FORM 3

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

AMENDED REPORT ☐

| **APPLICATION FOR PERMIT TO DRILL** | **1. WELL NAME and NUMBER** 13-12-46 BTR |
|---|---|
| **2. TYPE OF WORK** DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○ | **3. FIELD OR WILDCAT** ALTAMONT |
| **4. TYPE OF WELL** Oil Well Coalbed Methane Well: NO | **5. UNIT or COMMUNITIZATION AGREEMENT NAME** |
| **6. NAME OF OPERATOR** BILL BARRETT CORP | **7. OPERATOR PHONE** 303 312-8164 |
| **8. ADDRESS OF OPERATOR** 1099 18th Street Ste 2300, Denver, CO, 80202 | **9. OPERATOR E-MAIL** dspencer@billbarrettcorp.com |
| **10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)** 2OG0005608 | **11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ◉ STATE ○ FEE ○ |
| **12. SURFACE OWNERSHIP** FEDERAL ○ INDIAN ◉ STATE ○ FEE ○ | |
| **13. NAME OF SURFACE OWNER (if box 12 = 'fee')** | **14. SURFACE OWNER PHONE (if box 12 = 'fee')** |
| **15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')** | **16. SURFACE OWNER E-MAIL (if box 12 = 'fee')** |
| **17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')** UTE | **18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉ |
| **19. SLANT** VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○ | |

| **20. LOCATION OF WELL** | **FOOTAGES** | **QTR-QTR** | **SECTION** | **TOWNSHIP** | **RANGE** | **MERIDIAN** |
|---|---|---|---|---|---|---|
| **LOCATION AT SURFACE** | 855 FSL 640 FWL | SWSW | 12 | 4.0 S | 6.0 W | U |
| **Top of Uppermost Producing Zone** | 855 FSL 640 FWL | SWSW | 12 | 4.0 S | 6.0 W | U |
| **At Total Depth** | 855 FSL 640 FWL | SWSW | 12 | 4.0 S | 6.0 W | U |

| **21. COUNTY** DUCHESNE | **22. DISTANCE TO NEAREST LEASE LINE (Feet)** 640 | **23. NUMBER OF ACRES IN DRILLING UNIT** 640 |
|---|---|---|
| | **25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)** 2957 | **26. PROPOSED DEPTH** MD: 8300 TVD: 8300 |
| **27. ELEVATION - GROUND LEVEL** 6276 | **28. BOND NUMBER** LPM 8874725 | **29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** Duchesne City Culinary Dock |

**ATTACHMENTS**

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

| | |
|---|---|
| ☑ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER** | ☑ **COMPLETE DRILLING PLAN** |
| ☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)** | ☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER** |
| ☐ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)** | ☑ **TOPOGRAPHICAL MAP** |

| **NAME** Elaine Winick | **TITLE** Sr. Permit Analyst | **PHONE** 303 293-9100 |
|---|---|---|
| **SIGNATURE** | **DATE** 11/05/2010 | **EMAIL** ewinick@billbarrettcorp.com |
| **API NUMBER ASSIGNED** 43013504690000 | **APPROVAL** | Permit Manager |

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

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Surf | 14.75 | 10.75 | 0 | 3000 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade J-55 Buttress | 3000 | 45.5 | | | |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Prod | 7.875 | 5.5 | 0 | 8300 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade P-110 LT&C | 8300 | 17.0 | | | |
| | | | | | | |

# DRILLING PLAN

BILL BARRETT CORPORATION
13-12-46 BTR
SWSW, 855' FSL, 640' FWL, Section 12-T4S-R6W (surface)
Duchesne County, Utah

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

| Formation | Depth – MD |
|---|---|
| Lower Green River | 3942'* |
| Douglas Creek | 4791' |
| Black Shale | 5622' |
| Castle Peak | 5841' |
| Wasatch | 6364'* |
| TD | 8300' |

*PROSPECTIVE PAY
The Lower Green River and Wasatch are primary objectives for oil/gas.

**4. Casing Program**
**A) Planned Program**

| Hole Size | SETTING DEPTH (FROM) | (TO) | Casing Size | Casing Weight | Casing Grade | Thread | Condition |
|---|---|---|---|---|---|---|---|
| 26" | Surface | 80' | 16" | 65# | | | |
| 14 3/4" | surface | 3000' | 10-3/4" | 45.5# | J or K 55 | BT&C | New |
| 9-7/8" & 7-7/8" | surface | TD | 5 ½" | 17# | P-110 | LT&C | New |

**NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 33.70# P-110 LT&C to a depth of 6000', then drill a 6-1/2" hole to TD and run 5-1/2" casing as a 2000' liner (200' liner lap).**

**5. Cementing Program**
**A) Planned Program**

| 16" Conductor Casing | Grout |
|---|---|
| 14-3/4" hole for 10-3/4" Surface Casing | Lead with approximately 790 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 $ft^3$/sx) circulated to surface with 75% excess. Tail with approximately 360 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 $ft^3$/sx). Calculated hole volume with 75% excess. |
| 9-7/8 hole for 5 ½" Production Casing May reduce hole size to 7-7/8" at 6000' if minimal hole problems. | Lead with approximately 420 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 $ft^3$/sx). Tail with approximately 890 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 $ft^3$/sx). Planned TOC 2500'. |

**NOTE: If 7-5/8" casing is necessary at 6000', we would cement with 250 sx of 12.7 PPG lead 50/50 Poz with 8% gel (1000' of fill with 100% excess, yield 1.80 cuft/sx) and 200 sx of 15.8 ppg tail Class G or H (500' of fill with 100% excess, yield 1.18 cuft/sx.) We will perform a FIT to 10.2 ppg after drilling 20' of new hole.**

**The 5-1/2" liner would be cemented with 300 sx of Class G 50/50 Poz w/ 2% gel (14.2 ppg) with additives from TD to 200' above TOL.**

## 6. Mud Program

| Interval | Weight | Viscosity | Fluid Loss (API filtrate) | Remarks |
|---|---|---|---|---|
| 0' – 80' | 8.3 – 8.8 | 26 – 36 | NC | Freshwater Spud Mud Fluid System |
| 80' – 3,000' | 8.3 – 8.8 | 26 – 36 | NC | Freshwater Spud Mud Fluid System |
| 3,000' – 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. BOP and Pressure Containment Data

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

## 8. Auxiliary Equipment

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

## 9. Testing, Logging and Core Programs

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

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

**10. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4187 psi* and maximum anticipated surface pressure equals approximately 2361 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

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

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

**12. Drilling Schedule**

| | |
|---|---|
| Location Construction: | Approximately September 15, 2011 |
| Spud: | Approximately October 1, 2011 |
| Duration: | 15 days drilling time |
| | 45 days completion time |

**PRESSURE CONTROL EQUIPMENT** – Schematic Attached

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

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

**B. Pressure Rating:** 3,000 psi

**C. Testing Procedure:**

*Annular Preventer*

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

At a minimum the above pressure test will be performed:

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

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

*Blow-Out Preventer*

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength 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 requirmentsof the test are met, whichever is longer.

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

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

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

**D. Choke Manifold Equipment:**

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

**E. Accumulator:**

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

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

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

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

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

**F. Miscellaneous Information:**

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

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

# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

**Well Name:** 13-12-46 BTR

**Surface Hole Data:**

| | |
|---|---|
| Total Depth: | 3,000' |
| Top of Cement: | 0' |
| OD of Hole: | 14.750" |
| OD of Casing: | 10.750" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | 2433.9 | $ft^3$ |
| Lead Fill: | 2,500' | |
| Tail Volume: | 486.8 | $ft^3$ |
| Tail Fill: | 500' | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 3.16 | $ft^3/sk$ |
| % Excess: | 75% | |
| Top of Lead: | 0' | |

| | | |
|---|---|---|
| Tail Yield: | 1.36 | $ft^3/sk$ |
| % Excess: | 75% | |
| Top of Tail: | 2,500' | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | 790 |
| # SK's Tail: | 360 |

**Production Hole Data:**

| | |
|---|---|
| Total Depth: | 8,300' |
| Top of Cement: | 2,500' |
| Top of Tail: | 5,000' |
| OD of Hole: | 8.750" |
| OD of Casing: | 5.500" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | 947.2 | $ft^3$ |
| Lead Fill: | 2,500' | |
| Tail Volume: | 1250.5 | $ft^3$ |
| Tail Fill: | 3,300' | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 2.31 | $ft^3/sk$ |
| Tail Yield: | 1.42 | $ft^3/sk$ |
| % Excess: | 50% | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | 420 |
| # SK's Tail: | 890 |

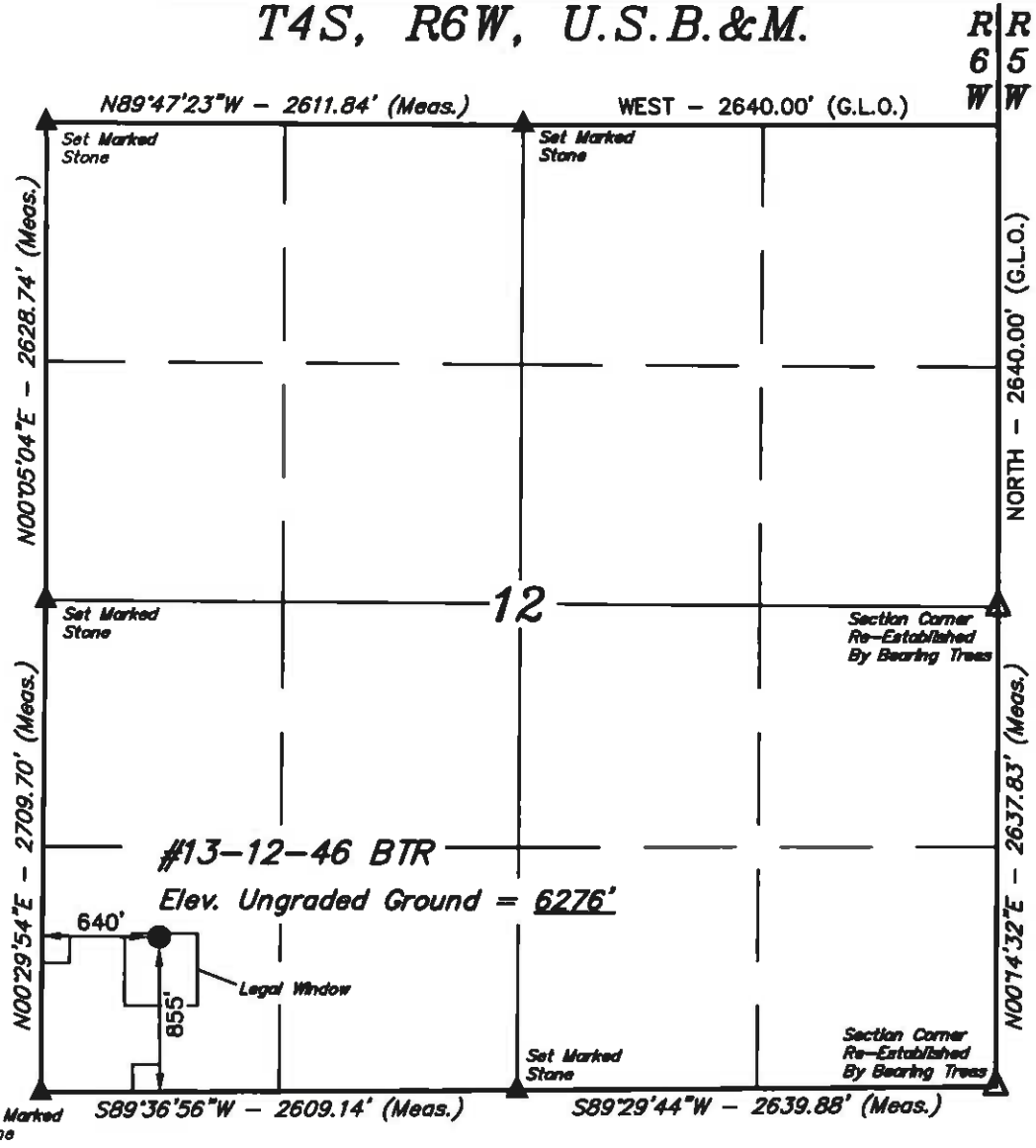
# 13-12-46 BTR Proposed Cementing Program

| Job Recommendation | | | Surface Casing |
|---|---|---|---|
| **Lead Cement - (2500' - 0')** | | | |
| Halliburton Light Premium | Fluid Weight: | 11.0 | lbm/gal |
| 5.0 lbm/sk Silicalite Compacted | Slurry Yield: | 3.16 | $ft^3$/sk |
| 0.25 lbm/sk Kwik Seal | Total Mixing Fluid: | 19.48 | Gal/sk |
| 0.125 lbm/sk Poly-E-Flake | Top of Fluid: | 0' | |
| 2.0% Bentonite | Calculated Fill: | 2,500' | |
| | Volume: | 433.46 | bbl |
| | **Proposed Sacks:** | **790** | **sks** |
| **Tail Cement - (TD - 2500')** | | | |
| Premium Cement | Fluid Weight: | 14.8 | lbm/gal |
| 2.0% Calcium Chloride | Slurry Yield: | 1.36 | $ft^3$/sk |
| | Total Mixing Fluid: | 6.37 | Gal/sk |
| | Top of Fluid: | 2,500' | |
| | Calculated Fill: | 500' | |
| | Volume: | 86.69 | bbl |
| | **Proposed Sacks:** | **360** | **sks** |

| Job Recommendation | | | Production Casing |
|---|---|---|---|
| **Lead Cement - (5000' - 2500')** | | | |
| Tuned Light™ System | Fluid Weight: | 11.0 | lbm/gal |
| | Slurry Yield: | 2.31 | $ft^3$/sk |
| | Total Mixing Fluid: | 10.65 | Gal/sk |
| | Top of Fluid: | 2,500' | |
| | Calculated Fill: | 2,500' | |
| | Volume: | 168.70 | bbl |
| | **Proposed Sacks:** | **420** | **sks** |
| **Tail Cement - (8300' - 5000')** | | | |
| Econocem™ System | Fluid Weight: | 13.5 | lbm/gal |
| 0.125 lbm/sk Poly-E-Flake | Slurry Yield: | 1.42 | $ft^3$/sk |
| 1.0 lbm/sk Granulite TR 1/4 | Total Mixing Fluid: | 6.61 | Gal/sk |
| | Top of Fluid: | 5,000' | |
| | Calculated Fill: | 3,300' | |
| | Volume: | 222.70 | bbl |
| | **Proposed Sacks:** | **890** | **sks** |

'APIWellNo:43013504690000'

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




## LEGEND:

- ⌞ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

(NAD 83)
LATITUDE = 40°08'32.65" (40.142403)
LONGITUDE = 110°31'07.10" (110.518639)
(NAD 27)
LATITUDE = 40°08'32.80" (40.142444)
LONGITUDE = 110°31'04.54" (110.517928)

## BILL BARRETT CORPORATION

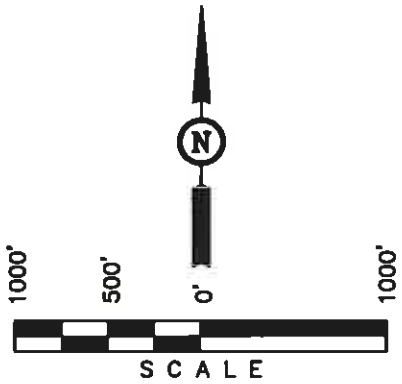
Well location, #13-12-46 BTR, located as shown in the SW 1/4 SW 1/4 of Section 12, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

## BASIS OF ELEVATION

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

## BASIS OF BEARINGS

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




## CERTIFICATE

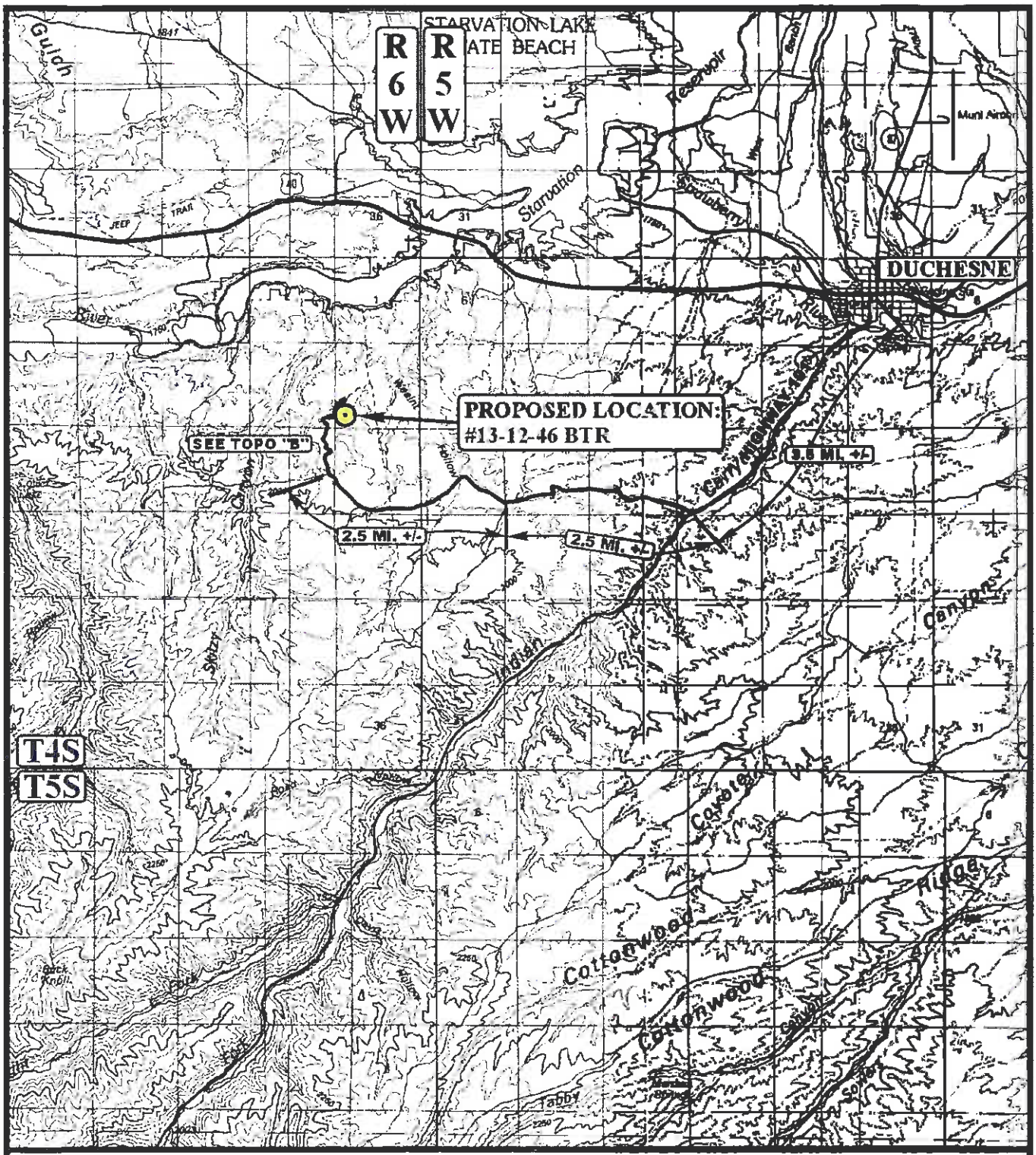
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

STATE OF UTAH — REGISTERED LAND SURVEYOR — No. 161319 — ROBERT L. KAY

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

| | | |
|---|---|---|
| SCALE: 1" = 1000' | DATE SURVEYED: 7-12-10 | DATE DRAWN: 08-12-10 |
| PARTY: T.A. J.D. C.C. | REFERENCES: G.L.O. PLAT | |
| WEATHER: HOT | FILE: BILL BARRETT CORPORATION | |




LEGEND:

PROPOSED LOCATION

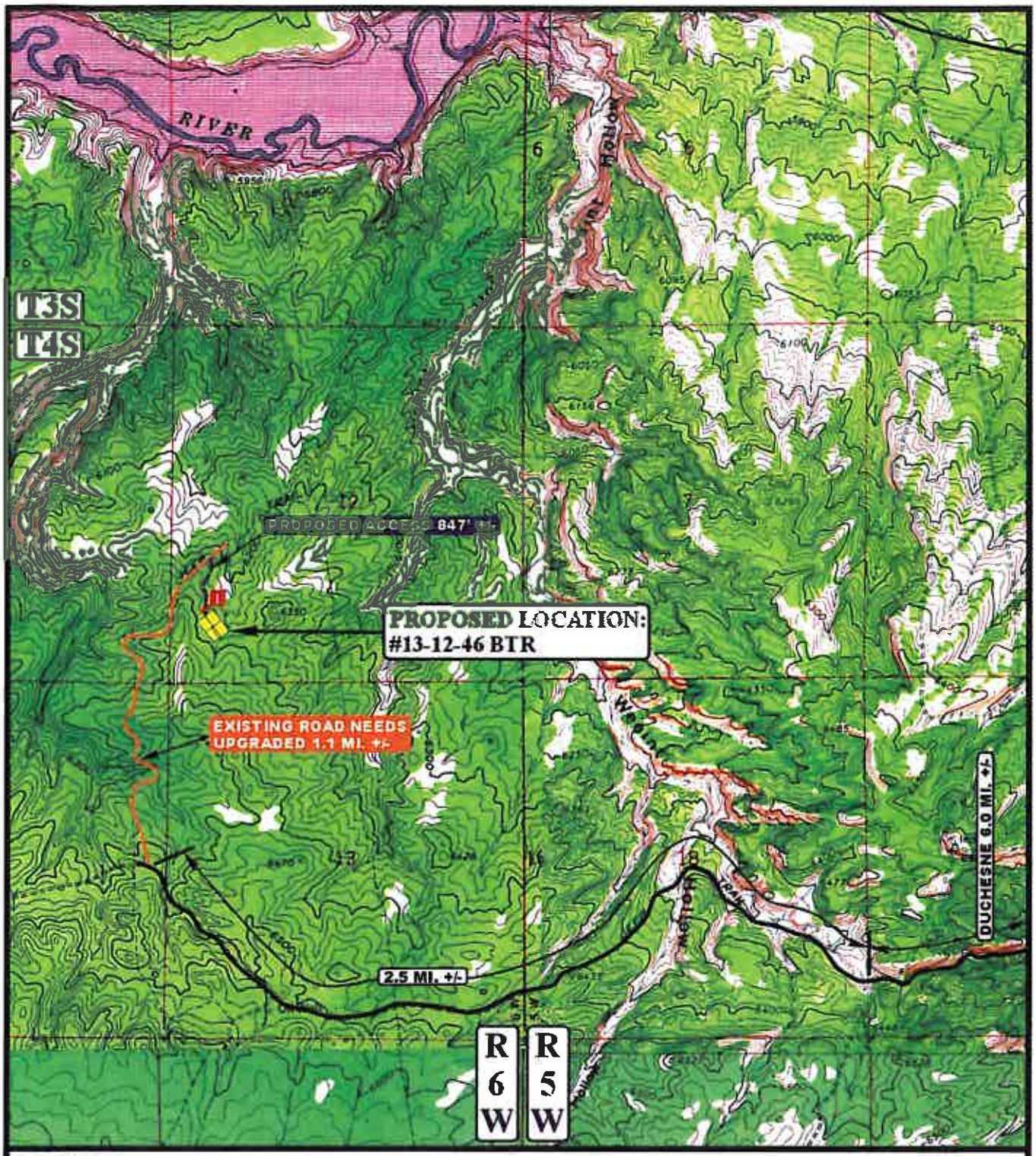
N

**BILL BARRETT CORPORATION**

**#13-12-46 BTR**
**SECTION 12, T4S, R6W, U.S.B.&M.**
**855' FSL 640' FWL**


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


| TOPOGRAPHIC MAP | 07 MONTH | 21 DAY | 10 YEAR |
|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: Z.L. | REVISED: 00-00-00 | A TOPO |




