

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 14-21D-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') Deep Creek Investments
14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-823-3232		15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 2400 Sunnyside Avenue, Salt Lake City, UT 84108
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 type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	622 FSL 2493 FWL	SESW	21	3.0 S	7.0 W	U
Top of Uppermost Producing Zone	802 FSL 1988 FWL	SESW	21	3.0 S	7.0 W	U
At Total Depth	810 FSL 1985 FWL	SESW	21	3.0 S	7.0 W	U

21. COUNTY DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet) 810	23. NUMBER OF ACRES IN DRILLING UNIT 640
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 937	26. PROPOSED DEPTH MD: 10870 TVD: 10830	
27. ELEVATION - GROUND LEVEL 6683	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	12.25	9.625	0 - 3000	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	450	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
Prod	8.75	5.5	0 - 10870	17.0	P-110 LT&C	9.7	Unknown	760	2.31	11.0
							Unknown	1020	1.42	13.5

ATTACHMENTS

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

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

NAME Venessa Langmacher	TITLE Senior Permit Analyst	PHONE 303 312-8172
SIGNATURE	DATE 06/21/2011	EMAIL vlangmacher@billbarrettcorp.com
API NUMBER ASSIGNED 43013508590000	APPROVAL  Permit Manager	

DRILLING PLAN

BILL BARRETT CORPORATION

14-21D-37 BTR Well Pad

SE SW, 622' FSL and 2493' FWL, Section 21, T3S, R7W, USB&M (surface hole)

SE SW, 810' FSL and 1985' FWL, Section 21, T3S, R7W, USB&M (bottom hole)

Duchesne County, Utah

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

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Lower Green River*	6,145'	6,114'
Douglas Creek	7,000'	6,960'
Black Shale	7,573'	7,533'
Castle Peak	7,790'	7,750'
Uteland Butte	8,208'	8,168'
Wasatch*	8,665'	8,625'
TD	10,870'	10,830'

*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 – 3,000'	No pressure control required
3,000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary 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 1/4"	Surface	3,000'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
NOTE: In addition, 8 3/4" hole size may change to 7 7/8" at the point the bit is changed out.							

Bill Barrett Corporation
 Drilling Program
 #14-21D-37 BTR
 Duchesne County, Utah

5. Cementing Program

Casing	Cementing
16" Conductor Casing	<i>Grout</i>
9 5/8" Surface Casing	<p><i>Lead</i> with approximately 450 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft³/sx) circulated to surface with 75% excess. Top of lead estimated at surface.</p> <p><i>Tail</i> with approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft³/sx), calculated hole volume with 75% excess. Top of tail estimated at 2,500'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 760 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft³/sx,) . Top of lead estimated at 2,500'.</p> <p><i>Tail</i> with approximately 1020 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft³/sx). Top of tail estimated at 7,073'.</p>

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 3,000'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3,000' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. 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
#14-21D-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 5463 psi* and maximum anticipated surface pressure equals approximately 3080 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: January 2012
Spud: January 2012
Duration: 15 days drilling time
45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

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

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

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

D. Choke Manifold Equipment:

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

E. Accumulator:

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

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

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

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

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

F. Miscellaneous Information:

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

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



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: 14-21D-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
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	2,500'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	10,870'
Top of Cement:	2,500'
Top of Tail:	7,073'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1732.7	ft ³
Lead Fill:	4,573'	
Tail Volume:	1438.8	ft ³
Tail Fill:	3,797'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	760
# SK's Tail:	1020

14-21D-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 - (7073' - 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: 4,573'
	Volume: 308.58 bbl
	Proposed Sacks: 760 sks
Tail Cement - (10870' - 7073')	
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: 7,073'
	Calculated Fill: 3,797'
	Volume: 256.24 bbl
	Proposed Sacks: 1020 sks

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

BILL BARRETT CORPORATION

Well location, #14-21D-37 BTR, located as shown in the SE 1/4 SW 1/4 of Section 21, 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

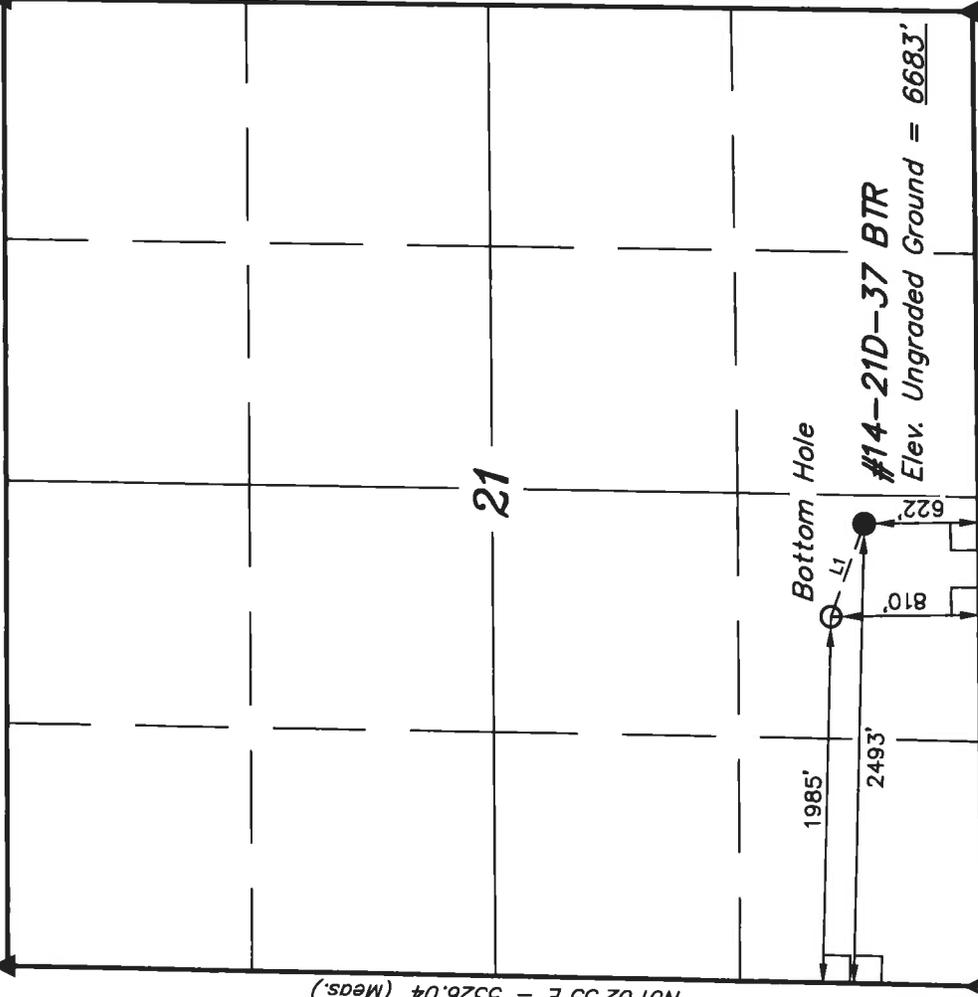
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

500'36'39"W - 5287.09' (Meas.)

1/2" Rebar w/
Yellow Plastic Cap
LS #4779, Pile
of Stones

N89°35'40"E - 5260.30' (Meas.)

Set Marked
Stone



N01°02'53"E - 5326.04' (Meas.)

S89°10'59"W - 5301.76' (Meas.)

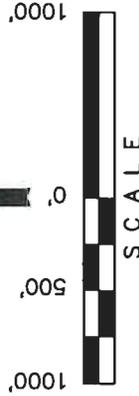
Section Corner
Re-Established
Using Bearing
Tree Information.

LINE	BEARING	LENGTH
L1	N70°15'21"W	535.93'

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°12'00.01" (40.200003)	LATITUDE = 40°11'58.23" (40.199508)
LONGITUDE = 110°40'59.12" (110.683089)	LONGITUDE = 110°40'52.62" (110.681283)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°12'00.17" (40.200047)	LATITUDE = 40°11'58.39" (40.199553)
LONGITUDE = 110°40'56.55" (110.682375)	LONGITUDE = 110°40'50.05" (110.680569)



