

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER 7-27-37 BTR
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT CEDAR RIM
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) 20G0005608	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee') ALAN SMITH		14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-725-3232
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1137 Parkridge Drive, ,		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1742 FNL 2110 FEL	SWNE	27	3.0 S	7.0 W	U
Top of Uppermost Producing Zone	1742 FNL 2110 FEL	SWNE	27	3.0 S	7.0 W	U
At Total Depth	1742 FNL 2110 FEL	SWNE	27	3.0 S	7.0 W	U

21. COUNTY DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1742	23. NUMBER OF ACRES IN DRILLING UNIT 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3250	26. PROPOSED DEPTH MD: 10764 TVD: 10764
27. ELEVATION - GROUND LEVEL 6682	28. BOND NUMBER LPM8874725	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Duchesne City Culinary Water Dock

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
Surf	14.75	10.75	0 - 3000	45.5	J-55 ST&C	8.8	Halliburton Light , Type Unknown	790	3.16	11.0
							Halliburton Premium , Type Unknown	360	1.36	14.8
Prod	9.875	5.5	0 - 10764	17.0	P-110 LT&C	9.7	Unknown	700	2.31	11.0
							Unknown	1090	1.42	13.5

ATTACHMENTS

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

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

NAME Tracey Fallang	TITLE Regulatory Manager	PHONE 303 312-8134
SIGNATURE	DATE 03/11/2011	EMAIL tfallang@billbarrettcorp.com
API NUMBER ASSIGNED 43013506470000	APPROVAL  Permit Manager	

BILL BARRETT CORPORATION
DRILLING PLAN
03/10/2011

7-27-37 BTR Well Pad

SWNE, 1742' FNL, 2110' FEL, Section 27, T3S, R7W, USB&M (surface hole)

SWNE, 1742' FNL, 2110' FEL, Section 27, T3S, R7W, USB&M (bottom hole)

Duchesne County, UT

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

<u>Formation</u>	<u>Depth – MD</u>
Lower Green River	5719'*
Douglas Creek	6565'
Black Shale	7215'
Castle Peak	7455'
Wasatch	8067'*
TD	10764'

*PROSPECTIVE PAY

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

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 3000'	No pressure control required
3000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
14 3/4"	surface	3000'	10-3/4"	45.5#	J or K 55	BT&C	New
9-7/8" & 8-3/4"	surface	TD	5 1/2"	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).

Bill Barrett Corporation
 Drilling Program
 7-27-37 BTR
 Duchesne County, Utah

5. Cementing Program

<u>Casing</u>	<u>Cement</u>
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 1/2" Production Casing May reduce hole size to 8-3/4" at 6000' if minimal hole problems.	Lead with approximately 700 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). Tail with approximately 1090 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Planned TOC 2500'
<p>NOTE: If 7-5/8" casing is necessary, cement with Lead with approximately 700 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft³/sx). Tail with approximately 240 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft³/sx). Planned TOC surface. We will perform a FIT to 10.2 ppg after drilling 20' of new hole.</p> <p>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.</p>	

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' - 80'	8.3 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid System
80' - 3000'	8.3 - 8.8	26 - 36	NC	Freshwater Spud Mud Fluid System
3000' - TD	8.6 - 9.7	42-52	20 cc or less	DAP Polymer Fluid System
<p>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.</p>				

7. Testing, Logging and Core Programs

Cores	None anticipated
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.
<p>NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.</p>	

Bill Barrett Corporation
Drilling Program
7-27-37 BTR
Duchesne County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5429 psi* and maximum anticipated surface pressure equals approximately 3061 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

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

11. Drilling Schedule

Location Construction:	Approximately 9/1/2011
Spud:	Approximately 9/15/2011
Duration:	15 days drilling time
	45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

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

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

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

D. Choke Manifold Equipment:

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

E. Accumulator:

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

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

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

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

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

F. Miscellaneous Information:

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

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



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

AS OF: 3/30/2011

Well Name: 7-27-37 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
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# SK's Tail:	360
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Production Hole Data:

Total Depth:	10,764'
Top of Cement:	2,500'
Top of Tail:	6,715'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1597.0	ft ³
Lead Fill:	4,215'	
Tail Volume:	1534.3	ft ³
Tail Fill:	4,049'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	700
# SK's Tail:	1090

7-27-37 BTR Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
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

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (6715' - 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: 4,215'
	Volume: 284.42 bbl
	Proposed Sacks: 700 sks
Tail Cement - (10764' - 6715')	
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: 6,715'
	Calculated Fill: 4,049'
	Volume: 273.25 bbl
	Proposed Sacks: 1090 sks

T3S, R7W, U.S.B.&M.

BILL BARRETT CORPORATION

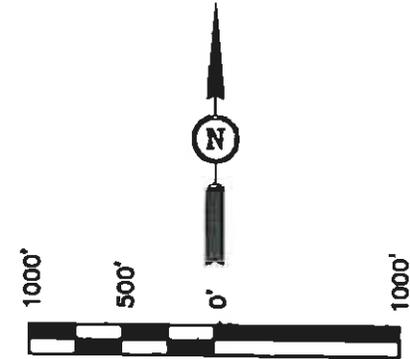
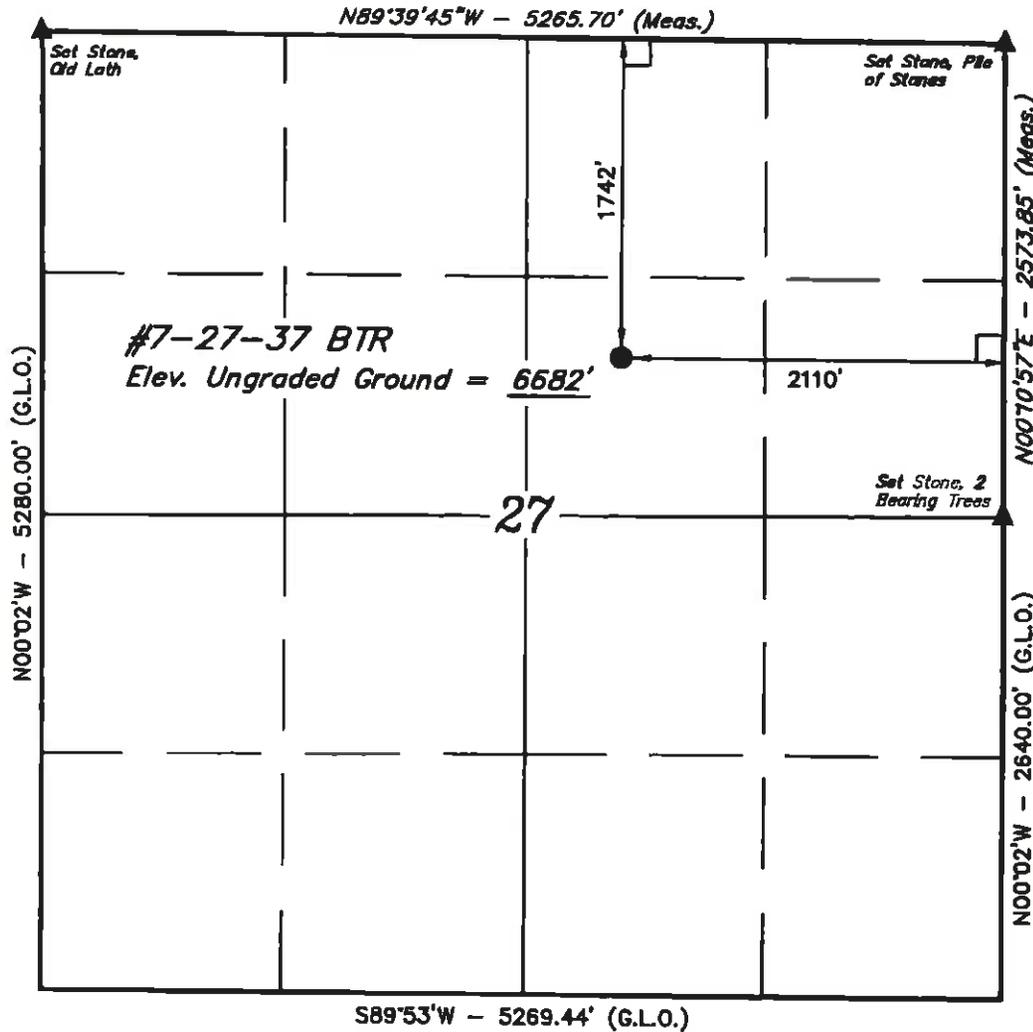
Well location, #7-27-37 BTR, located as shown in the SW 1/4 NE 1/4 of Section 27, T3S, R7W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION LOCATED IN THE NW 1/4 OF SECTION 36, T3S, R6W, U.S.B.&M., TAKEN FROM THE RABBIT GULCH QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5904 FEET.

BASIS OF BEARINGS

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



SCALE

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.

Robert H. [Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 181318
 STATE OF UTAH

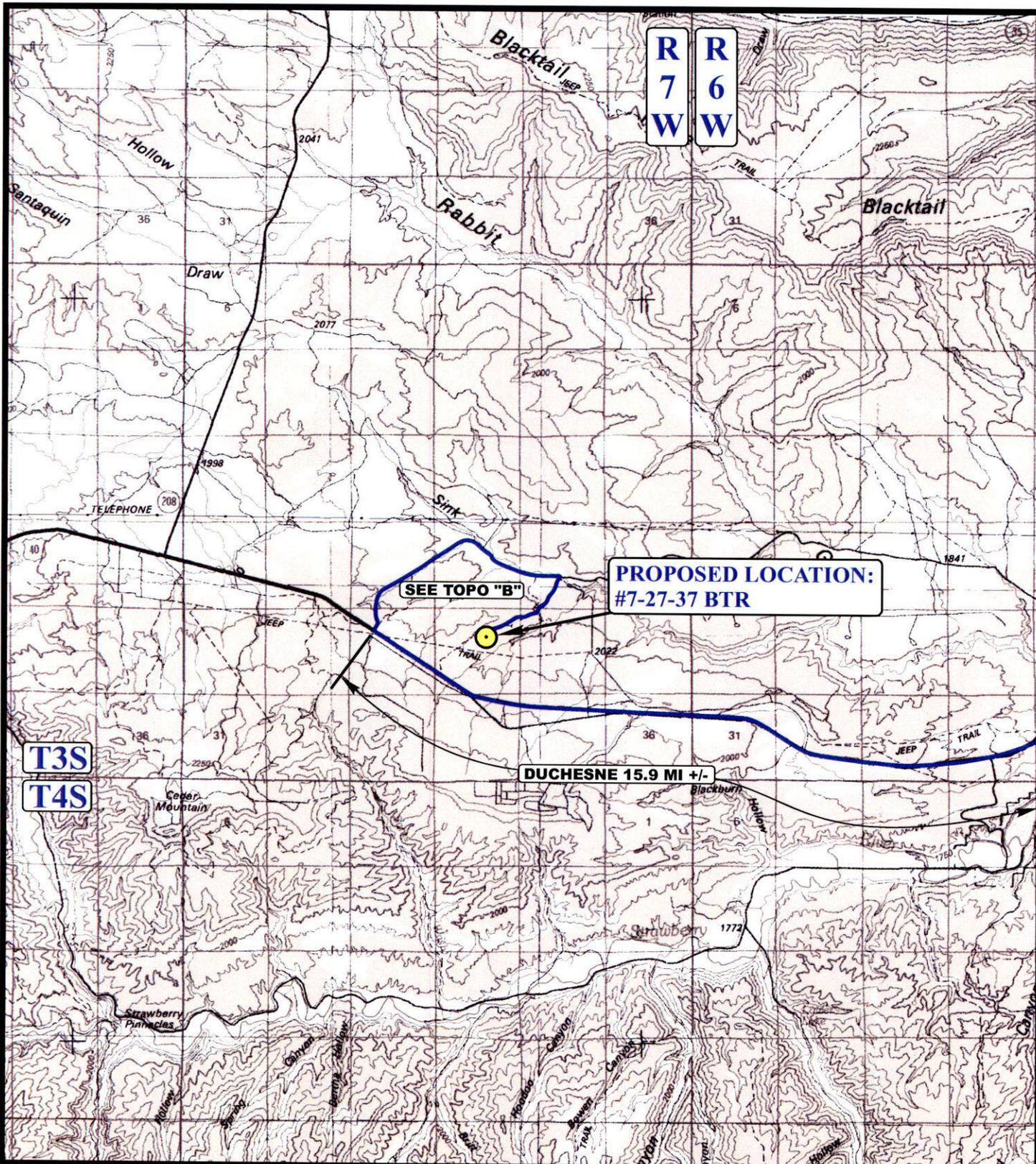
LEGEND:

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

(NAD 83)
 LATITUDE = 40°11'35.19" (40.193108)
 LONGITUDE = 110°39'35.95" (110.659986)
 (NAD 27)
 LATITUDE = 40°11'35.35" (40.193153)
 LONGITUDE = 110°39'33.38" (110.659272)

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

SCALE 1" = 1000'	DATE SURVEYED: 11-28-07	DATE DRAWN: 01-08-08
PARTY A.F. B.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BILL BARRETT CORPORATION	



LEGEND:

 PROPOSED LOCATION

BILL BARRETT CORPORATION

#7-27-37 BTR
SECTION 27, T3S, R7W, U.S.B.&M.
1742' FNL 2110' FEL

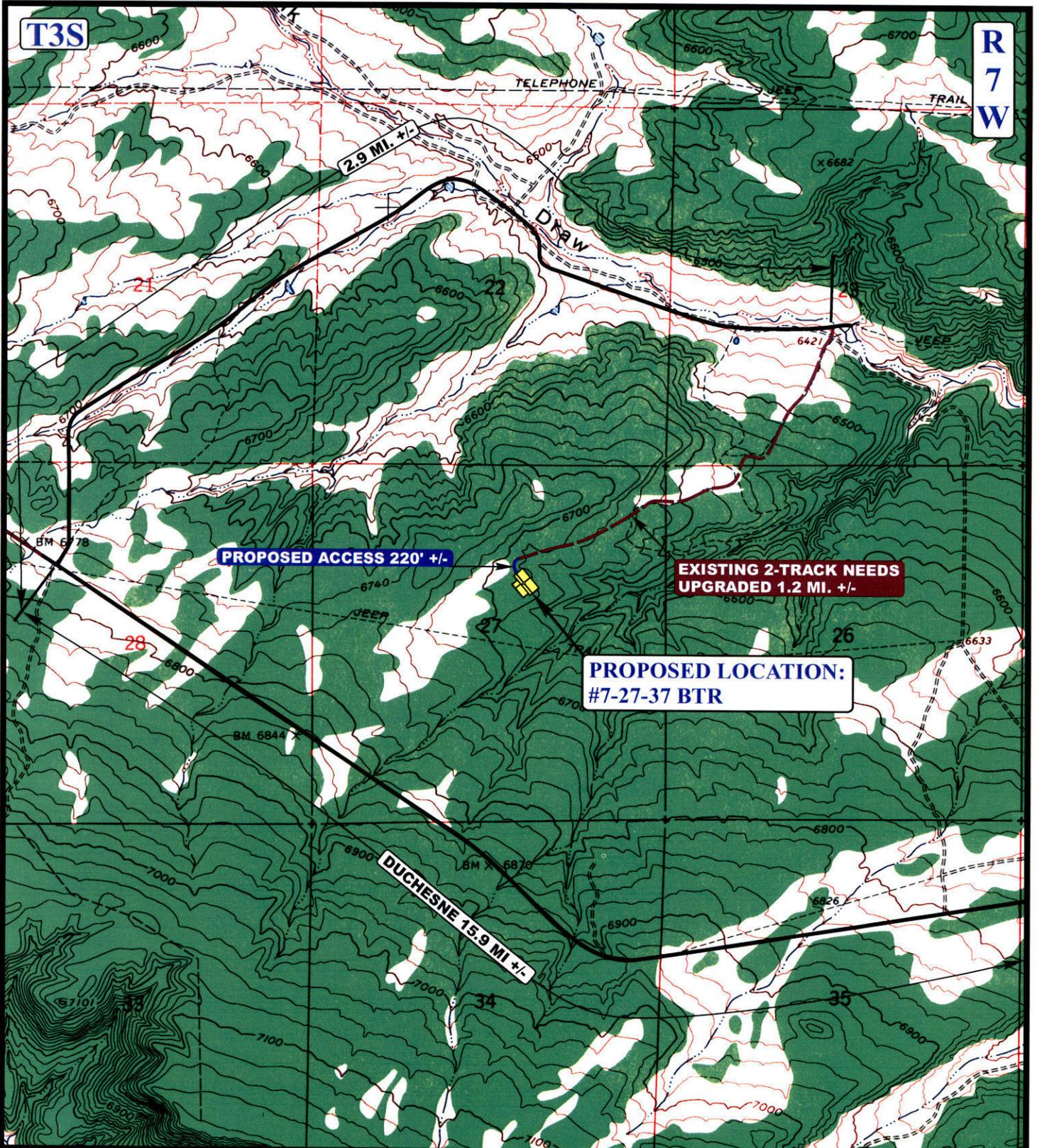


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC 11 30 07
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING 2-TRACK NEEDS UPGRADED



BILL BARRETT CORPORATION

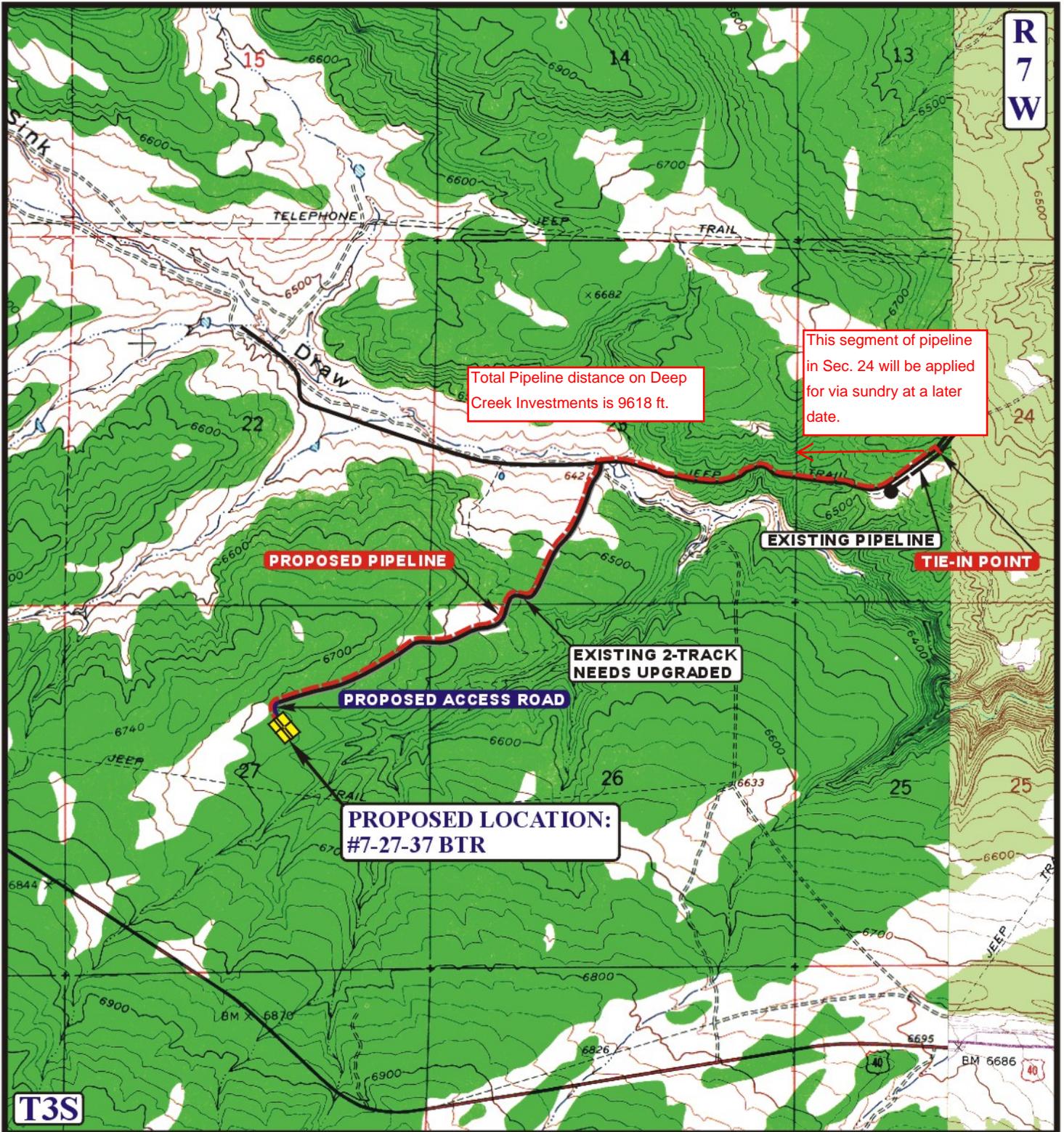
#7-27-37 BTR
 SECTION 27, T3S, R7W, U.S.B.&M.
 1742' FNL 2110' FEL



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

TOPOGRAPHIC MAP	11	30	07
	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.		REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 11,282' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE

BILL BARRETT CORPORATION

#7-27-37 BTR
SECTION 27, T3S, R7W, U.S.B.&M.
1742' FNL 2110' FEL

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



TOPOGRAPHIC MAP **11 30 07**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REV: 11-18-10 J.J. **D TOPO**

53.00

STATE OF UTAH
COUNTY OF DUCHESNE

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, Deep Creek Investments, whose mailing address is 2400 Sunnyside Avenue, Salt Lake City, UT 84108-1450 (hereinafter referred to as GRANTOR), whether one or more, is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

TOWNSHIP 3 SOUTH, RANGE 7 WEST, USM
Section 23: NE1/4SW1/4, N1/2SE1/4

See Exhibit "A"





GRANTOR:

DEEP CREEK INVESTMENTS

By: 

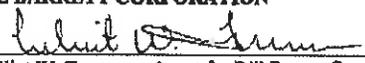
Lee M. Smith

Its: Managing Partner

Date: 1-7-11

GRANTEE:

BILL BARRETT CORPORATION

By: 

Clint W. Turner, as Agent for Bill Barrett Corporation

ACKNOWLEDGMENT

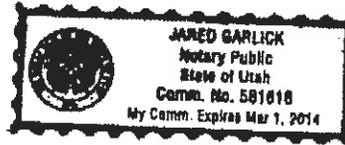
STATE OF UTAH
COUNTY OF SALT LAKE

On this 7th day of January, 2011, before me personally appeared Lee M. Smith known to me to be the person who is described in and who executed the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal.

J. Garlick
Notary Public
Residing at: Salt Lake City

My Commission Expires: 3/1/14



ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

On this 10 day of JAN, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10-24-2014

Dan Costley
Notary Public
Residing at:



SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the 1st day of September, 2010, by and between Deep Creek Investments, 2400 Sunnyside Avenue, Salt Lake City, UT 84108-1450 ("Surface Owner") and Bill Barrett Corporation, 1099 18th Street, Suite 2300, Denver CO 80202, ("BBC").

WITNESSETH THAT:

WHEREAS, BBC owns undivided interests in certain oil and gas leases ("leases") covering and affecting the SW1/4 of Section 23, Township 3 South, Range 7 West, USM, the NW1/4 of Section 26, Township 3 South, Range 7 West, USM, and the NE1/4 of Section 27, Township 3 South, Range 7 West, USM, of Duchesne County, Utah; and,





BILL BARRETT CORPORATION
SURFACE USE PLAN

7-27-37 BTR Well Pad

SWNE, 1742' FNL, 2110' FEL, Sec. 27, T3S-R7W
Duchesne County, Utah

A surface use agreement exists with the surface use owner. The onsite for this location is pending.

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

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2. Planned Access Road:

- a. Approximately 1.2 miles of existing two-track access road would be upgraded and approximately 220 feet of new access road is proposed entering the northern end of the pad area (see Topographic Map B).
- b. The road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed as adequate site distance exists in all directions.
- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.

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- 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 one
 - vii. abandoned wells four
4. Location of Production Facilities
- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
 - b. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less.
 - 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

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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 9618 ft of pipeline corridor (see Topographic Map D) 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 would connect to an existing tie-in point in Sec. 24. This section of pipeline, approximately 1664 ft in length, will be applied for separately.
- g. The new segment of gas pipeline would be buried or surface laid line, based on surface owner request, within a 30 foot wide pipeline corridor adjacent to the proposed access road. See attached Surface Damage and Right-of-Way Settlement Agreement. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle, 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.

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

5. Location and Type of Water Supply:

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

Water Right No. and Application or Change No.	Applicant	Point of Diversion	Source
43-180	Duchesne City Water Service District	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	Strawberry River	Strawberry River

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

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.

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- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve pit would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting.
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

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

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA’s Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the

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course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ 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.

