27/2013 06:00 - 6/28/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
08:00	4.00	12:00	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 286 JTS ON RACKS & TALLY TBG.
12:00	4.00	16:00	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & 2.31 XN- NIPPLE. RIH P/U 2-7/8 L-80 TBG TO KILL PLUG @ 8190'
16:00	2.50	18:30	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. TEST CIRC EQUIPMENT & BOPE TO 2500 PSI, HELD.  D/O KILL PLUG @ 8190'. FCP- 400 ON 28/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8561'. C/O SAND & D/O CBP @ 8581'. FCP- 200 ON 28/64 CHOKE. CIRC WELL CLEAN. R/D SWIVEL. SDFN. TURN WELL OVER TO FLOW BACK. SDFN.
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**5-10D-36 BTR 6/28/2013 06:00 - 6/29/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	7.50	14:30	DOPG	Drill Out Plugs	FCP- 50 ON 24/64 CHOKE. SWIVEL IN HOLE, TAG SAND @ 8854'. BREAK CIRC. C/O SAND & D/O CBP @ 8888'. FCP-100 ON 64/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 9151'. C/O SAND & D/O CBP @ 9215'. FCP- 100 ON 64/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 9533'. C/O SAND & D/O CBP @ 9556'. FCP- 100 ON 64/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 9720'. C/O SAND & D/O CBP @ 9845'. FCP- 800 ON 64/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 10,020'. CIRC WELL CLEAN. C/O SAND & D/O CBP @ 10,170'. FCP- 800 ON 30/64 CHOKE.  SWIVEL IN HOLE, TAG SAND @ 10,398'. BREAK CIRC. PUMPING +/- 4.5 BPM, RETURNS +/- 1 BPM. VERY POOR CIRC. R/D SWIVEL.
14:30	1.00	15:30	PULT	Pull Tubing	PULL ABOVE PERFS. TURN WELL OVER TO FLOW BACK.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

**5-10D-36 BTR 6/29/2013 06:00 - 6/30/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	2.00	09:00	GOP	General Operations	SIWP- 200. R/U NIT/FOAM UNIT. BREAK CIRC. KILL TBG W/ 20 BBLS.
09:00	1.00	10:00	RUTB	Run Tubing	RIH F/ TOP OF PERFS W/ 4-3/4 BIT, TAG SAND HIGH @ 10,334'.
10:00	3.00	13:00	CLN	Clean Out Hole	R/U SWIVEL. BREAK. CIRC. C/O SAND TO FLOAT COLLAR @ 10,598'. D/O F/C. C/O CMT TO 10,665' PBTD. CIRC WELL CLEAN. R/D SWIVEL.
13:00	1.50	14:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D TBG TO 8146' & LAND TBG. 257 JTS TOTAL IN HOLE.
14:30	2.00	16:30	IWHD	Install Wellhead	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TO SALES LINE. TBG DEAD. CIRC WATER OFF OF WELL W/ NIT/FOAM UNIT. FLOW TBG TO TANK FOR 30 MINS. TURN WELL OVER TO FLOW BACK.
16:30	2.50	19:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. ROAD RIG TO RU 20-24. SDFN.
19:00	11.00	06:00	CTRL	Crew Travel	CREW TRAVEL

**5-10D-36 BTR 7/10/2013 06:00 - 7/11/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	FBCK	Flowback Well	WELL FLOWING WAITING ON RIG.
12:30	3.50	16:00	SRIG	Rig Up/Down	ROAD RIG TO LOCATION. SLIDE ROTO OUT (HARD TO SLIDE). PUMP 75 BBLS DOWN CSG. RUSU. PUMP 35 BBLS DOWN CSG. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. PULL AND LD HANGER.
16:00	4.00	20:00	RUTB	Run Tubing	MEAS AS PU 79-JTS TBG TO TAG FILL AT 10,626'. HAVE 39' FILL. POOH AS LD 72-JTS TBG. EOT AT 8173'. SDFN W/ CSG OPEN TO SALES.
20:00	10.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT.