**LEGEND:**

EXISTING ROAD

PROPOSED ACCESS ROAD

EXISTING ROAD NEEDS UPGRADED

18" CMP REQUIRED

N

**BILL BARRETT CORPORATION**

**#13-12-46 BTR**

**SECTION 12, T4S, R6W, U.S.B.&M.**

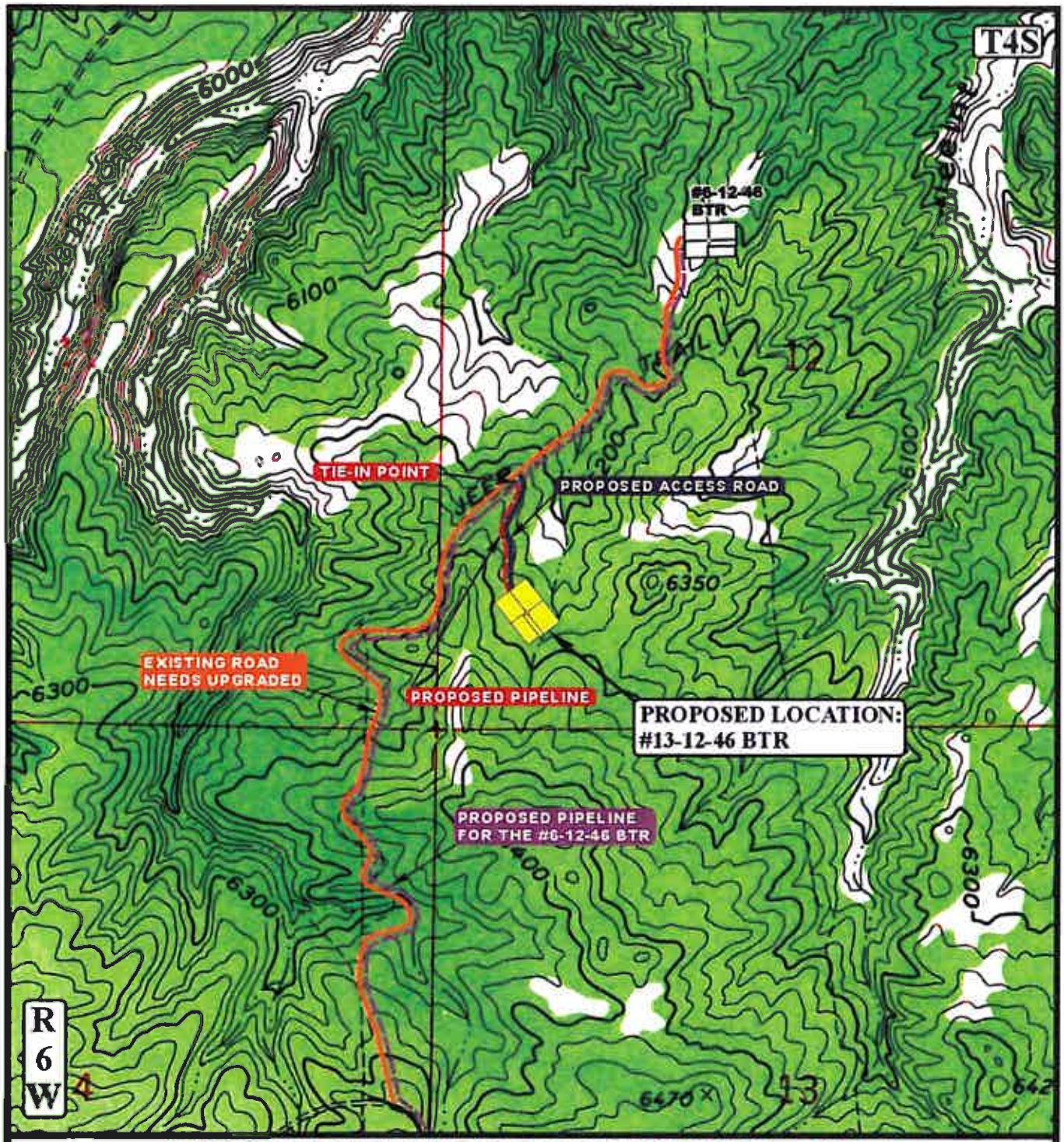
**855' FSL 540' FWL**


Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 07 MONTH | 21 DAY | 10 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |




APPROXIMATE TOTAL PIPELINE DISTANCE = 850' +/-

**LEGEND:**

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

N

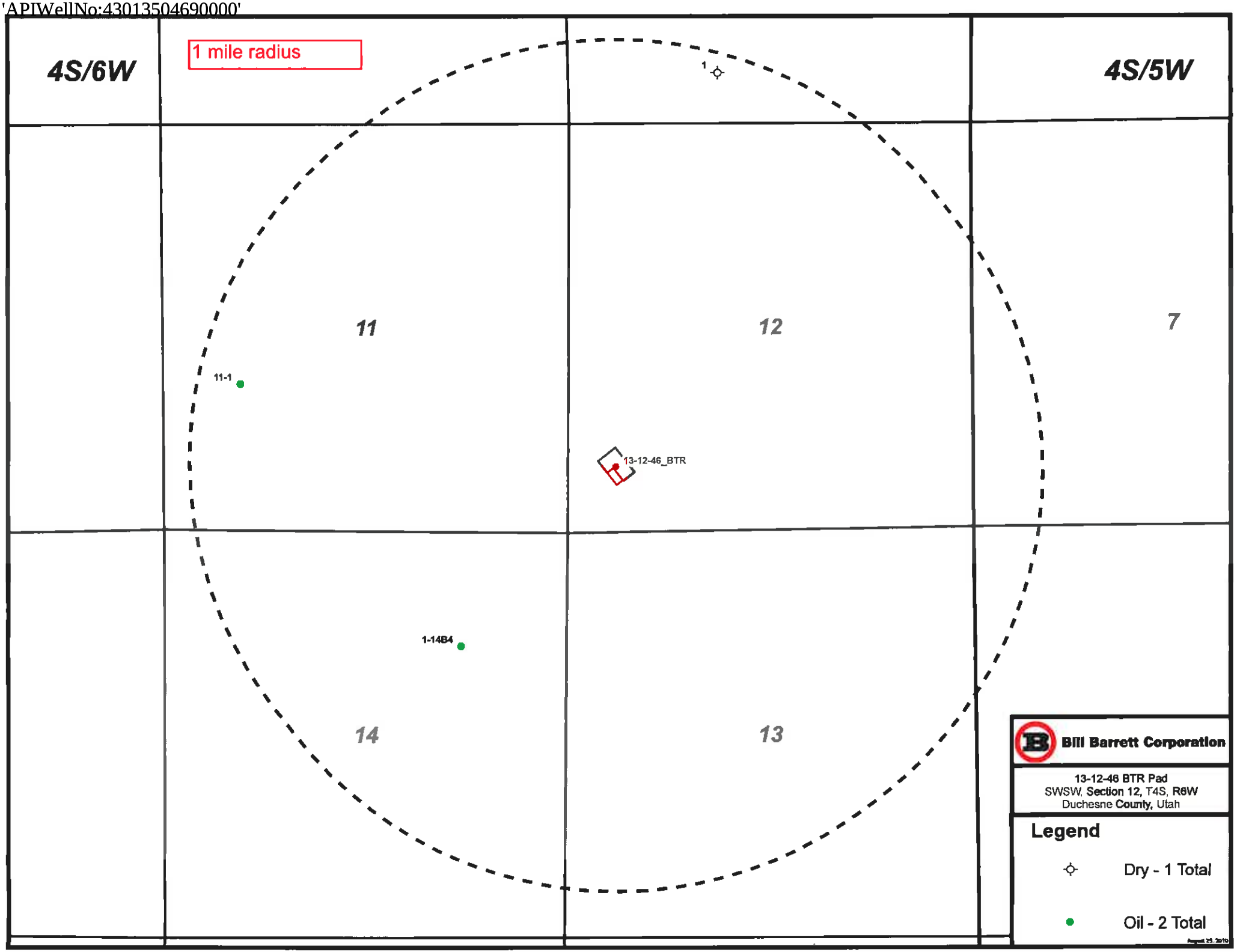
**BILL BARRETT CORPORATION**

**#13-12-46 BTR**
**SECTION 12, T4S, R6W, U.S.B.&M.**
**855' FSL 640' FWL**


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


| TOPOGRAPHIC MAP | 07 MONTH | 21 DAY | 10 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 1000' | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |

'APIWellNo:43013504690000'



# BILL BARRETT CORPORATION

## #13-12-46 BTR

**LOCATED IN DUCHESNE COUNTY, UTAH**
**SECTION 12, T4S, R6W, U.S.B.&M.**

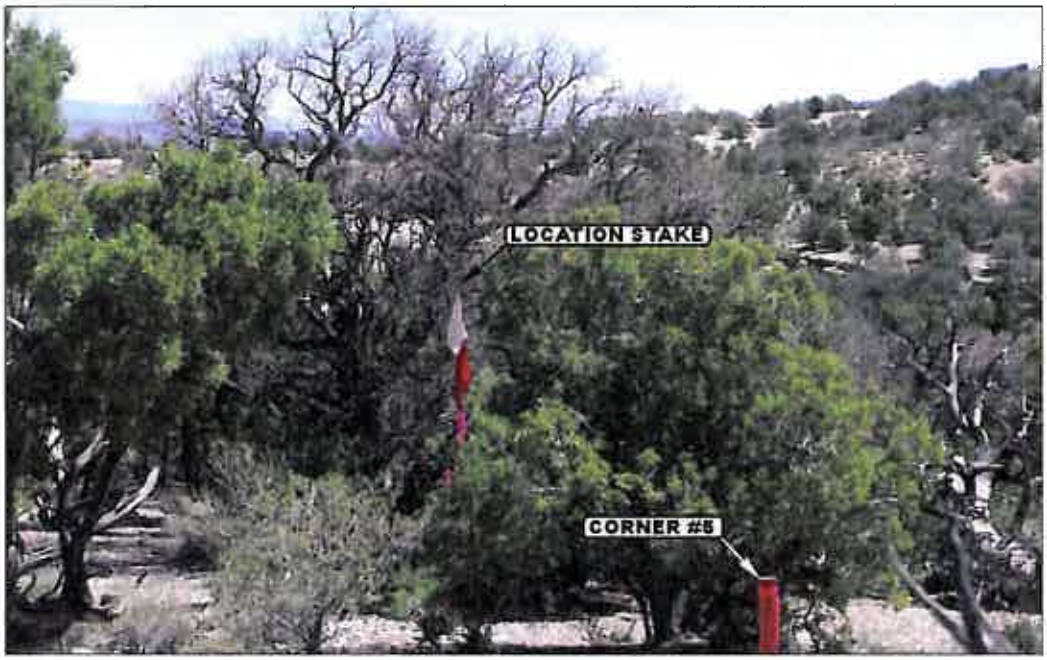
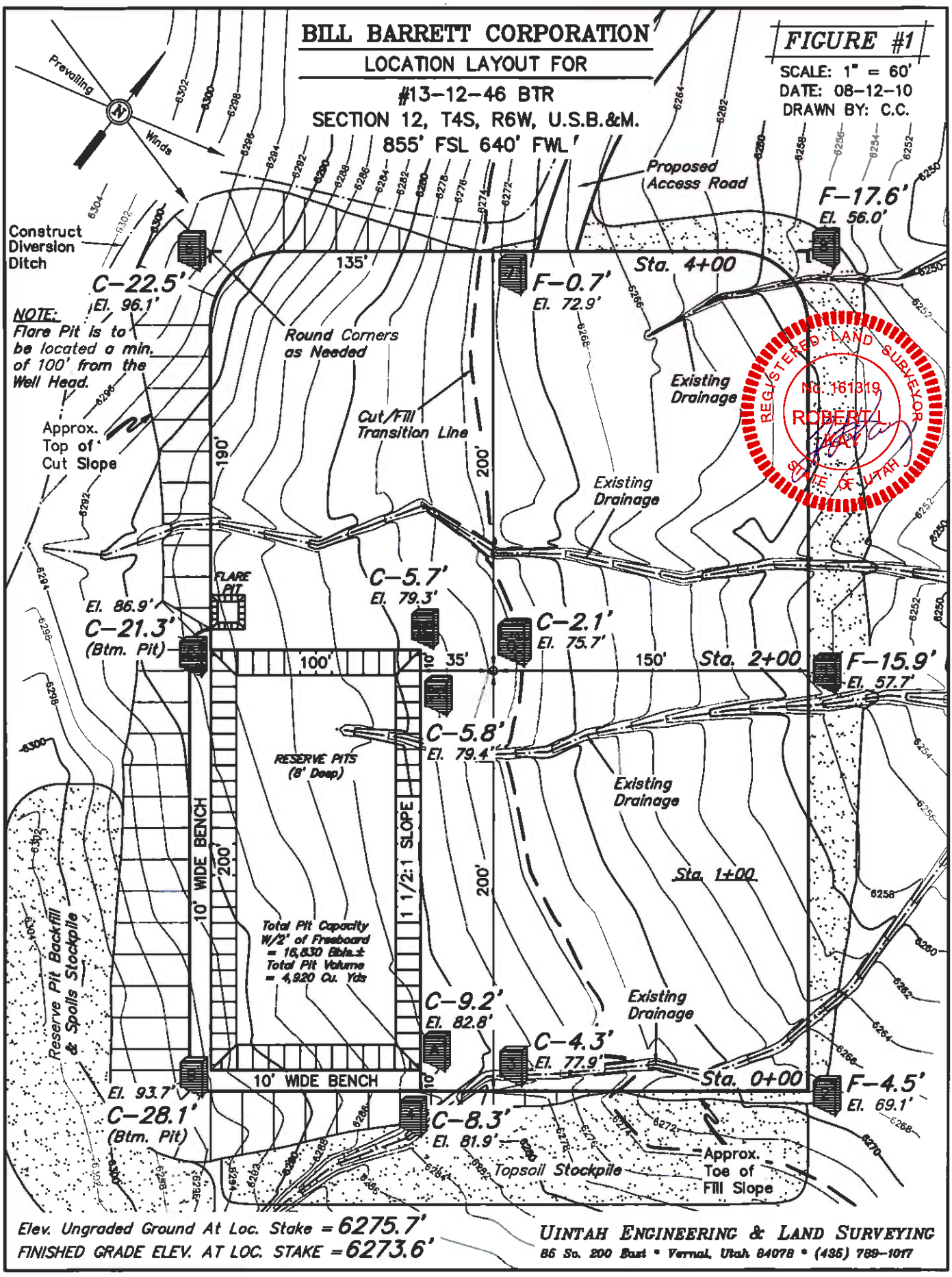



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE** **CAMERA ANGLE: NORTHEASTERLY**


**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS** **CAMERA ANGLE: SOUTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| LOCATION PHOTOS | 07 MONTH | 21 DAY | 10 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: T.A. | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |



# BILL BARRETT CORPORATION

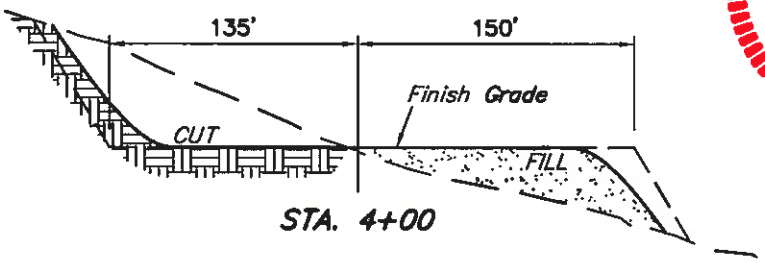
## TYPICAL CROSS SECTION FOR

#13-12-46 BTR
SECTION 12, T4S, R6W, U.S.B.&M.
855' FSL 640' FWL

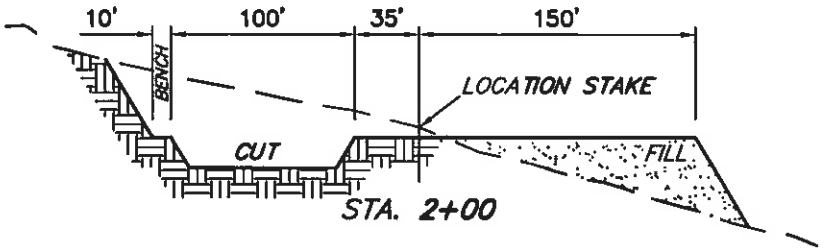
*FIGURE #2*

1" = 40'
X-Section Scale
1" = 100'
DATE: 08-12-10
DRAWN BY: C.C.

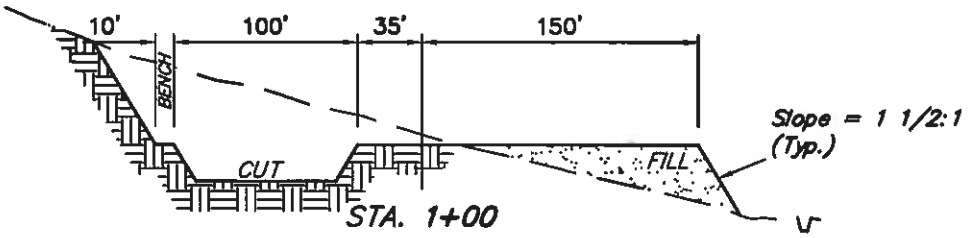
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



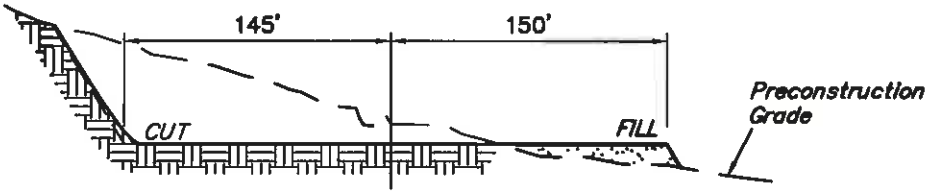

STA. 4+00




STA. 2+00




STA. 1+00




STA. 0+00

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

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE = ± 3.461 ACRES
ACCESS ROAD DISTURBANCE = ± 0.583 ACRES
PIPELINE DISTURBANCE = ± 0.568 ACRES
TOTAL = ± 4.612 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

## APPROXIMATE YARDAGES

| | | |
|---|---|---|
| (12") Topsoil Stripping | = | 5,730 Cu. Yds. |
| Remaining Location | = | 26,460 Cu. Yds. |
| TOTAL CUT | = | 32,190 CU.YDS. |
| FILL | = | 20,890 CU.YDS. |

| | | |
|---|---|---|
| EXCESS MATERIAL | = | 11,300 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.) | = | 8,190 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = | 3,110 Cu. Yds. |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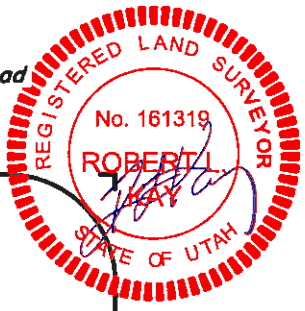
# BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

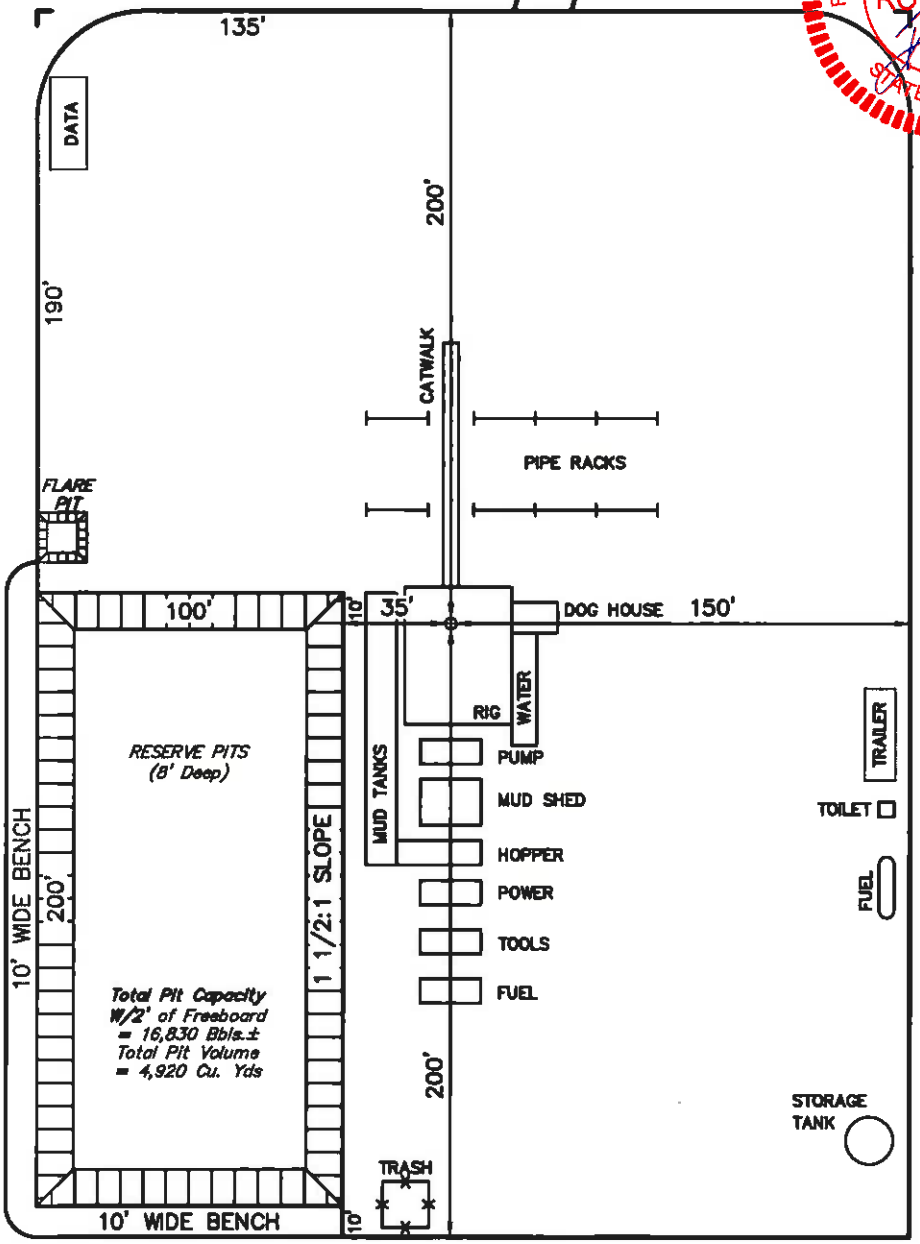
#13-12-46 BTR
SECTION 12, T4S, R6W, U.S.B.&M.
855' FSL 640' FWL

FIGURE #3
SCALE: 1" = 60'
DATE: 08-12-10
DRAWN BY: C.C.

Proposed Access Road




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





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

# BILL BARRETT CORPORATION
## #13-12-46 BTR
## SECTION 12, T4S, R6W, U.S.B.&M.

PROCEED IN A SOUTHERLY DIRECTION FROM DUCHESNE, UTAH ALONG U.S. HIGHWAY 191 APPROXIMATELY 3.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHTAND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 847' TO THE PROPOSED WELL LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 9.75 MILES.

**SURFACE USE PLAN**

BILL BARRETT CORPORATION

***13-12-46 BTR Well Pad***
SWSW, 855' FSL & 640' FWL, Section 12, T4S, R6W, USB&M
Duchesne County, Utah

**The Ute Tribal onsite for this location was conducted on September 24, 2010.**

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

1. Existing Roads:

   a. The proposed well site is located approximately 9.75 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).

   b. The 6-12-46 BTR existing but needs improvement access road would be utilized for access to the proposed access road. This road is currently proposed and approved under tribal ROW H62-2009-046.

   c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.

   d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

   e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed.

   f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

a. Approximately 847 feet of new access road is proposed entering the northwest side of the pad area (see Topographic Map B).

b. A tribal right of way (ROW) is applied for and pending approval (total ROW acreage = 0.58 ac). The road would be constructed to a 30-foot ROW width with an 18-foot travel surface.

c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough□in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.

d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.

e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.

f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.

g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.

h. Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.

i. One culvert or low-water crossing is anticipated as the access road enters the pad area. 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 | none |
| iv. drilling wells | none |
| v. temp shut-in wells | none |
| vi. producing wells | two |
| vii. abandoned wells | one |

4. Location of Production Facilities

a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (2) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit with natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.

b. Most wells would be fitted with a pump jack to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (75 horsepower or less), natural gas-fired internal combustion engines.

c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would

utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.

f. Approximately 850 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. Pipelines would be constructed of steel, polyethylene or fiberglass. The pipeline corridor would connect to the previously approved 6-12-46 BTR pipeline corridor approved under tribal ROW H62-2009-047,

g. The new segment of gas pipeline would be surface laid line within a 30 foot wide pipeline ROW (0.568 acres). The pipeline has been applied for and is pending approval at this time.