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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 375 feet x 270 feet with an outboard reserve pit size of 180 feet x 100 feet X 8 feet deep. See section 12.d below for disturbance estimates.
 - e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
 - f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
 - g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings 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.

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- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted within 90 days of location construction.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Surface Use Agreement specified seed mix.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Surface Use Agreement prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership - Deep Creek Investments, Alan Smith, 1137 Parkridge Drive, Roosevelt, UT 84066 435-725-3232 home, 435-823-3232 cell
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East (Annex Building); Ft. Duchesne, Utah 84026; 435-725-4950.

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7-27-37 BTR
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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. 07-391, dated January 22, 2008 and MOAC Report No. 10-207, dated November 1, 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
- d. Disturbance estimates:

Approximate Acreage Disturbances

Well Pad		3.01	acres
Access	220 feet	0.15	acres
Existing to Be			
Upgraded	6336 feet	3.2	acres
Pipeline	6834 feet	6.62	acres

Total 12.98 acres

OPERATOR CERTIFICATION

Certification:

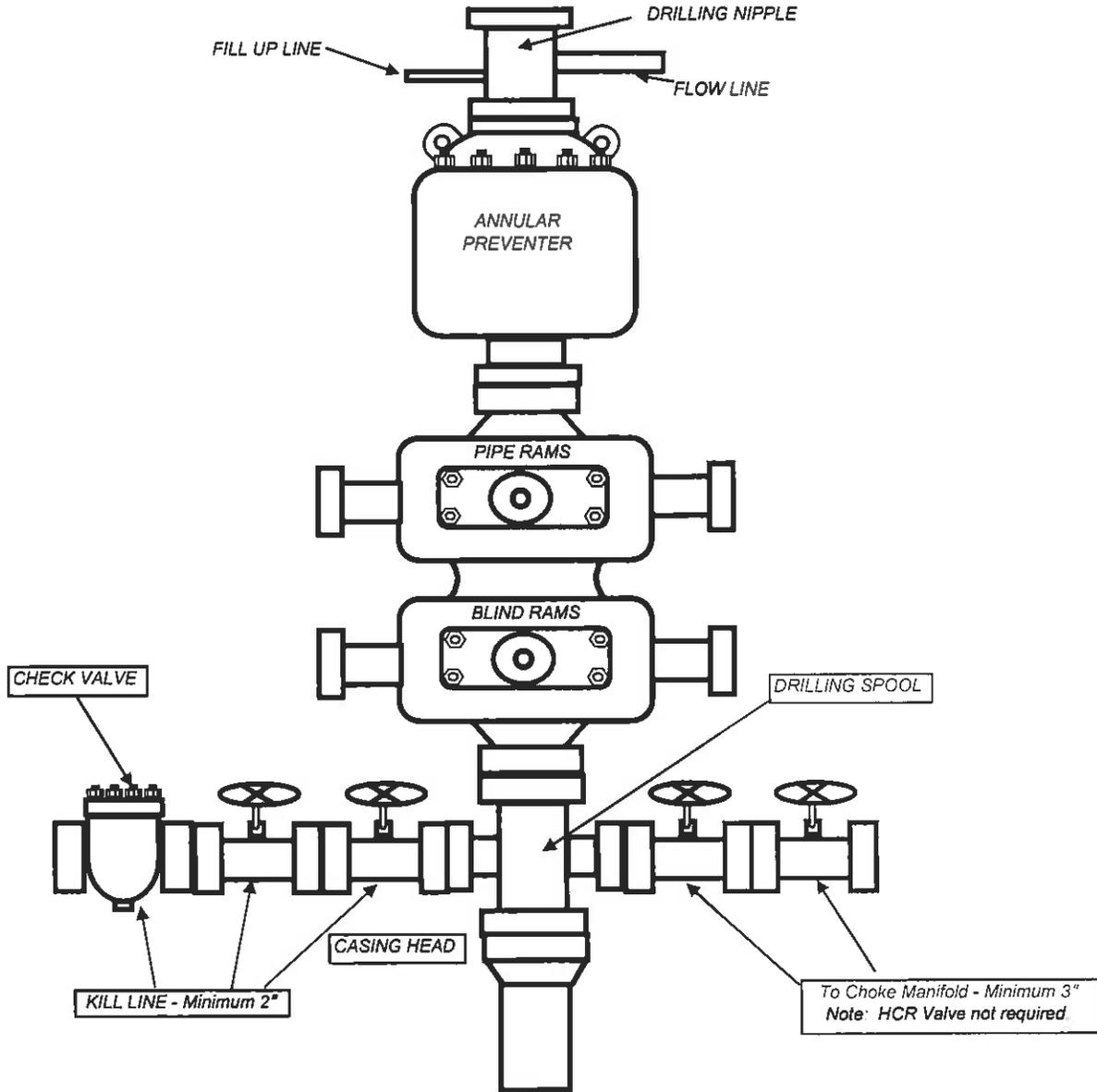
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made 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 10th day of March 2011
 Name: Tracey Fallang
 Position Title: Regulatory Manager
 Address: 1099 18th Street, Suite 2300, Denver, CO 80202
 Telephone: 303-312-8134
 E-mail: tfallang@billbarrettcorp.com
 Field Representative Kary Eldredge / Bill Barrett Corporation
 Address: 1820 W. Highway 40, Roosevelt, UT 84066
 Telephone: 435-725-3515 (office); 435-724-6789 (mobile)
 E-mail: keldredge@billbarrettcorp.com

Tracey Fallang, Regulatory Manager
 Tracey Fallang, Regulatory Manager

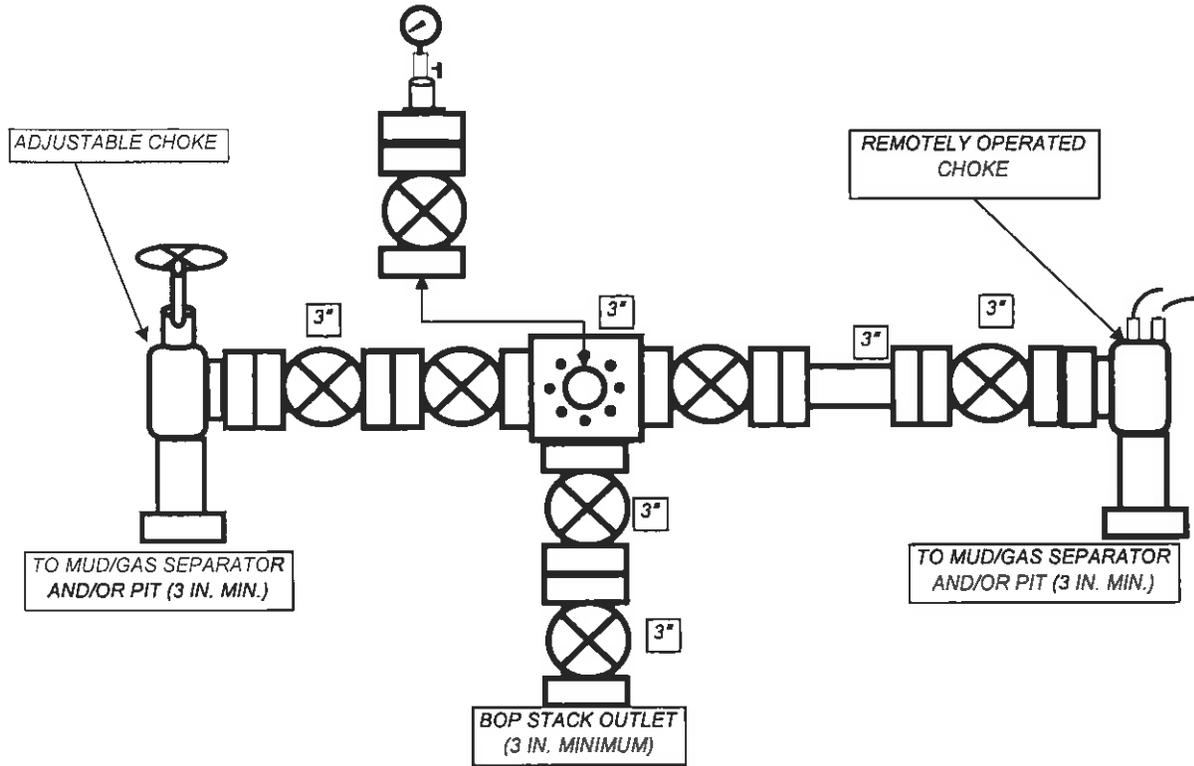
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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

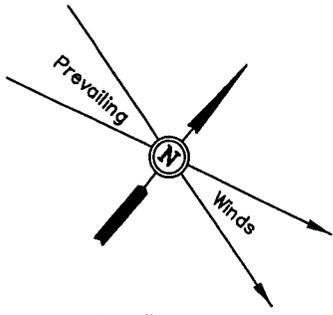
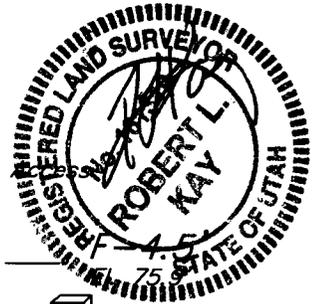


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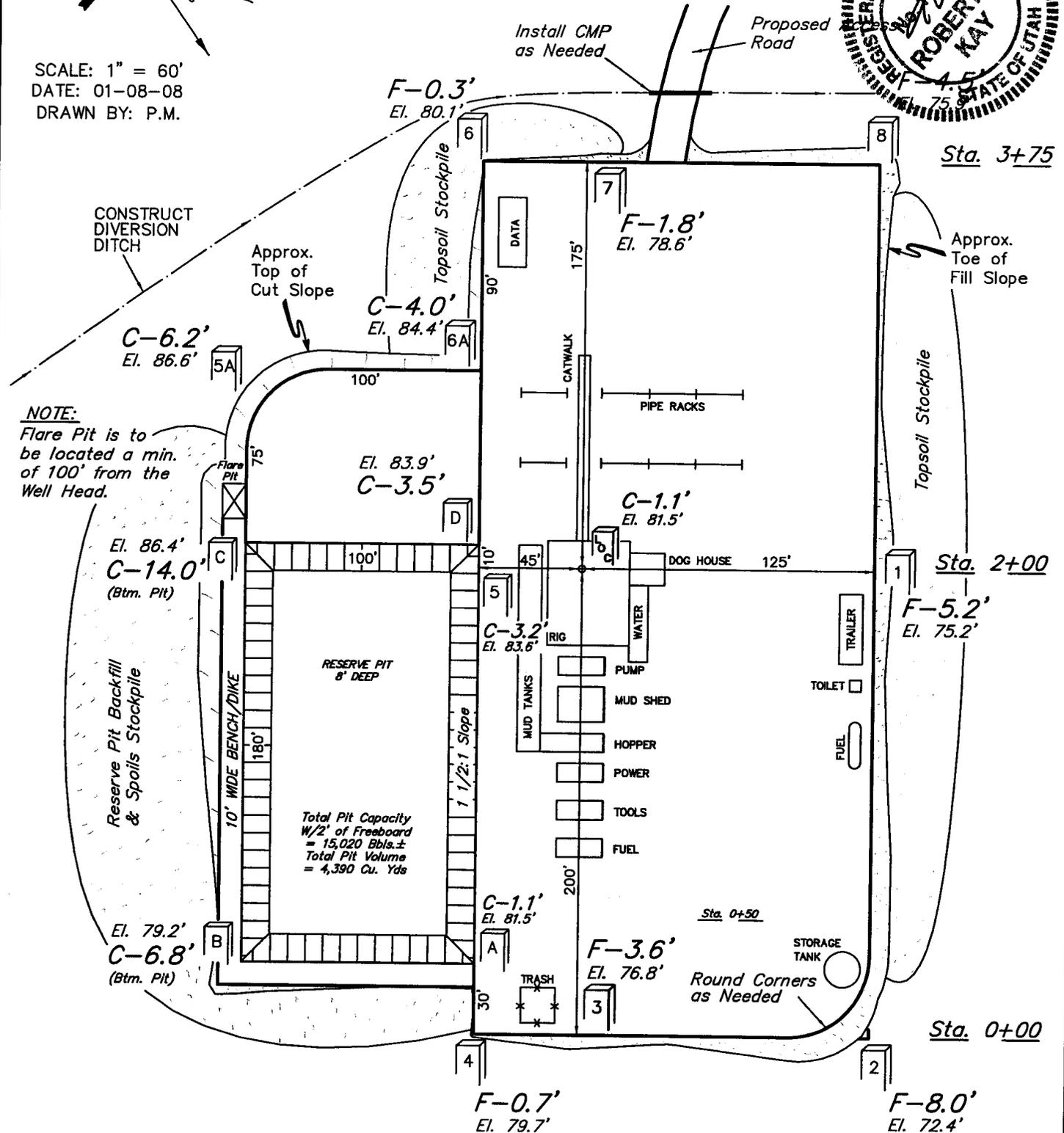
LOCATION LAYOUT FOR

#7-27-37 BTR
SECTION 27, T3S, R7W, U.S.B.&M.
1742' FNL 2110' FEL

FIGURE #1



SCALE: 1" = 60'
DATE: 01-08-08
DRAWN BY: P.M.



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

NOTES:

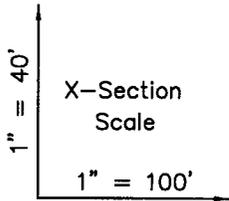
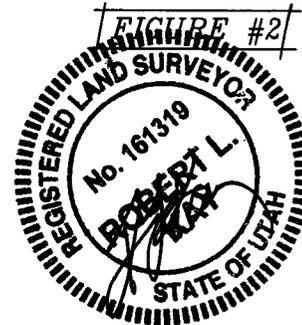
Elev. Ungraded Ground At Loc. Stake = 6681.5'
FINISHED GRADE ELEV. AT LOC. STAKE = 6680.4'

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

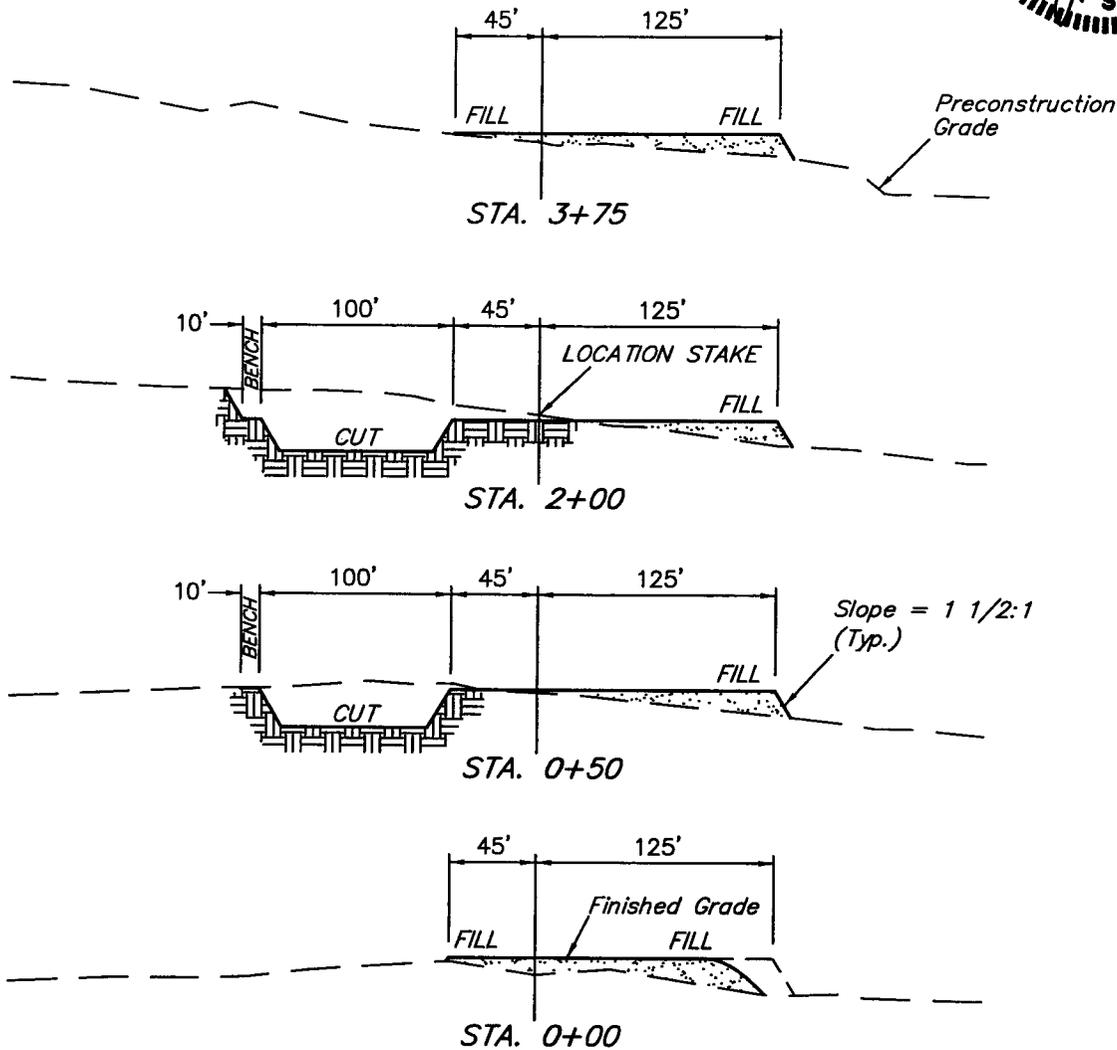
BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

#7-27-37 BTR
SECTION 27, T3S, R7W, U.S.B.&M.
1742' FNL 2110' FEL



DATE: 01-08-08
DRAWN BY: P.M.



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ±3.019 ACRES
ACCESS ROAD DISTURBANCE = ±4.526 ACRES
CORRIDOR DISTURBANCE = ±12.132 ACRES
TOTAL = ±19.677 ACRES

NOTE:

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

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

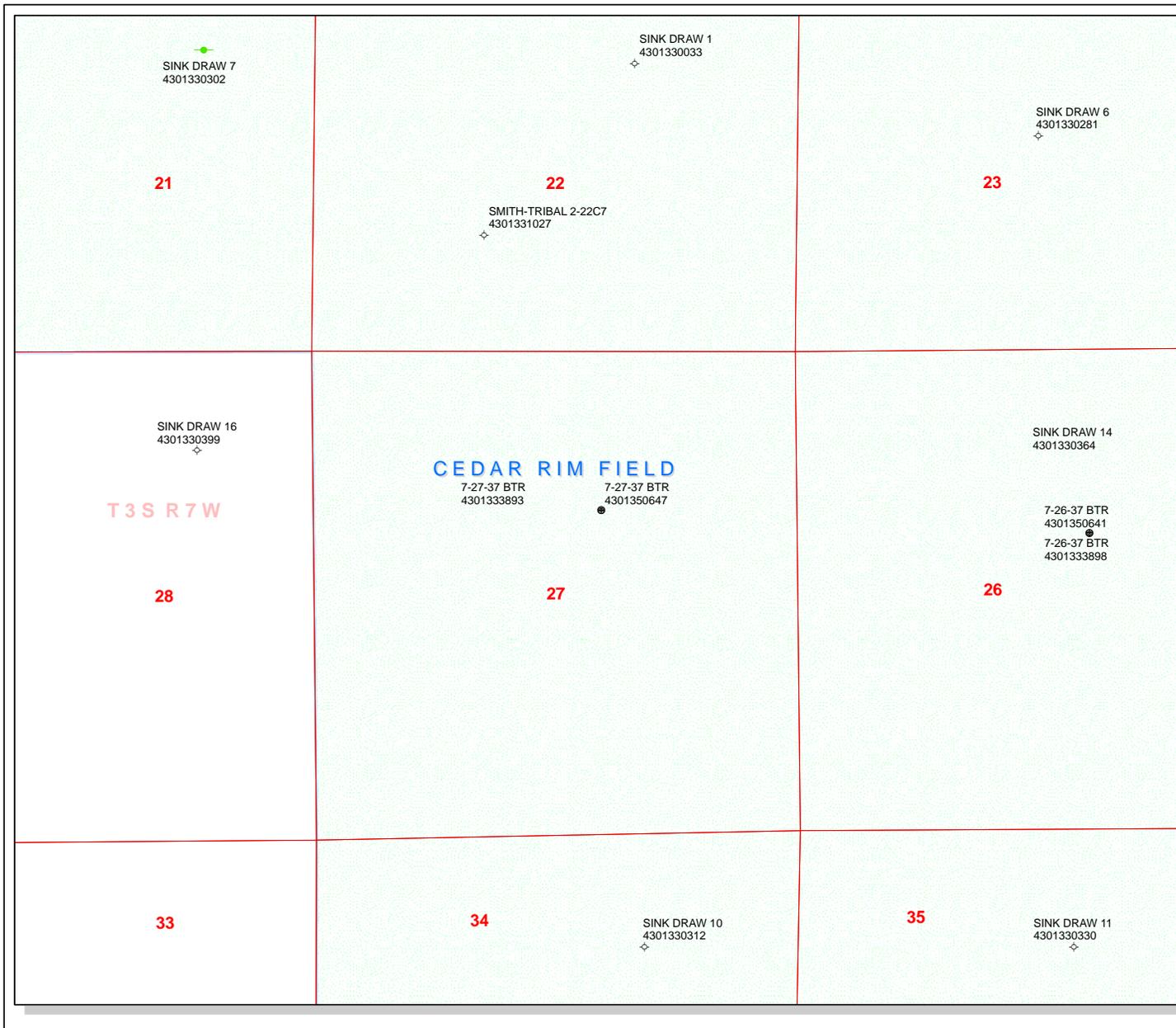
APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 3,800 Cu. Yds.
Remaining Location = 7,980 Cu. Yds.

TOTAL CUT = 11,780 CU.YDS.
FILL = 5,780 CU.YDS.

EXCESS MATERIAL = 6,000 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 6,000 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

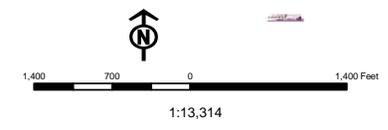
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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



API Number: 4301350647
Well Name: 7-27-37 BTR
 Township T0.3 . Range R0.7 . Section 27
Meridian: UBM
 Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

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



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name 7-27-37 BTR
API Number 43013506470000 **APD No** 3529 **Field/Unit** CEDAR RIM
Location: 1/4,1/4 SWNE **Sec 27 Tw 3.0S Rng 7.0W** 1742 FNL 2110 FEL
GPS Coord (UTM) 529006 4449044 **Surface Owner** ALAN SMITH

Participants

James Hereford (BLM), Kary Eldredge (Bill Barrett), Alan Smith (land owner), Don Hamilton (Buys and Associates), Trevor Anderson (UELS), Matt Serfustini (EIS), Richard Powell (DOGM)

Regional/Local Setting & Topography

This location sits approximately .75 miles to the north of highway 40 and approximately 15 miles west of Duchesne UT. The surface at this site slopes gently northeast away from the highway corridor and drains to a small canyon which also drains northeast into a larger draw known as Sink Draw. A small drainage crosses this location but can be easily diverted during construction. Sink Draw then drains into Rabbit Gulch. Rabbit Gulch is the predominate drainage for this region and empties into Starvation Reservoir to the east. Access to this location begins at a point on Highway 40 15.9 miles west of Duchesne UT.

Surface Use Plan

Current Surface Use

Deer Winter Range
Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
1.2	Width 270 Length 375	Onsite	UNTA

Ancillary Facilities Y

Several trailers will be placed on location to provide housing for personnel during drilling of this well.
Sewage and trash service to be handled by local contractor.

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Pinion, Juniper, sparse grasses, rabbit brush, prickly pear
Deer, Elk, coyote, cougar, rabbit, rodents, raptors, small birds and mammals

Soil Type and Characteristics

Shallow sandy clay soil with moderate permeability. Exposed rock at surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

A diversion ditch needs to be placed around the north side of the location.

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

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

Characteristics / Requirements

The reserve pit will be place in cut in a stable location. The pit will be 100ft x 180ft x 8ft deep with a total capacity including freeboard of 15,020bbl.
 According to Kary Eldredge a 16 mil liner with felt subliner will be used.

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

Other Observations / Comments

A small drainage diversion will need to be constructed around the north side of location, otherwise there appear to be no surface problems with this location.

Richard Powell
Evaluator

3/22/2011
Date / Time

Application for Permit to Drill Statement of Basis

4/14/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3529	43013506470000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	ALAN SMITH	
Well Name	7-27-37 BTR		Unit		
Field	CEDAR RIM		Type of Work	DRILL	
Location	SWNE 27 3S 7W U 1742 FNL 2110 FEL GPS Coord (UTM) 529003E 4449038N				

Geologic Statement of Basis

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

Brad Hill
APD Evaluator

4/14/2011
Date / Time

Surface Statement of Basis

At the time of this onsite four wheel drive ATV's with snow tracks were used to access the location. Although snow conditions made site access difficult enough snow had melted to allow for a good visual inspection of the surface. The surface owner Alan Smith was present. Mr. Smith expressed appreciation to Bill Barrett corporation for following existing roads to the location and also stated that Bill Barrett had met all of his requests in regards to pipeline and road placement. Mr. Smith expressed no concerns with the location on this well. Mr. James Hereford of the BLM also stated no concerns with this site.