**5-10D-36 BTR 7/11/2013 06:00 - 7/12/2013 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50978			Black Tail Ridge	PRODUCING	10,700.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	3.50	10:30	PULT	Pull Tubing	HSM. BES. BEGIN POOH W/ TBG. WELL CAME IN. PMP 40 BBLS DOWN TBG. PUMP 30 BBLS DOWN CSG. POOH W/ TOTAL OF 224-JTS TBG, XN, 1 JT, POBS.



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
10:30	3.50	14:00	RUTB	Run Tubing	MEAS AND PU PROD BHA. RIH W/ TBG. LAND HANGER. RD FLOOR. ND BOP.  TBG DETAIL KB HANGER 257-JTS 2-7/8" L-80 TBG 5-1/2" 1/4 SET TAC 2 JTS 2-7/8" L-80 TBG PSN 4' TBG SUB 3-1/2" OD DESANDER 5 JTS 2-7/8" L-80 TBG BULL PLUG	
14:00	4.50	18:30	GOP	General Operations	WORK FOR 1 HR TO SET TAC. NO LUCK. RELAND HANGER. FLUSH CSG W/ 75 BBLs WTR. PULL HANGER. ABLE TO GET TAC TO SET. RELAND HANGER. NU WH. X-OVER FOR RODS. SPOT IN AND PREP RODS. SECURE WELL FOR NIGHT.	
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT.	

**5-10D-36 BTR 7/12/2013 06:00 - 7/13/2013 06:00**

API/UWI 43-013-50978	State/Province	County	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 10,700.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.50	08:30	CTRL	Crew Travel	MONUMENT MONTHLY SAFETY MTG. CREW TRAVEL. FLUSH TBG W/ 75 BBLs.	
08:30	5.00	13:30	RURP	Run Rods & Pump	PU AND PRIME PUMP. RIH AS PU RODS  RODS DETAIL 1-1/2" X 40' POLISH ROD 122) 1" MMS W/ 4G 94) 7/8" MMS W/ 4G 74) 3/4" MMS W/ 4G 36) 1" MMS W/ 4G SHEAR CPLG 25-175-RHBC-30-5-33-36' INSERT PUMP  SPACE OUT AND SEAT PUMP.	
13:30	4.50	18:00	GOP	General Operations	WAIT ON HOT OILER. FILL W/ 10 BBLs AND TEST TO 1000 PSI. STROKE TEST. GOOD. RDSU. SLIDE ROTO IN. *HARD TO SLIDE*. PWOP. MOVE TO 4-5D- 45. RUSU. X-OVER FOR TBG. SDFN	
18:00	12.00	06:00	GOP	General Operations	CREW TRAVEL. WELL ON PRODUCTION.	