SCALE

CERTIFICATE

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

ROBERT KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH 05-12-11

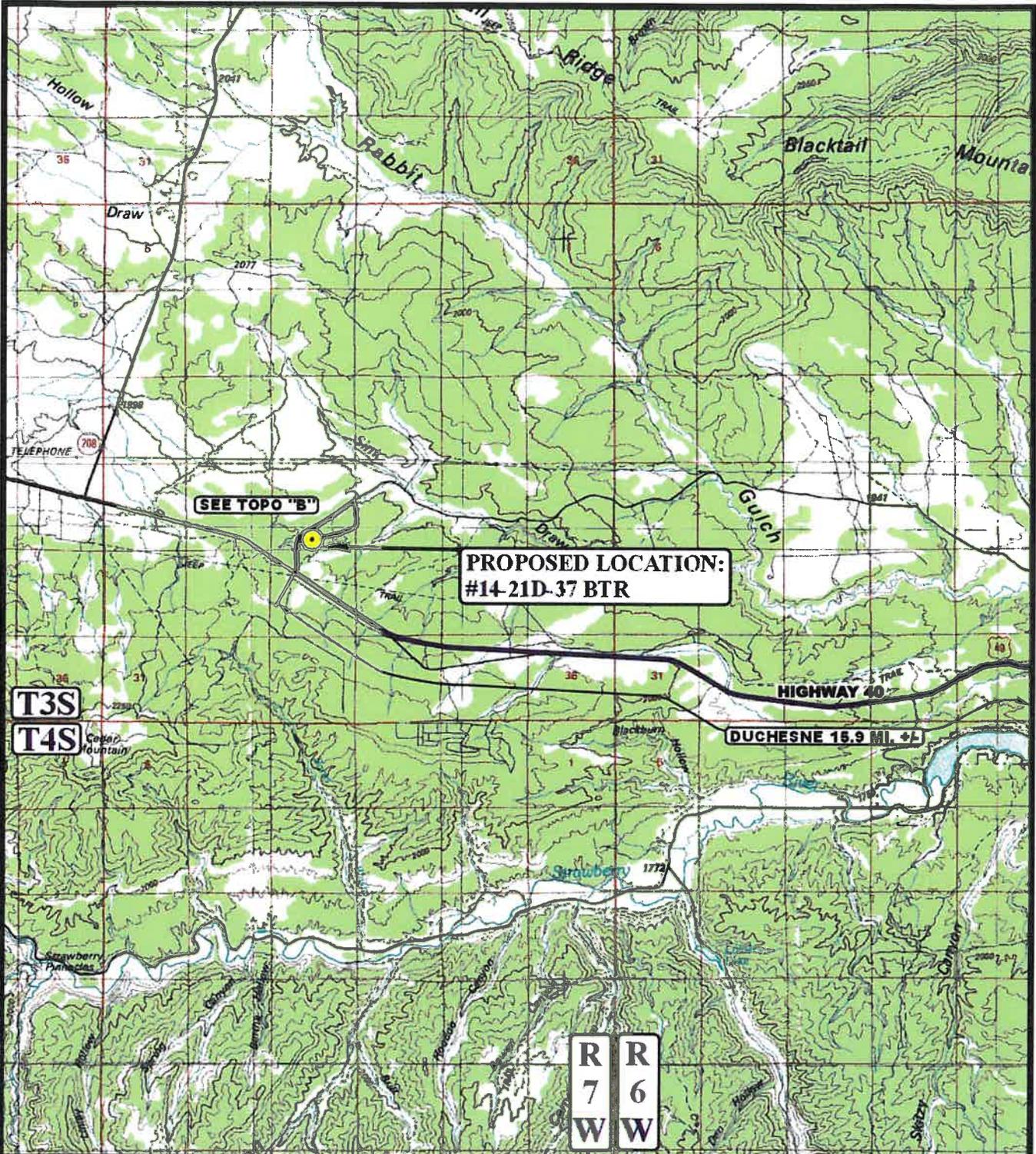
REVISED: 05-12-11

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-22-11	DATE DRAWN: 03-30-11
PARTY G.M. J.R. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	BILL BARRETT CORPORATION



**PROPOSED LOCATION:
#14-21D-37 BTR**

SEE TOPO "B"

**T3S
T4S**

DUCHESNE 15.9 MI. +/-

**R R
7 6
W W**

LEGEND:

 **PROPOSED LOCATION**

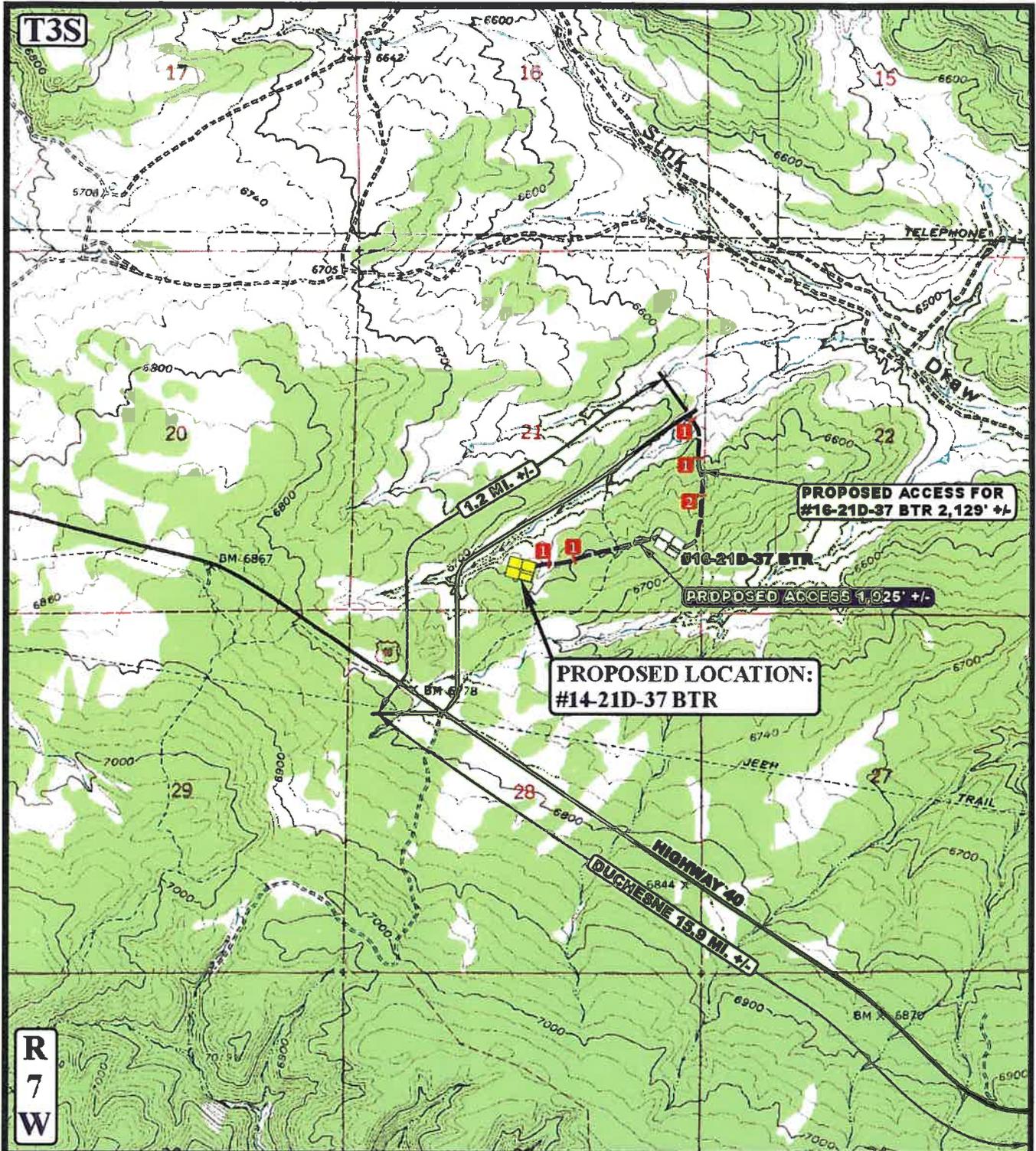
BILL BARRETT CORPORATION

**#14-21D-37 BTR
SECTION 21, T3S, R7W, U.S.B.&M.
622' FSL 2493' FWL**

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

**ACCESS ROAD
MAP** **03 25 11**
MONTH DAY YEAR **A**
SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00 **TOPO**





R
7
W

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 24" CMP REQUIRED
- 36" CMP REQUIRED

BILL BARRETT CORPORATION

#14-21D-37 BTR
SECTION 21, T3S, R7W, U.S.B.&M.
622' FSL 2493' FWL

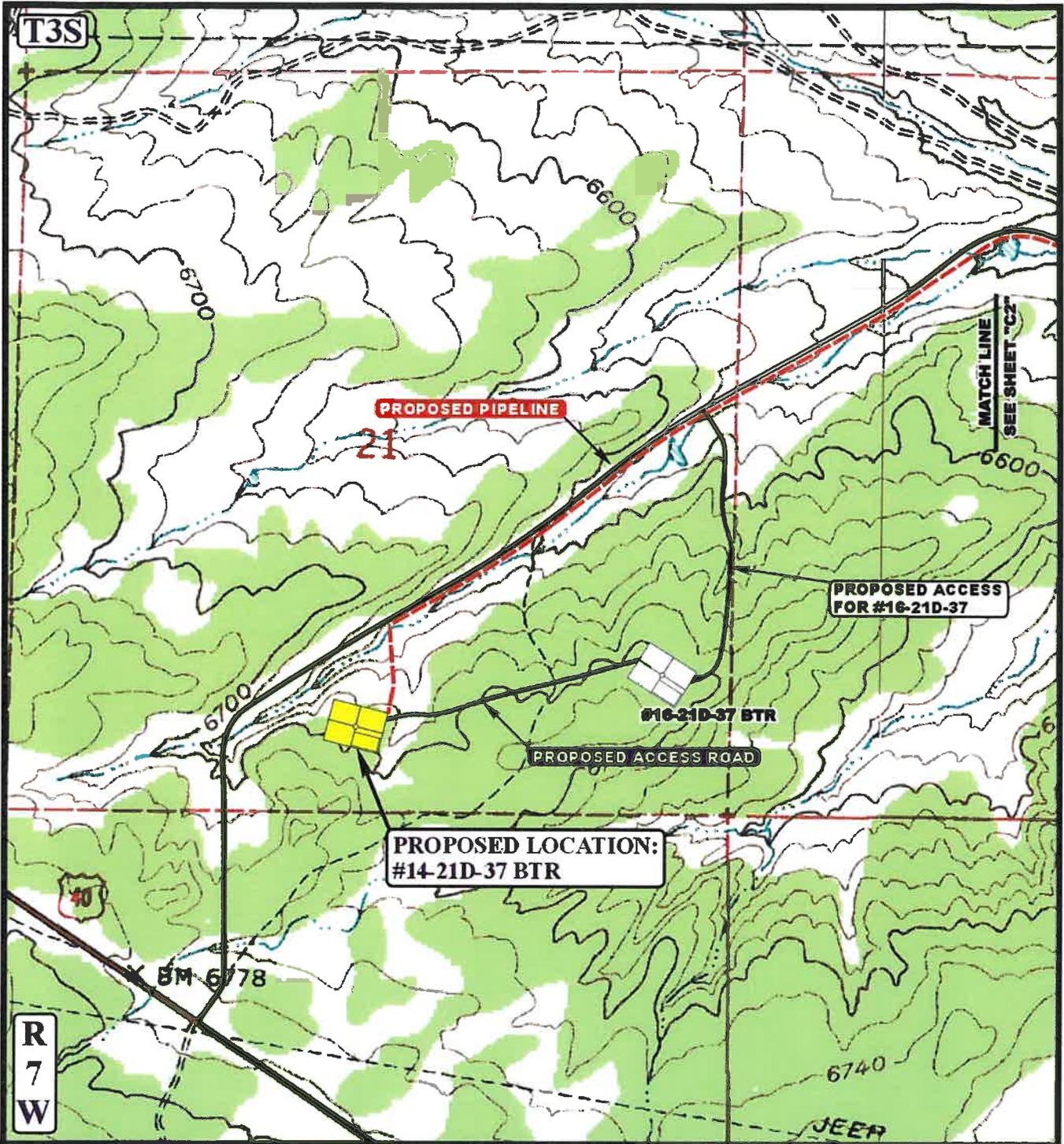
U&L S Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP

03	25	11
MONTH	DAY	YEAR

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

B
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 12,530' +/-

LEGEND:

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



BILL BARRETT CORPORATION

#14-21D-37 BTR
SECTION 21, T3S, R7W, U.S.B.&M.
622' FSL 2493' FWL



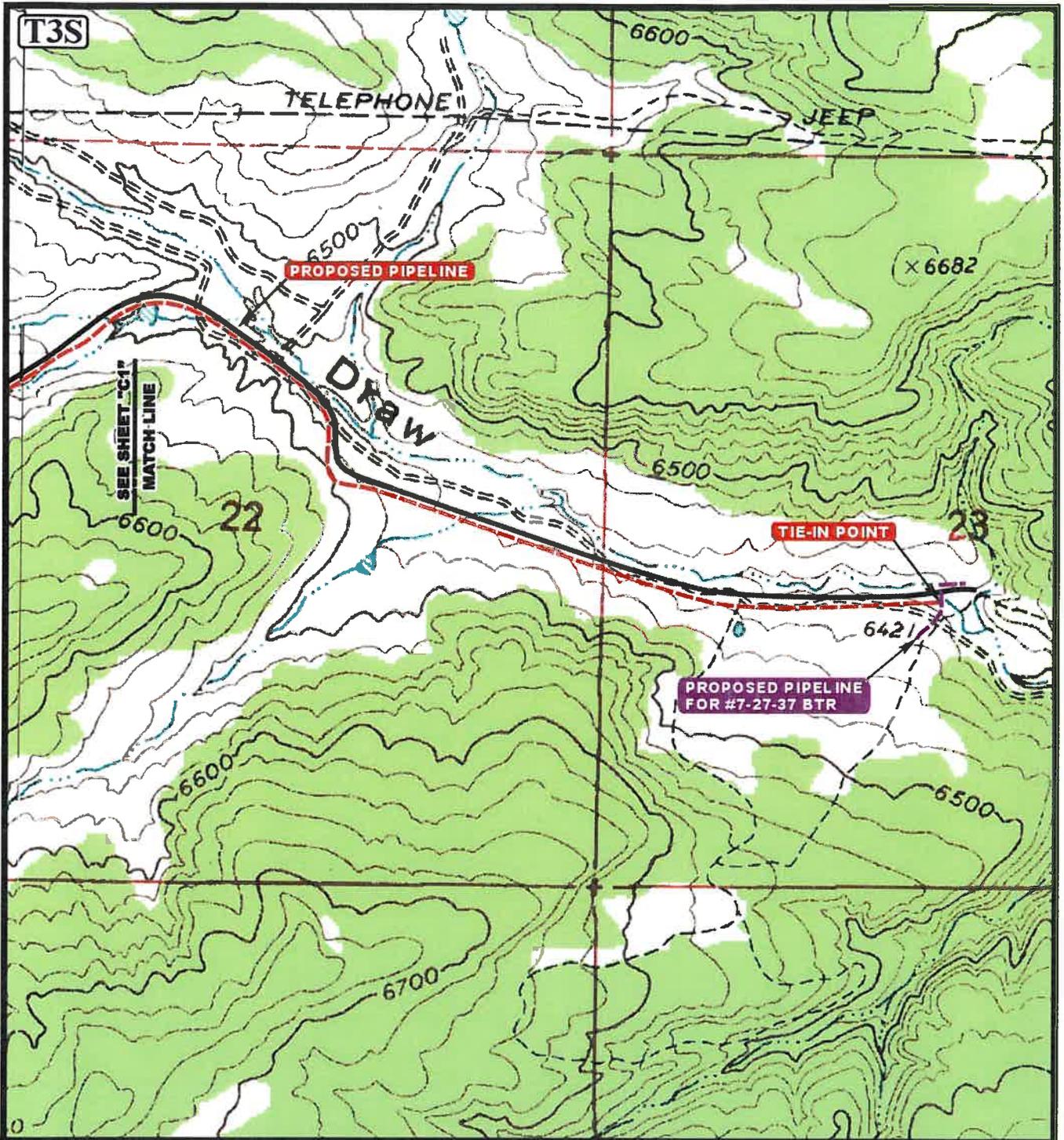
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 • FAX (435) 789-1813

TOPOGRAPHIC
MAP

03 25 11
 MONTH DAY YEAR



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



APPROXIMATE TOTAL PIPELINE DISTANCE = 12,530' +/-

BILL BARRETT CORPORATION

#14-21D-37 BTR

SECTION 21, T3S, R7W, U.S.B.&M.

622' FSL 2493' FWL

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



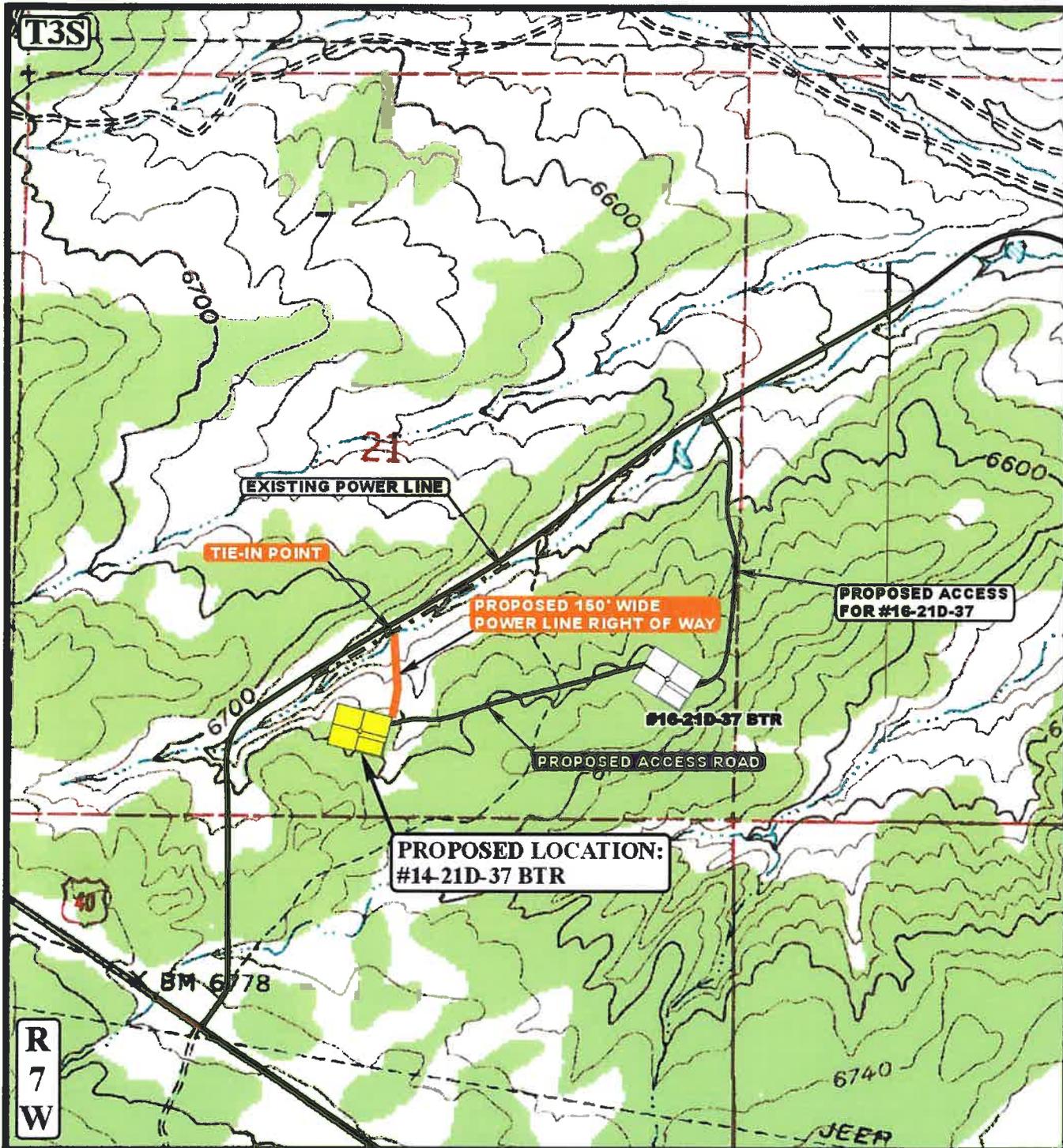
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