Richard Powell
Onsite Evaluator

3/22/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/11/2011

API NO. ASSIGNED: 43013506470000

WELL NAME: 7-27-37 BTR

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8134

CONTACT: Tracey Fallang

PROPOSED LOCATION: SWNE 27 030S 070W

Permit Tech Review:

SURFACE: 1742 FNL 2110 FEL

Engineering Review:

BOTTOM: 1742 FNL 2110 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.19313

LONGITUDE: -110.65927

UTM SURF EASTINGS: 529003.00

NORTHINGS: 4449038.00

FIELD NAME: CEDAR RIM

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005608

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - LPM8874725
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Duchesne City Culinary Water Dock
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-85
- Effective Date: 3/11/2010
- Siting: 4 Prod LGRRV-WSTC Wells in Drilling Units
- R649-3-11. Directional Drill

Comments: Presite Completed

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



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 7-27-37 BTR
API Well Number: 43013506470000
Lease Number: 2OG0005608
Surface Owner: FEE (PRIVATE)
Approval Date: 4/14/2011

Issued to:

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

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-85. 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.

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

Notification Requirements:

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

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

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules

will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

RECEIVED COPY

RECEIVED
Form 3160-3
(August 2007)

JAN 31 2008

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

MAR 14 2011

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM VERNAL, UTAH

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005608
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET, SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 7-27-37 BTR
3b. Phone No. (include area code) 303-312-8134		9. API Well No. 4301350647
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNE 1742 FNL 2110 FEL At proposed prod. zone SWNE 1742 FNL 2110 FEL		10. Field and Pool, or Exploratory ALTAMONT
14. Distance in miles and direction from nearest town or post office* 17 MILES W OF DUCHESNE, UT		11. Sec., T. R. M. or Blk. and Survey or Area SEC 27 T3S R7W USB&M
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1742	16. No. of acres in lease 66101	12. County or Parish DUCHESNE
17. Spacing Unit dedicated to this well 640	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 3250	19. Proposed Depth 10764 MD, 10764 TVD	20. BLM/BIA Bond No. on file LPM8874725
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6682 GL	22. Approximate date work will start* 09/01/2011	23. Estimated duration 60 DAYS (D&C)

24. Attachments

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

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

25. Signature <i>Tracey Fallang</i>	Name (Printed/Typed) Tracey Fallang	Date 01/25/2008
Title REGULATORY MANAGER		<i>RM/SLD 3/12/11</i>
Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) Jerry Kenczka	Date APR 19 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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.

(Continued on page 2)

*(Instructions on page 2)

UDOGM

NOTICE OF APPROVAL

RECEIVED

APR 25 2011

DIV. OF OIL, GAS & MINING



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: 7-27-37 BTR
API No: 43-013-50647

Location: SWNE, Sec. 27, T3S, R7W
Lease No: 2OG0005608
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)**

- For any deviation of Bill Barrett Corporations surface use plan, BBC will notify the BLM in writing and will include a copy of surface owner authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD, COAs, and surface use agreement 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. Also, the access to the 7-26-37 BTR needs additional stabilization where the existing road is washing away.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The BLM Authorized Officer shall be notified should cultural remains from subsurface deposits be exposed or identified during construction.
- Production facilities will be painted Juniper Green to blend in with the surrounding habitat, unless otherwise stated from the private land owner agreement.
- Site reclamation will be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact surface owner or the BLM AO for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.
- Operator has agreed to control of noxious and invasive weeds along access roads, pipeline routes, and the pad area itself.

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

SITE SPECIFIC DOWNHOLE COAs:

- A CBL/GR shall be run from TD to surface on the production casing or the intermediate casing and liner.
- Cement for the production or intermediate casing string shall be brought 200 feet above the surface casing shoe.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. 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.

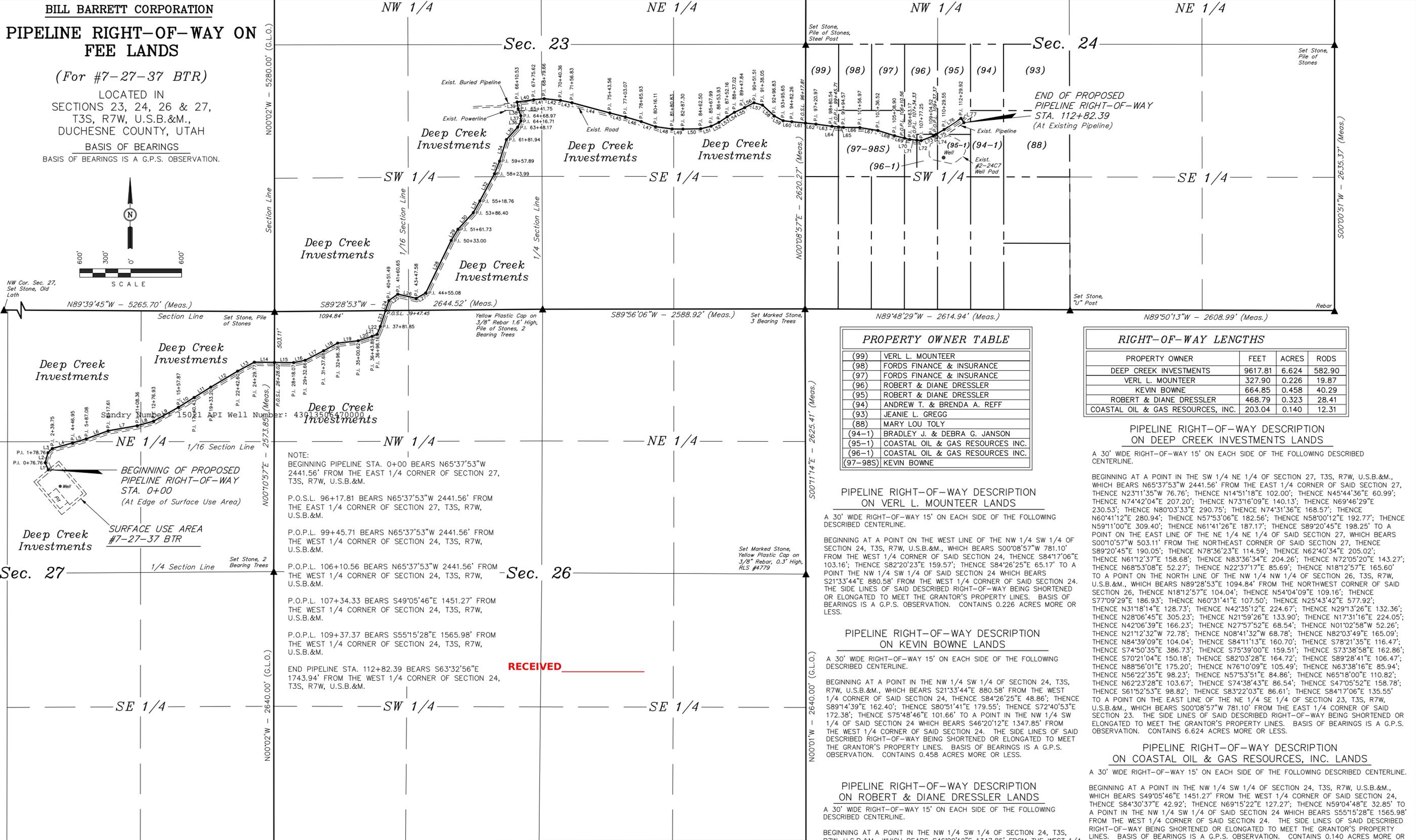
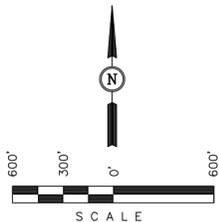
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 7-27-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013506470000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/11/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Pipeline Extension"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>This is being submitted as informational purposes that BBC is extending this proposed pipeline beyond what was initially approved within the approved permit to drill. This extension within Sec. 24, approximately 1664 feet in distance, occurs on fee surface and surface use agreements are in place with all owners. A Class III archaeology inventory was completed on this extension.</p> <p style="text-align: right;">Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</p>		
NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager
SIGNATURE N/A		DATE 5/10/2011

BILL BARRETT CORPORATION
PIPELINE RIGHT-OF-WAY ON
FEE LANDS

(For #7-27-37 BTR)

LOCATED IN
 SECTIONS 23, 24, 26 & 27,
 T3S, R7W, U.S.B.&M.,
 DUCHESNE COUNTY, UTAH

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



PROPERTY OWNER TABLE

(99)	VERL L. MOUNTEER
(98)	FORDS FINANCE & INSURANCE
(97)	FORDS FINANCE & INSURANCE
(96)	ROBERT & DIANE DRESSLER
(95)	ROBERT & DIANE DRESSLER
(94)	ANDREW T. & BRENDA A. REFF
(93)	JEANIE L. GREGG
(88)	MARY LOU TOLY
(94-1)	BRADLEY J. & DEBRA G. JANSON
(95-1)	COASTAL OIL & GAS RESOURCES INC.
(96-1)	COASTAL OIL & GAS RESOURCES INC.
(97-98S)	KEVIN BOWNE

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
DEEP CREEK INVESTMENTS	9617.81	6.624	582.90
VERL L. MOUNTEER	327.90	0.226	19.87
KEVIN BOWNE	664.85	0.458	40.29
ROBERT & DIANE DRESSLER	468.79	0.323	28.41
COASTAL OIL & GAS RESOURCES, INC.	203.04	0.140	12.31

PIPELINE RIGHT-OF-WAY DESCRIPTION ON DEEP CREEK INVESTMENTS LANDS
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

PIPELINE RIGHT-OF-WAY DESCRIPTION ON VERL L. MOUNTEER LANDS
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

PIPELINE RIGHT-OF-WAY DESCRIPTION ON KEVIN BOWNE LANDS
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

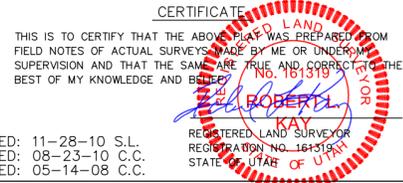
PIPELINE RIGHT-OF-WAY DESCRIPTION ON ROBERT & DIANE DRESSLER LANDS
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

PIPELINE RIGHT-OF-WAY DESCRIPTION ON COASTAL OIL & GAS RESOURCES, INC. LANDS
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

NOTE:
 BEGINNING PIPELINE STA. 0+00 BEARS N65°37'53"W 2441.56' FROM THE EAST 1/4 CORNER OF SECTION 27, T3S, R7W, U.S.B.&M.
 P.O.S.L. 96+17.81 BEARS N65°37'53"W 2441.56' FROM THE EAST 1/4 CORNER OF SECTION 27, T3S, R7W, U.S.B.&M.
 P.O.P.L. 99+45.71 BEARS N65°37'53"W 2441.56' FROM THE WEST 1/4 CORNER OF SECTION 24, T3S, R7W, U.S.B.&M.
 P.O.P.L. 106+10.56 BEARS N65°37'53"W 2441.56' FROM THE WEST 1/4 CORNER OF SECTION 24, T3S, R7W, U.S.B.&M.
 P.O.P.L. 107+34.33 BEARS S49°05'46"E 1451.27' FROM THE WEST 1/4 CORNER OF SECTION 24, T3S, R7W, U.S.B.&M.
 P.O.P.L. 109+37.37 BEARS S55°15'28"E 1565.98' FROM THE WEST 1/4 CORNER OF SECTION 24, T3S, R7W, U.S.B.&M.
 END PIPELINE STA. 112+82.39 BEARS S63°32'56"E 1743.94' FROM THE WEST 1/4 CORNER OF SECTION 24, T3S, R7W, U.S.B.&M.

LINE TABLE

LINE	DIRECTION	LENGTH									
L1	N23°11'35"W	76.76'	L17	N62°40'34"E	205.02'	L33	N21°59'26"E	133.90'	L49	S89°28'41"E	106.47'
L2	N14°51'18"E	102.00'	L18	N61°12'37"E	158.68'	L34	N17°31'16"E	224.05'	L50	N88°56'01"E	175.20'
L3	N45°44'36"E	60.99'	L19	N83°36'34"E	204.26'	L35	N42°06'39"E	166.23'	L51	N76°10'09"E	105.49'
L4	N74°42'04"E	207.20'	L20	N72°05'20"E	143.27'	L36	N27°57'52"E	68.54'	L52	N63°38'16"E	85.94'
L5	N73°16'09"E	140.13'	L21	N68°53'08"E	52.27'	L37	N01°02'58"W	52.26'	L53	N56°22'35"E	98.23'
L6	N69°46'29"E	230.53'	L22	N22°37'17"E	85.69'	L38	N21°12'32"W	72.78'	L54	N57°53'51"E	84.86'
L7	N80°03'33"E	290.75'	L23	N18°12'57"E	165.60'	L39	N08°41'32"W	68.78'	L55	N65°18'00"E	110.82'
L8	N74°31'36"E	168.57'	L24	N18°12'57"E	104.04'	L40	N82°03'49"E	165.09'	L56	N62°23'28"E	103.67'
L9	N60°41'12"E	280.94'	L25	N54°04'09"E	109.16'	L41	N84°39'09"E	104.04'	L57	S74°38'43"E	86.54'
L10	N57°53'06"E	182.56'	L26	S77°09'29"E	186.93'	L42	S84°11'13"E	160.70'	L58	S47°05'52"E	158.78'
L11	N58°00'12"E	192.77'	L27	N60°31'41"E	107.50'	L43	S78°21'35"E	116.47'	L59	S61°52'53"E	98.82'
L12	N59°11'00"E	309.40'	L28	N25°43'42"E	577.92'	L44	S74°50'35"E	386.73'	L60	S83°22'03"E	86.61'
L13	N61°41'26"E	187.17'	L29	N31°18'14"E	128.73'	L45	S75°39'00"E	159.51'	L61	S84°17'06"E	135.55'
L14	S89°20'45"E	198.25'	L30	N42°35'12"E	224.67'	L46	S73°38'58"E	162.86'	L62	S84°17'06"E	103.16'
L15	S89°20'45"E	190.05'	L31	N29°13'26"E	132.36'	L47	S70°21'04"E	150.18'	L63	S82°20'23"E	159.57'
L16	N78°36'23"E	114.59'	L32	N28°06'45"E	305.23'	L48	S82°03'28"E	164.72'	L64	S84°26'25"E	65.17'



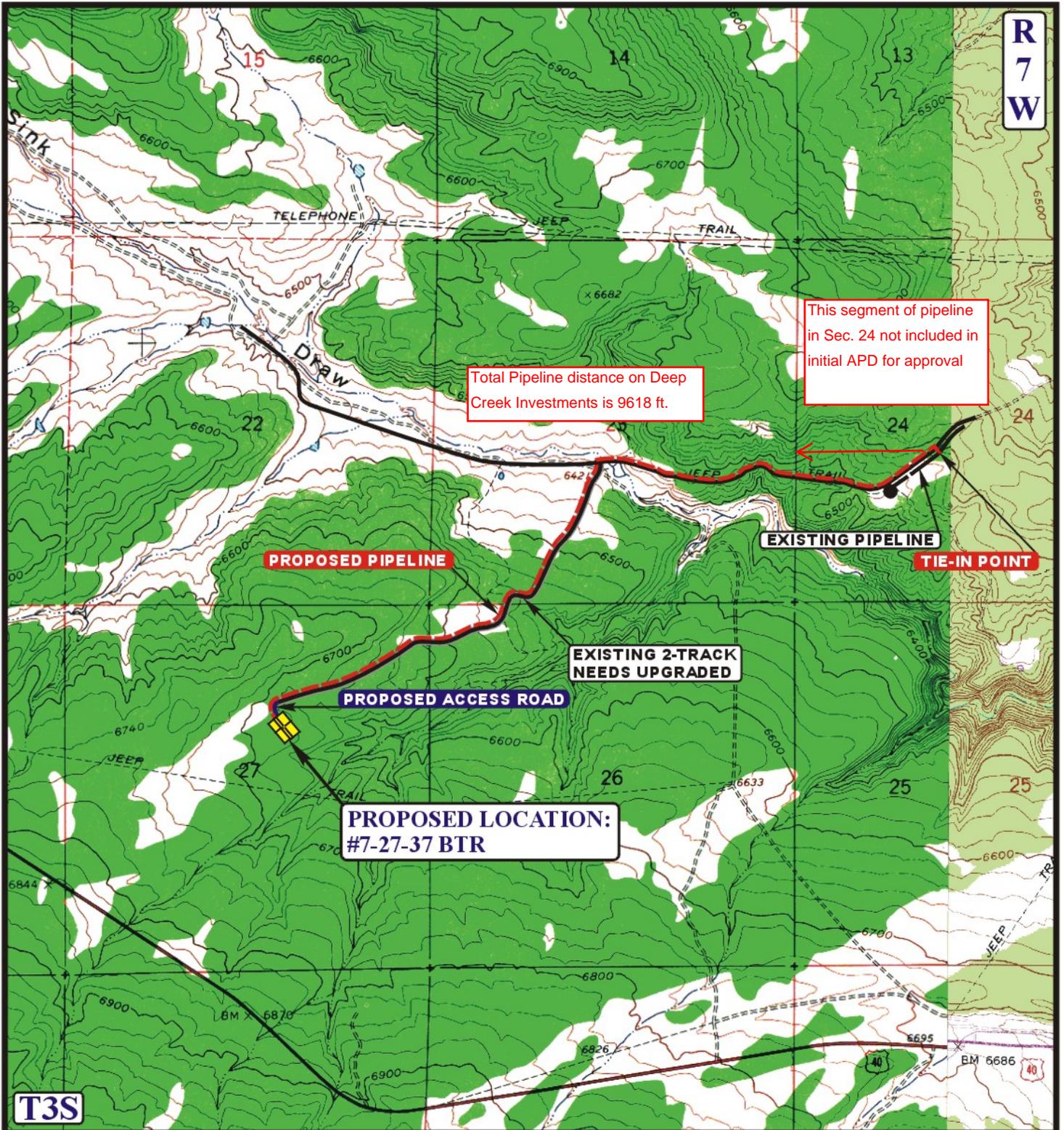
THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REVISOR: 11-28-10 S.L.
 REVISOR: 08-23-10 C.C.
 REVISOR: 05-14-08 C.C.

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

SCALE	1" = 600'	DATE	01-08-08
PARTY	A.F. B.A. P.M.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	3 2 5 6 4



APPROXIMATE TOTAL PIPELINE DISTANCE = 11,282' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE

BILL BARRETT CORPORATION

#7-27-37 BTR
SECTION 27, T3S, R7W, U.S.B.&M.
1742' FNL 2110' FEL



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



TOPOGRAPHIC
MAP

11 30 07
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.P.

REV: 11-18-10 J.J.

D
TOPO

RECEIVED

May. 10, 2011

11.9

STATE OF UTAH
COUNTY OF DUCHESNE

SURFACE LAND USE AGREEMENT

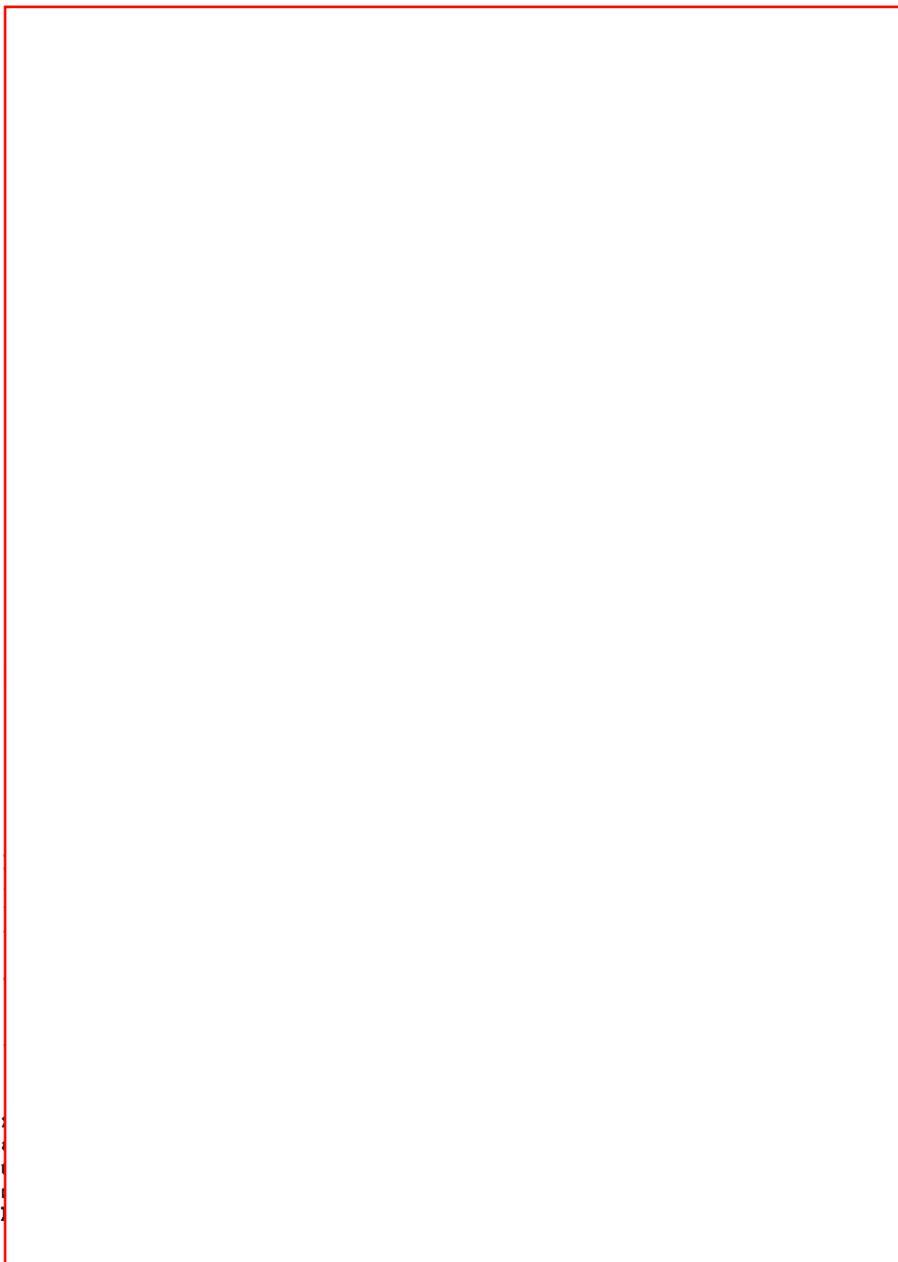
KNOW ALL MEN BY THESE PRESENTS, THAT:

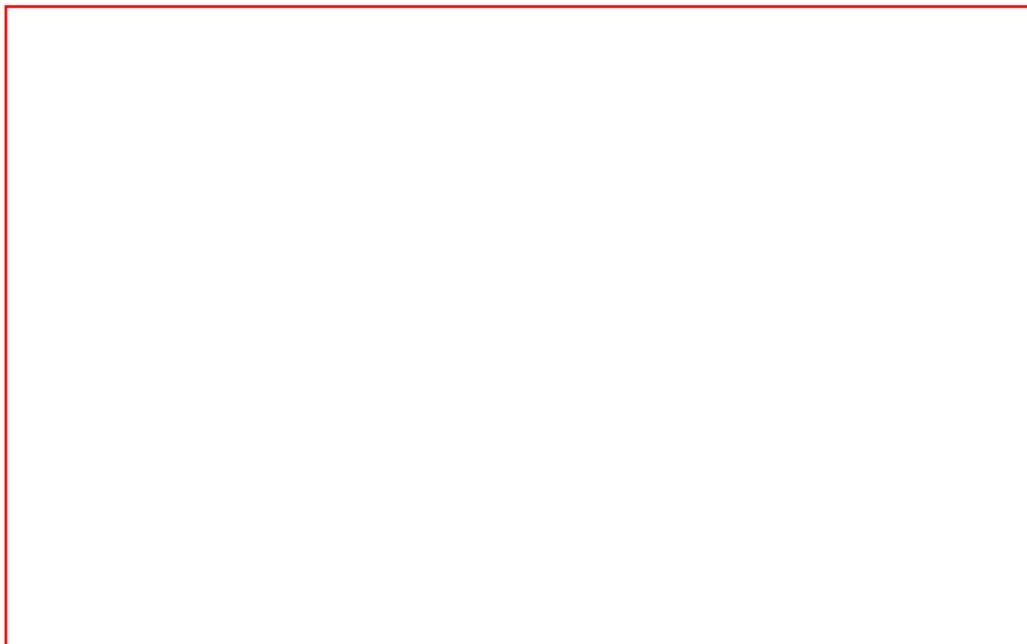
WHEREAS, Veri L. Mounteer, whose mailing address is PO Box 270008, Fruitland, UT 84027 (hereinafter referred to as GRANTOR), whether one or more, is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

TOWNSHIP 3 SOUTH, RANGE 7 WEST, USM

Section 24: Lot 99, Cedar Mountain Properties Subdivision Tract #9, Phase 2

See Exhibit "A"





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

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 3rd day of January, 2011.