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 Juniper Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

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 the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W, USB&M.

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. Additionally, the Ute Tribe would be notified of any changes in water supply.

d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 3.64 acre feet for drilling and completion operations.

6. Source of Construction Material:

a. The use of materials would conform to 43 CFR 3610.2-3.

b. No construction materials would be removed from 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 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.

d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.

e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting.

f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

1. RNI Industries, Inc. – Pleasant Valley Disposal Pits
   Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971)
   NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds
   Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W

g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.

h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.

i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and $CO_2$ 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, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

8. Ancillary Facilities:

a. Garbage containers and portable toilets would be located on the well pad.

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

9. Well Site Layout:

a. The well would be properly identified in accordance with 43 CFR 3162.6.

b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).

c. The pad and road designs are consistent with Ute Tribe specifications.

d. The pad has been staked at its maximum size of 400 feet x 285 feet with an inboard reserve pit size of 100 feet x 200 feet X 8 feet deep (total of 3.461 acres).

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 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. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.

b. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal. A list of noxious weeds may be obtained from the Ute Tribe, BLM or the appropriate county extension office. On Ute Tribe administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

c. 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.

d. 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.

e. 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 & Mineral ownership – Ute Indian Tribe - 988 South 7500 East (Annex Building); Ft. Duchesne, Utah 84026; 435-725-4950. Tribal ROWs are pending.

12. Other Information:

a. Montgomery Archaeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 10-122, dated July 31, 2010 and MOAC Report No. 10-122b, dated August 30, 2010.

b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.

c. Project personnel and contractors would be educated on and subject to the following requirements:

- No dogs or firearms within the Project Area;
- No littering within the Project Area;
- Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders;
- Campfires or uncontained fires of any kind would be prohibited.
- Portable generators used in the Project Area would have spark arrestors

## OPERATOR CERTIFICATION

Certification:

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

| | |
|---|---|
| Executed this | 5 day of November 2010 |
| Name: | Elaine Winick |
| Position Title: | Senior Permit Analyst |
| Address: | 1099 18th Street, Suite 2300, Denver, CO 80202 |
| Telephone: | 303-312-8168 |
| E-mail: | ewinick@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 |

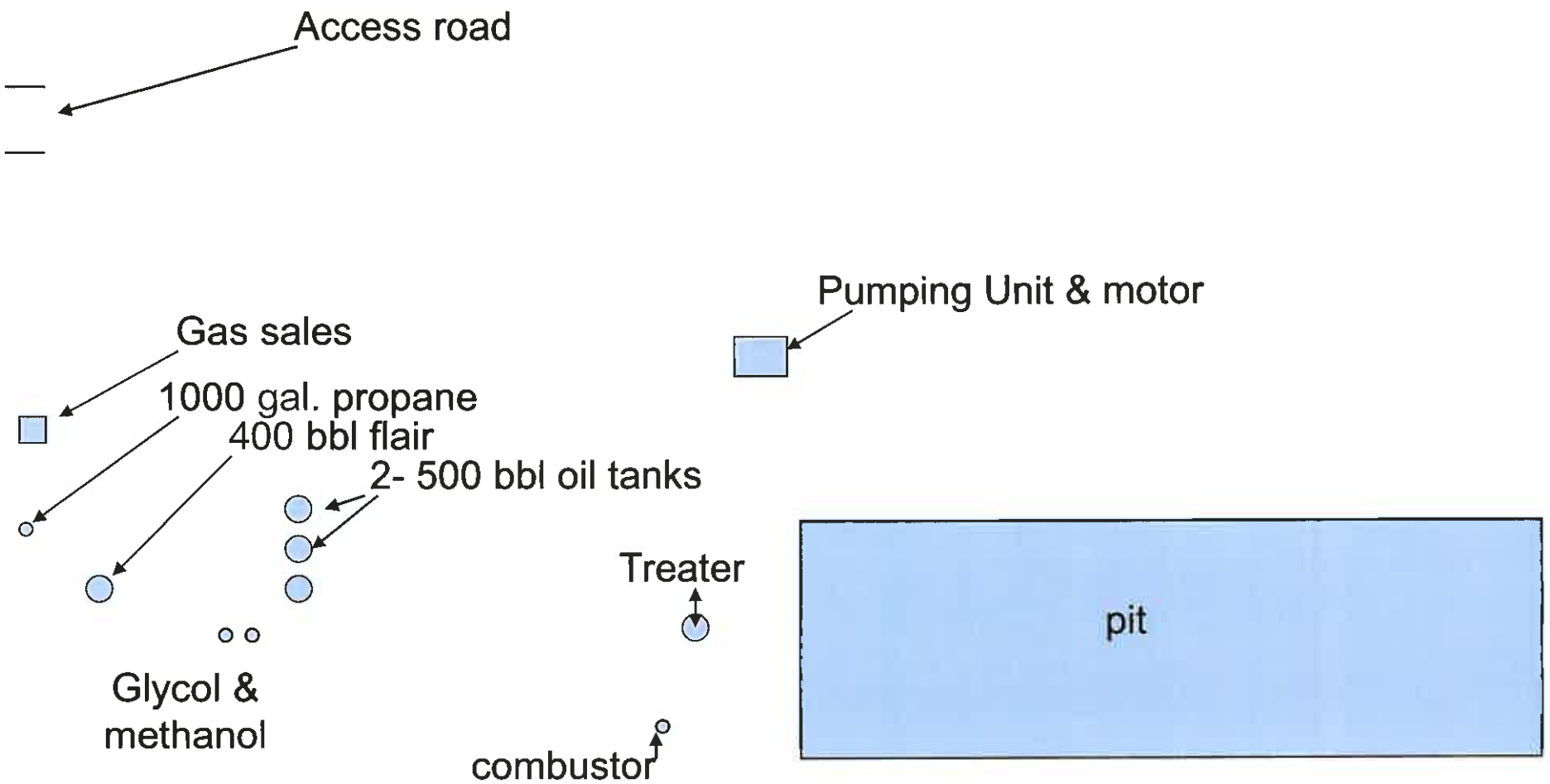
Elaine Winick

Elaine Winick, Senior Permit Analyst

'APIWellNo:43013504690000'

'APIWellNo:43013504690000'

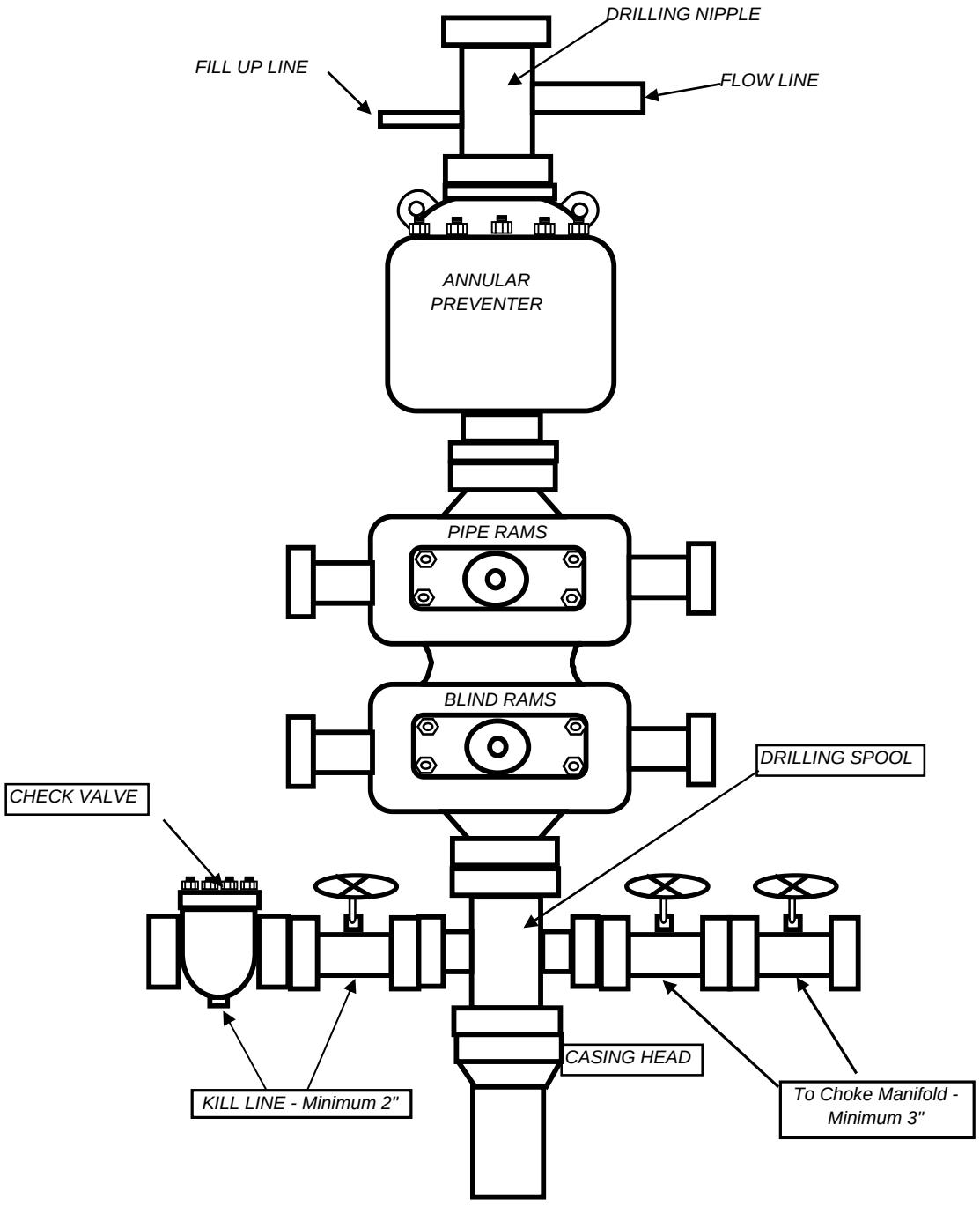
# 13-12-46 BTR Facility Diagram



'APIWellNo:43013504690000'

# BILL BARRETT CORPORATION

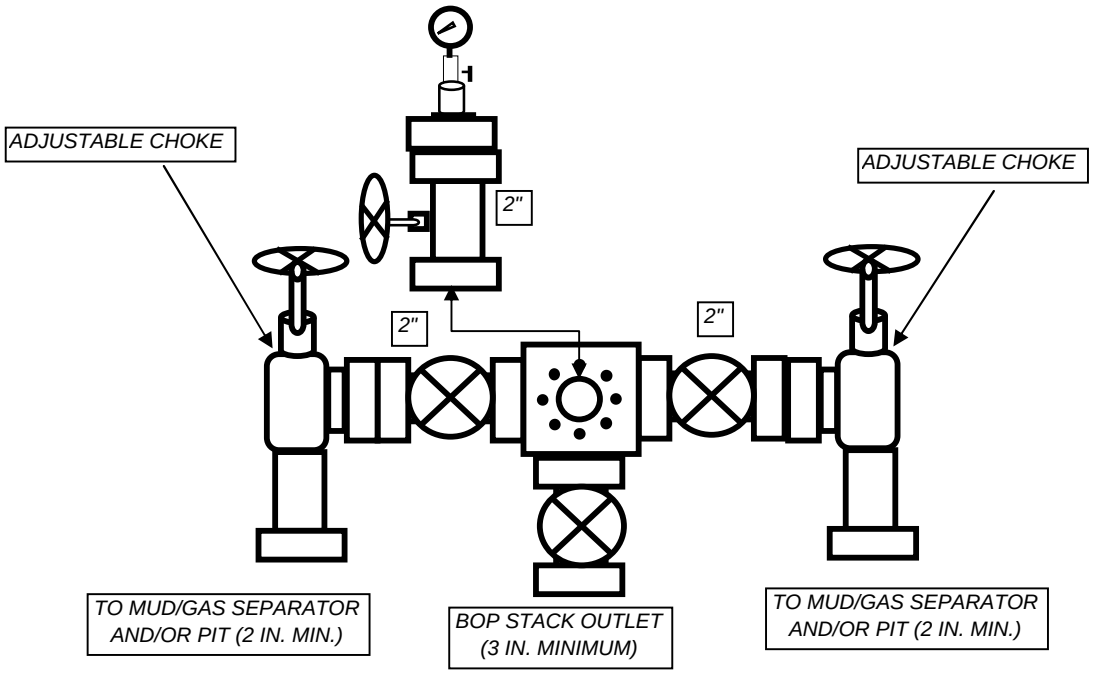
## *TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER*



'APIWellNo:43013504690000'

# BILL BARRETT CORPORATION

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



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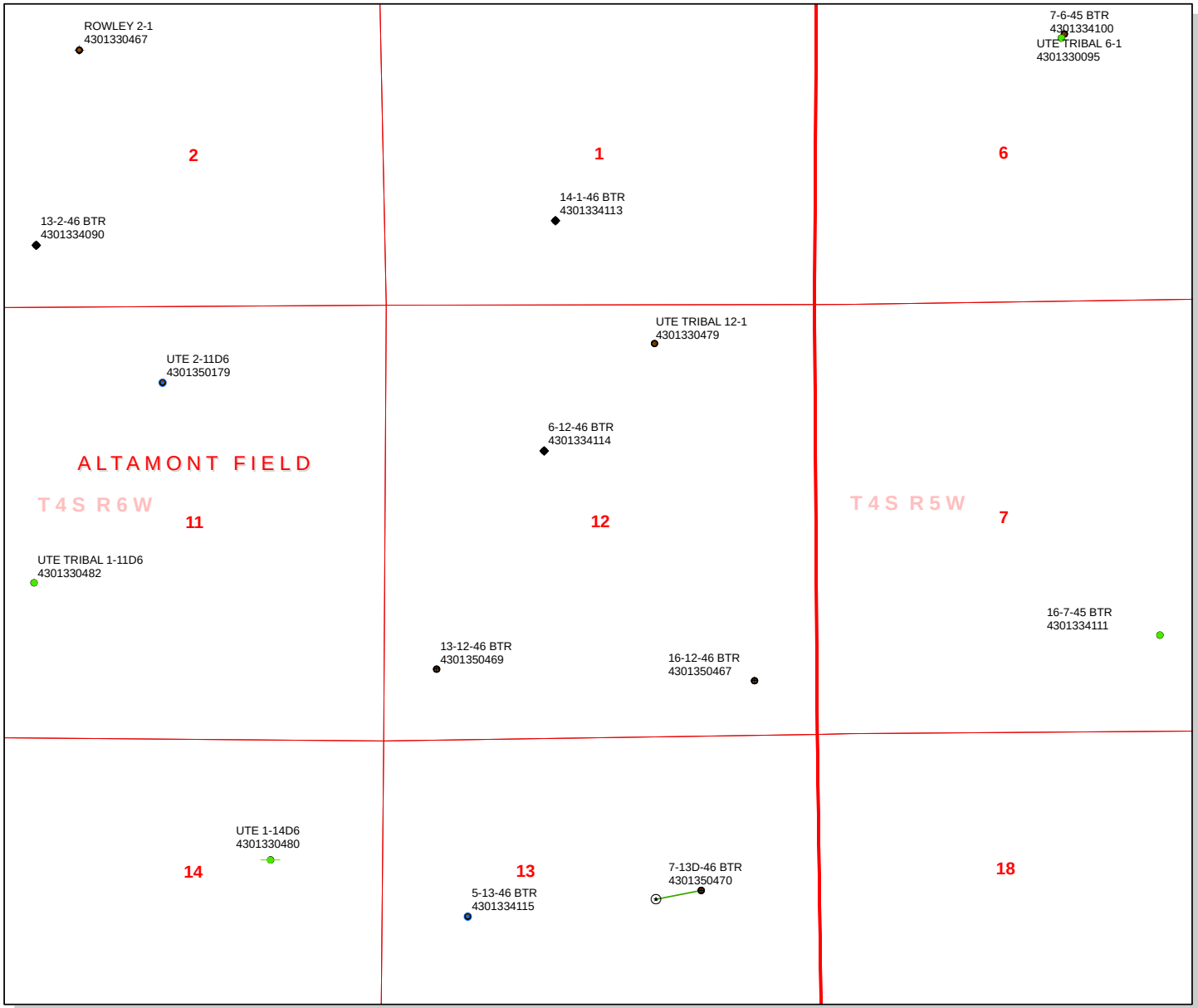


**API Number: 4301350469**

**Well Name: 13-12-46 BTR**

**Township 04.0 S Range 06.0 W Section 12**

**Meridian: UBM**

Operator: BILL BARRETT CORP

Map Prepared:
Map Produced by Diana Mason

**Units**
**STATUS**
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED
**Fields**
Sections
Township
Bottom Hole Location - AGRC

**Wells Query**
<all other values>
**Status**
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well


1,600 800 0 1,600 Feet

1:15,030

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 11/5/2010
**API NO. ASSIGNED:** 43013504690000
**WELL NAME:** 13-12-46 BTR
**OPERATOR:** BILL BARRETT CORP (N2165)
**PHONE NUMBER:** 303 293-9100
**CONTACT:** Elaine Winick

**PROPOSED LOCATION:** SWSW 12 040S 060W
**Permit Tech Review:** ☑

**SURFACE:** 0855 FSL 0640 FWL
**Engineering Review:** ☐

**BOTTOM:** 0855 FSL 0640 FWL
**Geology Review:** ☑

**COUNTY:** DUCHESNE
**LATITUDE:** 40.14246
**LONGITUDE:** -110.51790
**UTM SURF EASTINGS:** 541067.00
**NORTHINGS:** 4443470.00
**FIELD NAME:** ALTAMONT
**LEASE TYPE:** 2 - Indian
**LEASE NUMBER:** 2OG0005608
**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH
**SURFACE OWNER:** 2 - Indian
**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- ☑ **PLAT**
- ☑ **Bond:** INDIAN - LPM 8874725
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Duchesne City Culinary Dock
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingling Approved**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**

**Unit:**

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

**Board Cause No:** 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

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:** 13-12-46 BTR
**API Well Number:** 43013504690000
**Lease Number:** 2OG0005608
**Surface Owner:** INDIAN
**Approval Date:** 11/17/2010

**Issued to:**
BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

**Authority:**
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the 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.

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

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

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

For John Rogers
Associate Director, Oil & Gas

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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 2OG0005608

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 10/1/2011 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ✓ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

This Sundry is being submitted to request changes to the original APD drilling casing and cementing plans. Changes include the most recent revisions of the casing and cement program. A revised drilling plan with details of the casing and cement program are attached.

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

**Date:** 04/13/2011

**By:** Dustin Doucet

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 4/12/2011 |

RECEIVED Apr. 12, 2011

# DRILLING PLAN

BILL BARRETT CORPORATION
13-12-46 BTR
855' FSL, 640' FWL, SWSW, Section 12-T4S-R6W (surface)
Duchesne County, Utah

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

| Formation | Depth – MD |
|---|---|
| Lower Green River | 3942'* |
| Douglas Creek | 4791' |
| Black Shale | 5622' |
| Castle Peak | 5841' |
| Wasatch | 6364'* |
| TD | 8300' |

*PROSPECTIVE PAY
The Lower Green River and Wasatch are primary objectives for oil/gas.

**4. Casing Program**
**A) Planned Program**

| Hole Size | SETTING DEPTH (FROM) | (TO) | Casing Size | Casing Weight | Casing Grade | Thread | Condition |
|---|---|---|---|---|---|---|---|
| 26" | Surface | 80' | 16" | 65# | | | |
| 12-1/4" | surface | 2200' | 9-5/8" | 36# | J or K 55 | LT&C | New |
| 8-3/4" | surface | TD | 5 ½" | 17# | P-110 | LT&C | New |

**NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 33.70# P-110 LT&C to a depth of 6000', then drill a 6-1/2" hole to TD and run 5-1/2" casing as a 2000' liner (200' liner lap).**

**5. Cementing Program**
**A) Planned Program**

| | |
|---|---|
| 16" Conductor Casing | Grout |
| 12-1/4" hole for 9-5/8" Surface Casing | Lead with approximately 310 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 $ft^3$/sx) circulated to surface with 75% excess.<br>Tail with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 $ft^3$/sx). Calculated hole volume with 75% excess. |
| 8-3/4 hole for 5 ½" Production Casing | Lead with approximately 420 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 $ft^3$/sx).<br>Tail with approximately 890 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 $ft^3$/sx). Planned TOC 2500'. |

RECEIVED Apr. 12, 2011

Bill Barrett Corporation
13-12-46 BTR Drilling Plan
Duchesne County, Utah

## 6. Mud Program

| Interval | Weight | Viscosity | Fluid Loss (API filtrate) | Remarks |
|---|---|---|---|---|
| 0' – 80' | 8.3 – 8.8 | 26 – 36 | NC | Freshwater Spud Mud Fluid System |
| 80' – 2200 | 8.3 – 8.8 | 26 – 36 | NC | Freshwater Spud Mud Fluid System |
| 2200' – 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. BOP and Pressure Containment Data

| Depth Intervals | BOP Equipment |
|---|---|
| 0 – 2200' | No pressure control required |
| 2200' – TD | 11" 5000# Ram Type BOP<br>11" 5000# Annular BOP |
| - Drilling spool to accommodate choke and kill lines; | |
| - Ancillary and choke manifold to be rated @ 5000 psi; | |
| - Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2; | |
| - The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests. | |
| - BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner. | |

## 8. Auxiliary Equipment

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

## 9. Testing, Logging and Core Programs

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

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

## 10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4187 psi* and maximum anticipated surface pressure equals approximately 2361 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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Bill Barrett Corporation
13-12-46 BTR Drilling Plan
Duchesne County, Utah

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

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

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

**12. Drilling Schedule**

| | |
|---|---|
| Location Construction: | Approximately September 15th, 2011 |
| Spud: | Approximately October 1st, 2011 |
| Duration: | 15 days drilling time |
| | 45 days completion time |

# Bill Barrett Corporation

## LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

| Well Name: | 13-12-46 BTR |
|---|---|

**Surface Hole Data:**

| | |
|---|---|
| Total Depth: | 2,200' |
| Top of Cement: | 0' |
| OD of Hole: | 12.250" |
| OD of Casing: | 9.625" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | **931.7** | $ft^3$ |
| Lead Fill: | **1,700'** | |
| Tail Volume: | **274.0** | $ft^3$ |
| Tail Fill: | **500'** | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 3.16 | $ft^3/sk$ |
| % Excess: | 75% | |
| Top of Lead: | 0' | |

| | | |
|---|---|---|
| Tail Yield: | 1.36 | $ft^3/sk$ |
| % Excess: | 75% | |
| Top of Tail: | 1,700' | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | **310** |
| # SK's Tail: | **210** |

**Production Hole Data:**

| | |
|---|---|
| Total Depth: | 8,300' |
| Top of Cement: | 2,500' |
| Top of Tail: | 5,000' |
| OD of Hole: | 8.750" |
| OD of Casing: | 5.500" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | **947.2** | $ft^3$ |
| Lead Fill: | **2,500'** | |
| Tail Volume: | **1250.5** | $ft^3$ |
| Tail Fill: | **3,300'** | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 2.31 | $ft^3/sk$ |
| Tail Yield: | 1.42 | $ft^3/sk$ |
| % Excess: | 50% | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | **420** |
| # SK's Tail: | **890** |