03 25 11
 MONTH DAY YEAR



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



APPROXIMATE TOTAL POWER LINE DISTANCE = 614' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING POWERLINE
-  PROPOSED POWER LINE

BILL BARRETT CORPORATION

#14-21D-37 BTR
SECTION 21, T3S, R7W, U.S.B.&M.
622' FSL 2493' FWL

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



TOPOGRAPHIC MAP 03 25 11
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: J.J. REVISED: 00-00-00



Project: Duchesne County, UT (NAD 1927)
 Site: Sec. 21-T3S-R7W
 Well: #14-21D-37 BTR
 Wellbore: Plan A Rev 0
 Plan: Plan A Rev 0 Proposal

Bill Barrett Corp



SECTION DETAILS

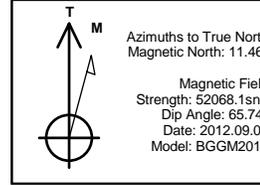
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
2	3100.00	0.00	0.000	3100.00	0.00	0.00	0.00	0.00	0.00
3	3334.97	0.00	0.000	3334.97	0.00	0.00	0.00	0.00	0.00
4	3784.97	9.00	289.633	3783.12	11.85	-33.22	2.00	289.63	35.27
5	6682.99	9.00	289.633	6645.46	164.17	-460.22	0.00	0.00	488.62
6	7282.99	0.00	0.000	7243.00	179.97	-504.51	1.50	180.00	535.65
7	7382.99	0.00	0.000	7343.00	179.97	-504.51	0.00	0.00	535.65
8	10869.99	0.00	0.000	10830.00	179.97	-504.51	0.00	0.00	535.65

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
#14-21D-37 BTR_SHL	0.00	0.00	0.00	
#14-21D-37 BTR_ZONE Tgt	7343.00	179.97	-504.51	Rectangle (Sides: L200.00 W200.00)
#14-21D-37 BTR_BHL Tgt	10830.00	179.97	-504.51	Point

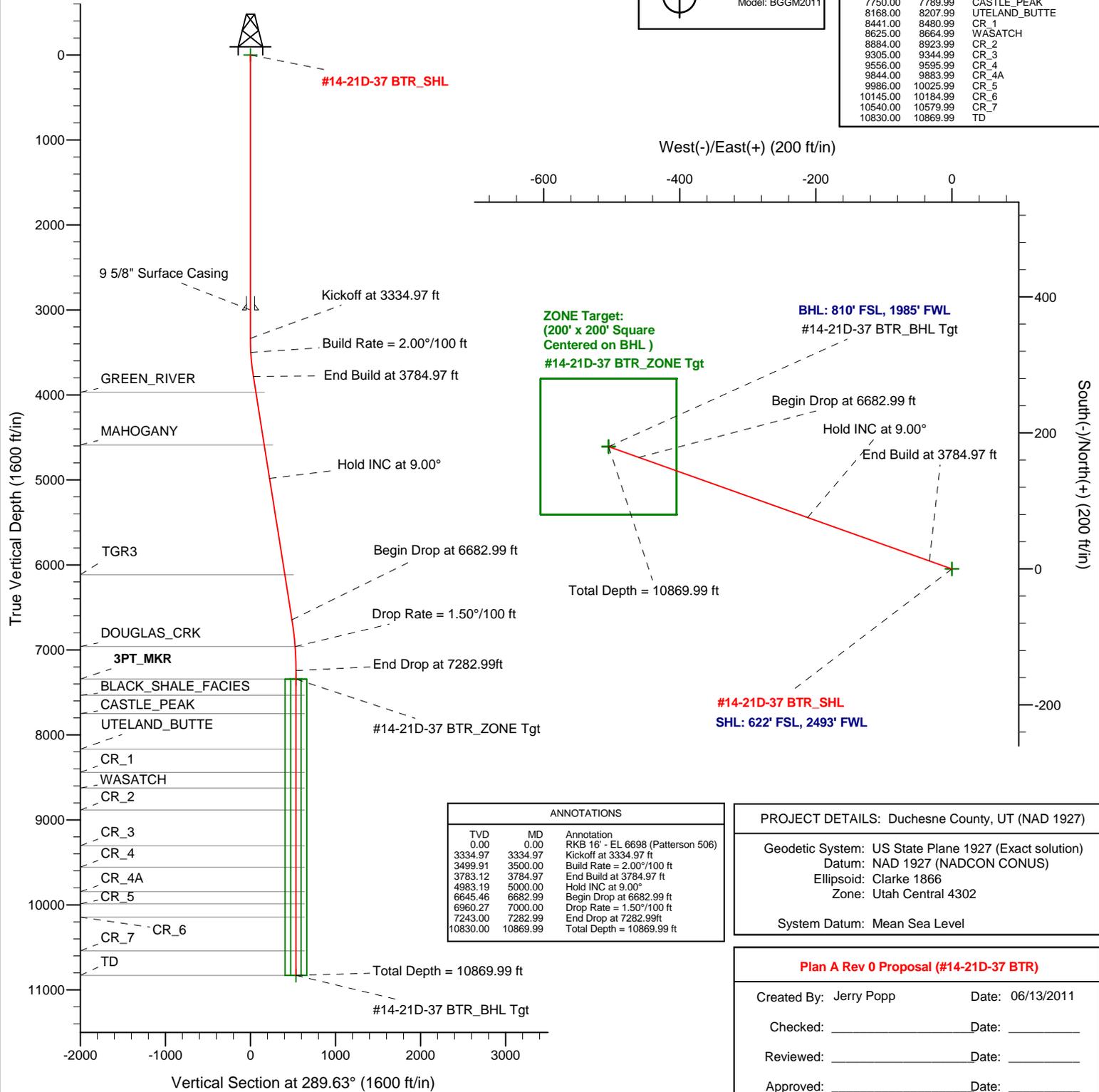
WELL DETAILS: #14-21D-37 BTR

Ground Level:	6682.00
Northing	0.00680781.56
Easting	2228888.88
Latitude	40° 11' 58.391 N
Longitude	110° 40' 50.048 W



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3968.00	3972.15	GREEN_RIVER
4588.00	4599.88	MAHOGANY
6114.00	6144.90	TGR3
6960.00	6999.73	DOUGLAS_CRK
7343.00	7382.99	3PT_MKR
7533.00	7572.99	BLACK_SHALE_FACIES
7750.00	7789.99	CASTLE_PEAK
8168.00	8207.99	UTELAND_BUTTE
8441.00	8480.99	CR_1
8625.00	8664.99	WASATCH
8884.00	8923.99	CR_2
9305.00	9344.99	CR_3
9556.00	9595.99	CR_4
9844.00	9883.99	CR_4A
9986.00	10025.99	CR_5
10145.00	10184.99	CR_6
10540.00	10579.99	CR_7
10830.00	10869.99	TD



ANNOTATIONS

TVD	MD	Annotation
0.00	0.00	RKB 16' - EL 6698 (Patterson 506)
3334.97	3334.97	Kickoff at 3334.97 ft
3499.91	3500.00	Build Rate = 2.00°/100 ft
3783.12	3784.97	End Build at 3784.97 ft
4983.19	5000.00	Hold INC at 9.00°
6645.46	6682.99	Begin Drop at 6682.99 ft
6960.27	7000.00	Drop Rate = 1.50°/100 ft
7243.00	7282.99	End Drop at 7282.99ft
10830.00	10869.99	Total Depth = 10869.99 ft

PROJECT DETAILS: Duchesne County, UT (NAD 1927)

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

Plan A Rev 0 Proposal (#14-21D-37 BTR)

Created By: Jerry Popp Date: 06/13/2011
 Checked: _____ Date: _____
 Reviewed: _____ Date: _____
 Approved: _____ Date: _____



Plan Report for #14-21D-37 BTR - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RKB 16' - EL 6698 (Patterson 506)										
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.000	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.000	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.000	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.000	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.000	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.000	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.000	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.000	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.000	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.000	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8" Surface Casing										
3,100.00	0.00	0.000	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.000	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.000	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,334.97	0.00	0.000	3,334.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kickoff at 3334.97 ft										
3,400.00	1.30	289.633	3,399.99	0.25	-0.70	0.74	2.00	2.00	0.00	289.63
3,500.00	3.30	289.633	3,499.91	1.60	-4.48	4.75	2.00	2.00	0.00	0.00
Build Rate = 2.00°/100 ft										
3,600.00	5.30	289.633	3,599.62	4.12	-11.54	12.25	2.00	2.00	0.00	0.00
3,700.00	7.30	289.633	3,699.01	7.80	-21.87	23.22	2.00	2.00	0.00	0.00
3,784.97	9.00	289.633	3,783.12	11.85	-33.22	35.27	2.00	2.00	0.00	0.00
End Build at 3784.97 ft										
3,800.00	9.00	289.633	3,797.97	12.64	-35.43	37.62	0.00	0.00	0.00	0.00
3,900.00	9.00	289.633	3,896.74	17.90	-50.17	53.27	0.00	0.00	0.00	0.00
3,972.15	9.00	289.633	3,968.00	21.69	-60.80	64.55	0.00	0.00	0.00	0.00
GREEN RIVER										
4,000.00	9.00	289.633	3,995.50	23.15	-64.90	68.91	0.00	0.00	0.00	0.00
4,100.00	9.00	289.633	4,094.27	28.41	-79.64	84.55	0.00	0.00	0.00	0.00
4,200.00	9.00	289.633	4,193.04	33.67	-94.37	100.20	0.00	0.00	0.00	0.00
4,300.00	9.00	289.633	4,291.81	38.92	-109.10	115.84	0.00	0.00	0.00	0.00
4,400.00	9.00	289.633	4,390.58	44.18	-123.84	131.48	0.00	0.00	0.00	0.00
4,500.00	9.00	289.633	4,489.35	49.43	-138.57	147.13	0.00	0.00	0.00	0.00
4,599.88	9.00	289.633	4,588.00	54.68	-153.29	162.75	0.00	0.00	0.00	0.00
MAHOGANY										