GRANTOR:

By: 
Verl L. Mountee

Date: 1-11-11

GRANTEE:

BILL BARRETT CORPORATION

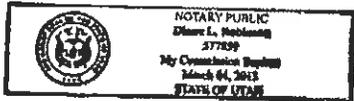
By: 
Clint W. Turner, as Agent for Bill Barrett Corporation

ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF DUCHESNE

On this 11th day of January, 2011, before me personally appeared Verl L. Mounster known to me to be the person who is described in and who executed the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal.



Diane L. Robinson
Notary Public
Residing at: Duchesne ut

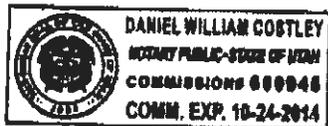
My Commission Expires: March 4, 2013

ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

On this _____ day of _____, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10-24-2014



Dan William Costley
Notary Public
Residing at:

STATE OF UTAH
COUNTY OF DUCHESNE

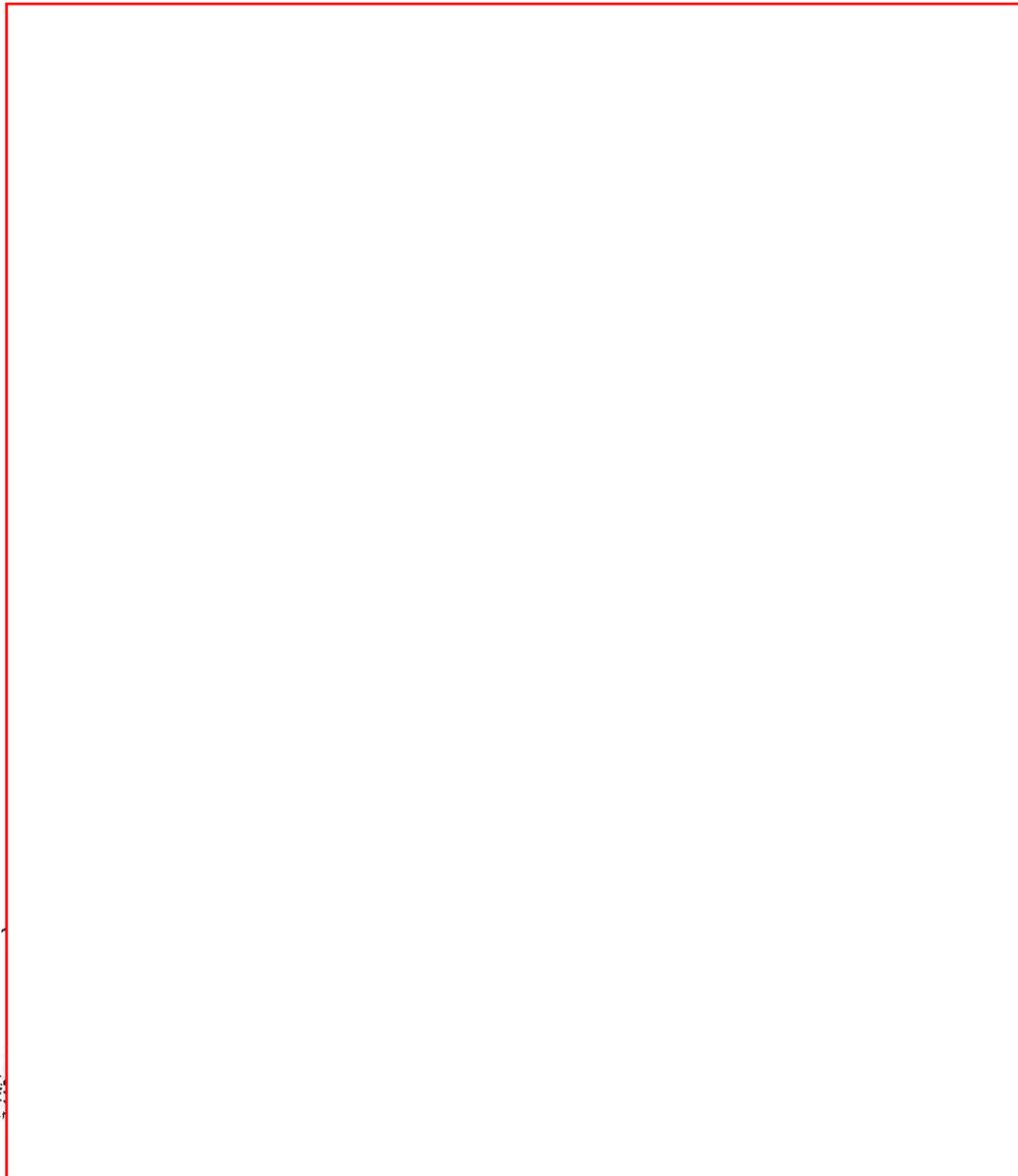
SURFACE LAND USE AGREEMENT

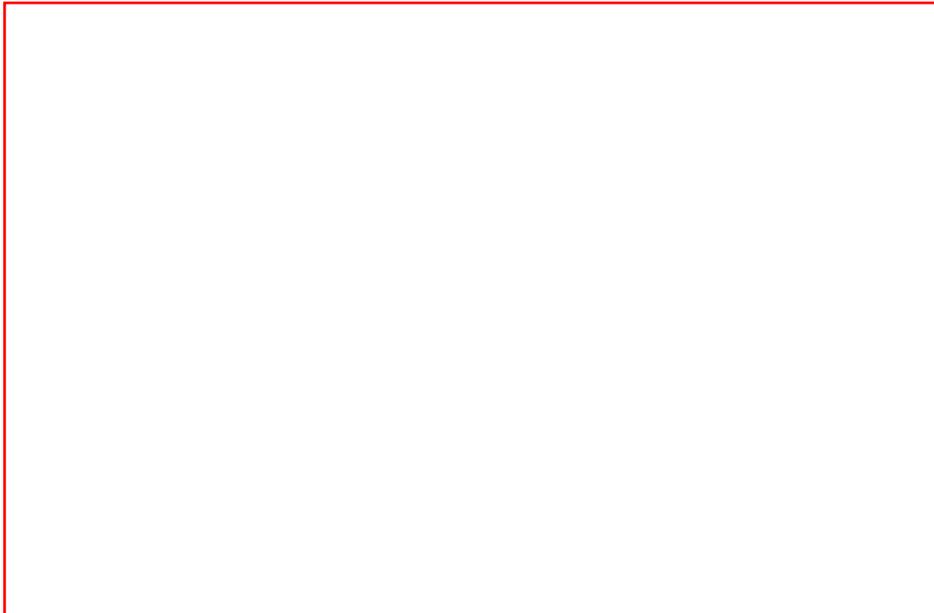
KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, Kevin Bowne, whose mailing address is 89 West 2700 South, Salt Lake City, UT 84115-3038 (hereinafter referred to as GRANTOR), whether one or more, is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

TOWNSHIP 3 SOUTH, RANGE 7 WEST, USM
Section 24: S1/2 of Lots 97 and 98, Cedar Mountain Properties Subdivision tract #9,
Phase 2

See Exhibit "A"





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

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 3rd day of January, 2011.

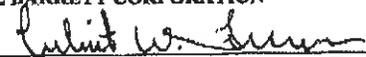
GRANTOR:

By: 
Kevin Bowne

Date: 2-7-11

GRANTEE:

BILL BARRETT CORPORATION

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

ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

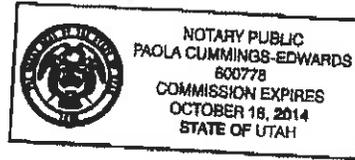
On this 07 day of February, 2011, before me personally appeared Kevin Bowne known to me to be the person who is described in and who executed the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal.

[Handwritten Signature]

Notary Public
Residing at:

My Commission Expires: Oct, 18, 2014



ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

On this 24 day of February, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10-24-2014

[Handwritten Signature]
Notary Public
Residing at:



12/10

**STATE OF UTAH
COUNTY OF DUCHESNE**

SURFACE LAND USE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, Robert Dressler and Diane Dressler, husband and wife, whose mailing address is 3985 South 5200 West, Salt Lake City, UT 84120-4435 (hereinafter referred to as GRANTOR), whether one or more), is the owner of the surface of the following described property located in Duchesne County, Utah, to-wit:

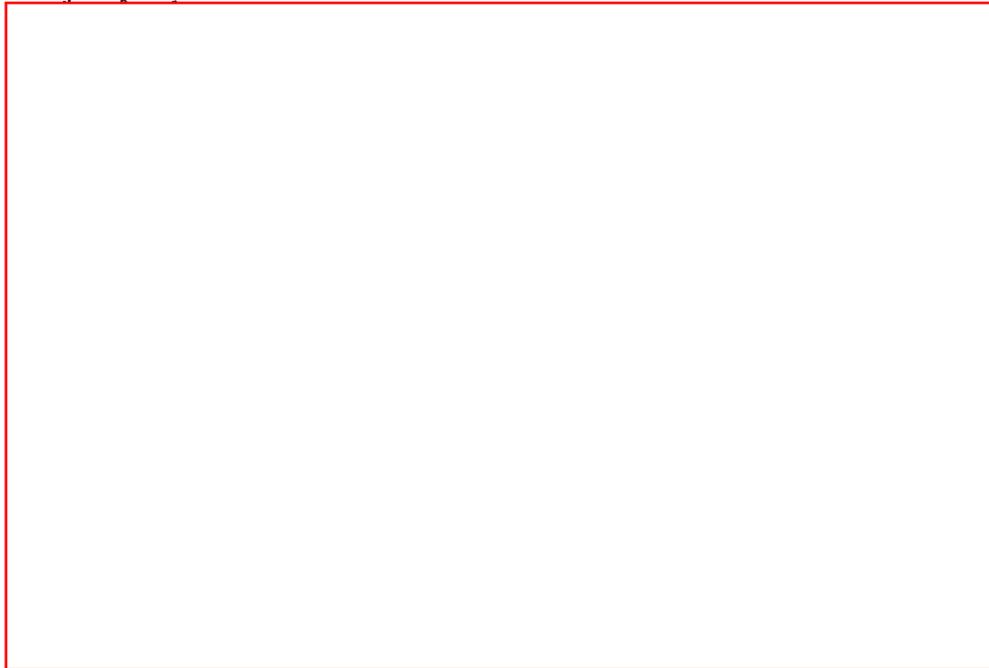
TOWNSHIP 3 SOUTH, RANGE 7 WEST, USM

Section 24: Lot 95, Cedar Mountain Properties Subdivision Tract #9, Phase 2, except the South 420 feet; and Lot 96, Cedar Mountain Properties, Subdivision Tract #9, Phase 2, except the East 203.98 feet of the South 420 feet.

See Exhibit "A"

WHEREAS, Bill Barrett Corporation., whose address is 1099 18th Street, Suite 2300, Denver, CO 80202 (hereinafter referred to as GRANTEE) desires to construct a pipeline or pipelines and appurtenances thereto for the transportation of natural gas, water, saltwater and other substances on a portion of said property.





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

IN WITNESS WHEREOF, this Surface Land Use Agreement is executed as of the dates of the respective acknowledgments of the parties hereto, but is effective as of the 3rd day of January, 2011.

GRANTOR:

By: Robert Dressler
Robert Dressler

By: Diane Dressler
Diane Dressler

Date: 29 Jan 2011

GRANTEE:

BILL BARRETT CORPORATION

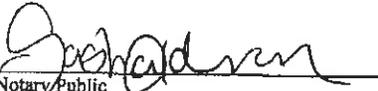
By: Clint W. Turner
Clint W. Turner, as Agent for Bill Barrett Corporation

ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

On this 29th day of JANUARY, 2011, before me personally appeared Robert Dressler and Diane Dressler, husband and wife known to me to be the persons who are described in and who executed the within instrument and acknowledged to me that they executed the same.

WITNESS my hand and official seal.


Notary Public
Residing at: SALT LAKE CITY

My Commission Expires: MARCH 20, 2013

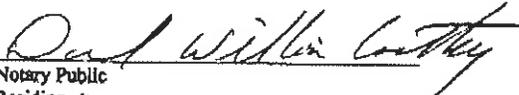


ACKNOWLEDGMENT

STATE OF UTAH
COUNTY OF SALT LAKE

On this 14 day of February, 2011, personally appeared before me Clint W. Turner, who, being by me duly sworn, did say that he is the Agent for Bill Barrett Corporation and that said instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors and said Clint W. Turner acknowledged to me that said corporation executed the same.

My Commission Expires: 10-24-2014


Notary Public
Residing at:



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608																														
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: 7. UNIT or CA AGREEMENT NAME:																														
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-27-37 BTR																															
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013506470000																															
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U	COUNTY: DUCHESNE STATE: UTAH																															
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION	TYPE OF ACTION																															
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/15/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
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<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted to request a change in the surface casing proposed for this well. Previous Surface Casing Proposed: 14 3/4-in hole, 10 3/4-in csg, 45.5# wt New Surface Csg Proposed: 12 1/4-in hole, 9 5/8-in csg, 36.0# wt Previous Surface Cement Proposed: Lead:790 sx Tail:360 sx New Surface Cement Proposed: Lead:450 sx Tail:210 sx A revised drilling plan hi-liting the changes is attached. BBC requests approval for these changes by 6/15/11.																																
Accepted by the Utah Division of Oil, Gas and Mining Date: <u>06/06/2011</u> By: <u><i>Derek Quist</i></u>																																
NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager																														
SIGNATURE N/A	DATE 5/19/2011																															

BILL BARRETT CORPORATION
DRILLING PLAN

7-27-37 BTR Well Pad

SWNE, 1742' FNL, 2110' FEL, Section 27, T3S, R7W, USB&M (surface hole)
SWNE, 1742' FNL, 2110' FEL, Section 27, T3S, R7W, USB&M (bottom hole)
Duchesne County, UT

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

<u>Formation</u>	<u>Depth – MD</u>
Lower Green River	5719'*
Douglas Creek	6565'
Black Shale	7215'
Castle Peak	7455'
Wasatch	8067'*
TD	10764'

*PROSPECTIVE PAY

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

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 3000'	No pressure control required
3000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 ¼"	surface	3000'	9 5/8"	36.0#	J or K 55	BT&C	New
9-7/8" & 8-3/4"	surface	TD	5 ½"	17#	P-110	LT&C	New
NOTE: In addition, 8 ¾" hole size may change to 7 7/8" at the point the bit is changed out.							

Bill Barrett Corporation
 Drilling Program
 7-27-37 BTR
 Duchesne County, Utah

5. Cementing Program

<u>Casing</u>	<u>Cement</u>
16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead with approximately 450 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. Top of lead estimated at surface. 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. Top of tail estimated at 2500'.
5 1/2" Production Casing	Lead with approximately 700 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). Top of lead estimated at 2500'. Tail with approximately 1090 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of tail estimated at 6715'.

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> (API filtrate)	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 3000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3000' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

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

Bill Barrett Corporation
Drilling Program
7-27-37 BTR
Duchesne County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 5429 psi* and maximum anticipated surface pressure equals approximately 3061 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

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

11. Drilling Schedule

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



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

2/18/2011

Well Name: 7-27-37 BTR

Surface Hole Data:

Total Depth:	3,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	1370.2	ft ³
Lead Fill:	2,500'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	450
--------------	-----

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

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

Production Hole Data:

Total Depth:	10,764'
Top of Cement:	2,500'
Top of Tail:	6,715'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1597.0	ft ³
Lead Fill:	4,215'	
Tail Volume:	1534.3	ft ³
Tail Fill:	4,049'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	700
# SK's Tail:	1090

7-27-37 BTR Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
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: 244.02 bbl
	Proposed Sacks: 450 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: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (6715' - 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: 4,215'
	Volume: 284.42 bbl
	Proposed Sacks: 700 sks
Tail Cement - (10764' - 6715')	
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: 6,715'
	Calculated Fill: 4,049'
	Volume: 273.25 bbl
	Proposed Sacks: 1090 sks

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 7-27-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013506470000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 6/19/2011	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER
		OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is to report that the well was spud on 06/19/2011 at 8:00 am.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 6/21/2011

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# TRIPLE A
Submitted By Venessa Langmach Phone Number 303-312-8172
Well Name/Number 7-27-37 BTR
Qtr/Qtr SWNE Section 27 Township 3S Range 7W
Lease Serial Number 2OG0005608
API Number 43-013-50647

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

Date/Time 06/19/2011 08:00 AM PM

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

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

RECEIVED
JUN 14 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
4301350647	7-27-37 BTR	SWNE	27	3S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number		Spud Date		Entity Assignment Effective Date
A	99999	18090		6/19/2011		6/29/11
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. <i>GR-WS</i>						

Well 2

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

Well 3

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

ACTION CODES:

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

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

6/23/2011

Title

Date

RECEIVED

JUN 27 2011

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# Patterson Rig 506
Submitted By Lawrence Lorenzen Phone Number 435-828-6095
Well Name/Number 7-27-37 BTR
Qtr/Qtr SW/NE Section 27 Township 3S Range 7W
Lease Serial Number 2OG0005608
API Number 43-013-50647

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

Date/Time _____ AM PM

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

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

RECEIVED

AUG 03 2011

DIV. OF OIL, GAS & MINING

Date/Time 8/4/2011 4:00 AM PM

BOPE

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

Date/Time 8/5/2011 4:00 AM PM

Remarks

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# Patterson Rig 506
Submitted By Lawrence Lorenzen Phone Number 435-828-6095
Well Name/Number 7-27-37 BTR
Qtr/Qtr SW/NE Section 27 Township 3S Range 7W
Lease Serial Number 2OG0005608
API Number 43-013-50647

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

Date/Time _____ AM PM

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

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

RECEIVED

AUG 28 2011

DIV. OF OIL, GAS & MINING

Date/Time 8/27/2011 9:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks

**#7-27-37 BTR 8/1/2011 06:00 - 8/2/2011 06:00**

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	22.00	04:00	1	RIGUP & TEARDOWN	Rig up
04:00	2.00	06:00	14	NIPPLE UP B.O.P	Weld on conductor

#7-27-37 BTR 8/2/2011 06:00 - 8/3/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	6	TRIPS	Pickup 12 1/4" Smith MI716 and Hunting 8" 4 stage 6/7 lobe 1.5* motor
08:00	0.50	08:30	2	DRILL ACTUAL	Drlg 96-124'
08:30	1.50	10:00	20	DIRECTIONAL WORK	Pickup 8" NMDC's with indes & antenna subs, orient dir tools.
10:00	9.00	19:00	2	DRILL ACTUAL	Drlg 124'-775', 651' in 9 hrs 72.5 fph, Max dev 1.47* Max DLS 2.65
19:00	0.50	19:30	7	LUBRICATE RIG	Rig Service
19:30	10.50	06:00	2	DRILL ACTUAL	Drlg 775'-1352' 577' in 10.5 hrs 55 fph, Max dev 1.13, Max DLS 1.95

#7-27-37 BTR 8/3/2011 06:00 - 8/4/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	Drlg 1352-1686' 334' in 6.5 hrs 51.4 fph, Sliding as needed. Max Dev 2*, Max DLS .77
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service
13:00	10.50	23:30	2	DRILL ACTUAL	Drlg 1686-2352' 666 in 10.5 hrs, 63.5 fph, sliding as needed, Max Dev .67*, Max DLS .67
23:30	0.50	00:00	5	COND MUD & CIRC	Lost circ app 115 bbls, mix and pump LCM, regained circ.
00:00	1.50	01:30	2	DRILL ACTUAL	Drlg 2352-2400' 48'
01:30	4.50	06:00	21	Work sticky pipe	Pipe sticky and packing off. Work pipe and circulate. Worked up app 32'. Pipe free, circulate and resume drilling @ 6:00am

#7-27-37 BTR 8/4/2011 06:00 - 8/5/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Drlg 2400-2425, Lost circulation
06:30	17.00	23:30	5	Lost circulation	Mix and pump LCM, 150 bbls @ 15%, no returns, Mix and pump 35% LCM pill and pull 8 stds, let soak 1 hr. Pump down pipe 1.5 times hole volume. No returns. Pump pill #2 no returns. POH lay down bit & motor, stand back MWD. TIH 12 1/4" insert bit with no jets. Bit @ 1650'. Mix and pump 120- bbl 50-60% LCM pill pump clear of drillpipe and wait 2 hrs. Pump 400 bbls mud. No returns.
23:30	2.50	02:00	2	DRILL ACTUAL	TIH, tag bottom. Attempt to Blind drill. Drilled 5' in 1.5 hr.
02:00	4.00	06:00	6	TRIPS	TOH to pickup Mud Motor, Breakdown 8" NMDC's and laydown, pickup shocksub. Put 3 16 jets in bit.

#7-27-37 BTR 8/5/2011 06:00 - 8/6/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	Make up BHA #2 with Reed R24AMP insert bit, TIH,
09:00	2.00	11:00	2	DRILL ACTUAL	Drlg 2429-2466', 37' in 2 hrs,
11:00	4.00	15:00	6	TRIPS	TOH, Pickup Sec FX65D PDC bit, TIH, Resume drilling
15:00	1.00	16:00	2	DRILL ACTUAL	Blind drill 2466-2499' 33' in 1 hr. Losing app 700 bbl/hr. Hadf sticky spots @ 2585 & 2595
16:00	0.50	16:30	7	LUBRICATE RIG	Rlg service
16:30	3.50	20:00	2	DRILL ACTUAL	Blind drlg 2499-2658' 159' in 3.5 hrs, Work tite spots @ 2626 & 2636
20:00	2.00	22:00	21	tite hole	Work severe tite spot @ 2636-2630
22:00	1.00	23:00	5	COND MUD & CIRC	Build 35% LCM pill and spot
23:00	4.00	03:00	6	TRIPS	TOH laydown bit & motor, TIH open ended, to 2003'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
03:00	3.00	06:00	5	COND MUD & CIRC	Buid 60% LCM pill and spot and let soak for 2 hrs. Build another pill while waiting.

#7-27-37 BTR 8/6/2011 06:00 - 8/7/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	5	COND MUD & CIRC	Mix and pump 100 bbl LCM pill. Regained circulation while pumping pill. Pull 5 stds (EOP 1700') Mix mud and circulate, 20% LCM, 8.45#, 43 vis. TOH and pickup drilling assembly. TIH.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service
17:30	4.50	22:00	2	DRILL ACTUAL	Drlg 2656-2824', 168' in 4.5 hrs. 37 fph. Lost returns again at 2824'.
22:00	6.50	04:30			Mix and pump LCM, Spot LCM pill on Bottom, Pull 8 stds and let soak 2 hrs. Pump 1.5 times hole volume, No returns, Spot Pill #2,
04:30	1.50	06:00			TOH and stand back drilling assembly,

#7-27-37 BTR 8/7/2011 06:00 - 8/8/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	6	TRIPS	TOH, stand back drlg assembly, TIH open ended to 2404'.
08:00	9.50	17:30	5	COND MUD & CIRC	Mix and pump 3 105 bbl 60% LCM sweeps, Let pill #1 soak 2 hrs, Pump pill #2, No returns. Mix and pump pill #3, still no returns.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service
18:00	6.00	00:00	5	COND MUD & CIRC	Build DIASEAL M pill 45 ppb diaseal, 20 ppb LCM. TOH to wet pipe, 5 jts, Static fluid @ app 160' from sfc. TIH Pump 100 bbls down annulus from active system. Pump pill down drillpipe. Displace with mud from active system @ 1 bpm, pumped 65 bbls.
00:00	0.50	00:30	6	TRIPS	TOH 10 stds
00:30	5.00	05:30	5	COND MUD & CIRC	Wait on slurry 2 hrs. Attempt to circulate from active system. No returns. TIH, Clean pill tank, mix DIASEAL pill and prep to pump
05:30		05:30			

#7-27-37 BTR 8/8/2011 06:00 - 8/9/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	5	COND MUD & CIRC	Mix and pump DIASEAL pill #2, dsplace out of drillpipe @ 1 bpm, squeeze into formation @ 1 bbl/5min. No pressure @ surface. Pull 10 stds. Wait 2 hrs, attempt to circulate, no returns.
16:00	1.50	17:30	2	DRILL ACTUAL	Blind drlg, 2824-2877'.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service
18:00	6.00	00:00	2	DRILL ACTUAL	Blind drlg 2877-3078'
00:00	2.00	02:00	5	COND MUD & CIRC	Build high vis sweep. and pump.
02:00	3.50	05:30	6	TRIPS	TOH, work tite hole 2627-2619'
05:30	0.50	06:00	12		Rig up casing crew

#7-27-37 BTR 8/9/2011 06:00 - 8/10/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	Laydown 8" BHA
06:30	6.00	12:30	12	RUN CASING & CEMENT	rig up csg crew and run 73 jts 9 5/8" 36# J55 csg with float equipment and Davis Lynch DV tool @ 1980'. Land @ 3074'
12:30	0.50	13:00	7	LUBRICATE RIG	Rig service



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	17.00	06:00	12	RUN CASING & CEMENT	Rig up HES, HSM, Pressure test and pump first stage of cmt job. Pump 40 bbl superflush, 10 bbl fresh water spacer, then 485 sks 14.8# drop wiper plug and displace with mud. Built 360# lift pressure, bump plug to 875#, Bleed off, floats held. Drop bomb to open stage collar. Collar opened @ 650#, No circulation, Wait 1 hr, still no circ. Pump 2nd stage 500 sks 11#, no circ at all. Displace and bump plug to 1500#, tool closed. bleed back 2 bbls, 0 pressure. Pickup 200' 1" pipe for top out. Pump 150 sk top job. no cement to surface, annulus on strong vacuum. wait 2 hrs, Pump another 150 sks, no cmt. annulus slight vacuum. POOH with 1" tbq. Order more cmt. WOC.