Design Report for 5-10D-36 BTR - Sperry Final 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	0.000	0.00	0.00	0.00	0.00	0.00
155.00	0.32	205.720	155.00	-0.39	-0.19	-0.43	0.21
<b>First Sperry MWD Survey @ 155.00' MD</b>							
247.00	0.21	236.710	247.00	-0.71	-0.44	-0.84	0.19
339.00	0.14	295.990	339.00	-0.76	-0.68	-0.99	0.20
431.00	0.21	239.280	431.00	-0.79	-0.93	-1.13	0.19
523.00	0.08	323.590	523.00	-0.83	-1.11	-1.25	0.24
615.00	0.24	24.000	615.00	-0.60	-1.07	-1.02	0.23
712.00	0.62	9.450	711.99	0.10	-0.90	-0.32	0.40
808.00	0.66	11.580	807.99	1.16	-0.71	0.71	0.05
904.00	0.65	29.040	903.98	2.17	-0.33	1.78	0.21
1,000.00	0.32	37.200	999.98	2.86	0.10	2.59	0.35
1,097.00	0.45	42.660	1,096.98	3.36	0.52	3.22	0.14
1,193.00	0.31	44.770	1,192.97	3.82	0.96	3.84	0.15
1,290.00	0.70	23.660	1,289.97	4.55	1.38	4.68	0.44
1,386.00	0.85	20.450	1,385.96	5.75	1.86	5.97	0.16
1,483.00	0.74	8.200	1,482.95	7.05	2.20	7.28	0.21
1,579.00	0.57	19.970	1,578.95	8.11	2.45	8.34	0.22
1,676.00	0.37	30.960	1,675.94	8.83	2.78	9.13	0.23
1,772.00	0.70	50.030	1,771.94	9.48	3.39	9.98	0.39
1,869.00	1.05	46.930	1,868.93	10.46	4.49	11.36	0.36
1,965.00	1.12	51.950	1,964.91	11.64	5.87	13.04	0.12
2,061.00	1.21	53.270	2,060.89	12.83	7.43	14.80	0.10
2,158.00	1.11	54.660	2,157.87	13.98	9.01	16.56	0.11
2,254.00	1.16	51.880	2,253.85	15.12	10.54	18.27	0.08
2,351.00	1.02	9.860	2,350.83	16.58	11.46	19.98	0.82
2,447.00	1.01	7.170	2,446.82	18.26	11.71	21.59	0.05
2,544.00	1.01	10.230	2,543.80	19.95	11.97	23.21	0.06
2,640.00	0.69	346.240	2,639.79	21.34	11.98	24.46	0.49
2,736.00	0.32	321.840	2,735.79	22.11	11.68	25.01	0.44
2,833.00	0.44	289.240	2,832.79	22.45	11.16	25.07	0.25
2,928.00	0.50	262.050	2,927.79	22.51	10.40	24.78	0.24
3,024.00	0.33	215.240	3,023.78	22.23	9.83	24.26	0.38
3,121.00	0.59	182.010	3,120.78	21.50	9.65	23.53	0.37
3,217.00	0.72	155.240	3,216.77	20.46	9.88	22.72	0.34
3,314.00	1.29	135.590	3,313.76	19.13	10.90	22.00	0.68
3,410.00	1.07	153.500	3,409.74	17.55	12.06	21.13	0.44
3,440.00	1.14	153.740	3,439.73	17.03	12.32	20.78	0.23
3,541.00	0.71	151.630	3,540.72	15.58	13.06	19.83	0.43
3,604.00	0.33	138.430	3,603.72	15.10	13.36	19.54	0.63
3,700.00	1.60	45.150	3,699.70	15.84	14.50	20.72	1.72
3,795.00	1.88	26.860	3,794.66	18.17	16.14	23.54	0.65
3,890.00	2.20	13.520	3,889.60	21.33	17.27	26.87	0.60
3,986.00	2.97	18.760	3,985.50	25.48	18.50	31.12	0.84
4,081.00	3.00	32.500	4,080.38	29.90	20.63	36.03	0.75
4,176.00	3.06	43.320	4,175.24	33.85	23.71	40.94	0.60
4,271.00	3.58	34.260	4,270.08	38.14	27.12	46.32	0.78
4,366.00	3.85	34.520	4,364.88	43.22	30.59	52.43	0.28
4,461.00	4.75	38.990	4,459.62	48.91	34.88	59.44	1.01
4,556.00	5.23	37.140	4,554.26	55.42	39.96	67.56	0.53

**HALLIBURTON**

Duchesne County, UT (NAD 1927)