Plan Report for #14-21D-37 BTR - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Tooface Azimuth (°)
4,600.00	9.00	289.633	4,588.12	54.69	-153.31	162.77	0.00	0.00	0.00	0.00
4,700.00	9.00	289.633	4,686.89	59.95	-168.04	178.41	0.00	0.00	0.00	0.00
4,800.00	9.00	289.633	4,785.65	65.20	-182.77	194.06	0.00	0.00	0.00	0.00
4,900.00	9.00	289.633	4,884.42	70.46	-197.51	209.70	0.00	0.00	0.00	0.00
5,000.00	9.00	289.633	4,983.19	75.71	-212.24	225.34	0.00	0.00	0.00	0.00
Hold INC at 9.00°										
5,100.00	9.00	289.633	5,081.96	80.97	-226.98	240.99	0.00	0.00	0.00	0.00
5,200.00	9.00	289.633	5,180.73	86.23	-241.71	256.63	0.00	0.00	0.00	0.00
5,300.00	9.00	289.633	5,279.50	91.48	-256.44	272.27	0.00	0.00	0.00	0.00
5,400.00	9.00	289.633	5,378.27	96.74	-271.18	287.92	0.00	0.00	0.00	0.00
5,500.00	9.00	289.633	5,477.04	101.99	-285.91	303.56	0.00	0.00	0.00	0.00
5,600.00	9.00	289.633	5,575.81	107.25	-300.65	319.20	0.00	0.00	0.00	0.00
5,700.00	9.00	289.633	5,674.57	112.51	-315.38	334.85	0.00	0.00	0.00	0.00
5,800.00	9.00	289.633	5,773.34	117.76	-330.11	350.49	0.00	0.00	0.00	0.00
5,900.00	9.00	289.633	5,872.11	123.02	-344.85	366.13	0.00	0.00	0.00	0.00
6,000.00	9.00	289.633	5,970.88	128.27	-359.58	381.78	0.00	0.00	0.00	0.00
6,100.00	9.00	289.633	6,069.65	133.53	-374.32	397.42	0.00	0.00	0.00	0.00
6,144.90	9.00	289.633	6,114.00	135.89	-380.93	404.45	0.00	0.00	0.00	0.00
TGR3										
6,200.00	9.00	289.633	6,168.42	138.79	-389.05	413.06	0.00	0.00	0.00	0.00
6,300.00	9.00	289.633	6,267.19	144.04	-403.78	428.71	0.00	0.00	0.00	0.00
6,400.00	9.00	289.633	6,365.96	149.30	-418.52	444.35	0.00	0.00	0.00	0.00
6,500.00	9.00	289.633	6,464.73	154.56	-433.25	460.00	0.00	0.00	0.00	0.00
6,600.00	9.00	289.633	6,563.49	159.81	-447.99	475.64	0.00	0.00	0.00	0.00
6,682.99	9.00	289.633	6,645.46	164.17	-460.21	488.62	0.00	0.00	0.00	0.00
Begin Drop at 6682.99 ft										
6,700.00	8.74	289.633	6,662.27	165.05	-462.69	491.24	1.50	-1.50	0.00	180.00
6,800.00	7.24	289.633	6,761.29	169.73	-475.79	505.15	1.50	-1.50	0.00	180.00
6,900.00	5.74	289.633	6,860.65	173.53	-486.44	516.46	1.50	-1.50	0.00	180.00
6,999.73	4.25	289.633	6,960.00	176.45	-494.62	525.15	1.50	-1.50	0.00	180.00
DOUGLAS_CRK										
7,000.00	4.24	289.633	6,960.27	176.45	-494.64	525.17	1.50	-1.50	0.00	-180.00
Drop Rate = 1.50°/100 ft										
7,100.00	2.74	289.633	7,060.08	178.50	-500.38	531.27	1.50	-1.50	0.00	180.00
7,200.00	1.24	289.633	7,160.01	179.67	-503.66	534.75	1.50	-1.50	0.00	180.00
7,282.99	0.00	0.000	7,243.00	179.97	-504.51	535.65	1.50	-1.50	84.79	180.00
End Drop at 7282.99ft										
7,300.00	0.00	0.000	7,260.01	179.97	-504.51	535.65	0.00	0.00	0.00	180.00
7,382.99	0.00	0.000	7,343.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
3PT_MKR - #14-21D-37 BTR_ZONE Tgt										
7,400.00	0.00	0.000	7,360.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
7,500.00	0.00	0.000	7,460.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
7,572.99	0.00	0.000	7,533.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
BLACK_SHALE_FACIES										
7,600.00	0.00	0.000	7,560.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
7,700.00	0.00	0.000	7,660.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
7,789.99	0.00	0.000	7,750.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CASTLE_PEAK										
7,800.00	0.00	0.000	7,760.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
7,900.00	0.00	0.000	7,860.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,000.00	0.00	0.000	7,960.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,100.00	0.00	0.000	8,060.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,200.00	0.00	0.000	8,160.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,207.99	0.00	0.000	8,168.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
UTELAND_BUTTE										
8,300.00	0.00	0.000	8,260.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,400.00	0.00	0.000	8,360.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,480.99	0.00	0.000	8,441.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00

Plan Report for #14-21D-37 BTR - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Tooface Azimuth (°)
CR_1										
8,500.00	0.00	0.000	8,460.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,600.00	0.00	0.000	8,560.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,664.99	0.00	0.000	8,625.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
WASATCH										
8,700.00	0.00	0.000	8,660.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,800.00	0.00	0.000	8,760.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,900.00	0.00	0.000	8,860.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
8,923.99	0.00	0.000	8,884.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_2										
9,000.00	0.00	0.000	8,960.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,100.00	0.00	0.000	9,060.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,200.00	0.00	0.000	9,160.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,300.00	0.00	0.000	9,260.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,344.99	0.00	0.000	9,305.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_3										
9,400.00	0.00	0.000	9,360.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,500.00	0.00	0.000	9,460.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,595.99	0.00	0.000	9,556.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_4										
9,600.00	0.00	0.000	9,560.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,700.00	0.00	0.000	9,660.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,800.00	0.00	0.000	9,760.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
9,883.99	0.00	0.000	9,844.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_4A										
9,900.00	0.00	0.000	9,860.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,000.00	0.00	0.000	9,960.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,025.99	0.00	0.000	9,986.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_5										
10,100.00	0.00	0.000	10,060.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,184.99	0.00	0.000	10,145.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_6										
10,200.00	0.00	0.000	10,160.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,300.00	0.00	0.000	10,260.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,400.00	0.00	0.000	10,360.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,500.00	0.00	0.000	10,460.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,579.99	0.00	0.000	10,540.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
CR_7										
10,600.00	0.00	0.000	10,560.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,700.00	0.00	0.000	10,660.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,800.00	0.00	0.000	10,760.01	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
10,869.99	0.00	0.000	10,830.00	179.97	-504.51	535.65	0.00	0.00	0.00	0.00
Total Depth = 10869.99 ft - #14-21D-37 BTR_BHL Tgt										

Plan Report for #14-21D-37 BTR - Plan A Rev 0 Proposal**Plan Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
0.00	0.00	0.00	0.00	RKB 16' - EL 6698 (Patterson 506)
3,334.97	3,334.97	0.00	0.00	Kickoff at 3334.97 ft
3,500.00	3,499.91	1.60	-4.48	Build Rate = 2.00°/100 ft
3,784.97	3,783.12	11.85	-33.22	End Build at 3784.97 ft
5,000.00	4,983.19	75.71	-212.24	Hold INC at 9.00°
6,682.99	6,645.46	164.17	-460.21	Begin Drop at 6682.99 ft
7,000.00	6,960.27	176.45	-494.64	Drop Rate = 1.50°/100 ft
7,282.99	7,243.00	179.97	-504.51	End Drop at 7282.99ft
10,869.99	10,830.00	179.97	-504.51	Total Depth = 10869.99 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/_S (ft)	+E/-W (ft)	
Target	#14-21D-37 BTR_BHL Tgt	289.633	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	10,869.99	Plan A Rev 0 Proposal	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
3,000.00	3,000.00	9 5/8" Surface Casing	9-5/8	13-1/2

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,972.15	3,968.00	GREEN_RIVER			
4,599.88	4,588.00	MAHOGANY			
6,144.90	6,114.00	TGR3			
6,999.73	6,960.00	DOUGLAS_CRK			
7,382.99	7,343.00	3PT_MKR			
7,572.99	7,533.00	BLACK_SHALE_FACIES			
7,789.99	7,750.00	CASTLE_PEAK			
8,207.99	8,168.00	UTELAND_BUTTE			
8,480.99	8,441.00	CR_1			
8,664.99	8,625.00	WASATCH			
8,923.99	8,884.00	CR_2			
9,344.99	9,305.00	CR_3			
9,595.99	9,556.00	CR_4			
9,883.99	9,844.00	CR_4A			
10,025.99	9,986.00	CR_5			
10,184.99	10,145.00	CR_6			
10,579.99	10,540.00	CR_7			
10,869.99	10,830.00	TD			

Plan Report for #14-21D-37 BTR - Plan A Rev 0 Proposal

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
#14-21D-37 BTR_ZONE Tgt	7,343.00	179.97	-504.51	Rectangle
#14-21D-37 BTR_SHL	0.00	0.00	0.00	Point
#14-21D-37 BTR_BHL Tgt	10,830.00	179.97	-504.51	Point