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# 13-12-46 BTR Proposed Cementing Program

| **Job Recommendation** | | | **Surface Casing** |
|---|---|---|---|
| **Lead Cement - (1700' - 0')** | | | |
| Halliburton Light Premium | Fluid Weight: | 11.0 | lbm/gal |
| 5.0 lbm/sk Silicalite Compacted | Slurry Yield: | 3.16 | $ft^3$/sk |
| 0.25 lbm/sk Kwik Seal | Total Mixing Fluid: | 19.48 | Gal/sk |
| 0.125 lbm/sk Poly-E-Flake | Top of Fluid: | 0' | |
| 2.0% Bentonite | Calculated Fill: | 1,700' | |
| | Volume: | 165.93 | bbl |
| | **Proposed Sacks:** | **310** | **sks** |
| **Tail Cement - (TD - 1700')** | | | |
| Premium Cement | Fluid Weight: | 14.8 | lbm/gal |
| 2.0% Calcium Chloride | Slurry Yield: | 1.36 | $ft^3$/sk |
| | Total Mixing Fluid: | 6.37 | Gal/sk |
| | Top of Fluid: | 1,700' | |
| | Calculated Fill: | 500' | |
| | Volume: | 48.80 | bbl |
| | **Proposed Sacks:** | **210** | **sks** |

| **Job Recommendation** | | | **Production Casing** |
|---|---|---|---|
| **Lead Cement - (5000' - 2500')** | | | |
| Tuned Light™ System | Fluid Weight: | 11.0 | lbm/gal |
| | Slurry Yield: | 2.31 | $ft^3$/sk |
| | Total Mixing Fluid: | 10.65 | Gal/sk |
| | Top of Fluid: | 2,500' | |
| | Calculated Fill: | 2,500' | |
| | Volume: | 168.70 | bbl |
| | **Proposed Sacks:** | **420** | **sks** |
| **Tail Cement - (8300' - 5000')** | | | |
| Econocem™ System | Fluid Weight: | 13.5 | lbm/gal |
| 0.125 lbm/sk Poly-E-Flake | Slurry Yield: | 1.42 | $ft^3$/sk |
| 1.0 lbm/sk Granulite TR 1/4 | Total Mixing Fluid: | 6.61 | Gal/sk |
| | Top of Fluid: | 5,000' | |
| | Calculated Fill: | 3,300' | |
| | Volume: | 222.70 | bbl |
| | **Proposed Sacks:** | **890** | **sks** |

RECEIVED Apr. 12, 2011

RECEIVED Apr. 12, 2011

Form 3160-3
(August 2007)

RECEIVED
NOV 0 8 2010
BLM

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.: 2OG0005608
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA Agreement, Name and No.:
8. Lease Name and Well No.: 13-12-46 BTR
9. API Well No.: 43-013-50469
10. Field and Pool, or Exploratory: ALTAMONT WASATCH
11. Sec., T., R., M., or Blk. and Survey or Area: Sec 12 T4S R6W Mer UBM
12. County or Parish: DUCHESNE
13. State: UT

1a. Type of Work: ☒ DRILL ☐ REENTER

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

2. Name of Operator: BILL BARRETT CORPORATION
Contact: ELAINE WINICK
E-Mail: ewinick@billbarrettcorp.com

3a. Address: 1099 18TH STREET SUITE 2300
DENVER, CO 80202

3b. Phone No. (include area code)
Ph: 303-312-8168
Fx: 303-291-0420

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface: SWSW 855FSL 640FEL
At proposed prod. zone: SWSW 855FSL 640FEL

14. Distance in miles and direction from nearest town or post office*
9.75 MILES SW OF DUCHESNE, UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
640

16. No. of Acres in Lease
66101.00

17. Spacing Unit dedicated to this well
640.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
2957

19. Proposed Depth
8300 MD
8300 TVD

20. BLM/BIA Bond No. on file
LPM 8874725

21. Elevations (Show whether DF, KB, RT, GL, etc.
6276 GL

22. Approximate date work will start
09/15/2011

23. Estimated duration
60 DAYS (D&C)

24. Attachments

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

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

25. Signature: (Electronic Submission)
Name (Printed/Typed): ELAINE WINICK Ph: 303-312-8168
Date: 11/05/2010

Title: SENIOR PERMIT ANALYST

Approved by (Signature):
Name (Printed/Typed): Jerry Kenczka
Date: APR 08 2011

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

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

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

**Additional Operator Remarks (see next page)**

NOS 8/27/10

AFMSS# 1155 04 23AE

**Electronic Submission #96866 verified by the BLM Well Information System**
**For BILL BARRETT CORPORATION, sent to the Vernal**
**Committed to AFMSS for processing by ROBIN R. HANSEN on 11/09/2010 ()**

NOTICE OF APPROVAL

RECEIVED
APR 13 2011
DIV. OF OIL, GAS & MINING

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

UDOGM

1055 04 23AE

NOS 8/27/2010

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

## *CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL*

| | | | |
|---|---|---|---|
| **Company:** | **Bill Barrett Corporation** | **Location:** | **SWSW, Sec. 12, T4S, R6W** |
| **Well No:** | **13-12-46 BTR** | **Lease No:** | **2OG0005608** |
| **API No:** | **43-013-50469** | **Agreement:** | **N/A** |

# OFFICE NUMBER: (435) 781-4400

# OFFICE FAX NUMBER: (435) 781-3420

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

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

### NOTIFICATION REQUIREMENTS

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

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

**Well Numbers:**
The Ute Tribal 1-13D-47 BTR, 7-13D-46 BTR, 16-13-46 BTR, 13-12-46 BTR, 16-12-46 BTR.

**Additional Stipulations:**

- Production Equipment will be painted Yuma Green to help blend into the surrounding vegetation.

**General Conditions of Approval:**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.

- Bill Barrett Corporation will adhere to any applicant committed measures found in the Black Tail Ridge Exploratory Natural Gas Development and Leasing Project Environmental Assessment No. U&O-FY11-Q2-021.

- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.

- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.

- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.

- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.

- You are hereby notified that working under the *"umbrella"* of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.

- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- Bill Barrett Corporation will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- A CBL shall be run from TD to surface on the production casing.
- Gamma Ray Log shall be run from TD to Surface.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

(from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

**OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 2OG0005608

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ✓ SPUD REPORT Date of Spud: 9/27/2011 | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

This well was spud on 9/27/2011 at 10:00 am by Triple A Drilling.

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

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Venessa Langmacher | 303 312-8172 | Senior Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 9/27/2011 |

RECEIVED Sep. 27, 2011

SUBMIT AS EMAIL | Print Form

# BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling
Submitted By Venessa Langmacher Phone Number 303-312-8172
Well Name/Number 13-12-46 BTR
Qtr/Qtr SWSW Section 12 Township 4S Range 6W
Lease Serial Number 2OG0005608
API Number 4301350469

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

Date/Time 09/27/2011 10:00 AM ☑ PM ☐

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

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

RECEIVED
SEP 27 2011
DIV. OF OIL, GAS & MINING

Date/Time _____ _____ AM ☐ PM ☐

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

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

FORM 6

# ENTITY ACTION FORM

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

**Well 1**

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| 4301350469 | 13-12-46 BTR | | SWSW | 12 | 4S | 6W | Duchesne |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| A | 99999 | 18233 | 9/27/2011 | | | 9/27/11 | |

**Comments:** Spudding Operation was conducted by Triple A Drilling @ 10:00 am.
GR-WS

**Well 2**

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| | | | | | | | |

**Comments:**

**Well 3**

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| | | | | | | | |

**Comments:**

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

RECEIVED
SEP 27 2011
DIV. OF OIL, GAS & MINING

Venessa Langmacher
**Name (Please Print)**
Venessa Langmacher
**Signature**
Sr Permit Analyst
**Title**
9/27/2011
**Date**

(5/2000)

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 2OG0005608

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ✓ DRILLING REPORT Report Date: 9/30/2011 | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

September 2011 monthly drilling activity report: well spud.

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

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 10/5/2011 |

RECEIVED Oct. 05, 2011

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 2OG0005608

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ✓ DRILLING REPORT Report Date: 10/31/2011 | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

No October 2011 Monthly Drilling Activity to report.

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

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 11/3/2011 |

RECEIVED Nov. 03, 2011

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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 2OG0005608

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT Date of Work Completion: 5/23/2011 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Lease Number Correcti |

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

The lease has been earned on this well, the new lease number is 14-20-H62-6403.

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

**FOR RECORD ONLY**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Tracey Fallang | 303 312-8134 | Regulatory Manager |
| **SIGNATURE** N/A | | **DATE** 11/14/2011 |

RECEIVED Nov. 14, 2011

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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 2OG0005608

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT Date of Work Completion: 5/23/2011 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Lease Number Correcti |

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

The lease has been earned on this well, the new lease number is 14-20-H62-6403.

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

**FOR RECORD ONLY**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Tracey Fallang | 303 312-8134 | Regulatory Manager |
| **SIGNATURE** N/A | | **DATE** 11/14/2011 |

RECEIVED Nov. 14, 2011

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 14-20-H62-6403.

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ✓ DRILLING REPORT Report Date: 11/30/2011 | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

There is no November 2011 Monthly Drilling to report.

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

**FOR RECORD ONLY**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 12/5/2011 |

RECEIVED Dec. 05, 2011

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P #273
Submitted By Jack L. Warr Phone Number 281-833-2777
Well Name/Number 13-12-46 BTR
Qtr/Qtr SW/SW Section 12 6 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-50469

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 12/14/11 0500 AM ☐ PM ☒

BOPE

☒ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 12/15/11 500 AM ☐ PM ☒

Remarks

RECEIVED
DEC 13 2011
DIV. OF OIL, GAS & MINING

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 14-20-H62-6403.

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT Report Date: 12/31/2011 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

Attached is the December 2011 monthly drilling report for this well.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
01/5/2012

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 1/5/2012 |

RECEIVED Jan. 05, 2012

Bill Barrett Corporation

## 13-12-46 BTR 12/8/2011 06:00 - 12/9/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 12.00 | 18:00 | 1 | RIGUP & TEARDOWN | Move In H&P #273 - Rec'd 15 Loads, Drill Pipe,& Racks, Boiler, Bar Hopper, 2- 400 BBl Upright Tanks,1 Mud tank, Mats & Misc Rig Equip. |

## 13-12-46 BTR 12/9/2011 06:00 - 12/10/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 12.00 | 18:00 | 1 | RIGUP & TEARDOWN | Held Pre-Job Safety Mtg W/ All Personel. MI/RU H&P #273. 80% On Location,@ 25% Rigged Up. Mud Tanks Set In, Mud Pumps Spotted, Motors In Place. Boiler & Fuel Tank Set. |

## 13-12-46 BTR 12/10/2011 06:00 - 12/11/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 12.00 | 18:00 | 1 | RIGUP & TEARDOWN | MI/RU H&P #273, 100% On location, 60% Rigged Up. |

## 13-12-46 BTR 12/11/2011 06:00 - 12/12/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 12.00 | 18:00 | 1 | RIGUP & TEARDOWN | Install Center Section Of Substructure, Dwks Skid, Erect & Raise Derrick. Start Putting Up Windwall Framework w/ Crane.<br>Lack Beaver Slide - Catwalk & Pipe Racks, Gas Buster Lines & Misc, Will Set Centrifuge Stand & R/U Centrifuge This A.M. |
| 18:00 | 9.00 | 03:00 | 1 | RIGUP & TEARDOWN | Night Crew Rigging Up Same.<br>90% Rigged Up, Anticipate P/U Bit & Tools @ 15:00 Hr. " Sharewell DD & Tools Are On Location ". |

## 13-12-46 BTR 12/12/2011 06:00 - 12/13/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 21.50 | 03:30 | 1 | RIGUP & TEARDOWN | Finish setting equipment with crane, install floor crane. fill mud tanks etc. Put up winterizing. |
| 03:30 | 2.50 | 06:00 | 14 | NIPPLE UP B.O.P | N/U conductor, install mousehole. pickup and rack back wt pipe. |

## 13-12-46 BTR 12/13/2011 06:00 - 12/14/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | | 06:00 | | | |
| 06:00 | 4.50 | 10:30 | 20 | DIRECTIONAL WORK | Make up bit & motor, dir tools etc. Orient tools. |
| 10:30 | 1.00 | 11:30 | 7 | LUBRICATE RIG | Rig service, Repair top drive and ST80 |
| 11:30 | 2.50 | 14:00 | 2 | DRILL ACTUAL | Drill down with wt pipe to 170 |
| 14:00 | 1.00 | 15:00 | 7 | LUBRICATE RIG | 'P/U remaing dir tools (*" NMDC MWD etc.) |
| 15:00 | 8.50 | 23:30 | 2 | DRILL ACTUAL | Drlig 170-642, 472' in 7.5 hrs 55 fph. |
| 23:30 | 2.50 | 02:00 | 6 | TRIPS | TOH wt pipe and pickup 9 6" collars. |
| 02:00 | 4.00 | 06:00 | 2 | DRILL ACTUAL | 208' in 4 hrs |

## 13-12-46 BTR 12/14/2011 06:00 - 12/15/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.50 | 07:30 | 6 | TRIPS | TOH, Trip smooth. Stand back wt pipe and 6" collars. |

Bill Barrett Corporation

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 07:30 | 20.00 | 03:30 | 2 | DRILL ACTUAL | Drlg 850-1920'. Sliding as needed. Lost 200 bbls @ 850'. Treat with 5-8% LCM |
| 03:30 | 1.00 | 04:30 | 5 | COND MUD & CIRC | Circulate clean and pump dryjob. Blow down mud line and top drive |
| 04:30 | 1.50 | 06:00 | 6 | TRIPS | Rig up laydown trk. L/D 8 *' tools |

## 13-12-46 BTR 12/15/2011 06:00 - 12/16/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 3.00 | 09:00 | 6 | TRIPS | Laydown 8" NMDC's, MM etc. |
| 09:00 | 12.00 | 21:00 | 12 | RUN CASING & CEMENT | Rig up laydown machine, casing crew etc. RIH 45 jts 9 5/8" 36# J55 csg with float collar and float shoe. Land @ 1915'. Cmt in place with 300 sks (169 bbls) 11#/gal lead cmt and 210 sks (60 bbls) 14.8 #/gal tail cmt. Returned app 60 bbls cmt to pit. final pump pressure 300#. Bumped plug 600# over. Floats held. Rig down cmt head and Top out. Pumped 100 sks 15.8# G with 2% cal. Circulated 5 bbls to pit and standing full. Flush conductor. |
| 21:00 | 3.00 | 00:00 | 13 | WAIT ON CEMENT | Wait on cmt. |
| 00:00 | 4.50 | 04:30 | 14 | NIPPLE UP B.O.P | Cut off csg, Weld on csg head. |
| 04:30 | 1.50 | 06:00 | 14 | NIPPLE UP B.O.P | N/U BOP. |

## 13-12-46 BTR 12/16/2011 06:00 - 12/17/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 2.00 | 08:00 | 14 | NIPPLE UP B.O.P | Finish N/U BOP |
| 08:00 | 0.50 | 08:30 | 7 | LUBRICATE RIG | Rig Service |
| 08:30 | 7.00 | 15:30 | 15 | TEST B.O.P | Test BOP, Test top drive, upper & lower kelly valves, inside bop, safety valve, pipe rams, blind rams, HCR valve, choke manifold to 5000#, test annular to 2500 and csg to 1500. |
| 15:30 | 0.50 | 16:00 | 21 | OPEN | Install wear bushing. |
| 16:00 | 1.50 | 17:30 | 20 | | Pickup 6 3/4" dir equipment and orient. |
| 17:30 | 1.50 | 19:00 | 6 | TRIPS | TIH collars and HWDP. Fill pipe and attempt to circ. Packed off. |
| 19:00 | 2.50 | 21:30 | 6 | TRIPS | TOH, mud in pipe clean. Top NMDC plugged. (same NMDC that was plugged last well. Was sent in but was sent back without being cleaned out. Swap out rescribe tools. |
| 21:30 | 2.00 | 23:30 | 6 | TRIPS | TIH filling and circ. Tag @ 1860'. Install rotating head rubber and break circulation. |
| 23:30 | 1.50 | 01:00 | 2 | DRILL ACTUAL | Drill out shoe, drill to 1940'. Do FIT to 10.5# equivalent MW. (201# @ sfc.) Held good. |
| 01:00 | 3.50 | 04:30 | 2 | DRILL ACTUAL | Drlg and sliding to maintain vertical control. 3.1* inc<br>219 azi. |

## 13-12-46 BTR 12/17/2011 06:00 - 12/18/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 9.00 | 15:00 | 2 | DRILL ACTUAL | Drlg 2169-2694'. 525' in 9 hrs. 58 fph.<br>Hunting 6.5" 1.83 fixed, 7/8 3.3 st .16 rpg BtoB 6'. |
| 15:00 | 0.50 | 15:30 | 7 | LUBRICATE RIG | Rig service |
| 15:30 | 14.50 | 06:00 | 2 | DRILL ACTUAL | Drlg 2694-3750'. Sliding as needed. 1056' Currently 6* inc at 95.7 azi. |

## 13-12-46 BTR 12/18/2011 06:00 - 12/19/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 8.00 | 14:00 | 2 | DRILL ACTUAL | Drlg 3750-4255' Drlg and sliding as needed. 4.7* @ 78.4 azi. |
| 14:00 | 0.50 | 14:30 | 7 | LUBRICATE RIG | Rig service, function BOP |
| 14:30 | 15.50 | 06:00 | 2 | DRILL ACTUAL | Drlg 4255-4748'. Drilg and sliding as need. 3.4* @ 107 azi. Starting vertical sec. 8.6# 33 vis Had 120 bbl loss @ 4450 |

Bill Barrett Corporation

## 13-12-46 BTR 12/19/2011 06:00 - 12/20/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 11.50 | 17:30 | 2 | DRILL ACTUAL | Drlg 4748'- 5255', 2.61 inc @ 148 azi. Mud 8.6#, 35 vis, 1.8 ppb dap. |
| 17:30 | 0.50 | 18:00 | 7 | LUBRICATE RIG | Rig Service, function BOP |
| 18:00 | 0.50 | 18:30 | 2 | DRILL ACTUAL | Drlg 5255-5307 |
| 18:30 | 11.00 | 05:30 | 8 | REPAIR RIG | Dynamic brake cubicle caught on fire in VFD house @ 1835 hrs. Lost all power to rig except lights and such. Pumps running @ 2345 hrs. Circ at 60 spm (270gpm) Lost returns @ 3: 45 am. Pump LCM sweeeps regained @ 0435 am. Lost 200 bbls. VFD repaired @ Resume drlg. |
| 05:30 | 0.50 | 06:00 | 2 | DRILL ACTUAL | Drlg 5307-5320 |

## 13-12-46 BTR 12/20/2011 06:00 - 12/21/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 8.00 | 14:00 | 2 | DRILL ACTUAL | Drlg & Sliding, 5320-5665'. 345' in 8 hrs. Avg 43 fph. 2.6* @ 190 azi. MW 8.8+ 36 vis. |
| 14:00 | 0.50 | 14:30 | 7 | LUBRICATE RIG | Rig service, function BOP |
| 14:30 | 15.50 | 06:00 | 2 | DRILL ACTUAL | Drlg & Sliding 5665-6170'. Drlg thru Castle Peak. Back to vertical sec. Survey @ 6002' 1* @ 228 azi. Mud 9.1+ 38 vis 14% lcm. |

## 13-12-46 BTR 12/21/2011 06:00 - 12/22/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 10.00 | 16:00 | 2 | DRILL ACTUAL | Drlg 6170-6447'. Will not steer. Gaining angle 2.3* @ 216 azi. |
| 16:00 | 0.50 | 16:30 | 7 | LUBRICATE RIG | Rig service function BOP |
| 16:30 | 3.00 | 19:30 | 2 | DRILL ACTUAL | Drlg 6447-6532. Sliding 100%. Still won't steer. Check shot 2.6* @ 216 azi |
| 19:30 | 2.00 | 21:30 | 5 | | Circ while cleaning trip tanks and slug tank. Mix and pump dryjob. |
| 21:30 | 5.00 | 02:30 | 6 | TRIPS | TOH lay down bit and motor. Bit graded 2-3. |
| 02:30 | 3.50 | 06:00 | 6 | TRIPS | Pickup Smith MI616 and fresh motor Hunting 7/8 lobe 3.5 stage .15 rpg 1.5* fixed bend. Orient dir tools. TIH. to csg shoe. |

## 13-12-46 BTR 12/22/2011 06:00 - 12/23/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 12.00 | 18:00 | 6 | TRIPS | TOH, Clean out MWD, rescribe tools. Stage in hole filling and circulating, |
| 18:00 | 9.00 | 03:00 | 2 | DRILL ACTUAL | Drlg & Sliding 6532-6811' Lost returns @ 6811. Mix and pump LCM. Regained returns after 200 bbls. MW 9.4# vis 40 LCM 18%. |
| 03:00 | 3.00 | 06:00 | 2 | DRILL ACTUAL | Drlg & sliding 6811-6912. Last survey .8* @ 241 azi. |

## 13-12-46 BTR 12/23/2011 06:00 - 12/24/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 9.00 | 15:00 | 2 | DRILL ACTUAL | Steerable Drill F/ 6912' to 7380' ( 468' @ 52'/ Hr.)<br>Wob 25k, Rotary 45, Motor 73 Rpm, Gpm 490, SPP 1950 Psi.<br>Slide Wob 15k, Gpm 490, Motor Rpm 73,<br>Rotate 48%, Slide 52%. |
| 15:00 | 0.50 | 15:30 | 7 | LUBRICATE RIG | Service Rig |
| 15:30 | 14.50 | 06:00 | 2 | DRILL ACTUAL | Steerable Drill F/ 7380' To 8043' ( 663' @ 45.7'/ Hr.)<br>Wob 25k, Rotary Rpm 55, Motor 73 Rpm, Gpm 490, SPP 2000 Psi,<br>Slide wob 10-15k, Gpm 490, Trying To Keep Angle Below 2.5 Deg.<br>24 Hr -Rotate 48%, Slide 52%. |

## 13-12-46 BTR 12/24/2011 06:00 - 12/25/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

Bill Barrett Corporation

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 7.50 | 13:30 | 2 | DRILL ACTUAL | Steerable Drill F/ 8043' To 8270' MTD. ( 227' @ 30'/ Hr.) Had To Steer Extensive To Keep Angle/ AZ Under Control. |
| 13:30 | 4.00 | 17:30 | 5 | COND MUD & CIRC | Circ & Condition For Short Trip. Had Trouble With Mixing Equipment, Slug DP. |
| 17:30 | 2.50 | 20:00 | 6 | TRIPS | Short Trip 20 Stds To 6400' ( Prev. Bit Trip @ 6532'). |
| 20:00 | 2.00 | 22:00 | 5 | COND MUD & CIRC | Wash 60' To Btm 5' Fill, Circ & Cond - Mix & Slug Dp. |
| 22:00 | 0.50 | 22:30 | 6 | TRIPS | TOH 10 Stds Dp. |
| 22:30 | 7.50 | 06:00 | 22 | LAY DOWN DRILL PIPE | Lay Down Contractors DP. |

## 13-12-46 BTR 12/25/2011 06:00 - 12/26/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 4.50 | 10:30 | 22 | LAYDOWN DRILL PIPE | Laydown Contractors DP & Directional Tools. |
| 10:30 | 0.50 | 11:00 | 12 | RUN CASING & CEMENT | Pull Wear Bushing |
| 11:00 | 1.00 | 12:00 | 12 | RUN CASING & CEMENT | Held Pre-Job Safety Mtg. R/U Kimzey Casing Running Tools. |
| 12:00 | 10.50 | 22:30 | 12 | RUN CASING & CEMENT | Run 5-1/2", 17.0#, P-110, LTC Prod. Casing= Float Shoe, 2 Jts Csg, Float Collar & circ Thru Shoe Track. Run 17 Full Jts, Marker Jt 20', 20 Full Jts Csg, Marker Jt 20', 22 Full Jts Csg, Marker Jt 20', 127 Full Jts Csg To Surface. Broke Circ @ 1900', 4000', 6000, @ 8230', Wash 20' To Btm @ 8250'. |
| 22:30 | 1.50 | 00:00 | 5 | COND MUD & CIRC | Break Circ, Wash To 8250', Could Not Wash Thru Bridge @ 8250', Circ & Cond For Cement. |
| 00:00 | 1.50 | 01:30 | 12 | RUN CASING & CEMENT | Held Pre-Job Safety Mtg, Rig Up Halliburton Cement Equip & Lines. |
| 01:30 | 4.00 | 05:30 | 12 | RUN CASING & CEMENT | Cement 5 1/2" Production Csg.= Held Pre-Job Safety Mtg; Pressure Test Lines To 5000 Psi. OK.<br>Pump 5 Bbl Water, 40 Bbl Of Super Flush @ 10.0 Ppg, 5 Bbl Water, Mix & Pump 600 sx Lead,249 Bbl, Tuned Light @ 11.0 Ppg, 2.33 yld, 10.63 gps Water, w/ .125 #/Sk Poly Flake, 1.0#/sk Granulite. Tail W/ 740 Sx, 187 Bbl, ECONOCEM Mixed @ 13.5 Ppg, 1.42 yld, 6.61 Gps Water, w/ .125#/sk Poly flake & 1.0#/sk Granulite. Drop Plug & Displace W/ 190 Bbl Fresh Water w/ Biocide. Bumped Plug w/ 2250 Psi, 500 Psi Over. Floats Held, NO Cement To Surface, Lost Returns When 144 Bbl Of 187 Bbl Of Displacement Pumped. C.I.P. @ 04:50 AM. R/D Halliburton. |
| 05:30 | 0.50 | 06:00 | 14 | NIPPLE DOWN B.O.P | Nipple Down Bop - In Prep To Set 5-1/2" Csg Hanger Slips. |

## 13-12-46 BTR 12/26/2011 06:00 - 12/27/2011 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | COMPLETION | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 3.00 | 09:00 | 14 | NIPPLE DOWN B.O.P | N/D BOPs, Set 5-1/2" Cameron Csg Hanger Slips, W/ 170k ( 30k Tension). Cut-off & Remove Landing Jt.<br>Note: Freeze Protected 9-5/8" x 5-1/2" Annulas W/ Diesel & I.D. Of 5-1/2" Prod Casing. Install "Night Cap" On Wellhead.<br>Set Bop Back In Preparation To Move Rig. |
| 09:00 | 6.00 | 15:00 | 22 | CLEAN MUD TANKS | Dump & Clean Mud Tanks.... RELEASE RIG FROM DAYWORK CONTRACT @ 15:00 Hr on 12/26/2011. LAST DRILLING REPORT FOR THIS WELL.. |
| 15:00 | 0.00 | 15:00 | 1 | RIGUP & TEARDOWN | Rig Down Prep To Demobe |

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

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 14-20-H62-6403

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☑ SUBSEQUENT REPORT<br>Date of Work Completion:<br>1/26/2012 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☑ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

This well had first gas sales on 1/24/12 and first oil sales on 1/26/12.