**Design Report for 5-10D-36 BTR - Sperry Final Surveys**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,651.00	6.41	32.730	4,648.77	63.33	45.45	77.10	1.33
4,748.00	6.62	28.090	4,745.14	72.82	51.01	88.08	0.58
4,844.00	6.21	21.920	4,840.54	82.51	55.55	98.79	0.83
4,941.00	5.61	21.080	4,937.02	91.81	59.21	108.72	0.62
5,038.00	4.92	22.740	5,033.61	100.07	62.53	117.59	0.73
5,134.00	4.89	27.950	5,129.26	107.48	66.04	125.78	0.46
5,231.00	5.43	28.300	5,225.87	115.17	70.15	134.50	0.56
5,327.00	6.12	29.810	5,321.38	123.61	74.85	144.16	0.74
5,424.00	6.31	23.330	5,417.81	132.99	79.53	154.64	0.75
5,520.00	6.57	23.950	5,513.21	142.85	83.85	165.39	0.28
5,616.00	6.68	22.600	5,608.57	153.03	88.22	176.44	0.20
5,712.00	6.50	23.360	5,703.93	163.17	92.52	187.42	0.21
5,809.00	7.25	23.840	5,800.23	173.81	97.17	199.01	0.78
5,905.00	6.83	22.820	5,895.51	184.61	101.84	210.75	0.46
6,001.00	6.16	27.120	5,990.89	194.46	106.40	221.59	0.86
6,098.00	6.26	26.110	6,087.32	203.84	111.10	232.08	0.15
6,194.00	6.85	26.970	6,182.70	213.64	116.00	243.04	0.62
6,290.00	6.65	26.490	6,278.03	223.72	121.07	254.32	0.22
6,387.00	6.45	26.790	6,374.40	233.61	126.03	265.39	0.21
6,483.00	5.51	32.380	6,469.87	242.32	130.93	275.37	1.15
6,580.00	5.11	33.620	6,566.46	249.85	135.82	284.30	0.43
6,676.00	5.45	33.520	6,662.05	257.21	140.70	293.08	0.35
6,773.00	5.79	38.750	6,758.58	264.86	146.31	302.46	0.63
6,869.00	5.77	40.420	6,854.10	272.31	152.47	311.90	0.18
6,965.00	5.56	41.100	6,949.63	279.49	158.66	321.11	0.23
7,061.00	6.53	35.540	7,045.09	287.44	164.89	331.03	1.18
7,158.00	5.90	36.020	7,141.52	295.96	171.02	341.41	0.65
7,254.00	6.12	29.080	7,237.00	304.42	176.41	351.40	0.79
7,351.00	5.95	26.420	7,333.46	313.44	181.16	361.60	0.34
7,447.00	6.17	22.960	7,428.92	322.65	185.39	371.72	0.44
7,543.00	6.33	32.880	7,524.36	331.84	190.28	382.13	1.14
7,640.00	5.88	24.130	7,620.81	340.87	195.21	392.41	1.06
7,736.00	5.78	19.560	7,716.31	349.91	198.84	402.11	0.49
7,832.00	5.06	15.620	7,811.88	358.55	201.60	411.05	0.84
7,929.00	4.54	14.560	7,908.54	366.38	203.71	418.99	0.54
8,025.00	3.30	16.050	8,004.31	372.71	205.43	425.41	1.30
8,122.00	1.65	10.690	8,101.22	376.77	206.46	429.48	1.72
8,218.00	2.19	5.820	8,197.17	379.95	206.91	432.52	0.59
8,313.00	1.09	354.340	8,292.13	382.66	207.00	434.97	1.20
8,407.00	0.31	258.760	8,386.12	383.50	206.66	435.56	1.24
8,503.00	0.80	259.730	8,482.12	383.33	205.75	434.99	0.51
8,598.00	0.89	278.550	8,577.11	383.32	204.37	434.35	0.31
8,695.00	1.72	338.510	8,674.08	384.79	203.09	435.07	1.54
8,791.00	2.18	354.670	8,770.03	387.94	202.39	437.56	0.74
8,888.00	2.65	346.000	8,866.94	391.96	201.68	440.80	0.61
8,984.00	2.60	344.160	8,962.84	396.20	200.55	444.06	0.10
9,081.00	2.29	351.420	9,059.75	400.24	199.66	447.24	0.45
9,177.00	2.05	347.700	9,155.68	403.81	199.00	450.12	0.29
9,274.00	1.73	349.840	9,252.63	406.95	198.38	452.62	0.34
9,370.00	1.58	349.080	9,348.59	409.67	197.87	454.81	0.16
9,466.00	1.33	345.730	9,444.56	412.05	197.35	456.69	0.27



**Design Report for 5-10D-36 BTR - Sperry Final Surveys**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
9,562.00	1.00	345.740	9,540.54	413.94	196.86	458.15	0.34
9,656.00	1.24	356.960	9,634.52	415.76	196.61	459.64	0.34
9,753.00	1.18	4.980	9,731.50	417.80	196.64	461.47	0.19
9,849.00	0.84	4.580	9,827.49	419.48	196.78	463.04	0.35
9,945.00	0.57	357.240	9,923.48	420.66	196.81	464.10	0.30
10,042.00	0.27	299.070	10,020.48	421.26	196.59	464.53	0.50
10,138.00	0.20	250.690	10,116.48	421.31	196.24	464.41	0.21
10,235.00	0.36	227.300	10,213.47	421.05	195.85	464.00	0.20
10,331.00	0.67	215.970	10,309.47	420.39	195.30	463.17	0.34
10,427.00	0.93	201.080	10,405.46	419.21	194.69	461.84	0.34
10,524.00	1.15	197.910	10,502.45	417.55	194.11	460.09	0.23
10,620.00	1.45	193.700	10,598.42	415.45	193.52	457.96	0.33
10,645.00	1.40	194.050	10,623.41	414.85	193.38	457.36	0.20
<b>Last Sperry MWD Survey @ 10645.00' MD</b>							
10,700.00	1.40	194.050	10,678.40	413.54	193.05	456.05	0.00
<b>Straight Line Projection to TD @ 10700.00' MD</b>							