North Reference Sheet for Sec. 21-T3S-R7W - #14-21D-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 ft @ 6698.00ft (Original Well Elev). Northing and Easting are relative to #14-21D-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 -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991902

Grid Coordinates of Well: 680,781.56 ft N, 2,228,888.88 ft E

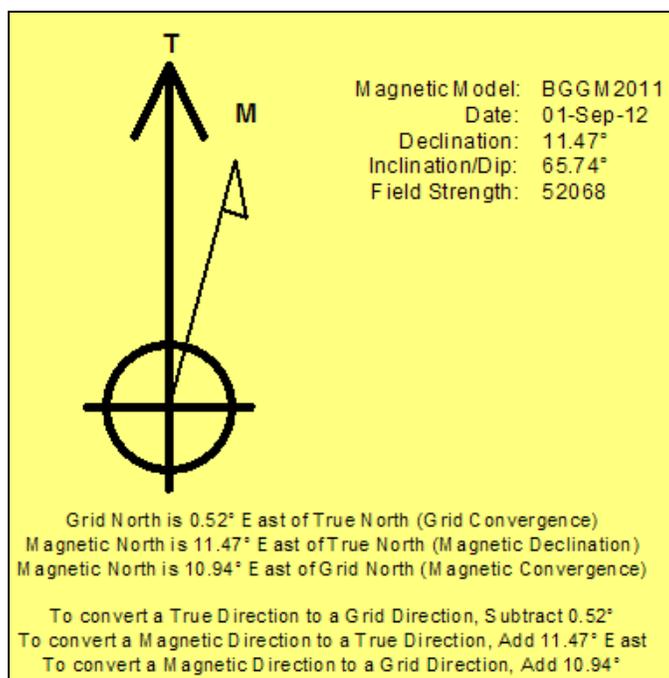
Geographical Coordinates of Well: 40° 11' 58.39" N, 110° 40' 50.05" W

Grid Convergence at Surface is: 0.52°

Based upon Minimum Curvature type calculations, at a Measured Depth of 10,869.99ft

the Bottom Hole Displacement is 535.65ft in the Direction of 289.63° (True).

Magnetic Convergence at surface is: -10.94° (1 September 2012, , BGGM2011)



SURFACE DAMAGE AND RIGHT-OF-WAY SETTLEMENT AGREEMENT

This Agreement, made and entered into this the 18th day of April, 2011, 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 Section 21, Township 3 South, Range 7 West, USM, of Duchesne County, Utah; and,

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

WHEREAS, BBC, pursuant to its rights under the Leases, intends to drill the #14-21D-37 BTR well at a legal drill-site location in the SE1/4SW1/4 and the SW1/4SE1/4 of Section 21, Township 3 South, Range 7 West, USM, Duchesne County, Utah; and,

WHEREAS, Surface Owner warrants ownership to the surface of at least specific portions of the SE1/4SW1/4 and the S1/2SE1/4 Section 21, Township 3 South, Range 7 West, USM, Duchesne County, Utah, and which warranted ownership is further subject to all oil, gas and other mineral rights which are reserved for the use and benefit of the owners thereof; and,





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

BBC shall repair any fences and gates damaged by them during the course of their operations on the lands subject to this Agreement.

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

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

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

SURFACE USE PLAN

BILL BARRETT CORPORATION

14-21D-37 BTR Well Pad

SE SW, 622' FSL and 2493' FWL, Section 21, T3S, R7W, USB&M (surface hole)

SE SW, 810' FSL and 1985' FWL, Section 21, T3S, R7W, USB&M (bottom hole)

Duchesne County, Utah

The project is located entirely on Deep Creek Investments private surface with surface use in place with the well penetrating Ute Tribe minerals.

The onsite inspection with the surface owner was completed on June 14, 2011. Site specific conditions and/or mitigation measures will be as follows:

- 1. Leave trees for firewood gathering per surface owner request**
- 2. Utilize 20 mil liner over felt (minimum)**

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 17.9 miles northwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing Duchesne County maintained Koch Road (CR 23) would be utilized for 1.2 miles to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- 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

Bill Barrett Corporation
Surface Use Plan
#14-21D-37 BTR
Duchesne County, UT

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

2. Planned Access Road:

- a. Approximately 1,925 feet of new access road trending west is planned from the proposed 16-21D-37 BTR access road. The 16-21D-37 BTR access (permit applied for) continues an additional 2,129 feet to the existing Duchesne County maintained Koch Road (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.

Bill Barrett Corporation
Surface Use Plan
#14-21D-37 BTR
Duchesne County, UT

- i. Two 24 inch culverts for the 14-21D-37 proposed access and two 24” culverts and one 36” culvert will be installed for the 16-21D-37 proposed access. No low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
 - j. No gates or cattle guards are anticipated at this time.
 - k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
 - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
 - m. The operator would be responsible for all maintenance needs of the new access road.
3. Location of Existing Wells (see One-Mile Radius Map):
- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
 - i. water wells none
 - ii. injection wells none
 - iii. disposal wells none
 - iv. drilling wells none
 - v. temp shut-in wells one
 - vi. producing wells none
 - 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.

Bill Barrett Corporation
Surface Use Plan
#14-21D-37 BTR
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If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.

- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 12,530 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 12 inch in diameter, one water line up to 8 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending northwest to the proposed 7-27-37 BTR pipeline corridor. The 7-27-37 BTR pipeline corridor (permit applied for) continues approximately 1,627 feet to the existing pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC and El Paso wells. The pipeline crosses entirely private surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.

Bill Barrett Corporation
 Surface Use Plan
 #14-21D-37 BTR
 Duchesne County, UT

- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

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

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

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

Bill Barrett Corporation
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Duchesne County, UT

6. Source of Construction Material:

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

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 20 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),

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Disposal Facilities
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 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.

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BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

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

8. Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor 614 feet in length is proposed for installation by a third-party installer within a 150 foot wide powerline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 300 feet with an inboard reserve pit size of 100 feet x 205 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.

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- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
 - h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
 - i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
 - j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
 - k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
10. Plan for Restoration of the Surface:
- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency or the fee landowners.
 - b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
 - c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
 - d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
 - e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and

Bill Barrett Corporation
Surface Use Plan
#14-21D-37 BTR
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

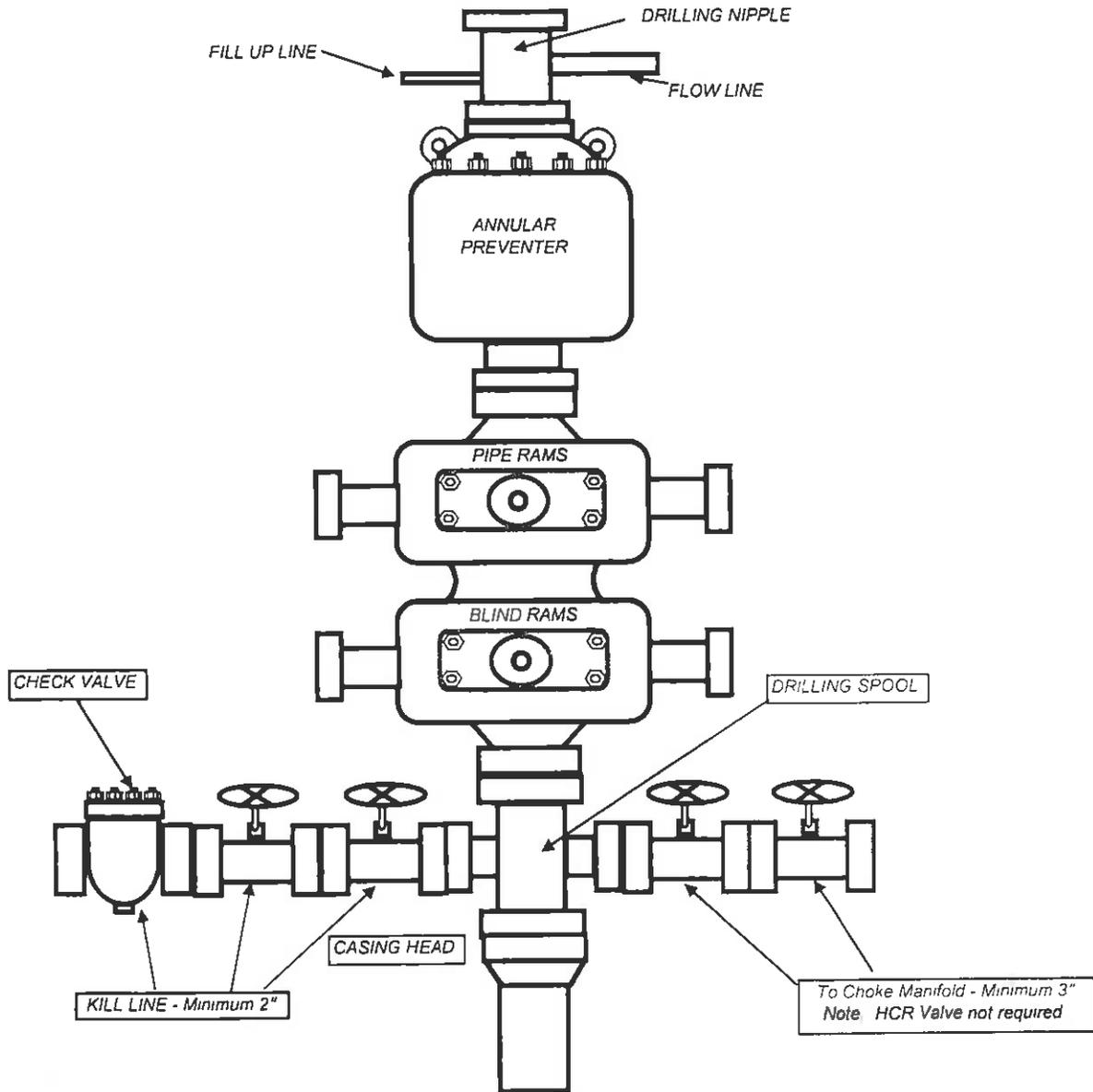
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made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