#7-27-37 BTR 8/10/2011 06:00 - 8/11/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	12	RUN CASING & CEMENT	Waiting on cmt. Pour LCM down annulus slowly. 25 ecoseal & 5 polyswell. Run back in hole with 200' of 1". Pump 135 sks, (28 bbls) 15.8# w/ 2% cal. 8 bbls cmt to sfc.
08:30	4.00	12:30	13	WAIT ON CEMENT	Watch for 4 hrs, cmt fell app 22 ft, Check again after 12 hrs. No change. Top out with 3 sks concrete.
12:30	6.50	19:00	14	NIPPLE UP B.O.P	Slack off, cut conductor & csg, Weld on csg head and pressure test. N/U BOP
19:00	5.00	00:00	15	TEST B.O.P	Test BOP as follows; pipe rams, blind rams, kill line valves, HCR valves, floor safety valves, choke manifold to 5000#. Test annular to 2500# and csg to 1500#. Test upper and lower Kelly valves to 5000#
00:00	3.00	03:00	6	TRIPS	Pickup Smith FDS+, milltooth bit and straight 6 3/4" MM. TIH tag @ 1970'

#7-27-37 BTR 8/11/2011 06:00 - 8/12/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	22	OPEN	Drill cement and DV tool. Tag cement at 1970'.
07:00	0.50	07:30	6	TRIPS	TIH to TOC. Tag at 3029'.
07:30	0.50	08:00	22	OPEN	Drill cement, float collar and float shoe. Drilled firm cement.
08:00	1.00	09:00	2	DRILL ACTUAL	Drill from 3078' to 3095'.
09:00	0.50	09:30	5	COND MUD & CIRC	Circ x cond mud. Pump hi vis pill.
09:30	0.50	10:00	22	OPEN	Conduct FIT. Unable to hold any pressure with FIT.
10:00	0.50	10:30	7	LUBRICATE RIG	Rig Service. Function test pipe rams.
10:30	5.00	15:30	5	COND MUD & CIRC	Cir x Cond mud. Waiting on cement retainer.
15:30	0.50	16:00	22	OPEN	Attempt second FIT. Mix x pump 30% LCM high vis pill. Spot x PU. Held 125 psig. 9.2 PPG EMW. Test too low.
16:00	6.50	22:30	6	TRIPS	TOOH to PU cement retainer. Function test blind rams while MU EZSV. PU cement retainer x TIH. Set EZSV at 2965'. Pressure test drill pipe to 1500 psig. Pressure test DV tool/casing to 1500 psig. Both tests good. Complete setting procedure and pull out of tool.
22:30	5.50	04:00	18	SQUEEZE CEMENT	RU Halliburton. Safety meeting for squeeze operation. Test lines to 3000 psig. ok. Establish injection rate at 1/2 bpm @ 475 psig. Establish injection rate at 1 bpm @ 580 psig. Bleed pressure and pull out of retainer. Mix and pump 35 bbls of Class G @ 15.8 ppg. Hold 1500 psig backpressure thru squeeze manifold. Pump 15 bbls cement without returns and minimum pressure on manifold. Drill pipe on vacuum. Shut down and sting into retainer. Begin pumping. DP on vacuum. Catch at 3 bpm with 38 bbls displaced @ 80 psig. Shut down for 10 min. Pressure bled to zero. Pump 1.5 bbls at .5 bpm. Pressure 100 psig, bled to zero in 5 minutes. Pump 1.5 bbls @ 1/2 bpm. Pressure 130 psig. Bled to zero in 20 min. Pressure to 160 psig @ 1/4 bpm with 3/4 bbl pumped. SD for 20 min. 1/2 bbl pumped, pressure to 200 psig. Shut down for 20 min. Pressure 15 psig after 20 min. Pump 1/2 bbl, pressure 280 psig. At limit of Blend Test results. Pull out of retainer. Reverse out 60 bbls (1-1/2 string volumes). POOH 5 stands. Total of 42.5 bbls of displacement pumped, putting TOC at approx. 2997' leaving 78' of cement in casing.
04:00	2.00	06:00	13	WAIT ON CEMENT	Wait on cement.

#7-27-37 BTR 8/12/2011 06:00 - 8/13/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	13	WAIT ON CEMENT	Wait on cement.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	1.50	13:30	6	TRIPS	RIH x sting into retainer. RU Halliburton squeeze manifold. Pump into squeeze. Pressure to 570 psig. Bled to 500 psig in 10 minutes. Repeat test. Same results. RD Halliburton.
13:30	3.50	17:00	6	TRIPS	PU mill tooth bit on DC's and TIH. Tag retainer and break circulation.
17:00	8.50	01:30	22	OPEN	Drill retainer and hard cement. Discrepancy in pipe tally. STRIP to HWDP and confirm pipe tally. TIH and drill hard cement. Well taking some fluid. (50-60 bph). Bit stopped drilling at 3038' in casing.
01:30	3.50	05:00	6	TRIPS	TOH to check bit. Metal wedged in cones on bit. Clear bit. Cones and bearings ok. Cutters ok. TIH.
05:00	1.00	06:00	22	OPEN	Drilling on reatiner/firm cement.

#7-27-37 BTR 8/13/2011 06:00 - 8/14/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	2	DRILL ACTUAL	Finish drilling cement in casing. Drill from 3074' to 3105'. Soft cement from 3074' to 3095'. Drilled 10' new formation.
07:30	4.00	11:30	5	COND MUD & CIRC	Mix x pump 30 bbls hi vis LCM pill. Spot on bottom. Test to 300+ psig (10.3 ppg). Test good. PU 2 stands. Circ and Cond fluid. Mud up system. Spot hi vis/LCM pill on bottom and prep to trip.
11:30	1.50	13:00	6	TRIPS	TOOH to change bit and BHA.
13:00	1.50	14:30	20	DIRECTIONAL WORK	LD mill tooth bit and BS. PU PDC bit, motor and directional tools. Orient tools.
14:30	2.50	17:00	6	TRIPS	TIH.
17:00	1.00	18:00	2	DRILL ACTUAL	Drill from 3105' to 3129'. Hole stable.
18:00	0.50	18:30	22	OPEN	Lost full returns. Build volume and bring LCM to 15% - 20%.
18:30		18:30	2	DRILL ACTUAL	Start to drill under controlled conditions. Recovered returns (95%). Control drill/slide from 3129' to 3457'. Hole taking fluid at manageable rate. Total loss to hole last 24 hrs. is 700 bbls. Control drill until collars are buried.

#7-27-37 BTR 8/14/2011 06:00 - 8/15/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	Control drill/slide from 3457' to 3521'. Remove drilling controls, collars below shoe.
08:00	3.50	11:30	2	DRILL ACTUAL	Drill/slide from 3521' to 3679'.
11:30	0.50	12:00	7	LUBRICATE RIG	Rig Service. Function test pipe rams. Measure slow pump rates for both pumps.
12:00	12.00	00:00	2	DRILL ACTUAL	Drill/slide from 3679' to 3901'. Lost full returns at 3901'. Regained returns. Drill ahead with reduced pump rate. Drill/slide from 3901' to 4221'. Hole appears to be stabilizing and is not taking large amounts of fluid.
00:00	6.00	06:00	2	DRILL ACTUAL	Drill/slide from 4221' to 4536'. Total 24 hour losses to hole 500 bbls.

#7-27-37 BTR 8/15/2011 06:00 - 8/16/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drill/slide from 4536' to 4770'. Well taking fluid at higher rate. Shut down one pump at 4826'. Bring LCM up to 20% from 15%. Drill/slide from 4826' to 4981'.
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service. Function check pipe rams. Run slow pump rates on each pump: #1: 250 psig @ 53 spm; #2 250 psig @ 52 spm with 8.8 mud at 4981'.
16:30	1.50	18:00	2	DRILL ACTUAL	Drill/slide from 4981' to 5044'. Conduct BOP drill.
18:00	12.00	06:00	2	DRILL ACTUAL	Drill/slide from 5044' to 5457'. Several slides of 1 hour. Maintain 18% - 20% LCM. Seepage losses only with occasional partial loss of returns. Total lost downhole - 350 bbls last 24 hours.

#7-27-37 BTR 8/16/2011 06:00 - 8/17/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	2	DRILL ACTUAL	Drill/slide from 5457' to 5743'.
14:30	0.50	15:00	7	LUBRICATE RIG	Rig service. Function test pipe rams. Conduct BOP drill.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	15.00	06:00	2	DRILL ACTUAL	Drill/slide from 5743' to 6219'. Multiple 20'+ sets to maintain direction. Total 200 bbls lost to hole.

#7-27-37 BTR 8/17/2011 06:00 - 8/18/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	2	DRILL ACTUAL	Drill/slide from 6219' to 6377'.
10:30	0.50	11:00	7	LUBRICATE RIG	Rig Service. Conduct BOP drill. Function test pipe rams.
11:00	13.50	00:30	2	DRILL ACTUAL	Drill/slide from 6377' to 6702'. Hole stable.
00:30	1.00	01:30	8	REPAIR RIG	Replace rotary chain.
01:30	4.50	06:00	2	DRILL ACTUAL	Drill/slide from 6702' to 6789'. Mud lost past 24 hours - 100 bbls. Reduce LCM to 8 - 10%. Hole appears stable. Conduct BOP drill.

#7-27-37 BTR 8/18/2011 06:00 - 8/19/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	2	DRILL ACTUAL	Drill/slide from 6789' to 6948'. 45k drag with 20 k squat. Prep for wiper trip.
10:30	1.00	11:30	6	TRIPS	Circ BU. Make 10 stand STRIP. Hole appears good on way out. Start back in hole.
11:30	0.50	12:00	3	REAMING	Tight spot 1 stand from bottom (6711' - 6756'). Ream across tight spot.
12:00	1.00	13:00	6	TRIPS	Finish to bottom. Circ BU. BU gas 1286 units.
13:00	0.50	13:30	7	LUBRICATE RIG	Rig service. Conduct BOP drill. Function test pipe rams. Function test annular preventer.
13:30	16.50	06:00	2	DRILL ACTUAL	Drill/slide from 6948' to 7361'. Install screens in shakers and begin shakeout of LCM. Hole standing full with no losses. Drag reduced 30K # from before short trip. Drag trend increasing during morning tour.

#7-27-37 BTR 8/19/2011 06:00 - 8/20/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Drill/slide from 7361' to 7584'. Putting 20' - 30' slides to hold angle and azimuth. Longer sets approaching Castle Peak.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service. BOP drill. Function test pipe rams.
18:00	1.50	19:30	2	DRILL ACTUAL	Drill/slide from 7584' to 7615'. Final set above Castle Peak.
19:30	10.50	06:00	2	DRILL ACTUAL	Drill from 7615' to 8028'. Angle dropping and direction holding thru Castle Peak and Uteland Butte.

#7-27-37 BTR 8/20/2011 06:00 - 8/21/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013506470000	UT	DUCHESNE	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	Drill from 8028' to 8217'.
12:00	0.50	12:30	7	LUBRICATE RIG	Rig service. BOP drill. Function test pipe rams.
12:30	5.50	18:00	2	DRILL ACTUAL	Drill from 8217' to 8281'. Slide from 8281' to 8296'. Drill from 8296' to 8333'. Lost full returns. Transfer mud from premix tank (20% LCM) and pump down hole at reduced rate. Hole starting to seal with LCM. Go back to drilling with 50% returns. Control drill from 8333' to 8376'. 80%+ returns.
18:00	10.00	04:00	6	TRIPS	Attempt to take survey at survey point. Unable to take survey. Battery dead. Circ BU and prepare slug to TOH. Slug pipe and TOO to change MWD, motor and look at bit. LD motor and change out MWD tool. Change out bit. Test motor prior to TIH. OK. TIH to casing shoe.
04:00	1.50	05:30	9	CUT OFF DRILL LINE	Slip and cut 165' drill line.
05:30	0.50	06:00	6	TRIPS	Fill pipe and break circulation. Fill up line pressured up to 1800 psig. Bleed back and pressure a second time to 900 psig. Unable to circ. Break loose pump in sub and allow air to migrate up drill pipe. Prep to kelly up and pump down drill pipe. Pipe plugged. LD kelly and POOH to check for plugged motor.

**#7-27-37 BTR 8/21/2011 06:00 - 8/22/2011 06:00**

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	6	TRIPS	Finish out of hole. String wet to top of motor. Pump thru motor. Motor not plugged, full flow. Check MWD. MWD tool plugged entire length of tool. Pull tool and flush all directional tools.
10:00	2.00	12:00	20	DIRECTIONAL WORK	Reorient directional tools x run in hole on motor (1.83 deg). Circ across wellhead and condition mud. Raise vis to 43-45 sec. in pits. Test MWD. Signal good and test successful.
12:00	7.50	19:30	6	TRIPS	TIH with drill collars. Blow kelly clear and break circ thru collars. Vis out from hole 35 sec. vis in 45. TIH with HWDP. Break circ and circ out. Vis out 43, in 45. Continue in hole to 2900'. Break circ. Circ BU. Continue in hole to 5700'. Circ BU. Continue in hole to TD. Circ BU. Circ and cond mud in pits with gunlines and by circ over wellhead while tripping. Take surveys missed before trip. At 8376' vis in 40; out 53.
19:30	10.50	06:00	2	DRILL ACTUAL	Drill/slide from 8376' to 8702'. 1 - 20' slide.

#7-27-37 BTR 8/22/2011 06:00 - 8/23/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drill/slide from 8702' to 8947'.
16:00	0.50	16:30	8	REPAIR RIG	Rig service. BOP drill. Function test pipe rams.
16:30	7.50	00:00	2	DRILL ACTUAL	Drill/slide from 8947' to 9278'. Seepage losses increasing. Pull screens from shakers and begin building LCM percentage to 15%. Lost returns. PU and slow down pumps.
00:00	2.00	02:00	5	COND MUD & CIRC	Transfer mud from premix and water from reserve pit. Reduce pump to 50 spm. Build x pump 64 vis, 25% LCM pill. Displ at 3.5 bpm. Hole not taking as much fluid as before. Circ at 3.5 bpm while building volume and adding LCM. Target 15% in active system. System beginning to gain volume. Reload premix tank and build mud. Hole not taking fluid. Lost approximately 460 bbls.
02:00	4.00	06:00	2	DRILL ACTUAL	Bring pumps to 325 gpm and control drill. Limit ROP to 50 fph and WOB to 20K. 5500 units bg gas. Well not flowing. Turn mud to buster and flare gas. Bring pumps to 410 gpm and continue to control drill. Shakers bypassed and dusting mud with barite. Slowly bring MW to 9.0 ppg and check for losses. Increase MW to 9.1 ppg while drilling. Check for flow and losses. Control drill from 9278' to 9367'. Background is 4200 to 5000 units. MW in 9.1/ out 8.8+. 15' flare. Drilling ahead while leveling out system and equalizing weights.

#7-27-37 BTR 8/23/2011 06:00 - 8/24/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	2	DRILL ACTUAL	Drill from 9367' to 9424'. BG gas 4700 - 5100 units. Conn gas 5700 unit. Mud thru buster x to flare. Top reamer below loss zone. Drill/slide from 9424' to 9487'. BG gas increased to 5400 unit. MW in 9.3 ppg/out 8.8+ ppg.
11:30	3.50	15:00	5	COND MUD & CIRC	Circ x cond mud. Bring entire system to 9.2 ppg. Unable to bring mud wgt out of hole above 8.8+ ppg. Surface system has 9.4 mud.
15:00	0.50	15:30	2	DRILL ACTUAL	Slide from 9487' to 9493'. Lost full returns.
15:30	14.50	06:00	5	COND MUD & CIRC	SD one pump, cut rate to 50 spm on second pump, PU and attempt to regain circulation. Pump 25% LCM pill. Let sit. Could not regain returns. Build volume. Pump second pill. Pull 10 stands. Wait one hour while building LCM pill (100 bbls @ 30%). Pump 3d LCM pill. Pressure built to 362 psig during displacement. SD pumps, wait 15 min. Pull 10 stands slowly x wait 1 hour. Fill hole on backside with fresh water. 34 bbls - fluid level in casing is at 600'. Attempt to circ at 7584'. Unable to circ. Pull additional 20 stds x fill backside with water. 34 bbls to fill (pipe displacement for 20 stands). Attempt to circ at 5693'. Unable to circ. Circ water across wellhead. Backside full. Build surface volume to 800 bbls @ 40-42 vis/10% LCM/8.7-8.8 ppg. Build LCM pill @ 60-65 vis/30% LCM/8.9 ppg. Prep to TIH to 9000'. Conducted rig service while building volume. Function tested pipe rams. Total mud lost - 1200 bbls.

#7-27-37 BTR 8/24/2011 06:00 - 8/25/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	6	TRIPS	TIH to 9000'. Full returns while TIH.	
08:00	9.00	17:00	5	COND MUD & CIRC	Break circulation at 9000'. Full returns with a large amount of gas. Attempt to circ out. Well taking fluid and kicking. Put well on choke. Pump multiple 30% LCM pills while bringing mud weight to 9.0 ppg. Stabilize well and circulate with full returns. Gas between 3000 and 6500 units. Shut down and check for flow. No flow. Take well off choke and open annular. Circ out thru buster.	
17:00	1.00	18:00	6	TRIPS	TIH to TD. Tag up 70' from bottom and wash to bottom. Full returns. Fill is packed LCM. Circ out with increasing LCM values.	
18:00	1.50	19:30	5	COND MUD & CIRC	Stabilize MW at 9.0+ ppg. Wash and ream to bottom. Tight hole. Add DAP and polymer to inhibit shales. Work pipe. Drag reduced and tight hole minimized.	
19:30	10.50	06:00	2	DRILL ACTUAL	Drill from 9493' to 9741'. Hole stable.	

#7-27-37 BTR 8/25/2011 06:00 - 8/26/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	10.00	16:00	2	DRILL ACTUAL	Drlg 9471-10027', 556' in 10 hrs. 55.6 fph, Final survey @ 9973', inc.2.23*, Azimuth 189.1 DLS 1.01	
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service, function test BOP	
16:30	1.50	18:00	5	COND MUD & CIRC	Circulate and condition for wiper trip	
18:00	1.50	19:30	6	TRIPS	Make 10 std wiper trip. First 2 stds pulled @ 30-50 over string wt. Remainder pulled 15-20k over. All went in smoothly	
19:30	3.50	23:00	5	COND MUD & CIRC	Circulate and condition for logs. HES called. Loggers hr'd out till 1:00 am. should be on location @ 5:00 am.	
23:00	7.00	06:00	6	TRIPS	TOH, Laydown all directional equip, stabilizers and MM	

#7-27-37 BTR 8/26/2011 06:00 - 8/27/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.50	17:30	11	WIRELINE LOGS	Rig up HES and log well. Loggers TD 10028'. Ran Volume log, Dual spaced neutron, spectral density, dual laterolog and compensated natural gamma-ray., rig down loggers.	
17:30	0.50	18:00	21	OPEN	Pull wear bushing	
18:00	4.00	22:00	6	TRIPS	Pickup 8 3/4 milltooth bit and TIH. Staging and circulating at the sfc casing shoe and 6000'.	
22:00	3.00	01:00	5	COND MUD & CIRC	Lost 200 bbls @ 6000'. Mix and pump LCM. Got it healed up.	
01:00	3.50	04:30	6	TRIPS	Trip in hole to TD 10027'.	
04:30	1.50	06:00	5	COND MUD & CIRC	Circulate @ 60 stks, lost app 90 bbls, Mix and pump LCM, Well holding fluid.	

#7-27-37 BTR 8/27/2011 06:00 - 8/28/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	5	COND MUD & CIRC	Mix and pump LCM, Lost circ healed up. Pump pill. Rig up laydown machine while circulating	
08:00	8.00	16:00	6	TRIPS	LDDP & BHA, Hole took proper amount of mud.	
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service, Function test BOP	
16:30	12.50	05:00	12	RUN CASING & CEMENT	Rig up csg crew, run 231 jts 5.5" 17# P110 casing with float equipment and DV tool @ 7100'. Fill pipe and break circulation every 1500'. Circulated good each time. Tag bottom @ 10027'. Rig down casers.	
05:00	1.00	06:00	5	COND MUD & CIRC	Circulate csg and shake out LCM	

#7-27-37 BTR 8/28/2011 06:00 - 8/29/2011 06:00

API/UWI 43013506470000	State/Province UT	County DUCHESNE	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	5	COND MUD & CIRC	Finish circulating out gas and shaking out LCM. Down to app 5% lcm. Well hold holding fluid good.	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
08:00	10.00	18:00	12	RUN CASING & CEMENT	HSM w/HES, rig up to csg and pressure test lines to 5000#. pump stage 1 as follows; 5 bbls water, 40 bbls superflush, 10 bbls water; 630 sks 13.5# econocem (160.5 bbls) Displace with 238 bbls water with cla-web and biocide. Had 1300# lift pressure. Bump plug to 2800#. Bleed of and check floats. Drop bomb to open stage tool. let fall 20 min. Pressure up. Tool opened @ 1350#. Circulated immediately. Hook up rig pump and circulate at 300 gpm for 4.5 hrs. Pump stage 2 as follows; 10 bbls water, 855 sks (353 bbls) 11# tuned light, 100sks 15.8# G (20.5 bbls) displace with 173 bbls water with cla-web and biocide. Lost returns 140 bbls into displacement. Bump plug 1500 over to close DV tool. Bleed off and check DV tool. Closed good.
18:00	2.00	20:00	14	NIPPLE UP B.O.P	N/D BOP, Set slips @ 180k, (30k over string wt)
20:00	4.00	00:00	21	OPEN	Clean pits and begin rig down. Rig released @ midnite

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
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:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-27-37 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013506470000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/19/2011	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well had first gas sales on 9/19/2011 and first oil sales on 9/23/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 9/26/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 7-27-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013506470000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2011	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR
		<input type="checkbox"/> CHANGE WELL NAME
		<input type="checkbox"/> CONVERT WELL TYPE
		<input type="checkbox"/> NEW CONSTRUCTION
		<input type="checkbox"/> PLUG BACK
		<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
		<input type="checkbox"/> TEMPORARY ABANDON
		<input type="checkbox"/> WATER DISPOSAL
		<input type="checkbox"/> APD EXTENSION
		OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Attached is the September 2011 monthly drilling activity report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 10/5/2011

**7-27-37 BTR 9/1/2011 06:00 - 9/2/2011 06:00**

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Prod. Crews Working On Facilities, Start Spotting In Frac Line

7-27-37 BTR 9/2/2011 06:00 - 9/3/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Prod. Crews Working On Facilities, Finish Spotting In Frac Line

7-27-37 BTR 9/3/2011 06:00 - 9/4/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI
08:00	1.50	09:30	SRIG	Rig Up/Down	Unload 357 Jts. of 2 7/8" L80 EUE tbg.
09:30	2.00	11:30	SRIG	Rig Up/Down	Spot & RU w/o rig.
11:30	1.00	12:30	BOPI	Install BOP's	ND Night Cap, NU 7 1/16" 5K Double gate, NU 7 1/16" 5K Mud Cross, NU 7 1/16" 5K Annular, & function test.
12:30	0.50	13:00	SRIG	Rig Up/Down	RU Work Floor & Tbg. Equip.
13:00	3.50	16:30	RUTB	Run Tubing	PU 4 3/4" Rock Bit, 2 7/8" Bit sub, 1 Jt. 2 7/8" eue L80, XN-Nipple, 1 Jt., X-Nipple, Cont. PU tbg., Stopped 5 Jts. above DV Collar.
16:30	0.50	17:00	GOP	General Operations	Secure well, SDFN
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI.
06:00		06:00			

7-27-37 BTR 9/4/2011 06:00 - 9/5/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	0.50	08:00	SRIG	Rig Up/Down	RU Swivel.
08:00	2.00	10:00	CLN	Clean Out Hole	Establish Circ. w/ Rig pump. Drill out 70' of Cement & DV Collar, Circ. Bottoms up.
10:00	0.50	10:30	SRIG	Rig Up/Down	Hang back swivel.
10:30	1.00	11:30	RUTB	Run Tubing	PU Tbg. Tag FC @ 9946'
11:30	1.00	12:30	CLN	Clean Out Hole	Circ. Bottoms up.
12:30	4.00	16:30	PULT	Pull Tubing	Lay down Tbg.
16:30	0.50	17:00	SRIG	Rig Up/Down	RD Tbg. equip. & work floor.
17:00	0.50	17:30	BOPR	Remove BOP's	ND BOP, NU Night Cap.
17:30	1.00	18:30	SRIG	Rig Up/Down	RDMO w/o Rig.
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	WSI.