**Design Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
155.00	155.00	-0.39	-0.19	First Sperry MWD Survey @ 155.00' MD
10,645.00	10,623.41	414.85	193.38	Last Sperry MWD Survey @ 10645.00' MD
10,700.00	10,678.40	413.54	193.05	Straight Line Projection to TD @ 10700.00' MD

**Vertical Section Information**

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	5-10D-36 BTR_BHL Tgt	27.223	Slot	0.00	0.00	0.00

**Survey tool program**

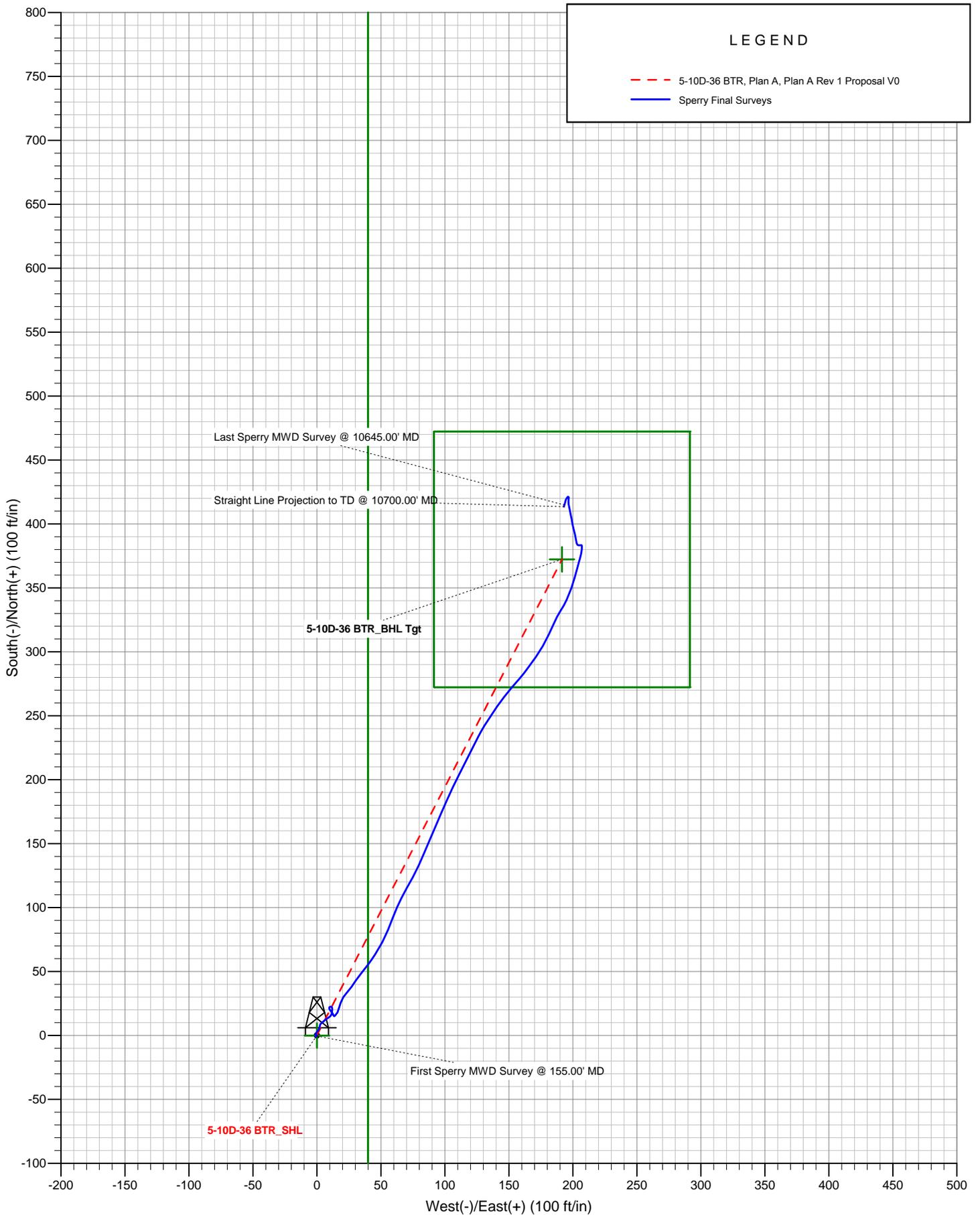
From (ft)	To (ft)	Survey/Plan	Survey Tool
155.00	10,700.00	Sperry MWD Surveys	MWD