Executed this 21st day of June 2011
Name: Venessa Langmacher
Position Title: Senior Permit Analyst
Address: 1099 18th Street, Suite 2300, Denver, CO 80202
Telephone: 303-312-8172
E-mail: vlangmacher@billbarrettcorp.com
Field Representative Kary Eldredge / Bill Barrett Corporation
Address: 1820 W. Highway 40, Roosevelt, UT 84066
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)
E-mail: keldredge@billbarrettcorp.com

Venessa Langmacher
Venessa Langmacher, Senior Permit Analyst

BILL BARRETT CORPORATION

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





June 21, 2011

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

Re: Directional Drilling R649-3-11
Blacktail Ridge Area #14-21D-37 BTR Well
Surface: 622' FSL & 2,493' FWL, SESW, 21-T3S-R7W, USM
Bottom Hole: 810' FSL & 1,985' FWL, SESW, 21-T3S-R7W, USM
Duchesne County, Utah

Dear Ms. Mason,

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

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

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

Sincerely,


David Watts

Landman

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

RECEIVED: Jun. 28, 2011

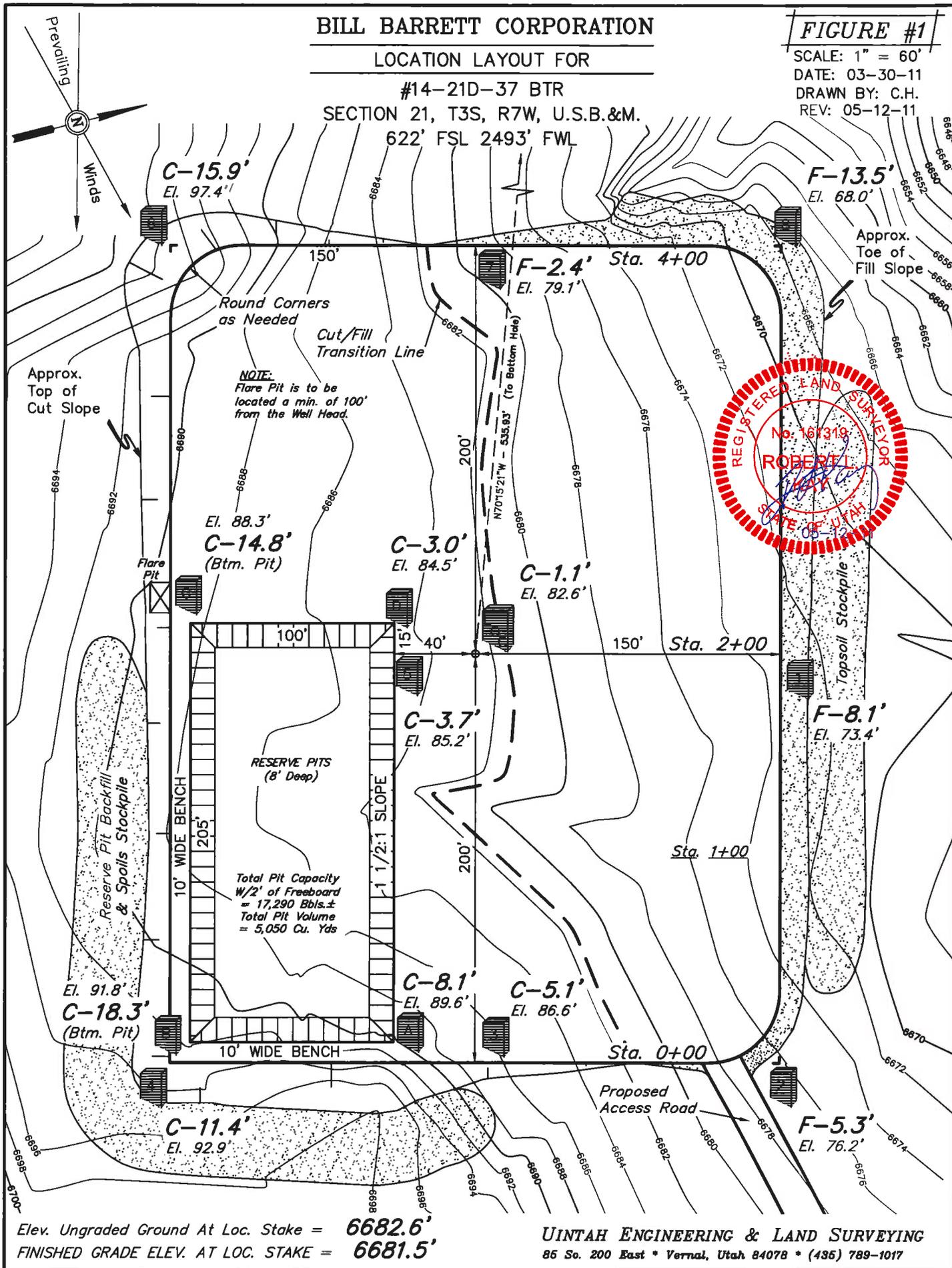
BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

#14-21D-37 BTR
SECTION 21, T3S, R7W, U.S.B.&M.
622' FSL 2493' FWL

FIGURE #1

SCALE: 1" = 60'
DATE: 03-30-11
DRAWN BY: C.H.
REV: 05-12-11



Elev. Ungraded Ground At Loc. Stake = **6682.6'**
FINISHED GRADE ELEV. AT LOC. STAKE = **6681.5'**

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

BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

#14-21D-37 BTR

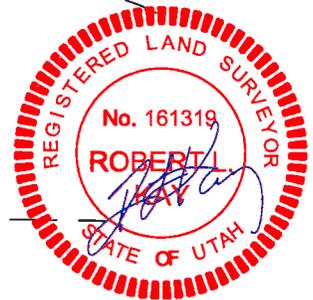
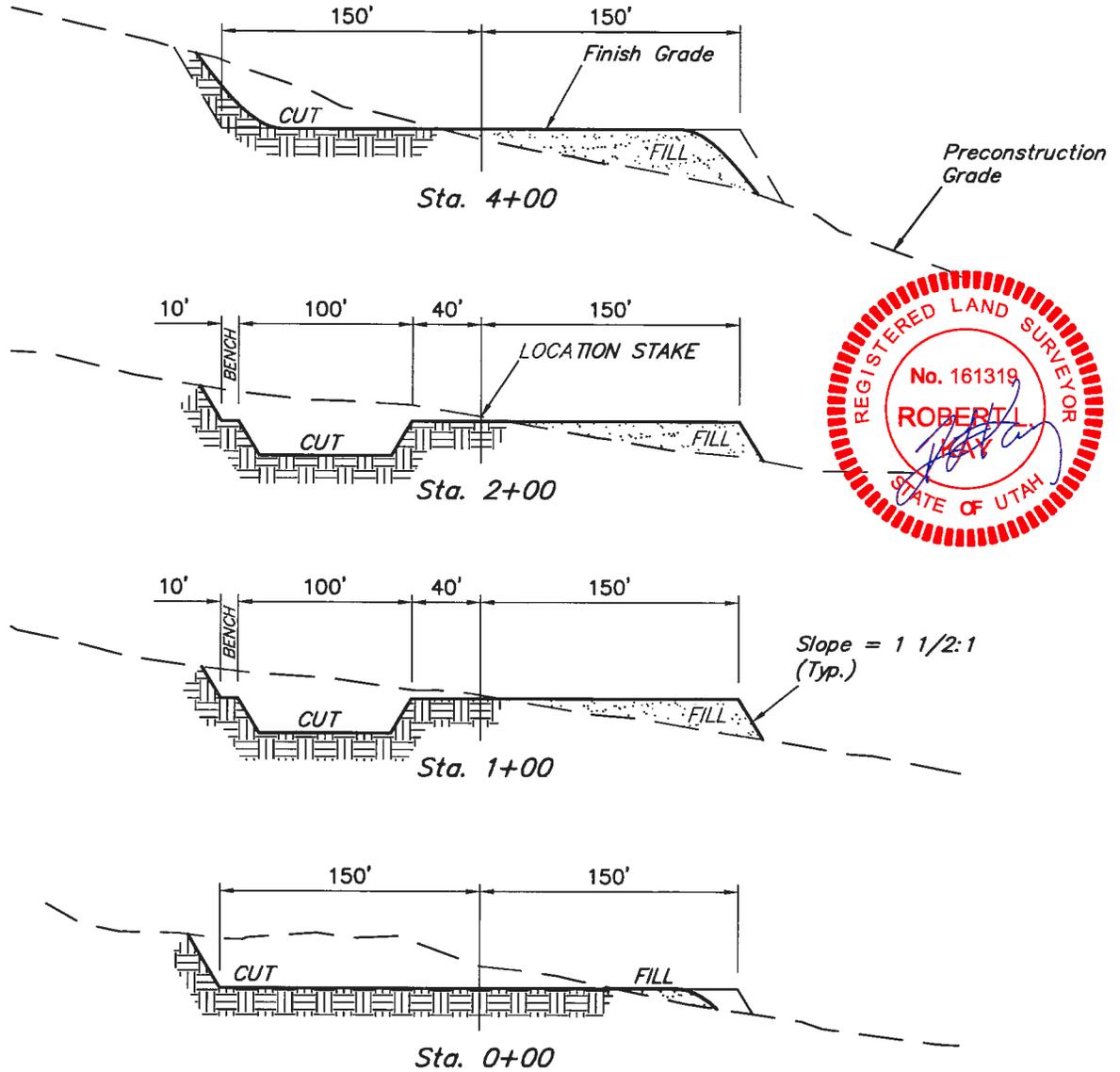
SECTION 21, T3S, R7W, U.S.B.&M.