**Accepted by the**
**Utah Division of**
**Oil, Gas and Mining**
**FOR RECORD ONLY**
January 30, 2012

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Venessa Langmacher | 303 312-8172 | Senior Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 1/30/2012 |

RECEIVED: Jan. 30, 2012

FORM 9

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 14-20-H62-6403

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>1/31/2012 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

January 2012 Monthly Drilling Report attached.

**Accepted by the**
**Utah Division of**
**Oil, Gas and Mining**
**FOR RECORD ONLY**
February 06, 2012

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 2/6/2012 |

RECEIVED: Feb. 06, 2012

Bill Barrett Corporation

## 13-12-46 BTR 1/1/2012 06:00 - 1/2/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| | | | | | |

## 13-12-46 BTR 1/2/2012 06:00 - 1/3/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 24.00 | 06:00 | LOCL | Lock Wellhead & Secure | Well shut in and Secured.<br>Construction Crew continue to work on production facilities.<br>Moved in frac tank and start prepping location for upcoming frac. |

## 13-12-46 BTR 1/3/2012 06:00 - 1/4/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 6.50 | 12:30 | GOP | General Operations | Production Crews Working On Facilities. Spotting Tanks Into Frac Line. |
| 12:30 | 2.00 | 14:30 | SRIG | Rig Up/Down | HES Logging Crew Arrive On Location, Hold Safety Meeting. Rig Up Logging Tool And Calibrate, Prep Junk Basket For First Run. |
| 14:30 | 9.50 | 00:00 | LOGG | Logging | RIH With 4.5" OD Gauge Ring/Junk Basket, Tag PBTD At 8125', FC At 8155', POOH, Pick Up RBT/CBL/RMIT Tool, RIH TO PBTD, Ran Tie In Pass To 7525', Dropped Down, Completed Repeat Pass. Verified Depth, Applied 1000 Psi To Casing, Ran Main Pass From 8125' To 3000', Turned Off RMIT, Logged To Surface With RBT/CBL. TOC At 2150'. Located Marker Joints At 7399-7419, 6455-6476, And 5529-5550'. |
| 00:00 | 6.00 | 06:00 | LOCL | Lock Wellhead & Secure | Rig Down Logging Equipment, Secure Well With Night Cap. SDFD. |

## 13-12-46 BTR 1/4/2012 06:00 - 1/5/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 24.00 | 06:00 | GOP | General Operations | Prod. Crews Working On Facilities, Filling Frac Tanks With KCL, Rigged Up Fall Protection On Frac Line. |

## 13-12-46 BTR 1/5/2012 06:00 - 1/6/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 24.00 | 06:00 | GOP | General Operations | Prod. Crews Working On Facilities. Set Mandrel And Tested. Finish Filling Frac Line With 3% KCL. |

## 13-12-46 BTR 1/6/2012 06:00 - 1/7/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 24.00 | 06:00 | GOP | General Operations | Prod. Crews Working On Facilities. Rigged Up Fill Manifold On Frac Line. Grounded FlowBack Tanks. |

## 13-12-46 BTR 1/9/2012 06:00 - 1/10/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 24.00 | 06:00 | GOP | General Operations | Set Frac Tree. Test Csg./Tree. Test FlowBack Iron And SandTrap. |

## 13-12-46 BTR 1/10/2012 06:00 - 1/11/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Bill Barrett Corporation**

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 24.00 | 06:00 | GOP | General Operations | Move In Storage Tanks And Berm. Last Report Until 01-15-12. |

## 13-12-46 BTR 1/15/2012 06:00 - 1/16/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.50 | 07:30 | LOCL | Lock Wellhead & Secure | WSI And Secured. |
| 07:30 | 2.67 | 10:10 | SRIG | Rig Up/Down | SLB W/L Crew Arrive On Location. Hold Safety Meeting. Spot Equipment, Rig-Up Lubricator And Pressure Control. Nipple Up To WellHead With Lub., Pressure Test To 4500 Psi..Arm Gun. |
| 10:10 | 1.33 | 11:30 | 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 Radial Cement Bond Log Dated 01-3-2012, Found And Correlated To Marker Joints At 5529 - 5550', 6455 - 6476', And 7399 - 7419'. Drop Down To Depth And Shoot Stage 1 CR-6 Zone As Follows; 7781 - 82, 7789 - -90, 7807 - 08, 7820 - 21, 7835 - 36, 7845 - 46, 7857 - 58, 7879 - 80,<br>7898 - 99, 7907 - 08, 7919 - 20, 7930 - 31, 7946 - 47, 7966 - 67, 7974 - 75, 7988 - 90. 51 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 11:30 | 6.50 | 18:00 | SRIG | Rig Up/Down | HES Arrive On Location At 0900 Hrs., Spot And Rig-Up Equipment. |
| 18:00 | 12.00 | 06:00 | LOCL | Lock Wellhead & Secure | WSI And Secured. |

## 13-12-46 BTR 1/16/2012 06:00 - 1/17/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.09 | 07:05 | GOP | General Operations | HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Hold Safety Meeting. Ran QC On Fluid, Looks Good. |
| 07:05 | 1.42 | 08:30 | FRAC | Frac. Job | Open Well. ICP - 20 Psi. Frac Stage 1. BreakDown At 9.8 Bpm And 2942 Psi.. Pump 3900 Gals. 15% HCL And 102 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilzed Rate 71.4 Bpm, Pressure 3609 Psi. ShutDown, Isip 1866 Psi., .68 F.G., 51/51 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad,Stage Into 2,3,3.5 And 4# 20/40 SLC Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2170 Psi., .72 F.G.. Shut In Well.<br>Total Clean Fluid 133,979 Gals./ 3190 Bbls.<br>Total 20/40 SLC 149,750#<br>BWTR 3354 Bbls.<br>Avg. Rate 72.0 Bpm Max Rate 72.4 Bpm<br>Avg. Pres 3013 Psi Max. Pres 3431 Psi |
| 08:30 | 0.25 | 08:45 | CTUW | W/L Operation | Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equlaize And Open. |
| 08:45 | 1.25 | 10:00 | 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 Radial CBL Dated 01-03-2011. Found And Correlated To Marker Joints At 5529 - 5550', 6455 - 6476' And 7399 - 7419'. Drop Down To Depth, Set CBP At 7765'. Pull Up And Shoot Stage 2 CR-6/CR-5 Zone As Follows; 7511 - 12, 7525 - 26, 7539 - 40, 7559 - 60, 7577 - 78, 7596 - 97,<br>7609 - 10, 7620 - 21, 7644 - 45, 7671 - 72, 7693 - 94, 7713 - 14, 7744 - 45. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 10:00 | 0.25 | 10:15 | GOP | General Operations | Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure. |
| 10:15 | 1.33 | 11:35 | FRAC | Frac. Job | Open Well. ICP - 1755 Psi. Frac Stage 2. BreakDown At 8.8 Bpm And 2704 Psi.. Pump 3900 Gals. 15% HCL And 78 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilzed Rate 69.5 Bpm, Pressure 4247 Psi. ShutDown, Isip 1941 Psi., .69 F.G., 39/39 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad, Stage Into 2,3,3.5 And 4# 20/40 SLC Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2118 Psi., .72 F.G.. Shut In Well.<br>Total Clean Fluid 133,643 Gals./ 3182 Bbls.<br>Total 20/40 SLC 152,610#<br>BWTR 3331 Bbls.<br>Avg. Rate 72.3 Bpm Max Rate 72.5 Bpm<br>Avg. Pres 3120 Psi Max. Pres 3730 Psi |
| 11:35 | 0.25 | 11:50 | CTUW | W/L Operation | Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equlaize And Open. |

Bill Barrett Corporation

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 11:50 | 1.17 | 13:00 | 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 Radial CBL Dated 01-03-2011. Found And Correlated To Marker Joints At 5529 - 5550', 6455 - 6476' And 7399 - 7419'. Drop Down To Depth, Set CBP At 7500'. Pull Up And Shoot Stage 3 CR-4A/CR-4 Zone As Follows; 7299 - 7300, 7309 - 10, 7323 - 24, 7338 - 39, 7357 - 58, 7376 - 77, 7393 - 94, 7408 - 09, 7421 - 22, 7433 - 34, 7449 - 50, 7463 - 64, 7477 - 78. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 13:00 | 0.17 | 13:10 | GOP | General Operations | Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure. |
| 13:10 | 1.33 | 14:30 | FRAC | Frac. Job | Open Well. ICP - 1820 Psi. Frac Stage 3. BreakDown At 11.8 Bpm And 3021 Psi.. Pump 3900 Gals. 15% HCL And 78 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilzed Rate 71.8 Bpm, Pressure 3650 Psi. ShutDown, Isip 1951 Psi., .70 F.G., 39/39 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad, Stage Into 2,3,3.5 And 4# 20/40 White Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2670 Psi., .78 F.G.. Shut In Well.<br>Total Clean Fluid 135,116 Gals./3217 Bbls.<br>Total 20/40 White 156,205#<br>BWTR 3414 Bbls.<br>Avg. Rate 72.5 Bpm Max Rate 72.6 Bpm<br>Avg. Pres 3034 Psi Max. Pres 3596 Psi |
| 14:30 | 0.25 | 14:45 | CTUW | W/L Operation | Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equlaize And Open. |
| 14:45 | 1.25 | 16:00 | 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 Radial CBL Dated 01-03-2011. Found And Correlated To Marker Joints At 5529 - 5550' And 6455 - 6476'. Drop Down To Depth, Set CBP At 7291'. Pull Up And Shoot Stage 4 CR-4 Zone As Follows; 7101 - 02, 7109 - 10, 7135 - 37, 7153 - 54, 7168 - 69, 7180 - 81, 7196 - 97, 7209 - 10,<br>7224 - 26, 7253 - 54, 7270 - 71. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 16:00 | 2.00 | 18:00 | GOP | General Operations | HES And SLB ShutDown And Secure Equipment. |
| 18:00 | 12.00 | 06:00 | LOCL | Lock Wellhead & Secure | WSI And Secured. Refill Frac Line, Refill/Heat Staging Area. SDFD. |

## 13-12-46 BTR 1/17/2012 06:00 - 1/18/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.09 | 07:05 | GOP | General Operations | HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Hold Safety Meeting. Ran QC On Fluid, Looks Good. |
| 07:05 | 1.42 | 08:30 | FRAC | Frac. Job | Open Well. ICP - 1740 Psi. Frac Stage 4. BreakDown At 11.2 Bpm And 3366 Psi.. Pump 3900 Gals. 15% HCL And 78 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilzed Rate 71.2 Bpm, Pressure 4050 Psi. ShutDown, Isip 2073 Psi., .73 F.G., 29/39 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad,Stage Into 2,3,3.5 And 4# 20/40 SLC Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2137 Psi., .74 F.G.. Shut In Well.<br>Total Clean Fluid 142,485 Gals./ 3393 Bbls.<br>Total 20/40 White 165,000#<br>BWTR 3568 Bbls.<br>Avg. Rate 72.0 Bpm Max Rate 72.1 Bpm<br>Avg. Pres 3164 Psi Max. Pres 3924 Psi |
| 08:30 | 0.25 | 08:45 | CTUW | W/L Operation | Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equlaize And Open. |
| 08:45 | 1.17 | 09:55 | 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 Radial CBL Dated 01-03-2011. Found And Correlated To Marker Joints At 5529 - 5550' And 6455 - 6476'. Drop Down To Depth, Set CBP At 7096'. Pull Up And Shoot Stage 5 CR-3 Zone As Follows; 6940 - 41, 6949 - 50, 6967 - 68, 6978 - 79, 6997 - 98, 7010 - 11, 7024 - 25, 7038 - 39,<br>7054 - 55, 7064 - 65, 7078 - 79. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 09:55 | 0.08 | 10:00 | GOP | General Operations | Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure. |

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**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 10:00 | 1.42 | 11:25 | FRAC | Frac. Job | Open Well. ICP - 1775 Psi. Frac Stage 5. BreakDown At 11.3 Bpm And 1928 Psi.. Pump 3900 Gals. 15% HCL And 66 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilzed Rate 70.6 Bpm, Pressure 4117 Psi. ShutDown, Isip 1986 Psi., .72 F.G., 27/33 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad, Stage Into 2,3,3.5 And 4# 20/40 SLC Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 2180 Psi., .75 F.G.. Shut In Well.<br>Total Clean Fluid 142,862 Gals./ 3401 Bbls.<br>Total 20/40 White 166,300#<br>BWTR 3602 Bbls.<br>Avg. Rate 72.1 Bpm Max Rate 72.2 Bpm<br>Avg. Pres 3162 Psi Max. Pres 3969 Psi |
| 11:25 | 0.25 | 11:40 | CTUW | W/L Operation | Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equlaize And Open. |
| 11:40 | 1.08 | 12:45 | 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 Radial CBL Dated 01-03-2011. Found And Correlated To Marker Joints At 5529 - 5550' And 6455 - 6476'. Drop Down To Depth, Set CBP At 6910'. Pull Up And Shoot Stage 6 CR-3/CR-2 Zone As Follows; 6726 - 28, 6739 - 40, 6749 - 50, 6769 - 70, 6787 - 88, 6800 - 01, 6815 - 17,<br>6838 - 39, 6856 - 57, 6877 - 78, 6889 - 90. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 12:45 | 0.08 | 12:50 | GOP | General Operations | Turn Well Over To HES. Pressure Test To 8500 Psi., Equalize To Well Pressure. |
| 12:50 | 1.42 | 14:15 | FRAC | Frac. Job | Open Well. ICP - 1635 Psi. Frac Stage 6. BreakDown At 10.9 Bpm And 2170 Psi.. Pump 3900 Gals. 15% HCL And 78 BioBalls, Flush Away. Down 15 Min. For Balls To Fall. Bring Back Up To Rate, Stabilzed Rate 71.0 Bpm, Pressure 3848 Psi. ShutDown, Isip 1685 Psi., .69 F.G., 27/39 Holes Open. Pump SlickWater Pad, Start XLink, Pump Pad, Stage Into 2,3,3.5 And 4# 20/40 White Stages Maintaining 20# Linear Gel. OverFlush Bottom Perf. Volume 15 Bbls., ShutDown. Isdp 1993 Psi., .73 F.G.. Shut In Well.<br>Total Clean Fluid 143,153 Gals./3408 Bbls.<br>Total 20/40 White 166,200#<br>BWTR 3651 Bbls.<br>Avg. Rate 71.1 Bpm Max Rate 72.1 Bpm<br>Avg. Pres 2978 Psi Max. Pres 3508 Psi |
| 14:15 | 0.25 | 14:30 | CTUW | W/L Operation | Turn Well Over To W/L, Arm Gun, Pick-Up With Baker 20 Setting Kit And HES FAS Drill CBP, Nipple Up To Well. Equlaize And Open. |
| 14:30 | 1.17 | 15:40 | 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 Radial CBL Dated 01-03-2011. Found And Correlated To Marker Joints At 5529 - 5550' And 6455 - 6476'. Drop Down To Depth, Set CBP At 6685'. Pull Up And Shoot Stage 7 CR-2/Wasatch Zone As Follows; 6431 - 32, 6454 - 55, 6475 - 76, 6499 - 6500, 6514 - 15, 6534 - 35, 6549 - 50,<br>6565 - 66, 6592 - 93, 6608 - 09, 6614 - 15, 6629 - 30, 6660 - 61. 39 Holes. POOH. Verify On Surface All Shots Fired, LD Spent Gun. WSI And Secured. |
| 15:40 | 1.33 | 17:00 | GOP | General Operations | HES And SLB ShutDown And Secure Equipment. |
| 17:00 | 13.00 | 06:00 | LOCL | Lock Wellhead & Secure | WSI And Secured. Refill Frac Line, Refill/Heat Staging Area. SDFD. |

## 13-12-46 BTR 1/18/2012 06:00 - 1/19/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 0.75 | 06:45 | GOP | General Operations | HES Arrived @ 05:00 hrs, Started Frac equipment, Primed pumps and frac equipment. Ran QA/QC Fluid Checks, Pressure tested treating iron to 9210. Good pressure test. |
| 06:45 | 0.25 | 07:00 | SMTG | Safety Meeting | Held safety meeting with all contractors on location. Reviewed JSA, identified Safe Zone / Red Zone around frac equipment, using good communication during the job, working around suspended loads and pressurized equipment. Established muster points. |

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**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 07:00 | 1.50 | 08:30 | FRAC | Frac. Job | Open well with 1550 psi on the csg. Initiated Stg #7 frac. Pressure tested treating iron @ 9210 psi. Stg #7 of 9, Zone Stg: Wasatch, CR-2 Water Temp @ 66 *. Open Well @ 06:45 Hrs, @ 1552 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 10.8 bpm, 2888 psi. Started on 15%HCL @ 10.8 bpm 2089 psi, Pumped Bioballs @ 30.1 bpm 2500 psi.Total Bbls of 15% HCL Pump 93 bbls & Bio-Balls pumped 78. Started on 3% KCL Slick Water pad @ 72.0 bpm, 3645 psi. Open Perforation = 25 out of 39 shots, ISIP = 1607 psi, .69 Frac Gradient. Started on X-link pad @ 72.4 bpm, 3204 psi<br>Start 2#/ Gal 20/40 Prem White sand, 72.4 bpm, 3266 psi<br>2# 72.4 bpm, 3260 psi 2# On perfs bpm 72.1 @ 3001 psi<br>3# 72.4 bpm, 2889 psi 3# On perfs bpm 72.4 @ 2606 psi<br>Seen a 500 psi increase in net pressure, Cut sand early and went to flush.<br>On Flush @ 70.0 bpm, 3210 psi<br>Final Injection,70.5 bpm, 3250 psi<br>Open Perforation = 33 out of 39 shots, ISDP, 1765 psi, 0.71 Frac Gradient.<br>Max Rate 70.0 bpm, Max Pressure 5725 psi.<br>Avg Rate 69.3 bpm, Avg Pressure 3272 psi<br>Total X-link fluids pumped:40,563 gals<br>Total Slick water Pad pumped: 64,650 gals<br>Total fluid in bbls pumped: 2597 bbls<br>Total Prem White Sand pumped, 20/40 = 71,700#,<br>Total 100 Mesh Sand Pumped: 0<br>Placed only 46% of prop in formation, Cut sand in 3# Stg due to pressure spike. |
| 08:30 | 1.25 | 09:45 | PFRT | Perforating | R/U E-line, P/up stg #8, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6426', with 1550 psi, pulled up and perforated stg #8 intervals from 6205' to 6412'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #8. |
| 09:45 | 1.50 | 11:15 | FRAC | Frac. Job | Pressure tested treating iron @ 8940 psi. Stg #8 of 9, Zone Stg CR-1, CR-1A, Uteland Butte, Water Temp @ 68 * Open Well @ 09:25 Hrs, @ 1450 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 11 bpm, 1610 psi. Started on 15%HCL @ 11.4 bpm 1585 psi, Pumped Bioballs @ 30 bpm 2100 psi. Total Bbls of 15% HCL Pump 93 bbls & Bio-Balls pumped 78<br>Started on 3% KCL Slick Water pad @ 71.7 bpm, 3177 psi, shut down for ISIP & Open Perforation = 29 out of 39 shots, ISIP = 1465 psi, .67 Frac Gradient. Started on X-link / 1# ppg 100 mesh pad @ 72.2 bpm, 2926 psi. Start 1#/ Gal 20/40 Prem White sand, 72.1 bpm, 2804 psi<br>1# 72.1 bpm, 2804 psi 1# On perfs bpm 72.1 @ 2680 psi<br>2# 72.1 bpm, 2671 psi 2# On perfs bpm 72.1 @ 2511 psi<br>3# 72.1 bpm, 2504 psi 3# On perfs bpm 72.4 @ 2361 psi<br>3.5# 72.5 bpm, 2280 psi 3.5# On perfs bpm 72.4 @ 2236 psi<br>4# 72.4 bpm, 2237 psi 4# On perfs bpm 72.4 @ 2156 psi<br>On Flush @ 71.3 bpm, 2231 psi<br>Final Injection, 73.4 bpm, 2663 psi<br>Open Perforation = 39 out of 39 shots, ISDP, 1395 psi, 0.66 Frac Gradient.<br>Max Rate 72.5 bpm, Max Pressure 4174 psi.<br>Avg Rate 70.8 bpm, Avg Pressure 2729 psi<br>Total X-link fluids pumped: 76,846 gals<br>Total Slick water Pad pumped: 64,208 gals<br>Total fluid in bbls pumped: 3451 bbls<br>Total Prem White Sand pumped, 20/40 = 156,700#,<br>Total 100 Mesh Sand Pumped: 18,900, Job was pumped as designed. |
| 11:15 | 1.25 | 12:30 | PFRT | Perforating | R/U E-line, P/up stg #9, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on . Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6198', with 1400 psi, pulled up and perforated stg #9 intervals from 5885' to 6168'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #9. |