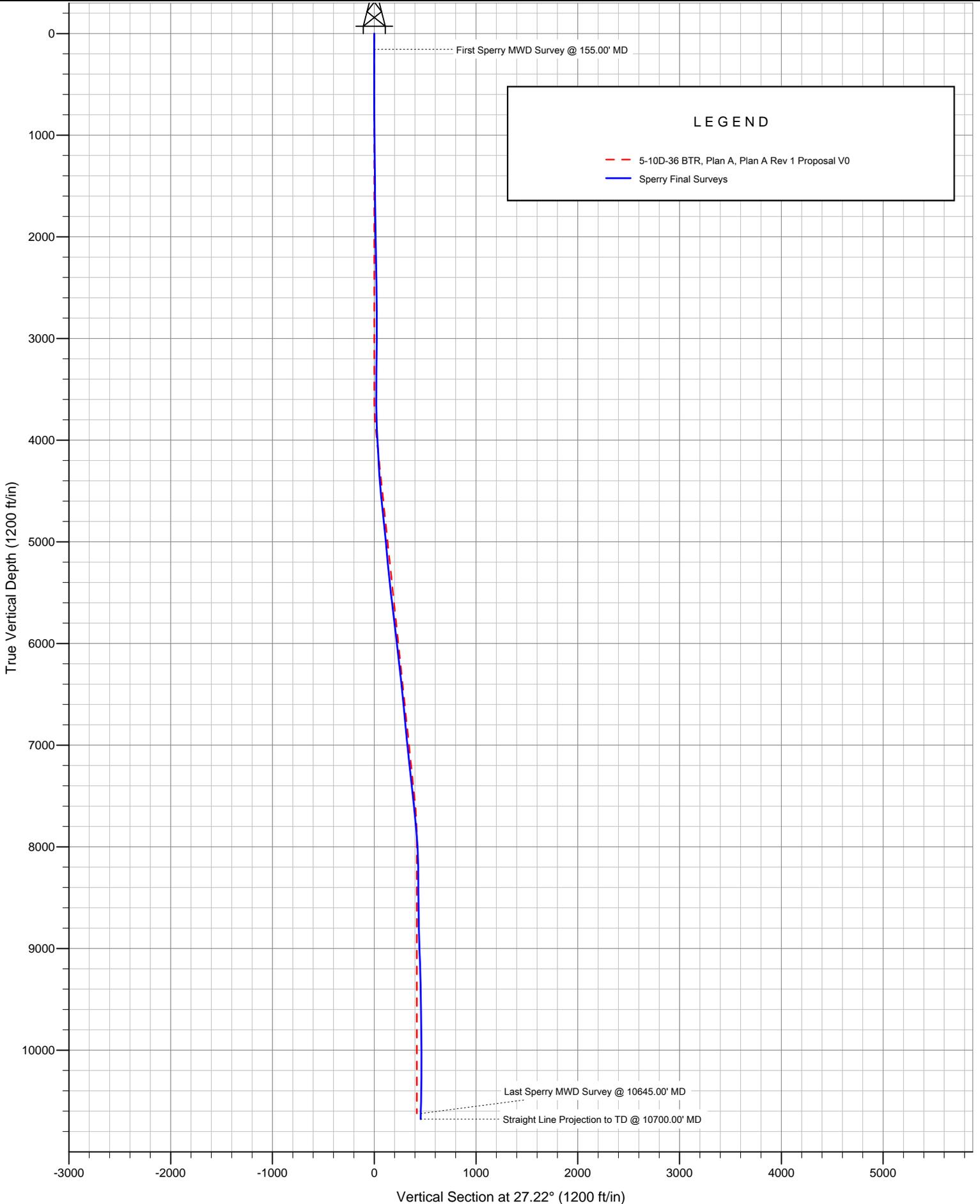


**Design Report for 5-10D-36 BTR - Sperry Final Surveys**

**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
5-10D-36 BTR_660 Se	0.00	0.00	0.00	0.00	0.00	693,991.73	2,263,569.09	40° 14' 5.561 N	110° 33' 21.319 W
- actual wellpath hits target center									
- Polygon									
Point 1				40.00	-288.00	693,704.19	2,263,612.12		
Point 2				40.00	2,347.00	696,338.84	2,263,584.31		
5-10D-36 BTR_SHL	0.00	0.00	0.00	0.00	0.00	693,991.73	2,263,569.09	40° 14' 5.561 N	110° 33' 21.319 W
- actual wellpath hits target center									
- Point									
5-10D-36 BTR_BHL Tç	0.00	0.00	10,622.00	372.31	191.53	694,366.01	2,263,756.67	40° 14' 9.240 N	110° 33' 18.850 W
- actual wellpath misses target center by 42.60ft at 10644.63ft MD (10623.04 TVD, 414.86 N, 193.38 E)									
- Point									
5-10D-36 BTR_ZONE	0.00	0.00	8,025.00	372.31	191.53	694,366.01	2,263,756.66	40° 14' 9.240 N	110° 33' 18.850 W
- actual wellpath misses target center by 14.28ft at 8045.50ft MD (8024.79 TVD, 373.79 N, 205.74 E)									
- Rectangle (sides W200.00 H200.00 D2,597.00)									





<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> 1420H626280
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 5-10D-36 BTR	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013509780000	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> CEDAR RIM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2347 FNL 0620 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW 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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/8/2017</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input checked="" type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

well was SI on 5/9/15 due to a failed rod pump & due to low commodity prices & high failure rates well has been left SI. On 5/8/16 well will be SI for 1 year. Current economics don't justify the workover required to RTP. For this reason BBC is requesting an add'l 1 year SI, before a MIT is required, until 5/8/17. Well currently has 0 psi tubing, 1003 psi csg, 25 psi Braden Head. With minimal to zero Braden Head pressure & 1003 psi csg pressure, it is evident that the 5-1/2" production csg has full integrity & all formations are protected. Fluid level was found at 8300ft from surface with TOC at 2230ft. Well is SI at the wellhead & all surface equipment has been drained/winterized. Well is still on an active lease operator route & is checked frequently for any surface & potential downhole issues. Well would be RTP if economics will justify at a higher commodity price before 5/8/17