7-27-37 BTR 9/6/2011 06:00 - 9/7/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	WLWK	Wireline	MIRU E-Line, Tagged w/ gauge ring @ 200'. Pulled out of hole had paraffin in Junk basket, from the hot oiler when he topped the hole off. picked up weight bars made it 5'. POOH, RDMO E-line.
12:00	6.00	18:00	GOP	General Operations	MIRU w/o Rig, NU BOP, RIH w/ 16 Jts. displaced small amount of oil as going in. Circ. paraffin out w/ hot oiler. , Layed down tbg. RIH, w/ Sand Line to 3000'. Did not tag anything. RDMO w/o Rig., Installed night cap.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI.

**7-27-37 BTR 9/7/2011 06:00 - 9/8/2011 06:00**

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Service Rig and equipment moved off location, Construction crews continued to build production facility. Cleaned out cellar ring, continued to truck in Frac water and prep for upcoming frac.	

7-27-37 BTR 9/8/2011 06:00 - 9/9/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Well Shut in and Secured. Waiting on construction crews to arrive.	
08:00	4.50	12:30	GOP	General Operations	Construction crews arrived on location. Hook up 2" sales line to wellhead, continue building production facility. Continued to truck in produce water for frac, set HES water manifold. Off loaded flow back equipment.	
12:30	2.00	14:30	SRIG	Rig Up/Down	Black Warrior arrived on location, Safety meeting with crew. Spotted in E-line equipment. R/U crane, 0 psi on wellhead. N/D Well head flange, N/U E-line adapter flange. P/up grease head and weight bars, CCL/Junk basket and 4.50" gauge ring.	
14:30	0.75	15:15	WLWK	Wireline	Started in the hole, E-line operator noticed that Electrical wheel depth encoder was not registering the depth correctly on the display. POOH with e-line, E-line operator attempted to fix wheel counter. Stated back in the hole with GR & Junk Basket.	
15:15	1.00	16:15	WLWK	Wireline	RIH with E-line, depth counter was still showing signs of inaccurate depth's at the DV-tool @ 7107', depth was off by 400', made a depth correction to ccl, RIH to PBTD, tagged @ 9285', depths was off by 650'. Had E-line POOH. Laid down CCL, junk basket and 4.50" gauge ring, switched out 7/32" e-line to 5/16" e-line with new depth encoder.	
16:15	0.75	17:00	DTIM	Downtime	Re Head 5/16" e-line with new depth encoder.	
17:00	4.00	21:00	WLWK	Wireline	RIH with CCL/CBL/Gamma ray, Tagged PBTD @ 9940', made pass from 9940' to 9650', made depth correction to HES open hole, to CCL / gamma ray. Drop to PBTD 9940' made repeat from 9940' to 9650' verify depth correction, full line tension @ 9930'. Applied 1000 psi to 5.5' casing. Logged main pass from 9930' to 2000', @ 60" fpm. Good cement bond from 9930' to 7150', 50' void section around the DV-tool, Good Cement from DV-tool to 2570'. Continued to log to 2000', no cement from 2570' to 2000', stopping logging POOH with E-line tools.	
21:00	0.50	21:30	SRIG	Rig Up/Down	L/D logging tools, N/D E-line flange, N/U night cap, R/D crane and e-line equipment. Shut in and secured location for the night.	
21:30	8.50	06:00	LOCL	Lock Wellhead & Secure	Well head secured.	

7-27-37 BTR 9/9/2011 06:00 - 9/10/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, waiting on construction crew.	
08:00	3.00	11:00	GOP	General Operations	Construction crews are building and setting up production facilities. Built berms around flow back tanks. R/U up flow back lines and set weight boxes.	
11:00	2.50	13:30	DTIM	Downtime	Safety Meeting with contractor. Cameron prep to rig up frac mandrel and frac tree, Cameron did not bring out the right size well head bolts. Had to wait on bolts to come out of Vernal.	
13:30	2.50	16:00	GOP	General Operations	N/U 7 1/16" 5k to 5 1/8" 10k Frac mandrel. N/U 2 Cameron 5 1/8" 10k frac tree with flow cross. N/U Seaboard Goat heat. Test frac mandrel seal to 5000#, Good test, Finished rigging up flow back line to flow cross. Rigged up test truck and pressure tested casing to 8500 psi, held test for 30 minutes on remote panel. Good test. bleed pressure down. pressure tested flow back line from the frac tree to the flow back tanks to 3500 psi. good test.	
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	Mover in and spotted HES Mountain movers. Secured location and shut in well for the night.	

7-27-37 BTR 9/10/2011 06:00 - 9/11/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Construction crew continued set up production equipment. Hauled in frac sand, Heated frac water, set storage tanks and built berms. Prep location for frac.

7-27-37 BTR 9/11/2011 06:00 - 9/12/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50647	Utah	Duchesne	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Well Shut in and Secured.
08:00	3.50	11:30	PFRT	Perforating	Spotted in E-line equipment. Safety meeting with E-line crew. R/U crane and E-line equipment. P/up ccl/gamma ray logging tool, RIH with logging tools. Ran and completed depth correlation to HES ran on 8-26-11, ran ccl / gamma ray strip from PBTB @ 9930' to 8500'. Confirmed Warrior Energy correlation log was on depth to HES open log. POOH and L/D logging tools. P/up lubricator, R/U pressure test unit to SLB pressure control equipment. pressure tested equipment to 4500 psi, held test for 5 min. Good Test. Bled off pressure. Disconnect lubricator, Armed Stg #1 Perf guns, P/up stg #1 guns and RIH and located marker jt @ 8674' to 8696'. Made depth correction to ccl. Drop down to target depth with 13 psi on the well, Perf stg #1 Interval from 9677'-9678', 9691'-9692', 9704'-9705', 9723'-9724', 9742'-9743', 9767'-9768', 9803'-9804', 9811'-9812', 9837'-9838', 9849'-9850', 9862'-9863', 9869'-9870', 9880'-9881'. @ 120* phasing with Power Jet omega's. All shots fired, POOH with spent guns, L/D guns and verified that all shots fired. Secured Frac tree.
11:30	4.00	15:30	SRIG	Rig Up/Down	MIRU HES Frac equipment, continued to truck in sand.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured.

7-27-37 BTR 9/12/2011 06:00 - 9/13/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50647	Utah	Duchesne	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	HES Crew Arrived at 05:00, Started pumps and frac eq. Ran QA/QC fluid checks. Primed pumps, Completed pressure test to 9000 psi, test held good. Safety meeting with HES frac crew, discuss working around energized equipment and suspended loads.
07:00	2.00	09:00	FRAC	Frac. Job	Pressure tested treating iron @ 9000 psi. Good test, Stg #1 of 10, Zone Stg CR-6 & CR-5, Water Temp @ 68 *, fluid system 25# Hybor. Open Well @ 07:04 Hrs, -12 psi on the well, 0 Surface and Frac Mandrel, 0 psi. engaged pumps. Formation Break Down @ 4.9 bpm, 2220 psi. Started on 15%HCL @ 9.9 bpm 2207 psi, Pumped Bioballs @ 29.9 bpm 2785 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78. Seen good balls action. Displaced 500 gals over, shut down and surged balls three times. waited for 15 minutes. Started on 3% KCL / Produce Water pad @ 70.1 bpm, 3770 psi, shut down 10,000 gals into stage for open Perforation= 25 out of 39 shots open, ISIP= 1914 psi, 0.64 Frac Gradient, Started on X-link pad @ 69.8 bpm, 3741 psi. Start 2# 20/40 CRC sand @ 70.3 bpm, @ 3392 psi. 2# CRC, 70.3 bpm, 3392 psi 2# On perfs bpm 70.2 @ 3400 psi 3# CRC, 70.2 bpm, 3246 psi 3# On perfs bpm 70.2 @ 3150 psi 3.5# CRC, 70.6 bpm, 3121 psi 3.5# On perfs bpm 70.2 @ 2990 psi 4# CRC, 71.2 bpm, 3021 psi 4# On perfs bpm 70.0 @ 3320 psi On Flush @, 71.5 bpm, 3371 psi. Final Injection, 71.4 bpm, 3635 psi. Open Perforation= 29 out of 39 shots, ISDP, 2143 psi, 0.66 Frac Gradient. Max Rate 72.1 bpm, Max Pressure 3943 psi. Avg Rate 70.6 bpm, Avg Pressure 3245 psi Total X-link fluids pumped: 1347 bbls .Total produce water pumped: 1557 bbls.Total fluid in bbls pumped: 2997 bbls Total Sand pumped, 20/40 CRC = 133,231#, Job was pumped as design, LA pump for the CL-31 was out of Calibration, had to drop the set point down to 0.15 to stabilize x-liner.
09:00	1.50	10:30	PFRT	Perforating	R/U E-line, P/up stg #2, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 9635', with 2000 psi on the casing, pulled up and perforated stg #2 intervals from 9379' to 9604'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Well went on a vacuum just before e-line reached surface. Turned Well over to HES to Frac stg #2.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:30	1.50	12:00	FRAC	Frac. Job	After Perforating Stg #2 well went on a vacuum, Called and discuss with Denver, redesigned the sand staging's with a 1# stg of 20/40 CRC. Pressure tested treating iron @ 8910 psi. Stg #2 of 10, Zone Stg CR-5 & CR-4A, Water Temp @ 81 *, 25# Hybor fluid system. Open Well @ 10:29 Hrs, @ -90 psi, 0 Surface and Frac Mandrel, 0 psi. initiated pumps, hole took 900 gals to fill. Seen Formation Break Down @ 10.0 bpm, 2244 psi. Started on 15%HCL @ 9.8 bpm 1675 psi, Pumped Bioballs @ 29.9 bpm 2619 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, Seen ball hit and good ball action, surged frac balls 3-times, shut down and waited 15 minutes. Started on 3% KCL / Produce Water pad @ = 70.1 bpm, 3633 psi. shut down 10,000 gals into SW pad for ISIP & Open Perforation = 25 out of 39 shots, ISIP=1658 psi, .62 Frac Gradient. Started on X-link pad @ 72.1 bpm, 3910 psi. fluid were very thick, had to readjust set point on LA pump for the CL-31 .15 from .30, Start 1#/ Gal 20/40 CRC, 69.9 bpm, 3784 psi 1# 70.0 bpm, 3674 psi 1# On perfs bpm 69.9 @ 3726 psi, Visc 21, X-PH @ 10.0 2# 70.0 bpm, 3674 psi 2# On perfs bpm 69.9 @ 3612 psi, Visc 21, X-PH @ 10.0 3# 69.9 bpm, 3541 psi 3# On perfs bpm 69.8 @ 3928 psi, Cut sand due to net increase in pressure when 3# sand hit perfs. On Flush @, 70.0 bpm, 3947 psi Open Perforation= 28 out of 39 shots, ISDP, 1894 psi, 0.64 Frac Gradient. Max Rate 70.8 bpm, Max Pressure 3947 psi. Avg Rate 69.7 bpm, Avg Pressure 3663 psi Total X-link fluids pumped: 1126 bbls Total produce water pumped: 1807 bbls Total fluid in bbls pumped: 3025 bbls Total Sand pumped, 20/40 CRC= 66,253
12:00	1.50	13:30	PFRT	Perforating	R/U E-line, P/up stg #3, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 9348', with 1050 psi, pulled up and perforated stg #3 intervals from 9073' to 9327'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Shut in and secured frac tree for the night. Turned Well over to HES to Frac stg #3.
13:30	16.00	05:30	LOCL	Lock Wellhead & Secure	Secured Frac tree for the night, continued to fill and re-stock sand and frac fluid. Construction crews are still putting production facility together. insulating flow line and hooking up electrical utility.

7-27-37 BTR 9/13/2011 06:00 - 9/14/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	LOCL	Lock Wellhead & Secure	Halliburton crew arrived @ 05:00, Started pumps and primed frac equipment, mixed gel and ran QA/QC fluid checks. Check pressure on the well, 700 psi casing. At 06:30 Halliburton was unable to start the job due to a leak on the Hydraulic tank and they did not have enough Hydraulic oil on location to get the tank back to it's proper levels. Safety meeting with frac crew.
06:30	2.00	08:30	DTIM	Downtime	Waiting on Hydraulic oil.
08:30	1.25	09:45	FRAC	Frac. Job	Pressure tested treating iron to 9000 psi. Good test, Stg # 3 of 10, Zone Stg CR-4, Water Temp @ 74*, Open Well @ 08:20 Hrs, @ 701 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 5.2 bpm, 2825 psi. Started on 15%HCL @ 9.7 bpm 2618 psi, Pumped Bioballs @ 29.6 bpm 3230 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, seen good ball action when balls hit perfs, shut down and surged balls 3-times, waited 15 minutes. Started on 3% KCL / Produce Water pad @ 70.1 bpm, 4046 psi. Open Perforation = 26 out of 39 shots, ISIP = 2215 psi, 0.68 Frac Gradient Started on X-link pad @ 71.1 bpm, 4522 psi. Start 2#/ Gal 20/40 CRC @ 70.6 bpm, 4461 psi 2# 70.6 bpm, 4461 psi 2# On perfs bpm 70.6 @ 4253 psi Seen pressure spike when 2# sand hit formation, cut sand seen pressure stabilize 4390, started sand, ramp to 3# stg. 3# 70.3 bpm, 4140 psi 3# On perfs bpm 70 @ 4590 psi, pumped 57,300# of 3# seen net pressure building fast, cut sand and went to flush. On Flush @, 69.1 bpm, 4700 psi, Final Injection, 69.2 bpm, 5177 psi. Open Perforation = 33 out of 39 shots, ISDP, 2677 psi, 0.73 Frac Gradient. Max Rate 71.0 bpm, Max Pressure 6198 psi. Avg Rate 70 bpm, Avg Pressure 4612 psi Total X-link fluids pumped: 1073 bbls Total produce water pumped: 1796 bbls Total fluid in bbls pumped: 2962 bbls Total Sand pumped, 20/40 CRC= 77,352#, placed 46% of prop in formation.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:45	1.50	11:15	PFRT	Perforating	R/U E-line, P/up stg #4, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 9050', with 2100 psi, pulled up and perforated stg #4 intervals from 8747' to 9027'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #4.
11:15	1.75	13:00	FRAC	Frac. Job	Pressure tested treating iron to 9102 psi. Good test, Stg #4 of 10, Zone Stg CR-3 Water Temp @ 76 *. Open Well @ 11:25 Hrs, @ 1400 psi, 0 Surface and Frac Mandrel, 25 psi. Formation Break Down @ 4.7 bpm, 2496 psi. Started on 15%HCL @ 11.0 bpm 2542 psi, Pumped Bioballs @ 30.0 bpm 3765 psi. seen good ball action. surged well 3-times, shut down for 15 minutes. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78. Started on 3% KCL / Produce Water pad @ 69.9 bpm, 4255 psi, shut down 10,000 gals into stg for Open Perforation = 21 out of 39 shots, ISIP = 2108 psi, .68 Frac Gradient. Started on X-link pad and 1# 100 mesh @ 71.0 bpm, 4520 psi. Start 1#/ Gal 100 mesh sand, 70.9 bpm, 4587 psi. Start 1#/ Gal 20/40 CRC @ 70.0 bpm, 4587 psi, Fluid looked good. 1# 70.1 bpm, 4991 psi 1# On perms bpm 70.1 @ 4838 psi 2# 70.2 bpm, 4625 psi 2# On perms bpm 70.1 @ 4488 psi 3# 69.7 bpm, 4315 psi 3# On perms bpm 69.9 @ 4010 psi. Lost transition seal on one of the pump trucks, had to readjust rate. 3.5# 70.6 bpm, 4193 psi 3.5# On perms bpm 70.5 @ 4360 psi, did not go to 4# sand, due to net pressure increase. On Flush @, 69.8 bpm, 4268 psi. Final Injection, 70.1 bpm, 4802 psi Open Perforation = 30 out of 39 shots, ISDP, 2887 psi, 0.77 Frac Gradient. Max Rate 71.1 bpm, Max Pressure 4993 psi. Avg Rate 70.5 bpm, Avg Pressure 4408 psi Total X-link fluids pumped:1779 bbls Total produce water pumped:1691 bbls Total fluid in bbls pumped: 3564 bbls Total 100 mesh pumped: 12,600 Total Sand pumped, 20/40 CRC= 156,300#, pump 100% of prop in formation.
13:00	1.50	14:30	PFRT	Perforating	R/U E-line, P/up stg #5, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 9635, with 2000 psi, pulled up and perforated stg #5 intervals from 9379' to 9604'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #5.
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	Shut in and secured frac tree, continued to restock sand and water. construction crews continued to work on production facility.

7-27-37 BTR 9/14/2011 06:00 - 9/15/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	HES crew arrived @ 05:00, started up frac equipment. Mixed gel, Primed pumped, ran QA/QC fluid checks, pressured tested treating iron to 9000 psi. held good, Safety meeting with Frac crew.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.25	08:15	FRAC	Frac. Job	<p>Pressure tested treating iron @ 9000 psi. Stg #5 of 10, Zone Stg CR-2 Water Temp @ 77 *</p> <p>Open Well @ 06:53 Hrs, @ 1550 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 4.4 bpm, 2460 psi. Started on 15%HCL @ 9.8 bpm 2470 psi, Pumped Bioballs @ 29.2 bpm 3123 psi.</p> <p>Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, Seen good ball action, surged frac balls 3 times, shut down 15 minute to allow frac ball to fall. Started on 3% KCL / Produce Water pad @ 70.4 bpm, 4661 psi. pumped 10,000 gals then shut down for Open Perforation = 25 out of 39 shots, ISIP = 2146 psi, .69 Frac Gradient. Started on X-link & 100 mesh 1# pad @ 70.5 bpm, 4661 psi. Start 1# Gal 20/40 CRC, 70.6 bpm, 4667 psi</p> <p>1# 70.5 bpm, 4667 psi 1# On perms bpm 70.5 @ 4427 psi 2# 70.5 bpm, 4287 psi 2# On perms bpm 70.5 @ 4124 psi 3# 70.5 bpm, 4101 psi 3# On perms bpm 70.5 @ 3992 psi 3.5# 70.4 bpm, 3997 psi 3.5# On perms bpm 70.5 @ 3948 psi 4# 70.4 bpm, 3945 psi 4# On perms bpm 70.4 @ 4031 psi</p> <p>On Flush @, 69.0 bpm, 4146 psi Final Injection, 70.3 bpm, 4402 psi Open Perforation = 33 out of 39 shots, ISDP, 2701 psi, 0.75 Frac Gradient. Max Rate 71.4 bpm, Max Pressure 4402 psi. Avg Rate 70.6 bpm, Avg Pressure 4317 psi Total X-link fluids pumped: 1692 bbls Total produce water pumped: 1681 bbls Total fluid in bbls pumped: 3459 bbls Total 100 Mesh pumped: 12,600# Total Sand pumped, 20/40 CRC=156,600#, Placed 100% prop in formation and job was pumped as designed.</p>
08:15	1.50	09:45	PFRT	Perforating	<p>R/U E-line, P/up stg #6, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 8510', with 2200 psi, pulled up and perforated stg #6 intervals from 8302' to 8503'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg#6.</p>
09:45	1.75	11:30	FRAC	Frac. Job	<p>Pressure tested treating iron @ 8530 psi. Stg # 6 of 10, Zone Stg CR-2 & Wasatch Water Temp @ 74 *. Open Well @ 09:53 Hrs, @ 1850 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 4.1 bpm, 2151 psi. Started on 15%HCL @ 9.8 bpm 2091 psi, Pumped Bioballs @ 29.5 bpm 2551 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, Seen good ball action. surged balls 3-times and waited 15 minutes for balls to fall. Started on 3% KCL / Produce Water pad @ 70.7 bpm, 4997 psi, pumped 10,000 gal of SW and shut down for ISIP & Open Perforation = 22 out of 39 shots, ISIP = 1940 psi, .67 Frac Gradient, seen a 500 psi pressure drop after ISIP. Started on X-link / 1# 100 mesh stg @ 71.1 bpm, 4162 psi Start 1# Gal 20/40 CRC, 70.9 bpm, 4241 psi.</p> <p>1# 70.9 bpm, 4187 psi 1# On perms bpm 70.9 @ 3884 psi Belt sanded off on the movers, cut rate to 50 bbls while crew fixed the problem. Pump 7500 gals over on the 1# stage.</p> <p>2# 70.2 bpm, 3831 psi 2# On perms bpm 70.9 @ 3596 psi 3# 70.3 bpm, 3402 psi 3# On perms bpm 70.3 @ 3375 psi 3.5# 70.4 bpm, 3248 psi 3.5# On perms bpm 70.3 @ 3226 psi 4# 70.4 bpm, 3226 psi 4# On perms bpm 70.1 @ 3250 psi</p> <p>On Flush @, 69.9 bpm, 3401 psi Final Injection, 70.4 bpm, 3750 psi Open Perforation = 34 out of 71 shots, ISDP, 2226 psi, 0.71 Frac Gradient. Max Rate 71.3 bpm, Max Pressure 4729 psi. Avg Rate 69.9 bpm, Avg Pressure 3805 psi Total X-link fluids pumped: 1953 bbls Total produce water pumped: 1672 bbls Total fluid in bbls pumped: 3715 bbls Total 100 mesh pumped: 12,600 Total Sand pumped, 20/40 CRC= 178,460#,</p>
11:30	1.50	13:00	PFRT	Perforating	<p>R/U E-line, P/up stg #7, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 8286', with 2100 psi, pulled up and perforated stg #7 intervals from 8085' to 8280'. POOH w/ e-line, secured frac tree, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg#7 in the AM.</p>
13:00	17.50	06:30	LOCL	Lock Wellhead & Secure	<p>Shut in and secured frac tree, continued to re-stock sand and frac fluids. Construction crew are still working on production facility.</p>


7-27-37 BTR 9/15/2011 06:00 - 9/16/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	GOP	General Operations	HES Frac crew arrived @ 04:30. Started frac equipment. mixed gel, ran QA/QC fluid checks. Checked pressure at the wellhead. 1750 psi on the casing. Primed pumps and frac equipment. Pressure tested treating iron, Good test. Safety meeting with Frac crew and Delsco flow back hand. reviewed yesterday issues and today pump plans. discuss the hazards around working with pressurized equipment and suspended loads.	
07:00	1.50	08:30	FRAC	Frac. Job	Pressure tested treating iron @ 9001 psi. Stg #7 of 10, Zone Stg CR-1, Uteland, Castle Peak, Water Temp @ 75*. Open Well @ 06:58 Hrs, @ 1678 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 3.8 bpm, 1849 psi. Started on 15%HCL @ 9.7 bpm 2139 psi, Pumped Bioballs @ 29.9 bpm 2663 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78. Started on 3% KCL / Produce Water pad @ 70.1 bpm, 4750 psi, pumped 10,000 gals into the stg and shut down for ISIP, Open Perforation = 24 out of 39 shots, ISIP = 1970 psi, .69 Frac Gradient. started on X-link pad and 1# 100 mesh. Started on X-link pad @ 71.1 bpm, 3971 psi. Start 1#/ Gal 20/40 Prem White sand, 71.2 bpm, 3829 psi 1# 71.2 bpm, 3829 psi 1# On perms bpm 71.2 @ 3922 psi 2# 71.2 bpm, 3757 psi 2# On perms bpm 71.2 @ 3602 psi 3# 71.2 bpm, 3527 psi 3# On perms bpm 72.1 @ 3316 psi 3.5# 71.9 bpm, 3116 psi 3.5# On perms bpm 71.3 @ 3029 psi 4# 71.2 bpm, 3050 psi 4# On perms bpm 71.3 @ 2943 psi On Flush @, 69.8 bpm, 3086 psi Final Injection, 69.8 bpm, 3334 psi Open Perforation = 39 out of 39 shots, ISDP, 2128 psi, 0.70 Frac Gradient. Max Rate 72.2 bpm, Max Pressure 4430 psi. Avg Rate 71.2 bpm, Avg Pressure 3710 psi Total X-link fluids pumped: 1937 bbls Total produce water pumped: 1759 bbls Total fluid in bbls pumped: 3791 bbls Total 100 mesh 20,300# Total Sand pumped, 20/40 Prem White = 166,700, Total sand pumped 187,000# was placed in formation, job was completed as design	
08:30	1.50	10:00	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 on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 8065', with 1800 psi, pulled up and perforated stg #8 intervals from 7859' to 8050'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #8.	
10:00	1.50	11:30	FRAC	Frac. Job	Pressure tested treating iron @ 9010 psi. Good test, Stg #8 of 10, Zone Stg Castle Peak, Uteland and CR-1, Water Temp @ 79*. Open Well @ 10:24 Hrs, @ 1509 psi, 0 Surface and Frac Mandrel, 0 psi Formation Break Down @ 5.0 bpm, 1960 psi. Started on 15%HCL @ 9.9 bpm 1651 psi, Pumped Bioballs @ 29.0 bpm 2052 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, seen good ball action, surged balls 3 times, waited 15 minutes for ball to fall. Started on 3% KCL / Produce Water pad @ 70.7 bpm, 3231 psi, shut down 10,000 gals into stg for ISIP and Open Perforation= 30 out of 39 shots, ISIP = 1531 psi, .63 Frac Gradient Started on X-link / 1# 100 mesh @ 71.2 bpm, 3471 psi Start 1#/ Gal 20/40 Prem White sand, 70.8 bpm, 3471 psi 1# 70.9 bpm, 3478 psi 1# On perms bpm 70.9 @ 3260 psi 2# 70.9 bpm, 3256 psi 2# On perms bpm 70.8 @ 3021 psi 3# 70.9 bpm, 2977 psi 3# On perms bpm 70.8 @ 2890 psi 3.5# 71.9 bpm, 2805 psi 3.5# On perms bpm 71.6 @ 2741 psi 4# 71.6 bpm, 2722 psi 4# On perms bpm 71.6 @ 2677 psi On Flush @, 69.2 bpm, 2841 psi Final Injection, 69.9 bpm, 3065 psi Open Perforation = 38 out of 39 shots, ISDP, 1771 psi, 0.66 Frac Gradient. Max Rate 71.8 bpm, Max Pressure 3496 psi. Avg Rate 71.2 bpm, Avg Pressure 3142 psi Total X-link fluids pumped: 1935 bbls Total produce water pumped: 1757 bbls Total fluid in bbls pumped: 3787 bbls Total 100 Mesh pumped: 20,300#, Total Sand pumped, 20/40 Prem White = 166,800#, Total Sand pumped 187,100# Job was pumped as designed.	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:30	1.50	13:00	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 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 7840', with 1600 psi, pulled up and perforated stg #9 intervals from 7645' to 7833'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #9.
13:00	17.00	06:00	LOCL	Lock Wellhead & Secure	Secured frac tree for the night. Continue to restock frac sand and water throughout the evening.