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**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 12:30 | 1.50 | 14:00 | FRAC | Frac. Job | Pressure tested treating iron @ 8920 psi. Stg #9 of 9, Zone Stg Castle Peak, Black Shale, Water Temp @ 66 *<br>Open Well @ 12:58 Hrs, @ 998 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 11.1 bpm, 1120 psi.<br>Started on 15%HCL @ 11.4 bpm 1165 psi, Pumped Bioballs @ 30 bpm 1515 psi. Total Bbls of 15% HCL Pump 93 bbls & Bio-Balls pumped 78. Started on 3% KCL Slick Water pad @ 72.1 bpm, 2880 psi. Open Perforation = 25 out of 39 shots, ISIP = 1062 psi, .62 Frac Gradient. Started on X-link pad / 1# ppg 100 mesh @ 72.5 bpm, 2900 psi<br>Start 1#/ Gal 20/40 Prem White sand, 72.7 bpm, 2511 psi<br>1# 72.7 bpm, 2510 psi 1# On perfs bpm 72.6 @ 2440 psi<br>2# 72.3 bpm, 2422 psi 2# On perfs bpm 72.3 @ 2257 psi<br>3# 72.3 bpm, 2230 psi 3# On perfs bpm 72.4 @ 2021 psi. secondary blender screw was locked up, unable to hit 3.5# and 4# ppg sand Conc.<br>3# 72.4 bpm, 1968 psi 3# On perfs bpm 72.6 @ 2075 psi<br>On Flush @ 72.6 bpm, 2075 psi<br>Final Injection, 72.6 bpm, 2205 psi<br>Open Perforation = 39 out of 39 shots, ISDP, 977 psi, 0.63 Frac Gradient.<br>Max Rate 73 bpm, Max Pressure 3935 psi.<br>Avg Rate 70.8 bpm, Avg Pressure 2519 psi<br>Total X-link fluids pumped: 63,939 gals<br>Total Slick water Pad pumped: 80,482 gals<br>Total fluid in bbls pumped: 3531 bbls<br>Total Prem White Sand pumped, 20/40 = 149,600#,<br>Total 100 Mesh Sand Pumped: 20,460# |
| 14:00 | 1.00 | 15:00 | WLWK | Wireline | Turned well over to E-line crew, P/up CBP / Kill plug. RIH and completed tie in at target depth, Set CBP @ 5824' with 1050 psi on the csg. Bled csg pressure down to 0 psi and verified kill plug holding static pressure. watch for 5 minutes with 0 flow from the well. Continued to pooh with e-line and setting tool. L/D setting tool, Started to rig down e-line equipment. |
| 15:00 | 2.50 | 17:30 | SRIG | Rig Up/Down | Finished rigging down frac and E-line equipment, moved everything off of location, Trap and covered frac tree. Batch frac tanks. |
| 17:30 | 12.50 | 06:00 | LOCL | Lock Wellhead & Secure | Policed and secured location for the night. |

## 13-12-46 BTR 1/19/2012 06:00 - 1/20/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.00 | 07:00 | LOCL | Lock Wellhead & Secure | WSI. |
| 07:00 | 0.50 | 07:30 | SMTG | Safety Meeting | JSA Safety Meeting |
| 07:30 | 3.00 | 10:30 | SRIG | Rig Up/Down | RDMO w/o rig off of 13-16D-36 BTR.<br>MIRU w/o Rig. |
| 10:30 | 1.00 | 11:30 | BOPI | Install BOP's | ND Goat Head & Frac Tree, NU 7 1/16" 5K BOP & 7 1/16" 5K Flow Cross, & 7 1/16" 5K Annullar.<br>Function Testl. |
| 11:30 | 1.00 | 12:30 | SRIG | Rig Up/Down | RU work Floor & Tbg. equip.<br>Unload 270 Jts. of 2 7/8" L80 EUE Tbg. |
| 12:30 | 4.50 | 17:00 | RUTB | Run Tubing | PU 4 5/8" Chomp Mill, 1 Jt. 2 7/8" L80 EUE Tbg., 2.205" XN Nipple, 1 Jt., 2.313 X Nipple, Cont. PU Tbg. Tag Kill Plug @ 6520", Lay down 1 Jt. |
| 17:00 | 0.50 | 17:30 | SRIG | Rig Up/Down | RU Power Swivel |
| 17:30 | 0.50 | 18:00 | GOP | General Operations | Tarp in well head, drain up fluid lines & Pump. |
| 18:00 | 12.00 | 06:00 | LOCL | Lock Wellhead & Secure | Secure well, SDFN. |

## 13-12-46 BTR 1/20/2012 06:00 - 1/21/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.00 | 07:00 | LOCL | Lock Wellhead & Secure | WSI. |
| 07:00 | 0.50 | 07:30 | SMTG | Safety Meeting | JSA Safety Meeting. |
| 07:30 | 1.50 | 09:00 | DOPG | Drill Out Plugs | Establish Circulation w/ Rig Pump @ 1.5 Bbls./min.<br>Drill out Kill Plug @ 5824' took 500# Kick. Plug came up hole 20'.<br>Finished drilling out plg.<br>Tried making connection and was unable to due to flow up tbg.<br>Tried flushing out float & surging pressure, No help. |

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**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 09:00 | 3.00 | 12:00 | SRIG | Rig Up/Down | Pumped 20 Bbls. of brine to remove kelly Valve and replace w/ TIW Valve for wireline work.<br>Wait on slick line,<br>RD Power Swivel. |
| 12:00 | 1.50 | 13:30 | WLWK | Wireline | MIRU Delsco Slickline unit. RIH w/ Pump thru Plug and set in the XN Nipple. RDMO delsco. |
| 13:30 | 3.00 | 16:30 | TRIP | Tripping | TOOH w/ Tbg. Top kill Csg. to get out and back in hole. |
| 16:30 | 13.50 | 06:00 | LOCL | Lock Wellhead & Secure | Secure well for the night<br>WSI. |

## 13-12-46 BTR 1/21/2012 06:00 - 1/22/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.00 | 07:00 | LOCL | Lock Wellhead & Secure | WSI. |
| 07:00 | 0.50 | 07:30 | SMTG | Safety Meeting | JSA Safety Meeting. |
| 07:30 | 2.00 | 09:30 | WKLL | Kill Well | Bull head 130 Bbls. of brine down csg.<br>Csg.-200# flowing.<br>Could not kill csg. to finish trip out of the hole. |
| 09:30 | 2.00 | 11:30 | TRIP | Tripping | Run tbg. back in the hole to drill out plugs. |
| 11:30 | 0.50 | 12:00 | SRIG | Rig Up/Down | RU Power swivel. |
| 12:00 | 5.00 | 17:00 | DOPG | Drill Out Plugs | Establish circulation w/ rig pump @ 1.5 Bbls./min.<br>Drill out Plugs as follows:<br>Plg. @ 6187', 10' of sand.<br>Csg.-250#<br>Plg. @ 6415', 15' of sand.<br>Csg.-250#<br><br>Circulate bottoms up, pumping 1.5 Bbls./min. & Returning 2-3 Bbls./min.<br>Recovered 130 Bbls. for bottoms up.<br><br>Slick line plug started leaking, had to stab TIW valve.<br>Will have to top kill Tbg. w/ Brine in the a.m. to remove TIW valve and replace w/ String float. |
| 17:00 | 1.00 | 18:00 | GOP | General Operations | Drain all fluid equip.<br>Tarp in well head.<br>Secure well<br>SDFN. |
| 18:00 | 12.00 | 06:00 | LOCL | Lock Wellhead & Secure | WSI. |

## 13-12-46 BTR 1/22/2012 06:00 - 1/23/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.00 | 07:00 | LOCL | Lock Wellhead & Secure | WSI. |
| 07:00 | 0.50 | 07:30 | SMTG | Safety Meeting | JSA Safety Meeting |
| 07:30 | 1.00 | 08:30 | WKLL | Kill Well | Top Kill Tbg. w/ Brine, Install String float, |

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**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 08:30 | 7.50 | 16:00 | DOPG | Drill Out Plugs | Make connections to next plug. Drill out to FC.<br>Drill out plugs as follows:<br>Plg.@ 6415, 30' of sand.<br>Csg.-600#<br>Plg. @ 6674', 40' of sand.<br>Csg.-650#<br>Plg.@ 6899', 40' of sand.<br>Csg.-600#<br>Plg. @ 7085', 40' of sand.<br>Csg.-600#<br>Plg. @ 7280', 35' of sand.<br>Csg.-550#<br>Plg. @ 7489', 45' of sand<br>Csg.-500#<br><br>Cleaned out to FC @ 8431', Circulated bottoms up. Increased pump rate to 2 Bbls./min., Increased Return rate to 3 Bbls./min.<br>Pump 1000 Bbls. for drill out.<br>Top kill Tbg. w/50 Bbls. of brine. |
| 16:00 | 0.50 | 16:30 | SRIG | Rig Up/Down | RD power swivel. |
| 16:30 | 1.00 | 17:30 | PULT | Pull Tubing | Lay down tbg. to landing depth, |
| 17:30 | 1.50 | 19:00 | WLWK | Wireline | MIRIU Slick line to pull Plug from XN Nipple, Out of the hole with plug Missing bottom cone off of plug. |
| 19:00 | 1.00 | 20:00 | GOP | General Operations | Drain up fluid equip., |
| 20:00 | 10.00 | 06:00 | LOCL | Lock Wellhead & Secure | WSI. SDFN. |

## 13-12-46 BTR 1/23/2012 06:00 - 1/24/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.00 | 07:00 | LOCL | Lock Wellhead & Secure | WSI |
| 07:00 | 0.50 | 07:30 | SMTG | Safety Meeting | JSA Safety Meeting |
| 07:30 | 2.00 | 09:30 | WLWK | Wireline | RIH w/ Barbed spear to fish bottom of string float. Recovered Collett, & Packing spacer rings, Latched into bottom Sub., had to shear off. unable to pull it |
| 09:30 | 1.50 | 11:00 | GOP | General Operations | Wash bowl w/ 5 Bbls.<br>Stage hanger thru BOP stack.<br>Land & Test.<br>Land Tbg. as follows:<br>Tubing<br>Des: Tubing - Production Set Depth (ftKB): 5,830.3 Run Date: 2012/01/22 18:00<br>Pull Date:<br>Tubing Components<br><br>Jts (ft) Item Des Top (ftKB) OD (in) Btm (ftKB) ID (in) Wt (lb/ft) Grade Len<br>1 Tubing Hanger 5 2.441 6.5 L-80 0.44<br>0 0.4<br>184 Tubing 2 7/8 2.441 6.5 L-80 5,763.42<br>0.4 5,763.90<br>1 X Profile Nipple 2 7/8 2.313 6.5 L-80 1.21 5,763.90<br>5,765.10<br>1 Tubing 2 7/8 2.441 6.5 L-80 31.5 5,765.10<br>5,796.60<br>1 XN Nipple 2 7/8 2.205 6.5 L-80 1.29 5,796.60<br>5,797.90<br>1 Tubing 2 7/8 2.441 6.5 L-80 31.51 5,797.90<br>5,829.40<br>1 Pump Off Bit Sub 3 1/8 2.441 6.5 0.95<br>5,829.40 5,830.30 |
| 11:00 | 0.50 | 11:30 | SRIG | Rig Up/Down | RD Tbg. equip. & work floor. |
| 11:30 | 0.50 | 12:00 | BOPR | Remove BOP's | ND BOP. |
| 12:00 | 2.50 | 14:30 | SRIG | Rig Up/Down | RDMO w/.o Rig.<br>RU on the 5-32D-36 BTR.. |
| 14:30 | 3.00 | 17:30 | WLWK | Wireline | MIRU Slick Line Cont. to fish Lower sub from Pump thru plug.<br>Have a good bite on fish, Jarred, had to shear off of tool, unable to pull w/ Slick line. |
| 17:30 | 3.00 | 20:30 | GOP | General Operations | Heated open top tanks, and bottomed all tanks. |
| 20:30 | 9.50 | 06:00 | LOCL | Lock Wellhead & Secure | WSI. SDFN. |

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## 13-12-46 BTR 1/24/2012 06:00 - 1/25/2012 06:00

| API/UWI | State/Province | County | Field Name | Well Status | Total Depth (ftKB) | Primary Job Type |
|---|---|---|---|---|---|---|
| 43-013-50469 | Utah | Duchesne | Black Tail Ridge | PRODUCING | 8,270.0 | Drilling & Completion |

**Time Log**

| Start Time | Dur (hr) | End Time | Code | Category | Com |
|---|---|---|---|---|---|
| 06:00 | 1.00 | 07:00 | LOCL | Lock Wellhead & Secure | WSI. |
| 07:00 | 0.50 | 07:30 | SMTG | Safety Meeting | JSA SafetyMeeting |
| 07:30 | 8.00 | 15:30 | WLWK | Wireline | PU X lock pump thru plug, attempt to RIH, couldn't get passed 18'. Flushed tbg. 45Bbls. w/ Rig pump.<br>RIH & Set in X Nipple, Bled off Tbg. ND TIW valve, NU Production Tree. RU Slick line<br>RIH & Pull Plug.<br>Made 1 more attempt at pulling fish w/Slick line. unsuccesful.<br>MIRU E-Line, Open Csg. to sales to bring Tbg. PSI. down.<br>RIH w/ Cutter, correlate to X nipple & made cut 15' below X nipple. New EOT @ 5780' (49.95; OF FISH ON BOTTOM FISH TOP @ 8104'.<br>Pull out of hole, RDMO E-Line.<br>Put well on Production. |
| 15:30 | 1.50 | 17:00 | SRIG | Rig Up/Down | RDMO Rig Pump.<br>Clean out Open top tanks w/Super sucker. |
| 17:00 | 13.00 | 06:00 | FBCK | Flowback Well | Well on Production. |

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

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 14-20-H62-6403

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ✓ DRILLING REPORT<br>Report Date:<br>2/1/2012 | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

No February 2012 monthly drilling activity to attach.

**Accepted by the**
**Utah Division of**
**Oil, Gas and Mining**
**FOR RECORD ONLY**
March 06, 2012

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** | | **DATE** |
| N/A | | 3/5/2012 |

RECEIVED: Mar. 05, 2012

Sundry Number: 26059 API Well Number: 43013504690000

**FEDERAL APPROVAL OF THIS ACTION IS NECESSARY**

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

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:**
14-20-H62-6403

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**
UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Oil Well

**8. WELL NAME and NUMBER:**
13-12-46 BTR

**2. NAME OF OPERATOR:**
BILL BARRETT CORP

**9. API NUMBER:**
43013504690000

**3. ADDRESS OF OPERATOR:**
1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:**
303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:**
ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:**
DUCHESNE

**STATE:**
UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>5/31/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ✓ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

BBC hereby requests permission to flare tribal lease wells in our Blacktail Ridge development area located in the Starvation area while El Paso upgrades their existing 6-inch pipeline to a 12-inch to handle current gas production rates. Current operating pressures are approximately 100 psi and the upgrade of the existing line will eliminate the current back pressure concerns such as reservoir damage, surface facility safety issues, production curtailment and lower wellbore recoveries. Additional details are attached.

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

**Date:** June 14, 2012

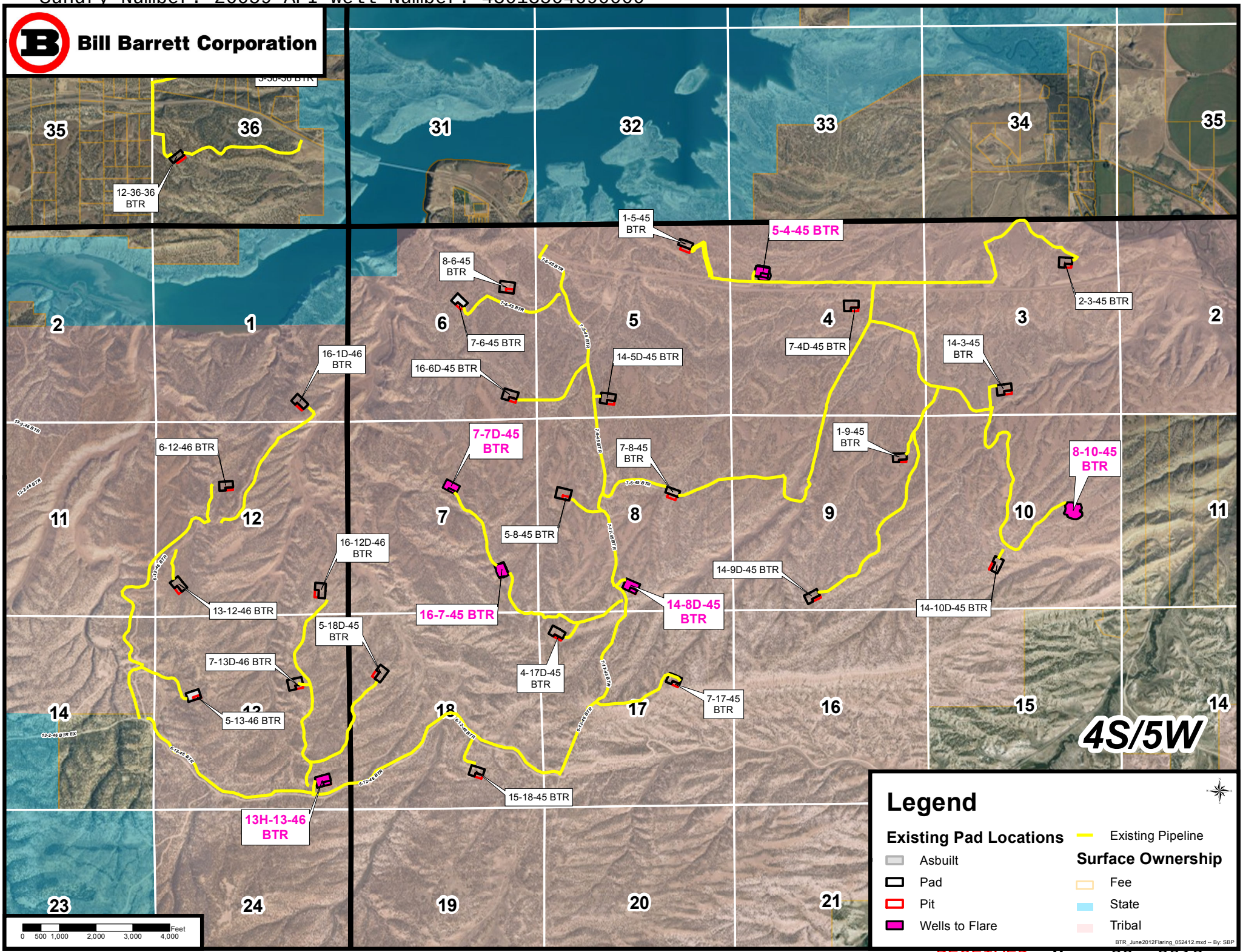
**By:** Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Venessa Langmacher | 303 312-8172 | Senior Permit Analyst |
| **SIGNATURE** | | **DATE** |
| N/A | | 5/29/2012 |

RECEIVED: May. 29, 2012

The gas will be flared at the six locations shown on the attached map (5-4-45, 7-7D-45, 8-10-45, 13H-13-46, 14-8D-45, or 16-7-45 wellsites). The flares utilized for combusting the gas have a combustion efficiency of approximately 98%. There are no other delivery points besides the bridge crossing at this point; therefore, associated gas from the oil wells will be flared to continue production of tribal minerals. BBC is requesting flare approval from May 31, 2012 to July 31, 2012 to allow for any potential construction delays. BBC would immediately begin flowing to the pipeline at such time construction is complete. Emergency Dispatch will be notified of the flaring operations. The flaring will also be monitored 24 hours a day by BBC personnel. BBC will still be metering the gas at the wellhead to continue royalty payments. BBC has spoken with the tribe and received their acceptance 05/24/2012 and received BLM sundry approval on 5/24/12.

RECEIVED: May. 29, 2012




RECEIVED: May. 29, 2012

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. 20G0005608

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No. 13-12-46 BTR

3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202

3a. Phone No. (include area code) Ph: 303-299-9949

9. API Well No. 43-013-50469

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWSW 855FSL 640FEL FWL

At top prod interval reported below SWSW 759FSL 461FEL

At total depth SWSW 732FSL ~~516FEL~~ 770 FWL BHL by HSM

10. Field and Pool, or Exploratory ALTAMONT

11. Sec., T., R., M., or Block and Survey or Area Sec 12 T4S R6W Mer UBM

12. County or Parish DUCHESNE

13. State UT

14. Date Spudded 09/27/2011

15. Date T.D. Reached 12/24/2011

16. Date Completed ☐ D & A ☒ Ready to Prod. 01/24/2012

17. Elevations (DF, KB, RT, GL)* 6276 GL

18. Total Depth: MD 8270 TVD 8259

19. Plug Back T.D.: MD 8155 TVD ~~8106~~ 8114

20. Depth Bridge Plug Set: MD TVD

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

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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|---|---|---|---|---|---|---|---|---|---|
| 26.000 | 16.000 COND | 65.0 | 0 | 102 | 102 | | | 0 | |
| 12.250 | 9.625 J-55 | 36.0 | 0 | 2169 | 1915 | 555 | 222 | 0 | |
| 8.750 | 5.500 P-10 | 17.0 | 0 | 8270 | 8245 | 1340 | 436 | 2102 | 15000 |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|---|---|---|---|---|---|---|---|---|
| 2.875 | 5830 | | | | | | | |

25. Producing Intervals / 26. Perforation Record

| | Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|---|
| A) | GREEN RIVER | 5885 | 6412 | 5885 TO 6412 | 0.440 | 78 | OPEN |
| B) | WASATCH | 6431 | 7990 | 6431 TO 7990 | 0.440 | 279 | OPEN |
| C) | | | | | | | |
| D) | | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 5885 TO 6412 | GREEN RIVER: SEE TREATMENT STAGES 8 - 9 |
| 6431 TO 7990 | WASATCH: SEE TREATMENT STAGES 1 - 7 |
| | |
| | |

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 |
|---|---|---|---|---|---|---|---|---|---|
| 01/24/2012 | 01/27/2012 | 24 | → | 434.0 | 342.0 | 1182.0 | 52.0 | | FLOWS FROM WELL |
| **Choke Size** | **Tbg. Press. Flwg. SI** | **Csg. Press.** | **24 Hr. Rate** | **Oil BBL** | **Gas MCF** | **Water BBL** | **Gas:Oil Ratio** | **Well Status** | |
| 26/64 | 536 | 1344.0 | → | 434 | 342 | 1182 | 788 | POW | |

28a. Production - Interval B

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

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

**ELECTRONIC SUBMISSION #131296 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 | 2048 |
| | | | | MAHOGANY | 2653 |
| | | | | DOUGLAS CREEK | 4855 |
| | | | | BLACK SHALE | 5710 |
| | | | | CASTLE PEAK | 5895 |
| | | | | UTELAND BUTTE | 6202 |
| | | | | WASATCH | 6424 |
| | | | | TD | 8270 |

32. Additional remarks (include plugging procedure):
TOC was calculated by CBL. First gas sales was on 1/24/2012. First oil sales was on 1/26/2012. Conductor was cemented with grout. Attached is Treatment Data.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

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

**Electronic Submission #131296 Verified by the BLM Well Information System.**
**For BILL BARRETT CORPORATION, sent to the Vernal**

Name *(please print)* MEGAN FINNEGAN Title PERMIT ANALYST

Signature (Electronic Submission) Date 02/21/2012

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

## 13-12-46 BTR Completion Report Continued*

| 44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.) | | | | |
|---|---|---|---|---|
| AMOUNT AND TYPE OF MATERIAL | | | | |
| *Stage* | *BBLS Slurry* | *lbs 20/40 White Sand* | *lbs 100 Mesh Sand* | *lbs CRC Sand* |
| 1 | 3,351 | | | 149,750 |
| 2 | 3,346 | | | 152,610 |
| 3 | 3,387 | 156,200 | | |
| 4 | 3,566 | 165,000 | | |
| 5 | 3,588 | 166,300 | | |
| 6 | 3,590 | 166,200 | | |
| 7 | 2,675 | 71,700 | | |
| 8 | 3,640 | 154,700 | 18,900 | |
| 9 | 3,715 | 149,600 | 20,460 | |

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

Bill Barrett Corporation

Bill Barrett Corp.
Project: Duchesne Co., UT (NAD27)
Site: Sec.12-T4S-R6W
Well: #13-12-46 BTR
Wellbore: Wellbore #1
Design: Design #1
Latitude: 40° 8' 32.798 N
Longitude: 110° 31' 4.541 W
Ground Level: 6274.00
WELL @ 6298.00usft

Sharewell Energy Services, LP

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DIV. OF OIL, GAS & MINING

**WELL DETAILS: #13-12-46 BTR**

| +N/-S | +E/-W | Northing | Ground Level: 6274.00 Easting | Latitude | Longitude | Slot |
|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 660437.795 | 2274545.572 | 40° 8' 32.798 N | 110° 31' 4.541 W | |

**WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)**

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|---|---|---|---|---|---|---|
| #13-12-46 BTR Tgt | 5223.00 | -43.86 | 169.62 | 40° 8' 32.365 N | 110° 31' 2.357 W | Rectangle (Sides: L200.00 W200.00) |