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

Date: April 28, 2016

By: *Dark Duff*

<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> 4/27/2016	

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:**

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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

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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

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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

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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

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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

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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**

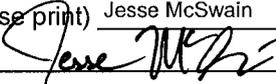
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<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

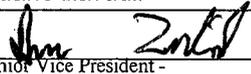
TRANSFER OF AUTHORITY TO INJECT

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

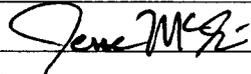
CURRENT OPERATOR

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

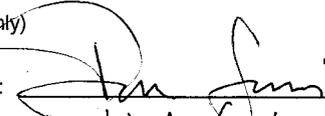
Name: Duane Zavadil  
Signature:   
Senior Vice President -  
Title: EH&S, Government and Regulatory Affairs  
Date: 10/20/16

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

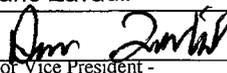
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

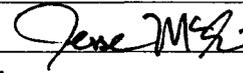
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

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

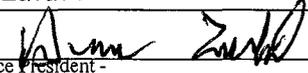
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

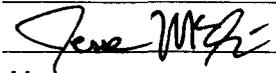
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well  Footage : 0539 FSL 0704 FEL  County : DUCHESNE	Field or Unit Name CEDAR RIM
	Lease Designation and Number 2OG0005608
QQ, Section, Township, Range: SESE 9 3S 6W	State : UTAH

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 -</u> <u>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.