7-27-37 BTR 9/16/2011 06:00 - 9/17/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-50647	Utah	Duchesne	Black Tail Ridge	Concept	10,027.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	HES Crew arrived 05:00, started frac equipment, primed pumps & mixed gel, Ran QA/QC Fluid checks. Fluids looked good. pressure tested treating iron to 9000 psi. Good test, Safety meeting frac crew and flow back personnel, discuss yesterday pump issues and today's plans and goals.
07:00	1.50	08:30	FRAC	Frac. Job	Pressure tested treating iron @ 9001 psi. Stg #9 of 10, Zone Stg Castle Peak, Water Temp @ 74 *. Open Well @ 07:05 Hrs, @ 1450 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 6.7 bpm, 1442 psi. Started on 15%HCL @ 9.9 bpm 1694 psi, Pumped Bioballs @ 29.9 bpm 2291 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, good ball action when frac balls hit Perfs, Surged 3-times, waited for 15 minutes. Started on 3% KCL / Produce Water pad @ 70.4 bpm, 3695 psi, Shut down 10,000 gals into stg for ISIP. Open Perforation = 24 out of 39 shots, ISIP = 1575 psi, .65 Frac Gradient. Started on X-link pad / 1# 100 mesh stg @ 70.5 bpm, 3056 psi Start 1# / Gal 20/40 Prem White sand, 70.6 bpm, 3249 psi 1# 70.6 bpm, 3249 psi 1# On perfs bpm 70.6 @ 3140 psi 2# 70.6 bpm, 3119 psi 2# On perfs bpm 70.8 @ 2896 psi 3# 70.8 bpm, 2898 psi 3# On perfs bpm 70.6 @ 2647 psi 3.5# 70.0 bpm, 2579 psi 3.5# On perfs bpm 70.7 @ 2501 psi 4# 70.7 bpm, 2505 psi 4# On perfs bpm 70.8 @ 2419 psi On Flush @, 70.4 bpm, 2550 psi Final Injection, 70.4 bpm, 2860 psi Open Perforation = 39 out of 39 shots, ISDP, 1816 psi, 0.62 Frac Gradient. Max Rate 73 bpm, Max Pressure 4212 psi. Avg Rate 70.5 bpm, Avg Pressure 2950 psi Total X-link fluids pumped: 1789 bbls Total produce water pumped: 1667 bbls Total fluid in bbls pumped: 3530 bbls Total 100 Mesh pumped: 17,100# Total Sand pumped, 20/40 Prem White= 156,500#, Job was pump as designed.
08:30	1.50	10:00	PFRT	Perforating	R/U E-line, P/up stg #10, 10K Fast Drill CBP and Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 7627', with 1700 psi, pulled up and perforated stg #10 intervals from 7437' to 7625'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #10.
10:00	1.00	11:00	DTIM	Downtime	Wait on Frac sand.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
11:00	1.50	12:30	FRAC	Frac. Job	Pressure tested treating iron @ 9010 psi. Stg # 10 of 10, Zone Stg Castle Peak, Water Temp @ 78 *. Open Well @ 11:30 Hrs, @ 1370 psi, 0 Surface and Frac Mandrel, 0 psi. Formation Break Down @ 4.6 bpm, 1339 psi. Started on 15%HCL @ 10.2 bpm 1339 psi, Pumped Bioballs @ 30.1 bpm 2266 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 78, seen good ball action when frac balls hit the perms. surged balls 3 times and waited for 15 minutes. Started on 3% KCL / Produce Water pad @ 70.3 bpm, 3404 psi. shut down 10,000 gals into stg for ISIP & Open Perforation = 32 out of 39 shots, ISIP = 1581 psi, .65 Frac Gradient. Started on X-link / 1# 100 Mesh stage @ 71.0 bpm, 3199 psi. Start 1#/ Gal 20/40 Prem White sand, 70.1 bpm, 3264 psi 1# 70.9 bpm, 3072 psi 1# On perms bpm 70.9 @ 3029 psi 2# 70.8 bpm, 3010 psi 2# On perms bpm 70.2 @ 2919 psi 3# 70.2 bpm, 2913 psi 3# On perms bpm 70.2 @ 2758 psi 3.5# 71.2 bpm, 2674 psi 3.5# On perms bpm 70.0 @ 2667 psi 4# 71.0 bpm, 2625 psi 4# On perms bpm 70.0 @ 2567 psi On Flush @, 70.9 bpm, 2888 psi Final Injection, 70.0 bpm, 3133 psi Open Perforation = 39 out of 39 shots, ISDP 1890, psi, 0.69 Frac Gradient. Max Rate 71.2 bpm, Max Pressure 3319 psi. Avg Rate 70.9 bpm, Avg Pressure 2986 psi Total X-link fluids pumped: 1904 bbls Total produce water pumped: 1724 bbls Total fluid in bbls pumped: 3724 bbls Total 100 mesh pumped 18,000# Total Sand pumped, 20/40 Prem White = 165,340#, Job was completed as designed.
12:30	1.25	13:45	WLWK	Wireline	R/U E-line, P/up 4.652 10K Fast Drill CBP, Equalized lub, RIH to target depth, ran correlation strip from CBL/CCL/GR log reference on 9/8/11. Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set kill plug @ 7360', with 1700 psi on the well. Bled off pressure to flow back tanks. Plug held static test. Pooh with e-line, L/D Setting tool. Shut in and secured frac tree. R/D e-line equipment.
13:45	16.25	06:00	GOP	General Operations	Finished Rigging down Frac equipment. Moved out frac equipment, Rigged down water transfer lines and water manifold, Batch Frac tanks, and secured location.

7-27-37 BTR 9/17/2011 06:00 - 9/18/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. Waiting on rig crew to arrive.
07:00	3.50	10:30	GOP	General Operations	Moved in rig pump and tank. Started hauling frac tanks off location. Checked pressure at the well head. 0 psi. open well to flow back tanks. Verified CBP holding good. N/D Frac tree, N/U bop's. Spotted in pipe handler and pipe racks. Off loaded 322 jts of tbg.
10:30	1.50	12:00	SRIG	Rig Up/Down	Moved in Nabors rig 1431, R/U services unit. Rigged up tongs and pipe handling equipment. Hooked up flow back lines to bop's. R/U pump and tank, ran hard line to well head. Pressure tested bop's to 3000 psi. good test.
12:00	5.50	17:30	DTIM	Downtime	Rig would not build any air pressure, Air compressor was showing signs of not building any air. Rig crew had to wait on new air compressor to come out of Roosevelt. Air compressor arrived, rig crew installed new air compressor.
17:30	1.50	19:00	TRIP	Tripping	P/up 4 3/4" rock bit & pump off bit sub, 1-jt of 2 7/8" 8 rd eue tbg, 1-2 7/8" NX profile nipple, 1-jt of tbg 2 7/8" 8rd eue tbg. 1- 2 7/8" X profile nipple. 75 jts of 2 7/8" tbg.
19:00	0.50	19:30	LOCL	Lock Wellhead & Secure	Shut in and secured well head for the night.

7-27-37 BTR 9/18/2011 06:00 - 9/19/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	LOCL	Lock Wellhead & Secure	Well shut in and secured. waiting on rig crew.
06:30	0.50	07:00	SMTG	Safety Meeting	Safety meeting with rig crew. reievw JSA, checked oil's and fuel levels in rig equipment. Started rig equipment, Check pressures at the well head. 0 psi.
07:00	3.00	10:00	TRIP	Tripping	RIH with 2 7/8" tbg, Tagged kill plug with 235 jts in the hole.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	7.50	17:30	DOPG	Drill Out Plugs	Rigged up power swivel, Broke circulation, pumping @ 1.5 bpm, with good returns to flow back tanks. Drilled out CBP as followed. Drilled through Kill Plug @ 7360' , seen pressure increase to 800 psi. Drilled out Fast Drill CBP @ 7627' with 1000 psi, 5' sand on top of the CBP. Drilled out Fast Drill CBP @ 7840' with 1000 psi, 10' sand on top of the CBP. Drilled out Fast Drill CBP @ 8065' with 1000 psi, 10' sand on top of the CBP. Drilled out Fast Drill CBP @ 8286' with 1000 psi, 10' sand on top of the CBP. Drilled out Fast Drill CBP @ 8510' with 900 psi, 5' sand on top of the CBP. Drilled out Fast Drill CBP @ 8734' with 1050 psi, 15' sand on top of the CBP. Drilled out Fast Drill CBP @ 9050' with 1000 psi, 40' sand on top of the CBP. Drilled out Fast Drill CBP @ 9348' with 1000 psi, 97' sand on top of the CBP. Drill out Fast Drill CBP @ 9635' with 1150 psi. 35' sand on top of the CBP.
17:30	1.50	19:00	CLN	Clean Out Hole	Continued to RIH with tbg, Tagged PBTD @ 9918', Continued to drill out rat hole section from 9918' to 9981' 100' below bottom Perf. Increased pump rate to 3 bpm. Circulated for 30 minutes.
19:00	1.50	20:30	TRIP	Tripping	R/D power swivel, Pooch with 40 stand of tbg, Secured bop's and tbg for the night. turned well over to flow test crew.
20:30	9.50	06:00	FBCK	Flowback Well	Open well back up with 1225 psi on the casing, Open on a 24/64" choke and continued to flow well throughout the night. Total bbls recovered, 2819 bbls.

7-27-37 BTR 9/19/2011 06:00 - 9/20/2011 06:00

API/UWI 43-013-50647	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status Concept	Total Depth (ftKB) 10,027.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com																																																																																																																																		
06:00	0.50	06:30	FBCK	Flowback Well	Well still flowing through flow back equipment on 24/64".																																																																																																																																		
06:30	0.50	07:00	GOP	General Operations	Safety meeting with rig crew. Started up rig equipment.																																																																																																																																		
07:00	1.25	08:15	TRIP	Tripping	RIH with 80 Jts of 2 7/8" tbg, Tag no fill @ 9981'.																																																																																																																																		
08:15	1.75	10:00	TRIP	Tripping	L/D 88 jts of 2 7/8" tbg, Made up tbg hanger. landed tbg as listed below. 1-KB 17.0 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td> <td style="width: 20%;">Hanger</td> <td style="width: 5%;">7</td> <td style="width: 5%;">2.441</td> <td style="width: 5%;">6.5</td> <td style="width: 5%;">L-80</td> <td style="width: 5%;">8rd</td> <td style="width: 5%;">0.44</td> <td style="width: 5%;">17.2</td> <td style="width: 5%;">17.7</td> </tr> <tr> <td>232-</td> <td>Tubing</td> <td>2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>8rd</td> <td>7,289.17</td> <td>17.7</td> <td></td> </tr> <tr> <td colspan="10">7,306.80</td> </tr> <tr> <td>1</td> <td>Profile Nipple</td> <td>X 2 7/8</td> <td>2.313</td> <td>6.5</td> <td>L-80</td> <td>8rd</td> <td>1.2</td> <td>7,306.80</td> <td></td> </tr> <tr> <td colspan="10">7,308.00</td> </tr> <tr> <td>1</td> <td>Tubing</td> <td>2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>8rd</td> <td>31.66</td> <td>7,308.00</td> <td></td> </tr> <tr> <td colspan="10">7,339.70</td> </tr> <tr> <td>1</td> <td>Profile Nipple</td> <td>XN</td> <td>2 7/8</td> <td>2.205</td> <td>6.5</td> <td>L-80</td> <td>8rd</td> <td>1.38</td> <td></td> </tr> <tr> <td colspan="10">7,339.70 7,341.10</td> </tr> <tr> <td>1</td> <td>Tubing</td> <td>2 7/8</td> <td>2.441</td> <td>6.5</td> <td>L-80</td> <td>8rd</td> <td>31.54</td> <td>7,341.10</td> <td></td> </tr> <tr> <td colspan="10">7,372.60</td> </tr> <tr> <td>1</td> <td>Pump Off Bit Sub</td> <td></td> <td>3 1/8</td> <td>2.5</td> <td>6.5</td> <td>L-80</td> <td>8rd</td> <td>0.95</td> <td></td> </tr> <tr> <td colspan="10">Landed EOT @ 7,373.55</td> </tr> </table>	1	Hanger	7	2.441	6.5	L-80	8rd	0.44	17.2	17.7	232-	Tubing	2 7/8	2.441	6.5	L-80	8rd	7,289.17	17.7		7,306.80										1	Profile Nipple	X 2 7/8	2.313	6.5	L-80	8rd	1.2	7,306.80		7,308.00										1	Tubing	2 7/8	2.441	6.5	L-80	8rd	31.66	7,308.00		7,339.70										1	Profile Nipple	XN	2 7/8	2.205	6.5	L-80	8rd	1.38		7,339.70 7,341.10										1	Tubing	2 7/8	2.441	6.5	L-80	8rd	31.54	7,341.10		7,372.60										1	Pump Off Bit Sub		3 1/8	2.5	6.5	L-80	8rd	0.95		Landed EOT @ 7,373.55									
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10:00	1.50	11:30	GOP	General Operations	Had to strip in tbg hanger through bop's, landed tbg, hanger seal would not test, lost hanger seal when tbg was landed. Had to pull and replace hanger seal on tbg hanger.																																																																																																																																		
11:30	1.00	12:30	GOP	General Operations	R/D tbg handling equipment, Rig down rig floor, N/D bop's, N/U Well head and installed flow back lines to sand trap.																																																																																																																																		
12:30	1.00	13:30	SRIG	Rig Up/Down	Dropped pump off ball, Rigged up rig pump, pumped 30 bbls, seated pump off ball, disconnected pump off sub @ 2600 psi. pumped 20 more bbls of 3 % kcl to push bit to bottom. Rig down Nabors rig, rack out pump and tank.																																																																																																																																		
13:30	2.00	15:30	SRIG	Rig Up/Down	MIRU Delsco slick line unit, equalized lubricator. RIH with weight bar. tagged bit 9585', had to work bit down to rat hole section, pushed bit to 9999' go by slick line measurements. Pooch with slick line unit. RDMO slick line unit.																																																																																																																																		
15:30	14.50	06:00	FBCK	Flowback Well	Open well to flow back tank. unloaded 50 bbls, turned well over to production. As of 06:00 well has recover 4755 bbls of load water and 71 gas, no oil.																																																																																																																																		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608			
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: 7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 7-27-37 BTR			
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013506470000			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: CEDAR RIM			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2011	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No October 2011 Monthly Drilling Activity to report.					
<p style="margin: 0;">Accepted by the</p> <p style="margin: 0;">Utah Division of</p> <p style="margin: 0;">Oil, Gas and Mining</p> <p style="margin: 0;">FOR RECORD ONLY</p>					
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst			
SIGNATURE N/A	DATE 11/3/2011				

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608																														
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted to update the lease number. The BIA lease for this well was earned on 10/14/2011. The new lease number is 14-20-H62-6418.																																
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst																														
SIGNATURE N/A	DATE 11/15/2011																															

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
20G0005608

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:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
7-27-37 BTR

2. NAME OF OPERATOR:
BILL BARRETT CORP

9. API NUMBER:
43013506470000

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

PHONE NUMBER:
303 312-8164 Ext

9. FIELD and POOL or WILDCAT:
CEDAR RIM

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1742 FNL 2110 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/14/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Lease Number"/>

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

This sundry is being submitted to update the lease number. The BIA lease for this well was earned on 10/14/2011. The new lease number is 14-20-H62-6418.

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

Date: 11/16/2011

By: _____

NAME (PLEASE PRINT)
Venessa Langmacher

PHONE NUMBER
303 312-8172

TITLE
Senior Permit Analyst

SIGNATURE
N/A

DATE
11/15/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6418
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:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: 7-27-37 BTR
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013506470000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2011	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER: <input type="text"/>
		<input type="checkbox"/> CASING REPAIR
		<input type="checkbox"/> CHANGE WELL NAME
		<input type="checkbox"/> CONVERT WELL TYPE
		<input type="checkbox"/> NEW CONSTRUCTION
		<input type="checkbox"/> PLUG BACK
		<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
		<input type="checkbox"/> TEMPORARY ABANDON
		<input type="checkbox"/> WATER DISPOSAL
		<input type="checkbox"/> APD EXTENSION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
No November 2011 Monthly Drilling activity to report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 12/5/2011

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface SWNE 1742FNL 2110FEL
 At top prod interval reported below SWNE 1796FNL 2137FEL
 At total depth SWNE 1815FNL 2159FEL

5. Lease Serial No. 20G0005608
 6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No.
 8. Lease Name and Well No. 7-27-37 BTR
 9. API Well No. 43-013-50647
 10. Field and Pool, or Exploratory CEDAR RIM
 11. Sec., T., R., M., or Block and Survey or Area Sec 27 T3S R7W Mer UBM
 12. County or Parish DUCHESNE 13. State UT
 14. Date Spudded 08/19/2011 15. Date T.D. Reached 08/25/2011 16. Date Completed D & A Ready to Prod. 09/19/2011
 17. Elevations (DF, KB, RT, GL)* 6682 GL

18. Total Depth: MD 10027 TVD 10024 19. Plug Back T.D.: MD 9836 TVD 893X 3 20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	18.000 COND	65.0	0	96	96			0	
12.250	9.625 J-55	36.0	0	3078	3074	1210	446	0	
8.750	5.500 P-110	17.0	0	10027	10026	1585	534	2560	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)
2.876	7374							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	7437	8280	7437 TO 8280	0.440	163	OPEN
B) WASATCH	8302	9881	8302 TO 9881	0.440	228	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
7437 TO 8280	GREEN RIVER: SEE TREATMENT STAGES 7 - 10
8302 TO 9881	WASATCH: SEE TREATMENT STAGES 1 - 6

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
09/19/2011	09/22/2011	24	→	147.0	176.0	1087.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Cvg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	320	1232.0	→	147	176	1087	1197	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	Cvg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

RECEIVED

OCT 18 2011

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

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

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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	3614
				MAHOGANY	4223
				DOUGLAS CREEK	6616
				BLACK SHALE	7271
				CASTLE PEAK	7460
				UTELAND BUTTE	7867
				WASATCH	8285
				TD	10027

32. Additional remarks (include plugging procedure):

TOC calculated by CBL. First gas sales was on 9/19/2011. First oil sales was on 9/23/2011. Attached is Treatment Data.