**SECTION DETAILS**

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2000.00 | 0.00 | 0.00 | 2000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 1.00° |
| 2348.84 | 3.49 | 104.50 | 2348.62 | -2.66 | 10.28 | 1.00 | 104.50 | 10.62 | Start 2530.45' hold at 2348.84 MD |
| 4879.28 | 3.49 | 104.50 | 4874.38 | -41.20 | 159.34 | 0.00 | 0.00 | 164.58 | Start Drop -1.00° |
| 5228.12 | 0.00 | 0.00 | 5223.00 | -43.86 | 169.62 | 1.00 | 180.00 | 175.20 | Start 3025.00' hold at 5228.12 MD |
| 8253.12 | 0.00 | 0.00 | 8248.00 | -43.86 | 169.62 | 0.00 | 0.00 | 175.20 | TD at 8253.12 |

**PROJECT DETAILS: Duchesne Co., UT (NAD27)**

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

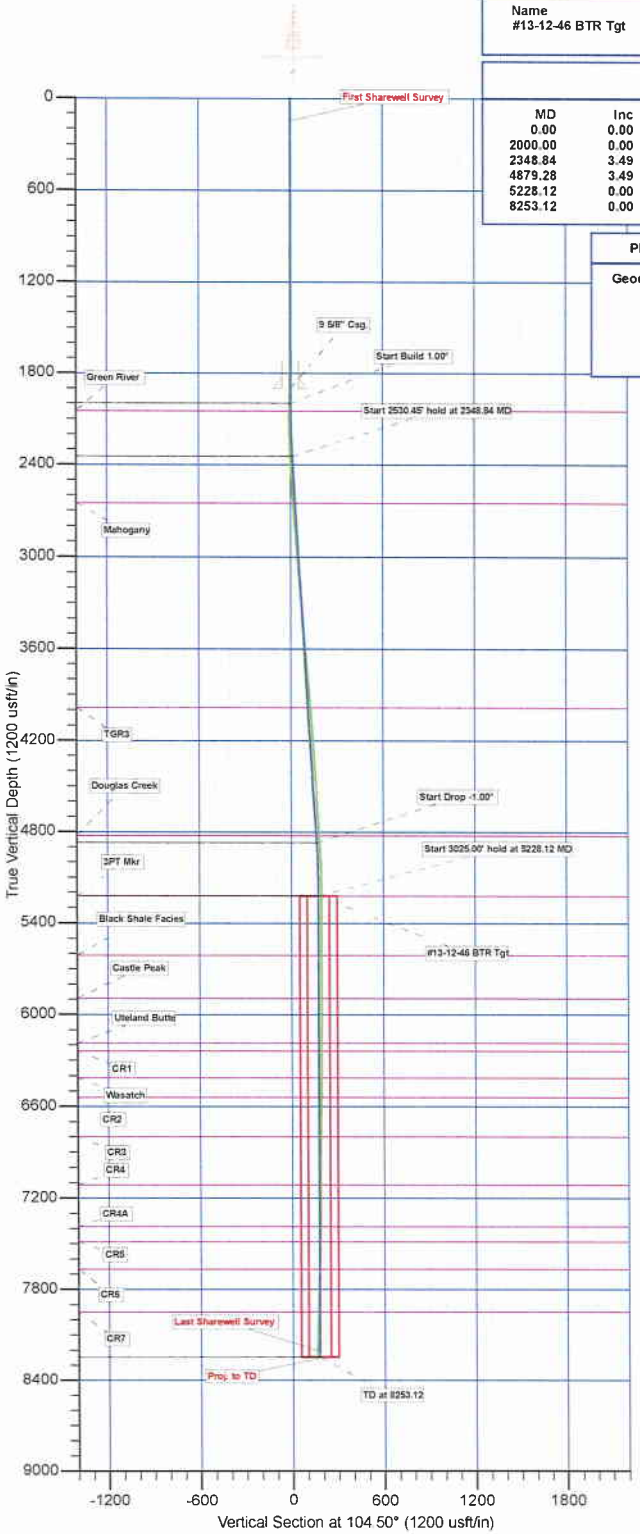
System Datum: Mean Sea Level

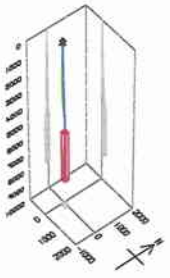
**REFERENCE INFORMATION**

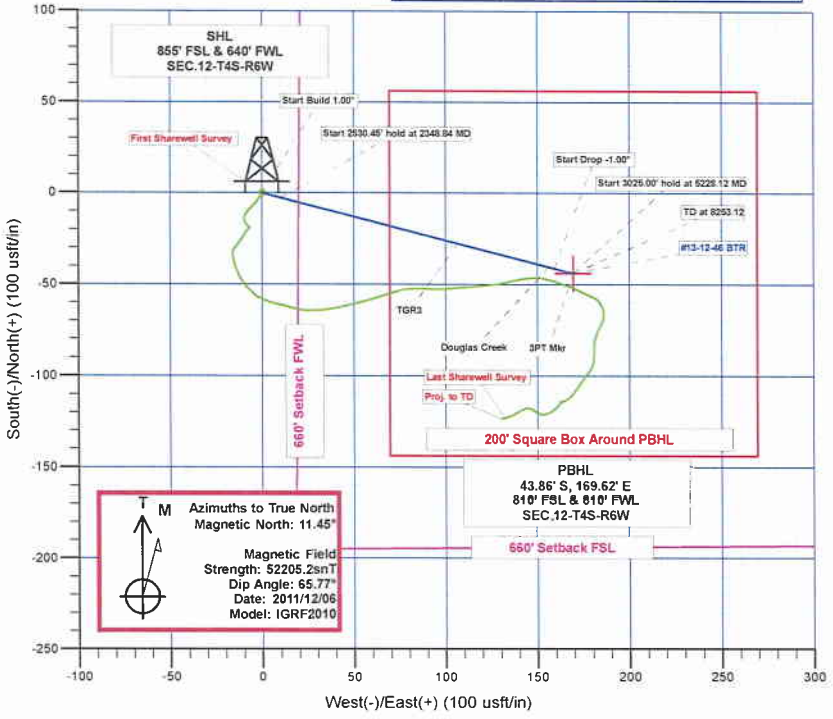
Co-ordinate (N/E) Reference: Well #13-12-46 BTR, True North
Vertical (TVD) Reference: WELL @ 6298.00usft
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 6298.00usft
Calculation Method: Minimum Curvature

**FORMATION TOP DETAILS**

| TVDPath | MDPath | Formation |
|---|---|---|
| 2048.00 | 2048.00 | Green River |
| 2653.00 | 2653.78 | Mahogany |
| 3983.00 | 3986.25 | TGR3 |
| 4823.00 | 4827.81 | Douglas Creek |
| 5223.00 | 5228.12 | 3PT Mkr |
| 5608.00 | 5613.12 | Black Shale Facies |
| 5893.00 | 5898.12 | Castle Peak |
| 6188.00 | 6193.12 | Uteland Butte |
| 6238.00 | 6243.12 | CR1 |
| 6413.00 | 6418.12 | Wasatch |
| 6538.00 | 6543.12 | CR2 |
| 6798.00 | 6803.12 | CR3 |
| 7113.00 | 7118.12 | CR4 |
| 7388.00 | 7393.12 | CR4A |
| 7488.00 | 7493.12 | CR5 |
| 7668.00 | 7673.12 | CR6 |
| 7948.00 | 7953.12 | CR7 |






**Plan: Design #1 (#13-12-46 BTR/Wellbore #1)**

Created By: BRET WOLFORD Date: 13:59, January 02 2012

Bill Barrett Corporation

# Bill Barrett Corp.

**Duchesne Co., UT (NAD27)**
**Sec.12-T4S-R6W**
**#13-12-46 BTR**

**Wellbore #1**

**Survey: Survey #1**

# Standard Survey Report

**02 January, 2012**

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Sharewell
Energy Services, LP

| | | | |
|---|---|---|---|
| **Company:** | Bill Barrett Corp. | **Local Co-ordinate Reference:** | Well #13-12-46 BTR |
| **Project:** | Duchesne Co., UT (NAD27) | **TVD Reference:** | WELL @ 6298.00usft |
| **Site:** | Sec.12-T4S-R6W | **MD Reference:** | WELL @ 6298.00usft |
| **Well:** | #13-12-46 BTR | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Wellbore #1 | **Database:** | EDM 5000.1 Single User Db |

| | | | |
|---|---|---|---|
| **Project** | Duchesne Co., UT (NAD27) | | |
| **Map System:** | US State Plane 1927 (Exact solution) | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | NAD 1927 (NADCON CONUS) | | |
| **Map Zone:** | Utah Central 4302 | | |

| | | | | | |
|---|---|---|---|---|---|
| **Site** | Sec.12-T4S-R6W | | | | |
| **Site Position:** | | **Northing:** | 660,437.800 usft | **Latitude:** | 40° 8' 32.798 N |
| **From:** | Lat/Long | **Easting:** | 2,274,545.572 usft | **Longitude:** | 110° 31' 4.541 W |
| **Position Uncertainty:** | 0.00 usft | **Slot Radius:** | 13-3/16" | **Grid Convergence:** | 0.63 ° |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well** | #13-12-46 BTR | | | | | |
| **Well Position** | **+N/-S** | 0.00 usft | **Northing:** | 660,437.795 usft | **Latitude:** | 40° 8' 32.798 N |
| | **+E/-W** | 0.00 usft | **Easting:** | 2,274,545.572 usft | **Longitude:** | 110° 31' 4.541 W |
| **Position Uncertainty** | | 0.00 usft | **Wellhead Elevation:** | usft | **Ground Level:** | 6,274.00 usft |

| | | | | | |
|---|---|---|---|---|---|
| **Wellbore** | Wellbore #1 | | | | |
| **Magnetics** | **Model Name** | **Sample Date** | **Declination (°)** | **Dip Angle (°)** | **Field Strength (nT)** |
| | IGRF2010 | 2011/12/06 | 11.45 | 65.77 | 52,205 |

| | | | | | |
|---|---|---|---|---|---|
| **Design** | Wellbore #1 | | | | |
| **Audit Notes:** | | | | | |
| **Version:** | 1.0 | **Phase:** | ACTUAL | **Tie On Depth:** | 0.00 |
| **Vertical Section:** | **Depth From (TVD) (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Direction (°)** | |
| | 0.00 | 0.00 | 0.00 | 104.50 | |

**Survey Program** **Date** 2012/01/02

| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
|---|---|---|---|---|
| 150.00 | 8,270.00 | Survey #1 (Wellbore #1) | MWD | MWD - Standard |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **First Sharewell Survey** | | | | | | | | | |
| 150.00 | 0.40 | 175.50 | 150.00 | -0.52 | 0.04 | 0.17 | 0.27 | 0.27 | 0.00 |
| 211.00 | 0.10 | 257.10 | 211.00 | -0.75 | 0.01 | 0.19 | 0.65 | -0.49 | 133.77 |
| 303.00 | 0.40 | 236.60 | 303.00 | -0.94 | -0.34 | -0.09 | 0.34 | 0.33 | -22.28 |
| 394.00 | 1.10 | 217.20 | 393.99 | -1.81 | -1.13 | -0.64 | 0.81 | 0.77 | -21.32 |
| 485.00 | 1.10 | 213.40 | 484.97 | -3.24 | -2.14 | -1.26 | 0.08 | 0.00 | -4.18 |
| 581.00 | 1.00 | 211.90 | 580.96 | -4.72 | -3.09 | -1.81 | 0.11 | -0.10 | -1.56 |
| 673.00 | 1.10 | 228.10 | 672.94 | -5.99 | -4.17 | -2.54 | 0.34 | 0.11 | 17.61 |
| 764.00 | 1.10 | 223.40 | 763.92 | -7.21 | -5.42 | -3.45 | 0.10 | 0.00 | -5.16 |
| 855.00 | 1.30 | 216.40 | 854.90 | -8.67 | -6.64 | -4.25 | 0.27 | 0.22 | -7.69 |
| 950.00 | 1.80 | 223.50 | 949.87 | -10.62 | -8.30 | -5.38 | 0.56 | 0.53 | 7.47 |
| 1,043.00 | 1.70 | 193.10 | 1,042.83 | -13.02 | -9.62 | -6.05 | 0.99 | -0.11 | -32.69 |

| | | | |
|---|---|---|---|
| **Company:** | Bill Barrett Corp. | **Local Co-ordinate Reference:** | Well #13-12-46 BTR |
| **Project:** | Duchesne Co., UT (NAD27) | **TVD Reference:** | WELL @ 6298.00usft |
| **Site:** | Sec.12-T4S-R6W | **MD Reference:** | WELL @ 6298.00usft |
| **Well:** | #13-12-46 BTR | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Wellbore #1 | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 1,138.00 | 1.10 | 165.00 | 1,137.80 | -15.28 | -9.71 | -5.57 | 0.94 | -0.63 | -29.58 |
| 1,233.00 | 1.10 | 142.70 | 1,232.78 | -16.88 | -8.92 | -4.41 | 0.45 | 0.00 | -23.47 |
| 1,327.00 | 0.70 | 129.80 | 1,326.77 | -17.97 | -7.93 | -3.18 | 0.47 | -0.43 | -13.72 |
| 1,422.00 | 0.70 | 130.50 | 1,421.76 | -18.72 | -7.04 | -2.13 | 0.01 | 0.00 | 0.74 |
| 1,516.00 | 0.10 | 57.20 | 1,515.76 | -19.05 | -6.54 | -1.56 | 0.72 | -0.64 | -77.98 |
| 1,610.00 | 0.30 | 256.10 | 1,609.76 | -19.06 | -6.71 | -1.72 | 0.42 | 0.21 | -171.38 |
| 1,705.00 | 1.20 | 227.70 | 1,704.75 | -19.79 | -7.68 | -2.48 | 1.00 | 0.95 | -29.89 |
| 1,800.00 | 1.90 | 210.40 | 1,799.72 | -21.82 | -9.22 | -3.46 | 0.88 | 0.74 | -18.21 |
| 1,854.00 | 2.30 | 208.10 | 1,853.68 | -23.55 | -10.18 | -3.96 | 0.76 | 0.74 | -4.26 |
| 1,924.00 | 2.70 | 216.80 | 1,923.61 | -26.11 | -11.83 | -4.92 | 0.79 | 0.57 | 12.43 |
| 2,019.00 | 3.10 | 219.40 | 2,018.49 | -29.88 | -14.80 | -6.85 | 0.44 | 0.42 | 2.74 |
| 2,114.00 | 1.00 | 165.00 | 2,113.43 | -32.67 | -16.22 | -7.52 | 2.79 | -2.21 | -57.26 |
| 2,209.00 | 2.00 | 175.10 | 2,208.40 | -35.12 | -15.86 | -6.56 | 1.08 | 1.05 | 10.63 |
| 2,304.00 | 3.70 | 163.20 | 2,303.28 | -39.71 | -14.83 | -4.42 | 1.89 | 1.79 | -12.53 |
| 2,399.00 | 4.10 | 154.20 | 2,398.06 | -45.70 | -12.47 | -0.63 | 0.77 | 0.42 | -9.47 |
| 2,494.00 | 4.20 | 140.40 | 2,492.81 | -51.44 | -8.77 | 4.38 | 1.05 | 0.11 | -14.53 |
| 2,589.00 | 5.20 | 126.70 | 2,587.50 | -56.69 | -3.10 | 11.19 | 1.58 | 1.05 | -14.42 |
| 2,684.00 | 5.10 | 102.20 | 2,682.12 | -60.16 | 4.48 | 19.39 | 2.30 | -0.11 | -25.79 |
| 2,778.00 | 3.70 | 102.70 | 2,775.84 | -61.71 | 11.52 | 26.60 | 1.49 | -1.49 | 0.53 |
| 2,873.00 | 4.00 | 108.20 | 2,870.63 | -63.42 | 17.66 | 32.97 | 0.50 | 0.32 | 5.79 |
| 2,968.00 | 5.70 | 90.20 | 2,965.29 | -64.47 | 25.52 | 40.85 | 2.38 | 1.79 | -18.95 |
| 3,063.00 | 4.20 | 84.80 | 3,059.94 | -64.17 | 33.71 | 48.70 | 1.65 | -1.58 | -5.68 |
| 3,157.00 | 4.80 | 77.10 | 3,153.65 | -62.98 | 40.97 | 55.43 | 0.90 | 0.64 | -8.19 |
| 3,252.00 | 6.40 | 77.00 | 3,248.19 | -60.90 | 50.00 | 63.66 | 1.68 | 1.68 | -0.11 |
| 3,347.00 | 5.70 | 72.60 | 3,342.66 | -58.30 | 59.66 | 72.36 | 0.88 | -0.74 | -4.63 |
| 3,442.00 | 6.10 | 70.20 | 3,437.16 | -55.18 | 68.92 | 80.53 | 0.49 | 0.42 | -2.53 |
| 3,536.00 | 4.50 | 76.60 | 3,530.75 | -52.63 | 77.20 | 87.92 | 1.81 | -1.70 | 6.81 |
| 3,630.00 | 6.00 | 95.70 | 3,624.36 | -52.26 | 85.68 | 96.03 | 2.43 | 1.60 | 20.32 |
| 3,725.00 | 5.50 | 88.70 | 3,718.89 | -52.65 | 95.17 | 105.32 | 0.91 | -0.53 | -7.37 |
| 3,820.00 | 5.10 | 86.10 | 3,813.48 | -52.26 | 103.94 | 113.71 | 0.49 | -0.42 | -2.74 |
| 3,915.00 | 5.60 | 83.80 | 3,908.07 | -51.48 | 112.76 | 122.05 | 0.57 | 0.53 | -2.42 |
| 4,009.00 | 4.20 | 88.40 | 4,001.72 | -50.88 | 120.76 | 129.65 | 1.55 | -1.49 | 4.89 |
| 4,104.00 | 4.70 | 78.40 | 4,096.43 | -50.00 | 128.05 | 136.49 | 0.97 | 0.53 | -10.53 |
| 4,199.00 | 4.90 | 75.80 | 4,191.10 | -48.23 | 135.79 | 143.54 | 0.31 | 0.21 | -2.74 |
| 4,294.00 | 3.90 | 83.60 | 4,285.82 | -46.87 | 142.94 | 150.12 | 1.22 | -1.05 | 8.21 |
| 4,389.00 | 3.30 | 87.40 | 4,380.63 | -46.39 | 148.88 | 155.75 | 0.68 | -0.63 | 4.00 |
| 4,484.00 | 3.60 | 104.20 | 4,475.46 | -46.99 | 154.50 | 161.35 | 1.11 | 0.32 | 17.68 |
| 4,579.00 | 3.20 | 108.50 | 4,570.30 | -48.57 | 159.91 | 166.97 | 0.50 | -0.42 | 4.53 |
| 4,674.00 | 3.40 | 106.90 | 4,665.14 | -50.23 | 165.12 | 172.43 | 0.23 | 0.21 | -1.68 |
| 4,768.00 | 3.00 | 115.40 | 4,758.99 | -52.09 | 170.01 | 177.63 | 0.66 | -0.43 | 9.04 |
| 4,863.00 | 3.30 | 117.70 | 4,853.85 | -54.43 | 174.67 | 182.74 | 0.34 | 0.32 | 2.42 |
| 4,958.00 | 3.50 | 112.60 | 4,948.68 | -56.82 | 179.77 | 188.27 | 0.38 | 0.21 | -5.37 |
| 5,053.00 | 2.50 | 141.20 | 5,043.56 | -59.54 | 183.75 | 192.80 | 1.86 | -1.05 | 30.11 |
| 5,148.00 | 2.40 | 163.90 | 5,138.47 | -63.07 | 185.60 | 195.48 | 1.02 | -0.11 | 23.89 |
| 5,243.00 | 2.60 | 181.30 | 5,233.38 | -67.14 | 186.10 | 196.98 | 0.82 | 0.21 | 18.32 |
| 5,337.00 | 2.80 | 206.60 | 5,327.28 | -71.32 | 185.02 | 196.99 | 1.27 | 0.21 | 26.91 |
| 5,432.00 | 3.50 | 207.70 | 5,422.14 | -75.96 | 182.64 | 195.84 | 0.74 | 0.74 | 1.16 |
| 5,527.00 | 2.60 | 190.10 | 5,517.00 | -80.65 | 180.91 | 195.34 | 1.36 | -0.95 | -18.53 |
| 5,717.00 | 2.40 | 172.50 | 5,706.83 | -88.84 | 180.67 | 197.16 | 0.42 | -0.11 | -9.26 |
| 5,812.00 | 2.40 | 196.20 | 5,801.74 | -92.72 | 180.38 | 197.85 | 1.04 | 0.00 | 24.95 |
| 5,901.00 | 1.70 | 207.00 | 5,890.69 | -95.69 | 179.26 | 197.51 | 0.89 | -0.79 | 12.13 |
| 6,002.00 | 1.00 | 228.80 | 5,991.66 | -97.60 | 177.92 | 196.69 | 0.85 | -0.69 | 21.58 |
| 6,096.00 | 1.50 | 211.00 | 6,085.64 | -99.20 | 176.67 | 195.87 | 0.67 | 0.53 | -18.94 |
| 6,191.00 | 0.80 | 209.90 | 6,180.62 | -100.84 | 175.69 | 195.34 | 0.74 | -0.74 | -1.16 |

| | | | |
|---|---|---|---|
| **Company:** | Bill Barrett Corp. | **Local Co-ordinate Reference:** | Well #13-12-46 BTR |
| **Project:** | Duchesne Co., UT (NAD27) | **TVD Reference:** | WELL @ 6298.00usft |
| **Site:** | Sec.12-T4S-R6W | **MD Reference:** | WELL @ 6298.00usft |
| **Well:** | #13-12-46 BTR | **North Reference:** | True |
| **Wellbore:** | Wellbore #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | Wellbore #1 | **Database:** | EDM 5000.1 Single User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 6,286.00 | 1.60 | 216.90 | 6,275.60 | -102.47 | 174.57 | 194.66 | 0.85 | 0.84 | 7.37 |
| 6,381.00 | 2.30 | 216.50 | 6,370.54 | -105.07 | 172.64 | 193.44 | 0.74 | 0.74 | -0.42 |
| 6,476.00 | 2.60 | 213.50 | 6,465.45 | -108.40 | 170.31 | 192.03 | 0.34 | 0.32 | -3.16 |
| 6,565.00 | 1.80 | 224.40 | 6,554.39 | -111.08 | 168.22 | 190.67 | 1.01 | -0.90 | 12.25 |
| 6,659.00 | 1.80 | 244.00 | 6,648.34 | -112.78 | 165.86 | 188.81 | 0.65 | 0.00 | 20.85 |
| 6,745.00 | 1.30 | 232.90 | 6,734.31 | -113.96 | 163.87 | 187.18 | 0.68 | -0.58 | -12.91 |
| 6,839.00 | 0.60 | 280.30 | 6,828.30 | -114.52 | 162.54 | 186.03 | 1.06 | -0.74 | 50.43 |
| 6,944.00 | 0.60 | 8.60 | 6,933.29 | -113.87 | 162.08 | 185.42 | 0.80 | 0.00 | 84.10 |
| 7,039.00 | 0.70 | 159.50 | 7,028.29 | -113.93 | 162.35 | 185.71 | 1.32 | 0.11 | 158.84 |
| 7,134.00 | 0.80 | 214.40 | 7,123.28 | -115.02 | 162.18 | 185.81 | 0.73 | 0.11 | 57.79 |
| 7,229.00 | 1.40 | 222.70 | 7,218.27 | -116.42 | 161.02 | 185.04 | 0.65 | 0.63 | 8.74 |
| 7,324.00 | 1.40 | 231.80 | 7,313.24 | -117.99 | 159.32 | 183.79 | 0.23 | 0.00 | 9.58 |
| 7,419.00 | 1.30 | 235.30 | 7,408.21 | -119.32 | 157.52 | 182.38 | 0.14 | -0.11 | 3.68 |
| 7,514.00 | 1.70 | 241.80 | 7,503.18 | -120.60 | 155.40 | 180.64 | 0.46 | 0.42 | 6.84 |
| 7,608.00 | 1.80 | 271.10 | 7,597.14 | -121.23 | 152.69 | 178.18 | 0.95 | 0.11 | 31.17 |
| 7,703.00 | 2.30 | 308.90 | 7,692.08 | -120.00 | 149.72 | 174.99 | 1.48 | 0.53 | 39.79 |
| 7,798.00 | 2.10 | 300.50 | 7,787.01 | -117.92 | 146.73 | 171.58 | 0.40 | -0.21 | -8.84 |
| 7,893.00 | 2.10 | 252.70 | 7,881.95 | -117.56 | 143.57 | 168.43 | 1.79 | 0.00 | -50.32 |
| 7,987.00 | 2.50 | 237.80 | 7,975.88 | -119.16 | 140.19 | 165.56 | 0.76 | 0.43 | -15.85 |
| 8,082.00 | 2.10 | 236.40 | 8,070.80 | -121.23 | 136.99 | 162.98 | 0.43 | -0.42 | -1.47 |
| 8,177.00 | 2.20 | 257.80 | 8,165.74 | -122.58 | 133.76 | 160.18 | 0.85 | 0.11 | 22.53 |
| **Last Sharewell Survey** | | | | | | | | | |
| 8,214.00 | 2.20 | 257.80 | 8,202.71 | -122.88 | 132.37 | 158.92 | 0.00 | 0.00 | 0.00 |
| **Proj. to TD** | | | | | | | | | |
| 8,270.00 | 2.20 | 257.80 | 8,258.67 | -123.33 | 130.27 | 156.99 | 0.00 | 0.00 | 0.00 |

**Survey Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 150.00 | 150.00 | -0.52 | 0.04 | First Sharewell Survey |
| 8,214.00 | 8,202.71 | -122.88 | 132.37 | Last Sharewell Survey |
| 8,270.00 | 8,258.67 | -123.33 | 130.27 | Proj. to TD |

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 70961 API Well Number: 43013504690000

**FEDERAL APPROVAL OF THIS ACTION IS NECESSARY**

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** 14-20-H62-6403

## SUNDRY NOTICES AND REPORTS ON WELLS

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Oil Well

**8. WELL NAME and NUMBER:** 13-12-46 BTR

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43013504690000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8134 Ext

**9. FIELD and POOL or WILDCAT:** ALTAMONT

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0855 FSL 0640 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 12 Township: 04.0S Range: 06.0W Meridian: U

**COUNTY:** DUCHESNE

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>5/30/2017 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ✓ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

Well was SI on 5/31/15 with a hole in tbg. Due to low commodity prices and high failure rates the well has been left SI. On 5/30/16 well will be SI for 1 year. Current economics don't justify the WO required to RTP. For this reason BBC is requesting an addt'l 1 year SI before a MIT is required, until 5/30/17. Well currently has 900 psi tbg, 907 psi csg, 0 psi Braden Head. With minimal to zero Braden Head pressure & 907 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 6400ft from surface with TOC at 2150ft. Well is shut in 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 are justified at higher commodity price before 5/30/17.