33. Circle enclosed attachments:

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

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

Electronic Submission #120498 Verified by the BLM Well Information System.
 For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN

Title PERMIT ANALYST

Signature



Date 10/18/2011

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

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

7-27-37 BTR Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>Bbls Slurry</u>	<u>lbs 20/40 White Sand</u>	<u>lbs 100 Mesh Sand</u>
1	3,142	133,200	
2	3,929	66,300	
3	3,046	77,400	
4	3,745	156,300	
5	3,643	156,600	
6	3,910	165,860	12,600
7	3,992	166,700	20,300
8	3,988	166,800	20,200
9	3,722	156,500	17,100
10	3,929	165,340	18,000

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

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 27-T3S-R7W

#7-27-37 BTR

Plan A Rev 0

Design: Sperry MWD Survey

Sperry Drilling Services Standard Report

14 October, 2011

Well Coordinates: 678,505.59 N, 2,234,859.44 E (40° 11' 35.35" N, 110° 39' 33.38" W)
Ground Level: 6,680.00 ft

Local Coordinate Origin:	Centered on Well #7-27-37 BTR
Viewing Datum:	RKB 16' @ 6696.00ft (Patterson 506)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 431

HALLIBURTON

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Design Report for #7-27-37 BTR - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.00	0.21	324.33	132.00	0.20	-0.14	0.20	0.16
First Sperry MWD Survey							
195.00	0.24	311.20	195.00	0.38	-0.31	0.38	0.09
254.00	0.17	281.47	254.00	0.48	-0.49	0.48	0.21
315.00	0.23	242.68	315.00	0.44	-0.68	0.44	0.24
376.00	0.23	250.08	376.00	0.34	-0.91	0.34	0.05
438.00	0.26	262.84	438.00	0.28	-1.16	0.28	0.10
498.00	0.32	219.92	498.00	0.13	-1.41	0.13	0.37
559.00	0.74	202.06	558.99	-0.36	-1.66	-0.36	0.73
620.00	0.72	218.06	619.99	-1.03	-2.05	-1.03	0.33
681.00	0.27	213.70	680.99	-1.45	-2.36	-1.45	0.74
741.00	0.24	216.59	740.99	-1.67	-2.52	-1.67	0.05
802.00	0.23	150.00	801.99	-1.88	-2.53	-1.88	0.42
863.00	1.47	275.18	862.98	-1.91	-3.25	-1.91	2.65
924.00	1.44	282.54	923.96	-1.67	-4.78	-1.67	0.31
987.00	0.41	312.28	986.95	-1.35	-5.72	-1.35	1.75
1,051.00	0.62	290.43	1,050.95	-1.08	-6.21	-1.08	0.44
1,114.00	0.12	288.81	1,113.95	-0.94	-6.59	-0.94	0.79
1,178.00	1.13	101.63	1,177.94	-1.04	-6.04	-1.04	1.95
1,241.00	0.97	115.41	1,240.93	-1.40	-4.95	-1.40	0.47
1,305.00	1.65	113.71	1,304.92	-2.00	-3.62	-2.00	1.06
1,368.00	2.00	115.46	1,367.88	-2.84	-1.79	-2.84	0.56
1,432.00	1.60	111.60	1,431.85	-3.65	0.05	-3.65	0.65
1,495.00	1.17	102.21	1,494.83	-4.10	1.49	-4.10	0.77
1,558.00	1.12	107.41	1,557.82	-4.43	2.71	-4.43	0.18
1,622.00	0.99	77.76	1,621.81	-4.50	3.85	-4.50	0.87
1,685.00	0.66	87.77	1,684.80	-4.37	4.74	-4.37	0.57
1,749.00	0.73	129.35	1,748.80	-4.61	5.42	-4.61	0.78
1,812.00	0.67	135.73	1,811.79	-5.13	5.99	-5.13	0.16
1,876.00	0.41	108.82	1,875.79	-5.47	6.47	-5.47	0.56
1,939.00	0.42	93.00	1,938.79	-5.55	6.91	-5.55	0.18
2,003.00	0.37	80.98	2,002.79	-5.53	7.35	-5.53	0.15
2,066.00	0.50	38.97	2,065.79	-5.29	7.73	-5.29	0.53
2,130.00	0.34	55.18	2,129.79	-4.96	8.06	-4.96	0.31
2,193.00	0.31	43.33	2,192.78	-4.73	8.33	-4.73	0.12
2,256.00	0.21	121.33	2,255.78	-4.67	8.54	-4.67	0.53
2,320.00	0.57	161.52	2,319.78	-5.03	8.74	-5.03	0.67
3,085.00	3.89	171.37	3,084.10	-34.30	13.85	-34.30	0.44
3,149.00	3.23	177.77	3,147.97	-38.25	14.24	-38.25	1.20
3,212.00	3.68	166.43	3,210.86	-41.99	14.78	-41.99	1.30
3,276.00	3.17	162.67	3,274.75	-45.68	15.79	-45.68	0.87
3,339.00	1.72	175.02	3,337.69	-48.28	16.39	-48.28	2.44
3,403.00	1.04	221.31	3,401.67	-49.68	16.09	-49.68	1.96
3,467.00	0.94	244.88	3,465.66	-50.33	15.24	-50.33	0.65
3,530.00	1.58	343.29	3,528.65	-49.72	14.52	-49.72	3.10
3,593.00	1.67	355.36	3,591.63	-47.97	14.19	-47.97	0.56
3,657.00	0.77	327.02	3,655.61	-46.68	13.88	-46.68	1.65
3,721.00	0.71	324.19	3,719.61	-46.00	13.42	-46.00	0.11
3,784.00	0.44	304.02	3,782.60	-45.55	12.99	-45.55	0.53

HALLIBURTON

Design Report for #7-27-37 BTR - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3,848.00	1.49	341.97	3,846.59	-44.62	12.53	-44.62	1.84
3,911.00	1.55	335.52	3,909.57	-43.07	11.92	-43.07	0.29
3,975.00	0.95	296.64	3,973.56	-42.04	11.09	-42.04	1.57
4,038.00	0.86	266.96	4,036.55	-41.83	10.15	-41.83	0.75
4,101.00	1.05	255.83	4,099.54	-42.00	9.12	-42.00	0.42
4,165.00	1.10	277.09	4,163.53	-42.07	7.94	-42.07	0.62
4,228.00	0.77	319.24	4,226.52	-41.67	7.06	-41.67	1.17
4,292.00	0.63	52.25	4,290.52	-41.13	7.06	-41.13	1.59
4,355.00	0.69	119.75	4,353.51	-41.11	7.66	-41.11	1.17
4,419.00	0.67	122.68	4,417.51	-41.50	8.31	-41.50	0.06
4,482.00	0.90	127.07	4,480.50	-42.00	9.02	-42.00	0.38
4,546.00	1.39	146.55	4,544.49	-42.95	9.85	-42.95	0.97
4,609.00	1.48	161.39	4,607.47	-44.36	10.53	-44.36	0.61
4,673.00	1.08	200.21	4,671.46	-45.71	10.58	-45.71	1.45
4,736.00	0.47	331.55	4,734.45	-46.04	10.26	-46.04	2.28
4,800.00	0.33	226.83	4,798.45	-45.93	10.00	-45.93	1.00
4,863.00	0.35	186.12	4,861.45	-46.25	9.84	-46.25	0.38
4,927.00	0.59	277.35	4,925.45	-46.40	9.50	-46.40	1.08
4,990.00	1.70	305.50	4,988.44	-45.81	8.41	-45.81	1.92
5,054.00	1.81	296.11	5,052.41	-44.82	6.73	-44.82	0.48
5,117.00	1.51	278.99	5,115.38	-44.25	5.02	-44.25	0.91
5,181.00	1.70	260.73	5,179.36	-44.27	3.25	-44.27	0.85
5,244.00	1.51	237.37	5,242.33	-44.87	1.63	-44.87	1.07
5,308.00	1.10	234.40	5,306.32	-45.68	0.42	-45.68	0.65
5,372.00	1.25	236.46	5,370.30	-46.43	-0.66	-46.43	0.24
5,435.00	1.76	247.26	5,433.28	-47.18	-2.13	-47.18	0.92
5,499.00	1.85	257.26	5,497.25	-47.79	-4.04	-47.79	0.51
5,562.00	1.35	255.85	5,560.22	-48.19	-5.75	-48.19	0.80
5,625.00	0.59	214.60	5,623.21	-48.64	-6.66	-48.64	1.57
5,689.00	0.31	133.17	5,687.21	-49.03	-6.72	-49.03	0.98
5,752.00	0.43	242.10	5,750.21	-49.26	-6.80	-49.26	0.96
5,816.00	0.84	228.15	5,814.21	-49.68	-7.36	-49.68	0.68
5,879.00	1.04	200.98	5,877.20	-50.53	-7.91	-50.53	0.77
5,943.00	0.46	189.06	5,941.19	-51.32	-8.16	-51.32	0.93
6,006.00	0.56	199.68	6,004.19	-51.86	-8.30	-51.86	0.22
6,070.00	0.48	258.31	6,068.19	-52.21	-8.67	-52.21	0.80
6,133.00	0.53	302.92	6,131.19	-52.10	-9.18	-52.10	0.61
6,196.00	0.54	266.72	6,194.18	-51.96	-9.72	-51.96	0.53
6,260.00	0.75	265.39	6,258.18	-52.01	-10.44	-52.01	0.33
6,323.00	0.74	310.83	6,321.18	-51.78	-11.15	-51.78	0.91
6,387.00	0.71	349.54	6,385.17	-51.12	-11.54	-51.12	0.75
6,450.00	1.02	336.57	6,448.16	-50.22	-11.83	-50.22	0.58
6,513.00	0.97	333.88	6,511.15	-49.23	-12.29	-49.23	0.11
6,577.00	1.17	333.99	6,575.14	-48.16	-12.82	-48.16	0.31
6,640.00	0.58	329.45	6,638.14	-47.30	-13.26	-47.30	0.94
6,704.00	0.62	210.09	6,702.13	-47.32	-13.60	-47.32	1.62
6,767.00	0.61	279.43	6,765.13	-47.56	-14.10	-47.56	1.11
6,831.00	0.77	300.80	6,829.13	-47.29	-14.81	-47.29	0.47
6,894.00	1.09	291.65	6,892.12	-46.85	-15.73	-46.85	0.56
6,958.00	1.10	255.35	6,956.11	-46.78	-16.89	-46.78	1.07
7,022.00	1.10	271.10	7,020.10	-46.92	-18.09	-46.92	0.47

HALLIBURTON

Design Report for #7-27-37 BTR - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
7,085.00	1.69	283.11	7,083.08	-46.70	-19.60	-46.70	1.04
7,149.00	1.49	243.44	7,147.05	-46.86	-21.27	-46.86	1.71
7,212.00	2.38	229.60	7,210.02	-48.07	-23.00	-48.07	1.59
7,276.00	2.50	215.54	7,273.96	-50.07	-24.82	-50.07	0.95
7,339.00	1.19	202.25	7,336.93	-51.79	-25.87	-51.79	2.17
7,403.00	0.85	184.90	7,400.92	-52.88	-26.16	-52.88	0.71
7,466.00	1.42	203.40	7,463.90	-54.06	-26.51	-54.06	1.06
7,530.00	0.83	294.55	7,527.90	-54.60	-27.24	-54.60	2.59
7,593.00	2.28	336.56	7,590.87	-53.26	-28.16	-53.26	2.78
7,656.00	2.38	334.46	7,653.82	-50.93	-29.22	-50.93	0.21
7,720.00	2.03	332.09	7,717.77	-48.73	-30.32	-48.73	0.57
7,783.00	1.97	333.72	7,780.73	-46.77	-31.33	-46.77	0.13
7,847.00	1.54	335.66	7,844.70	-45.00	-32.17	-45.00	0.68
7,910.00	1.18	339.65	7,907.69	-43.62	-32.74	-43.62	0.59
7,974.00	0.98	317.67	7,971.67	-42.60	-33.34	-42.60	0.71
8,037.00	0.92	315.20	8,034.67	-41.84	-34.06	-41.84	0.12
8,100.00	0.53	320.04	8,097.66	-41.26	-34.60	-41.26	0.63
8,163.00	0.50	278.43	8,160.66	-41.00	-35.06	-41.00	0.58
8,227.00	0.64	223.39	8,224.66	-41.22	-35.58	-41.22	0.85
8,290.00	0.71	213.67	8,287.65	-41.80	-36.04	-41.80	0.21
8,354.00	0.65	228.69	8,351.65	-42.37	-36.53	-42.37	0.29
8,417.00	0.62	214.20	8,414.64	-42.88	-36.99	-42.88	0.26
8,481.00	0.65	195.19	8,478.64	-43.52	-37.28	-43.52	0.33
8,544.00	0.88	194.66	8,541.63	-44.33	-37.50	-44.33	0.37
8,608.00	1.17	192.12	8,605.62	-45.45	-37.76	-45.45	0.46
8,671.00	1.31	193.29	8,668.61	-46.78	-38.06	-46.78	0.23
8,735.00	1.08	200.74	8,732.59	-48.05	-38.44	-48.05	0.43
8,798.00	0.90	205.10	8,795.59	-49.06	-38.86	-49.06	0.31
8,862.00	1.08	205.39	8,859.58	-50.06	-39.34	-50.06	0.28
8,926.00	0.75	240.96	8,923.57	-50.81	-39.96	-50.81	1.00
8,989.00	0.71	242.13	8,986.56	-51.19	-40.67	-51.19	0.07
9,053.00	0.99	310.27	9,050.56	-51.02	-41.44	-51.02	1.53
9,116.00	0.96	310.03	9,113.55	-50.33	-42.26	-50.33	0.05
9,180.00	0.65	272.56	9,177.54	-49.96	-43.03	-49.96	0.93
9,243.00	0.86	220.91	9,240.54	-50.31	-43.70	-50.31	1.09
9,307.00	1.20	198.92	9,304.53	-51.30	-44.23	-51.30	0.81
9,370.00	1.39	192.74	9,367.51	-52.67	-44.61	-52.67	0.37
9,433.00	1.29	202.02	9,430.49	-54.07	-45.05	-54.07	0.38
9,497.00	1.27	209.24	9,494.48	-55.36	-45.66	-55.36	0.25
9,560.00	1.47	200.62	9,557.46	-56.73	-46.29	-56.73	0.46
9,623.00	1.84	185.00	9,620.43	-58.49	-46.66	-58.49	0.92
9,687.00	2.01	185.63	9,684.40	-60.63	-46.86	-60.63	0.27
9,750.00	1.59	199.90	9,747.37	-62.55	-47.27	-62.55	0.97
9,813.00	2.15	190.21	9,810.33	-64.54	-47.77	-64.54	1.02
9,877.00	2.68	184.06	9,874.28	-67.21	-48.09	-67.21	0.92
9,940.00	2.12	191.47	9,937.22	-69.82	-48.43	-69.82	1.01
9,973.00	2.23	189.10	9,970.20	-71.06	-48.65	-71.06	0.43
Final Sperry MWD Survey							
10,027.00	2.23	189.10	10,024.16	-73.13	-48.98	-73.13	0.00
Straight Line Projection to TD							

Design Report for #7-27-37 BTR - Sperry MWD Survey

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
User	No Target (Freehand)	0.00	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
132.00	10,027.00	Sperry MWD Surveys	MWD

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
#7-27-37 BTR_BHL Tg - actual wellpath misses target center by 352.99ft at 10027.00ft MD (10024.16 TVD, -73.13 N, -48.98 E) - Point	0.00	0.00	10,366.00	0.00	0.00	678,505.59	2,234,859.44	40° 11' 35.351 N	110° 39' 33.379 W
#7-27-37 BTR_SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	678,505.59	2,234,859.44	40° 11' 35.351 N	110° 39' 33.379 W
#7-27-37 BTR_Zone T: - actual wellpath misses target center by 50.15ft at 7002.46ft MD (7000.56 TVD, -46.92 N, -17.72 E) - Rectangle (sides W200.00 H200.00 D3,365.00)	0.00	0.00	7,001.00	0.00	0.00	678,505.59	2,234,859.44	40° 11' 35.351 N	110° 39' 33.379 W

HALLIBURTON

North Reference Sheet for Sec. 27-T3S-R7W - #7-27-37 BTR - Plan A Rev 0

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

Vertical Depths are relative to RKB 16' @ 6696.00ft (Patterson 506). Northing and Easting are relative to #7-27-37 BTR

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

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991832

Grid Coordinates of Well: 678,505.59 ft N, 2,234,859.44 ft E

Geographical Coordinates of Well: 40° 11' 35.35" N, 110° 39' 33.38" W

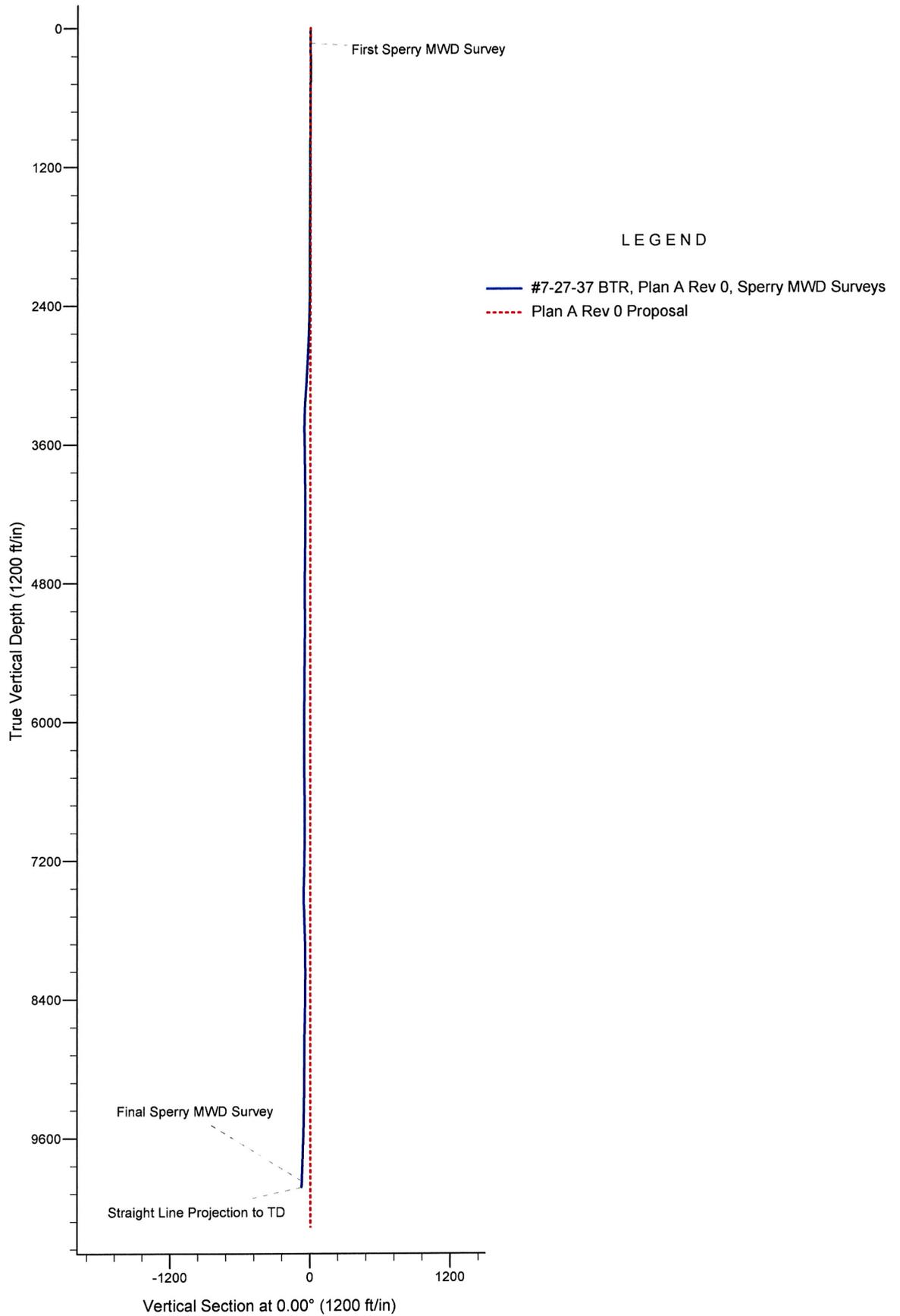
Grid Convergence at Surface is: 0.54°

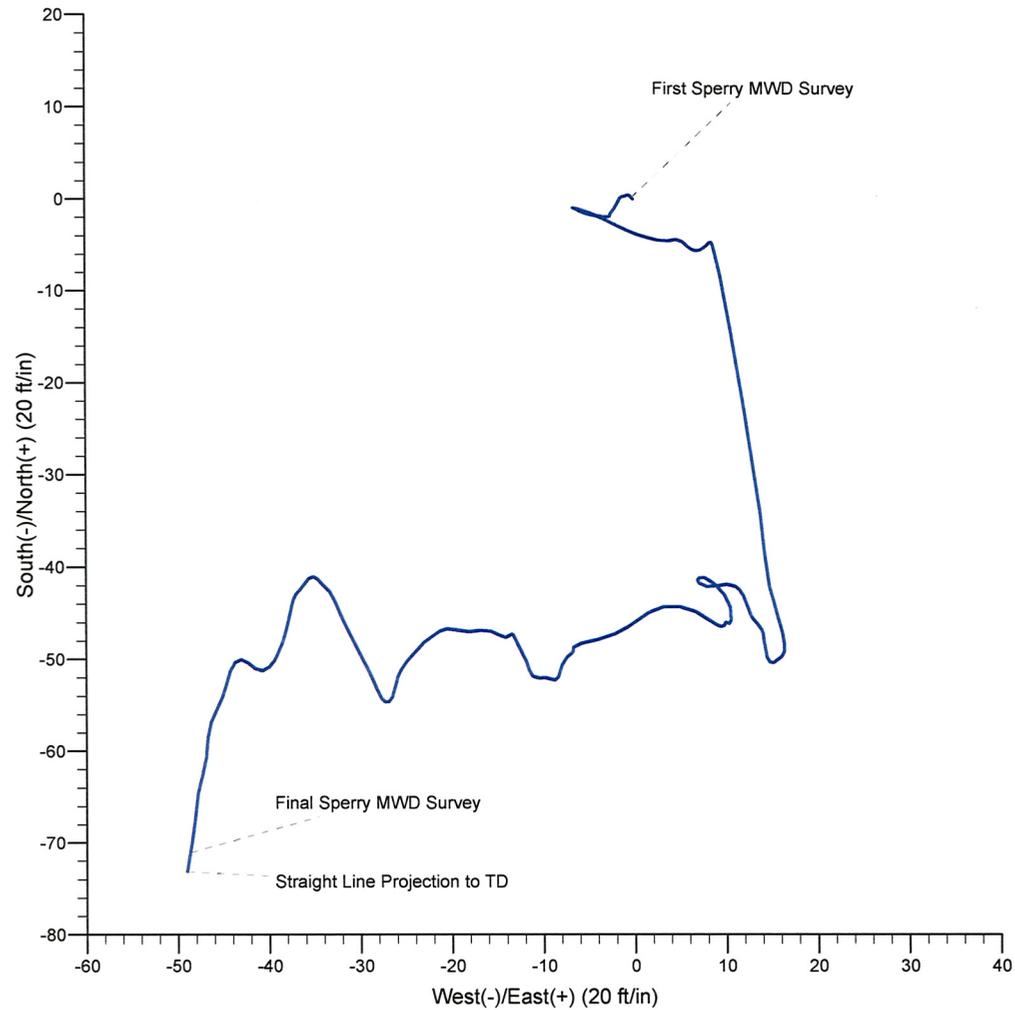
Based upon Minimum Curvature type calculations, at a Measured Depth of 10,027.00ft

the Bottom Hole Displacement is 88.02ft in the Direction of 213.81° (True).

Magnetic Convergence at surface is: -11.06° (25 July 2011, , BGGM2011)

	<p>Magnetic Model: BGGM2011 Date: 25-Jul-11 Declination: 11.60° Inclination/Dip: 65.79° Field Strength: 52202</p>
<p>Grid North is 0.54° East of True North (Grid Convergence) Magnetic North is 11.60° East of True North (Magnetic Declination) Magnetic North is 11.06° East of Grid North (Magnetic Convergence)</p>	
<p>To convert a True Direction to a Grid Direction, Subtract 0.54° To convert a Magnetic Direction to a True Direction, Add 11.60° East To convert a Magnetic Direction to a Grid Direction, Add 11.06°</p>	





LEGEND

- #7-27-37 BTR, Plan A Rev 0, Sperry MWD Surveys
- - - Plan A Rev 0 Proposal

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 7-27-37 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013506470000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/25/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>THIS WELL WAS RETURNED TO PRODUCTION AFTER BEING SHUT IN FOR MORE THAN 90 DAYS ON 9/25/2014. WELL HAD BEEN SHUT IN SINCE 6/21/2014.</p>			
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 07, 2014</p>			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 11/5/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6418	
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:	
		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 7-27-37 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013506470000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: CEDAR RIM	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/15/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The tribal lease has been earned for this well. The new lease number is 14-20-H62-6418.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 16, 2015			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 4/1/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6418
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: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-27-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013506470000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1742 FNL 2110 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 27 Township: 03.0S Range: 07.0W Meridian: U	9. FIELD and POOL or WILDCAT: CEDAR RIM COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/15/2017	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input checked="" type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

well was shut in on 6/16/15 due to a rod part & low commodity prices/high failure rates the well has been left SI. On 6/15/16 the well will be SI for 1 year. Current economics don't justify the workover required to return the well to production. For this reason BBC is requesting an addt'l 1 year SI, before a MIT is required on 6/15/17. Well currently has 0 psi tubing, 1065 psi casing, 5 psi Braden Head. With minimal to zero Braden Head pressure & 1065 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 4300ft. from surface with TOC at 2550ft. The well is SI at the wellhead & all surface equipment has been drained/winterized. Well is still on an active lease operator route & is checked frequently for any surface & potential downhole issues. Well would be RTP if economics will justify before 6/15/17

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 04, 2016

By: *Dark Duff*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/12/2016	

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 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

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

REVIEW:

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

NEW OPERATOR BOND VERIFICATION:

- Federal well(s) covered by Bond Number: UTB000712
- Indian well(s) covered by Bond Number: LPM 922467
- State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

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

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

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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

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
Telephone:(801) 683-4245
Fax:(801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

A handwritten signature in cursive script that reads 'Brady Riley'.

Brady Riley
Permit Analyst

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
2. NAME OF OPERATOR: RIG II, LLC <u>N14055</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (801) 683-4245		8. WELL NAME and NUMBER: (see attached well list)
4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) COUNTY:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		10. FIELD AND POOL, OR WILDCAT:

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

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

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

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
801-683-4245
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N21165
Duana Zavala NAME (PLEASE PRINT)
Duana Zavala SIGNATURE
Senior Vice President -
EH&S, Government and Regulatory Affairs

RIG II, LLC
Jesse McSwain NAME (PLEASE PRINT)
Jesse McSwain SIGNATURE
Manager

NAME (PLEASE PRINT) Jesse McSwain TITLE Manager
SIGNATURE Jesse McSwain DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

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

Request to Transfer Application or Permit to Drill

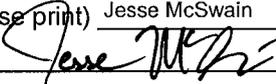
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

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

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

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager
 Signature  Date 10/20/16
 Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

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

UIC FORM 5

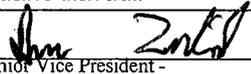
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

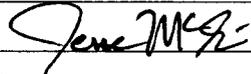
CURRENT OPERATOR

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

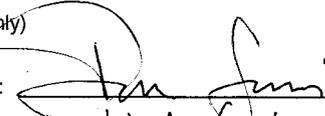
Name: Duane Zavadil
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC
Address: 1582 West 2600 South
city Wood Cross state UT zip 84087
Phone: (801) 683-4245
Comments:

Name: Jesse McSwain
Signature: 
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: 
Title: VIC Geologist

Approval Date: 11/3/16

Comments:

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

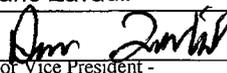
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

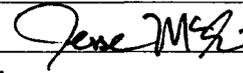
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadil</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

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

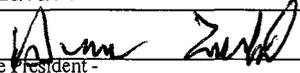
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

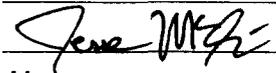
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadil</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: 
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: 
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

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