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

**Date:** May 04, 2016

**By:** Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 4/7/2016 |

RECEIVED: Apr. 07, 2016

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

Effective Date: 11/1/2016

| FORMER OPERATOR: | NEW OPERATOR: |
|---|---|
| Bill Barrett Corporation<br>1099 18th Street, Suite 2300<br>Denver, CO 80202 | Rig II, LLC<br>1582 West 2600 South<br>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:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

| Well Name | Sec | TWN | RNG | API Number | Entity | Mineral | Surface | Type | Status |
|---|---|---|---|---|---|---|---|---|---|
| SWD 9-36 BTR | 9 | 030S | 060W | 4301350646 | 18077 | Indian | Fee | WD | A |
| 16-6D-46 BTR SWD | 6 | 040S | 060W | 4301350781 | 18327 | Indian | Fee | WD | A |
| 6-32-36 BTR SWD | 32 | 030S | 060W | 4301350921 | 18329 | Indian | Fee | WD | A |
| LC TRIBAL 8-26D-47 | 26 | 040S | 070W | 4301334024 | | Indian | Indian | OW | APD |
| 16-21D-37 BTR | 21 | 030S | 070W | 4301350758 | | Indian | Fee | OW | APD |
| 14-11D-37 BTR | 11 | 030S | 070W | 4301350862 | | Indian | Fee | OW | APD |
| 7-17D-46 BTR | 17 | 040S | 060W | 4301350883 | | Indian | Indian | OW | APD |
| 14-12D-37 BTR | 12 | 030S | 070W | 4301350894 | | Indian | Fee | OW | APD |
| 1-18D-36 BTR | 18 | 030S | 060W | 4301350922 | | Indian | Fee | OW | APD |
| 13-2D-45 BTR | 2 | 040S | 050W | 4301350931 | | Indian | Indian | OW | APD |
| 5H-16-46 BTR | 16 | 040S | 060W | 4301350992 | | Indian | Indian | OW | APD |
| 9H-17-45 BTR | 17 | 040S | 050W | 4301351098 | | Indian | Indian | OW | APD |
| 13H-8-46 BTR UB | 8 | 040S | 060W | 4301351124 | | Indian | Indian | OW | APD |
| 8H-9-46 BTR | 9 | 040S | 060W | 4301351140 | | Indian | Indian | OW | APD |
| LC TRIBAL 7-31D-37 | 31 | 030S | 070W | 4301351147 | | Indian | Fee | OW | APD |
| 14-16D-45 BTR | 16 | 040S | 050W | 4301351178 | | Indian | Indian | OW | APD |
| 16-19D-37 BTR | 19 | 030S | 070W | 4301351179 | | Indian | Fee | OW | APD |
| 6-2D-45 BTR | 2 | 040S | 050W | 4301351234 | | Indian | Indian | OW | APD |
| 2-2D-45 BTR | 2 | 040S | 050W | 4301351235 | | Indian | Indian | OW | APD |
| 10-26-35 BTR | 26 | 030S | 050W | 4301351248 | | Indian | Fee | OW | APD |
| LC TRIBAL 1H-33-46 | 33 | 040S | 060W | 4301351257 | | Indian | Fee | OW | APD |
| LC TRIBAL 9-25D-46 | 25 | 040S | 060W | 4301351276 | | Indian | Indian | OW | APD |
| LC TRIBAL 8H-30-45 | 30 | 040S | 050W | 4301351277 | | Indian | Indian | OW | APD |
| LC TRIBAL 16H-30-45 | 30 | 040S | 050W | 4301351279 | | Indian | Indian | OW | APD |
| LC TRIBAL 13-30D-45 | 30 | 040S | 050W | 4301351282 | | Indian | Indian | OW | APD |
| LC TRIBAL 16H-36-46 | 36 | 040S | 060W | 4301351291 | | Indian | Indian | OW | APD |
| LC TRIBAL 13H-30-46 | 30 | 040S | 060W | 4301351321 | | Indian | Indian | OW | APD |
| LC TRIBAL 13H-31-46 | 31 | 040S | 060W | 4301351326 | | Indian | Indian | OW | APD |
| LC TRIBAL 16-31D-46 | 31 | 040S | 060W | 4301351328 | | Indian | Indian | OW | APD |
| LC TRIBAL 5H-26-47 | 26 | 040S | 070W | 4301351337 | | Indian | Indian | OW | APD |
| LC TRIBAL 5H-19-45 | 20 | 040S | 050W | 4301351349 | | Indian | Indian | OW | APD |
| LC TRIBAL 16-36D-47 | 36 | 040S | 070W | 4301351363 | | Indian | Indian | OW | APD |
| 15-4D-47 BTR | 4 | 040S | 070W | 4301351377 | | Indian | Fee | OW | APD |
| 16-23D-46 LC TRIBAL | 23 | 040S | 060W | 4301351396 | | Indian | Fee | OW | APD |
| 15-2D-36 BTR | 2 | 030S | 060W | 4301351419 | | Indian | Fee | OW | APD |
| 16-23D-37 BTR | 23 | 030S | 070W | 4301351420 | | Indian | Fee | OW | APD |
| 11-9D-47 BTR | 9 | 040S | 070W | 4301351422 | | Indian | Fee | OW | APD |
| 15-13D-47 BTR | 13 | 040S | 070W | 4301351424 | | Indian | Indian | OW | APD |
| LC TRIBAL 15-19D-46 | 19 | 040S | 060W | 4301351426 | | Indian | Indian | OW | APD |
| 16-13D-45 BTR | 13 | 040S | 050W | 4301351428 | | Indian | Indian | OW | APD |

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|---|---|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|---|---|
| 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 |

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4-17D-45 BTR | 17 | 040S | 050W | 4301350687 | 18517 | Indian | Indian | OW | P |
| 5-6D-45 BTR | 6 | 040S | 050W | 4301350688 | 18726 | Indian | Indian | OW | P |
| 7-7D-45 BTR | 7 | 040S | 050W | 4301350689 | 18380 | Indian | Indian | OW | P |
| 14-10D-45 BTR | 10 | 040S | 050W | 4301350754 | 18447 | Indian | Indian | OW | P |
| 14-9D-45 BTR | 9 | 040S | 050W | 4301350755 | 18379 | Indian | Indian | OW | P |
| 13-16D-36 BTR | 16 | 030S | 060W | 4301350757 | 18206 | Indian | State | OW | P |
| 5-9D-36 BTR | 9 | 030S | 060W | 4301350843 | 18381 | Indian | Fee | OW | P |
| 16-5D-46 BTR | 5 | 040S | 060W | 4301350844 | 18280 | Fee | Fee | OW | P |
| 5-27D-37 BTR | 27 | 030S | 070W | 4301350847 | 18526 | Indian | Fee | OW | P |
| 7-4D-45 BTR | 4 | 040S | 050W | 4301350884 | 18562 | Indian | Indian | OW | P |
| 2-16D-45 BTR | 16 | 040S | 050W | 4301350899 | 18619 | Indian | Indian | OW | P |
| 16-10D-45 BTR | 10 | 040S | 050W | 4301350902 | 18725 | Indian | Indian | OW | P |
| 5-2D-36 BTR | 2 | 030S | 060W | 4301350913 | 18886 | Indian | Fee | OW | P |
| 13H-27-36 BTR | 27 | 030S | 060W | 4301350918 | 18445 | Indian | State | OW | P |
| 8-16D-46 BTR | 16 | 040S | 060W | 4301350953 | 19027 | Indian | Indian | OW | P |
| 16-16D-46 BTR | 16 | 040S | 060W | 4301350956 | 19028 | Indian | Indian | OW | P |
| 16-9D-45 BTR | 9 | 040S | 050W | 4301350962 | 18662 | Indian | Indian | OW | P |
| 14-31D-36 BTR | 31 | 030S | 060W | 4301350973 | 18524 | Indian | Fee | OW | P |
| 5-10D-36 BTR | 10 | 030S | 060W | 4301350978 | 18989 | Indian | Fee | OW | P |
| 1-32D-36 BTR | 32 | 030S | 060W | 4301350979 | 18648 | Indian | Fee | OW | P |
| 16-12D-36 BTR | 12 | 030S | 060W | 4301350980 | 18748 | Indian | Fee | OW | P |
| 2-18D-45 BTR | 18 | 040S | 050W | 4301350991 | 18776 | Indian | Indian | OW | P |
| 3-1-46 BTR | 1 | 040S | 060W | 4301351017 | 18777 | Indian | Fee | OW | P |
| 10-5-45 BTR | 5 | 040S | 050W | 4301351062 | 18724 | Indian | Indian | OW | P |
| 12-4D-45 BTR | 4 | 040S | 050W | 4301351063 | 18813 | Indian | Indian | OW | P |
| 1-10D-45 BTR | 10 | 040S | 050W | 4301351064 | 18966 | Indian | Indian | OW | P |
| 16-2D-46 BTR | 2 | 040S | 060W | 4301351079 | 18830 | Indian | Indian | OW | P |
| 9H-4-45 BTR | 4 | 040S | 050W | 4301351092 | 18814 | Indian | Indian | OW | P |
| 12-17-45 BTR | 17 | 040S | 050W | 4301351097 | 18984 | Indian | Indian | OW | P |
| 5-9D-46 BTR | 9 | 040S | 060W | 4301351109 | 19313 | Indian | Fee | OW | P |
| 14-9D-36 BTR | 9 | 030S | 060W | 4301351144 | 19004 | Indian | Fee | OW | P |
| 5-31D-36 BTR | 31 | 030S | 060W | 4301351146 | 18691 | Indian | Fee | OW | P |
| 4-9D-45 BTR | 9 | 040S | 050W | 4301351157 | 18883 | Indian | Indian | OW | P |
| 8-12D-46 BTR | 12 | 040S | 060W | 4301351159 | 18911 | Indian | Indian | OW | P |
| LC TRIBAL 16-23D-47 | 23 | 040S | 070W | 4301351180 | 18617 | Indian | Indian | OW | P |
| 14-7D-45 BTR | 7 | 040S | 050W | 4301351222 | 18949 | Indian | Indian | OW | P |
| 5-16D-45 BTR | 16 | 040S | 050W | 4301351223 | 18987 | Indian | Indian | OW | P |
| 4-5D-45 BTR | 5 | 040S | 050W | 4301351242 | 18882 | Indian | Indian | OW | P |
| LC TRIBAL 16H-19-45 | 19 | 040S | 050W | 4301351278 | 18627 | Indian | Indian | OW | P |
| LC TRIBAL 13-19D-45 | 19 | 040S | 050W | 4301351280 | 18628 | Indian | Indian | OW | P |
| LC TRIBAL 5-30D-45 | 30 | 040S | 050W | 4301351281 | 19448 | Indian | Indian | OW | P |

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LC TRIBAL 15-24D-46 | 24 | 040S | 060W | 4301351283 | 18626 | Indian | Indian | OW | P |
| LC TRIBAL 13H-24-46 | 19 | 040S | 050W | 4301351289 | 18629 | Indian | Indian | OW | P |
| 7-16-47 BTR | 16 | 040S | 070W | 4301351296 | 18950 | Indian | Fee | OW | P |
| 14-18D-45 BTR | 18 | 040S | 050W | 4301351313 | 19005 | Indian | Indian | OW | P |
| LC TRIBAL 16-30D-46 | 30 | 040S | 060W | 4301351320 | 19006 | Indian | Indian | OW | P |
| LC TRIBAL 5-20D-45 | 20 | 040S | 050W | 4301351331 | 19449 | Indian | Indian | OW | P |
| 11-8D-46 BTR | 8 | 040S | 060W | 4301351336 | 19314 | Indian | Indian | OW | P |
| 5-7D-45 BTR | 7 | 040S | 050W | 4301351350 | 18951 | Indian | Indian | OW | P |
| 7-5-35 BTR | 5 | 030S | 050W | 4301351599 | 19078 | Indian | Fee | OW | P |
| 13-5D-35 BTR | 5 | 030S | 050W | 4301351600 | 18996 | Indian | Fee | OW | P |
| 11-5D-35 BTR | 5 | 030S | 050W | 4301351601 | 19061 | Fee | Fee | OW | P |
| 15-5D-35 BTR | 5 | 030S | 050W | 4301351602 | 19062 | Fee | Fee | OW | P |
| 9-5D-35 BTR | 5 | 030S | 050W | 4301351609 | 19029 | Indian | Fee | OW | P |
| 3-5D-35 BTR | 5 | 030S | 050W | 4301351638 | 19079 | Indian | Fee | OW | P |
| 7-8-46 BTR | 8 | 040S | 060W | 4301351702 | 19315 | Indian | Indian | OW | P |
| 7-30-46 DLB | 30 | 040S | 060W | 4301351703 | 18997 | Fee | Indian | OW | P |
| 3-13D-46 BTR | 13 | 040S | 060W | 4301351718 | 18881 | Indian | Indian | OW | P |
| 2-13D-46 BTR | 13 | 040S | 060W | 4301351719 | 18885 | Indian | Indian | OW | P |
| 12-12D-46 BTR | 12 | 040S | 060W | 4301351720 | 18867 | Indian | Indian | OW | P |
| 10-12D-46 BTR | 12 | 040S | 060W | 4301351721 | 18856 | Indian | Indian | OW | P |
| 11-11D-47 BTR | 11 | 040S | 070W | 4301352091 | 19633 | Fee | Fee | OW | P |
| 7-12D-47 BTR | 12 | 040S | 070W | 4301352094 | 19600 | Indian | Fee | OW | P |
| 5-12D-47 BTR | 12 | 040S | 070W | 4301352095 | 19634 | Indian | Fee | OW | P |
| 14-33D-35 BTR | 33 | 030S | 050W | 4301352162 | 19450 | Indian | Fee | OW | P |
| 16-33D-35 BTR | 33 | 030S | 050W | 4301352163 | 19451 | Indian | Fee | OW | P |
| 14-22-46 DLB | 22 | 040S | 060W | 4301333660 | 17604 | Indian | Indian | D | PA |
| 13H-31-36 BTR | 31 | 030S | 060W | 4301350465 | 18485 | Indian | Fee | OW | PA |
| 16X-23D-36 BTR | 23 | 030S | 060W | 4301350623 | 18007 | Indian | State | OW | PA |
| 8-6-45 BTR | 6 | 040S | 050W | 4301350900 | 18561 | Indian | Indian | OW | PA |
| 13-13-36 BTR | 13 | 030S | 060W | 4301350919 | 18364 | Indian | Fee | OW | PA |
| 7-28-46 DLB | 28 | 040S | 060W | 4301333569 | 16460 | Indian | Indian | OW | S |
| 5-21-36 BTR | 21 | 030S | 060W | 4301333641 | 16674 | Indian | Fee | GW | S |
| 13-26-36 BTR | 26 | 030S | 060W | 4301333980 | 17569 | Indian | Fee | OW | S |
| 14-1-46 BTR | 1 | 040S | 060W | 4301334113 | 18516 | Indian | Indian | OW | S |
| 16-21-36 BTR | 21 | 030S | 060W | 4301334130 | 17721 | Indian | Fee | OW | S |
| 14-21-36 BTR | 21 | 030S | 060W | 4301334131 | 18006 | Indian | Fee | OW | S |
| 7-16-36 BTR | 16 | 030S | 060W | 4301334133 | 17834 | Indian | Fee | OW | S |
| 1-30-36 BTR | 30 | 030S | 060W | 4301334134 | 17905 | Indian | Fee | OW | S |
| 16-30-36 BTR | 30 | 030S | 060W | 4301334135 | 18005 | Indian | Fee | OW | S |
| 3-23-36 BTR | 23 | 030S | 060W | 4301334137 | 17860 | Indian | Fee | OW | S |
| 16-16-36 BTR | 16 | 030S | 060W | 4301334138 | 17666 | Indian | Fee | OW | S |

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4-26-36 BTR | 26 | 030S | 060W | 4301334139 | 17620 | Fee | Fee | OW | S |
| 9-11-36 BTR | 11 | 030S | 060W | 4301334276 | 17451 | Indian | Fee | OW | S |
| 3-36-36 BTR | 36 | 030S | 060W | 4301350398 | 17955 | Indian | Fee | OW | S |
| 7-10-36 BTR | 10 | 030S | 060W | 4301350437 | 18052 | Indian | Fee | OW | S |
| 16-12D-46 BTR | 12 | 040S | 060W | 4301350467 | 18051 | Indian | Indian | OW | S |
| 13H-13-46 BTR | 13 | 040S | 060W | 4301350468 | 18208 | Indian | Indian | OW | S |
| 13-12-46 BTR | 12 | 040S | 060W | 4301350469 | 18233 | Indian | Indian | OW | S |
| 14-8D-36 BTR | 8 | 030S | 060W | 4301350612 | 18163 | Indian | Fee | OW | S |
| 14-7D-36 BTR | 7 | 030S | 060W | 4301350613 | 18330 | Indian | Fee | OW | S |
| 16-9-36 BTR | 9 | 030S | 060W | 4301350645 | 18078 | Indian | Fee | OW | S |
| 7-27-37 BTR | 27 | 030S | 070W | 4301350647 | 18090 | Indian | Fee | OW | S |
| 16-12D-37 BTR | 12 | 030S | 070W | 4301350785 | 18446 | Indian | Fee | OW | S |
| 14-21D-37 BTR | 21 | 030S | 070W | 4301350859 | 18548 | Indian | Fee | OW | S |
| 10-18D-36 BTR | 18 | 030S | 060W | 4301350915 | 18884 | Indian | Fee | OW | S |
| 5-27D-36 | 27 | 030S | 060W | 4301350917 | 18482 | Indian | State | OW | S |
| 10-36D-36 BTR | 36 | 030S | 060W | 4301351005 | 18523 | Indian | Fee | OW | S |
| 14-6D-45 BTR | 6 | 040S | 050W | 4301351158 | 18967 | Indian | Indian | OW | S |
| 5H-1-46 BTR UTELAND BUTTE | 6 | 040S | 050W | 4301351215 | 18728 | Indian | Indian | OW | S |
| 5H-1-46 BTR WASATCH | 6 | 040S | 050W | 4301351216 | 18727 | Indian | Indian | OW | S |
| 1-25D-36 BTR | 25 | 030S | 060W | 4301351294 | 18798 | Indian | Fee | OW | S |
| 5-5D-35 BTR | 5 | 030S | 050W | 4301351605 | 19055 | Indian | Fee | OW | S |
| 16-23-36 BTR | 23 | 030S | 060W | 4301333971 | 17182 | Indian | Fee | OW | TA |
| LC TRIBAL 14-23D-47 | 23 | 040S | 070W | 4301334022 | 18616 | Indian | Indian | OW | TA |
| 5-32D-36 BTR | 32 | 030S | 060W | 4301350756 | 18328 | Indian | Fee | OW | TA |

**Bill Barrett Corporation**

October 20, 2016

RECEIVED
OCT 21 2016
DIV. OF OIL, GAS & MINING

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 formchanging 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

Brady Riley

Brady Riley
Permit Analyst

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

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

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

| | |
|---|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list) | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A | |
| 7. UNIT or CA AGREEMENT NAME: | |
| 1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER | 8. WELL NAME and NUMBER: (see attached well list) |
| 2. NAME OF OPERATOR: RIG II, LLC N4055 | 9. API NUMBER: |
| 3. ADDRESS OF OPERATOR: 1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 / PHONE NUMBER: (801) 683-4245 | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL — FOOTAGES AT SURFACE: (see attached well list) | COUNTY: |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit In Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 11/1/2016 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☑ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ 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 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 N2165

Duane Zavadil NAME (PLEASE PRINT)

SIGNATURE

Senior Vice President - EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain NAME (PLEASE PRINT)

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain TITLE Manager

SIGNATURE DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

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

# Request to Transfer Application or Permit to Drill

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

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

| Check one | Desired Action: |
|---|---|
| | |
| | **Transfer pending (unapproved) Application for Permit to Drill to new operator** |
| | The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application. |
| ✓ | **Transfer approved Application for Permit to Drill to new operator** |
| | The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. |

| **Following is a checklist of some items related to the application, which should be verified.** | **Yes** | **No** |
|---|---|---|
| If located on private land, has the ownership changed? | ✓ | |
| If so, has the surface agreement been updated? | | ✓ |
| Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? | | ✓ |
| Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? | | ✓ |
| Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location? | | ✓ |
| Has the approved source of water for drilling changed? | | ✓ |
| Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? | | ✓ |
| Is bonding still in place, which covers this proposed well? Bond No. 9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA | ✓ | |

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 Jesse McSwain 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.

(3/2004)

**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 | API Number |
|---|---|
| 6-32-36 BTR SWD | 4301350921 |
| **Location of Well** | Field or Unit Name |
| Footage : 1628 FNL 1553 FWL County : DUCHENSE | CEDAR RIM |
| QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH | 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:
Title: Senior Vice President - 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:

(5/2000)

**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 | API Number |
|---|---|
| 16-6D-46 BTR SWD | 4301350781 |
| **Location of Well** | Field or Unit Name |
| Footage : 0200 FSL 0099 FEL County : DUCHESNE | ALTAMONT |
| QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH | 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: [signature]
Title: Senior Vice President - 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: [signature]
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: [signature]
Title: UIC

Approval Date: 11/3/16

Comments:

(5/2000)

**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 | API Number |
|---|---|
| SWD 9-36 BTR | 4301350646 |
| **Location of Well** | Field or Unit Name |
| Footage : 0539 FSL 0704 FEL County : DUCHESNE | CEDAR RIM |
| QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH | 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: [signature]
Title: Senior Vice President - 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: [signature]
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments: This well was approved by USEPA. EPA approval will be required.

(5/2000)