622' FSL 2493' FWL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

DATE: 03-30-11
DRAWN BY: C.H.



NOTE:

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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	2,670 Cu. Yds.
Remaining Location	=	16,820 Cu. Yds.
TOTAL CUT	=	19,490 CU.YDS.
FILL	=	12,640 CU.YDS.

EXCESS MATERIAL	=	6,850 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	5,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	1,650 Cu. Yds.

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BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

#14-21D-37 BTR

SECTION 21, T3S, R7W, U.S.B.&M.

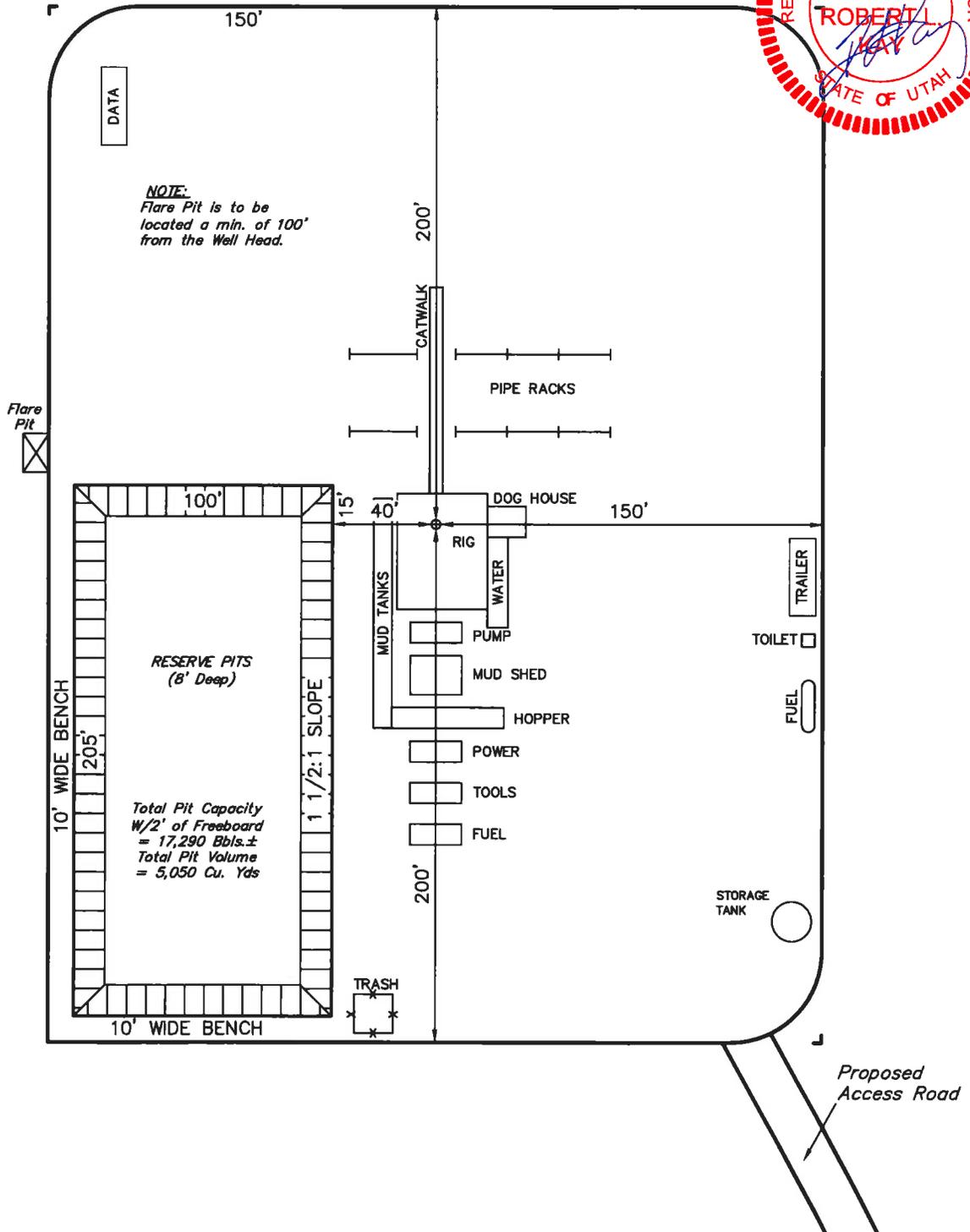
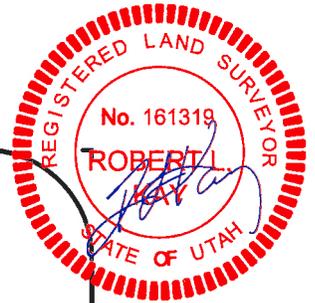
622' FSL 2493' FWL

FIGURE #3

SCALE: 1" = 60'

DATE: 03-30-11

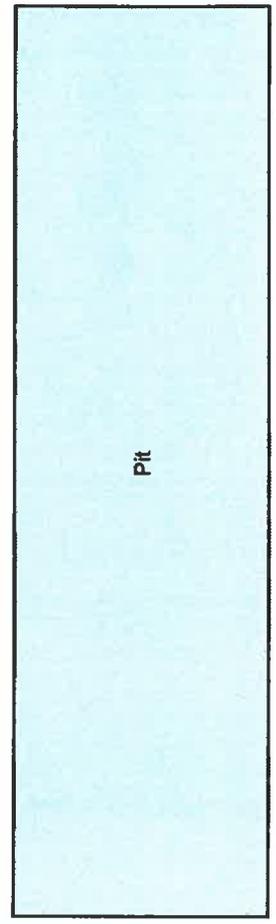
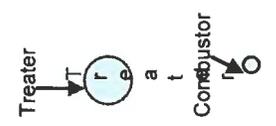
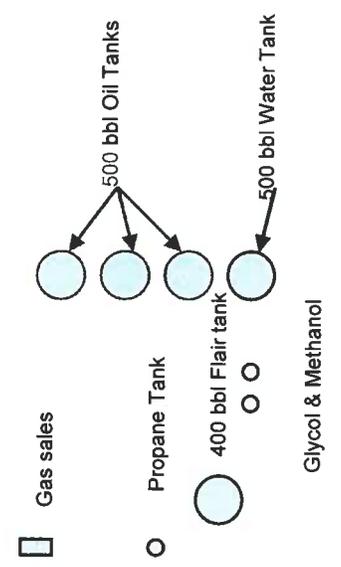
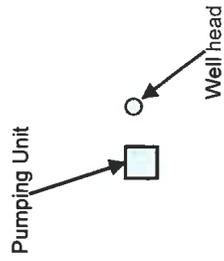
DRAWN BY: C.H.



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

14-21D-37 BTR FACILITY LAYOUT

Access road



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name 14-21D-37 BTR
API Number 43013508590000 **APD No** 4058 **Field/Unit** CEDAR RIM
Location: 1/4,1/4 **SESW** **Sec** 21 **Tw** 3.0S **Rng** 7.0W 622 **FSL** 2493 **FWL**
GPS Coord (UTM) 527189 4449747 **Surface Owner** Deep Creek Investments

Participants

James Hereford (BLM), Kary Eldredge (Bill Barrett), Alan Smith (land owner), Don Hamilton (Star Point), Trevor Anderson (UELS), Joe Avia (EIS), Richard Powell (DOGM), Kelly Jo Jackson (Montgomery)

Regional/Local Setting & Topography

This location is set in the upper section of a sort of bowl which slopes to a small wash to the north. The slopes are quite gradual. Drainage from the small wash then goes to a larger wash called Sink Draw which then drains to Rabbit Gulch. Rabbit Gulch is the predominate topographic feature of the area and drains to Starvation Lake approximately 10 miles to the east. The location is approximately .5 miles north of Hwy 40 approximately 16 miles west of Duchesne, UT.

Surface Use Plan

Current Surface Use

Wildlife Habitat
Deer Winter Range

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.36	Width 300 Length 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Deer, elk, coyote, rabbits and other small mammals, song birds, raptors
Sparse grasses, pinion, juniper, prickly pear.

Soil Type and Characteristics

Sandy clay soil with some scattered rock on surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

Some minor drainage diversions are needed

Berm Required? N

Erosion Sedimentation Control Required? N

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

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	Unknown	10	
	Final Score	30	1 Sensitivity Level

Characteristics / Requirements

The reserve pit will be place in cut in a stable location. The pit will be 100ft x 200ft x 8ft deep with a total capacity including freeboard of 16,830bbl. Kary Eldredge of BBC said they will use a 20 mil liner with a felt sub-liner.

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

Other Observations / Comments

Richard Powell
Evaluator

6/14/2011
Date / Time

Application for Permit to Drill Statement of Basis

6/28/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4058	43013508590000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Deep Creek Investments	
Well Name	14-21D-37 BTR		Unit		
Field	CEDAR RIM		Type of Work	DRILL	
Location	SESW 21 3S 7W U 622 FSL 2493 FWL GPS Coord (UTM) 527226E 4449749N				

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

6/27/2011
Date / Time

Surface Statement of Basis

This presite evaluation was arranged by James Hereford of the BLM. Land owner Alan Smith was in attendance. Mr. Smith stated no concerns with this site but did request that the removed tress be pushed to the side and left available for reclamation purposes. There are some minor drainages on this site but diversion should not be a problem. Mr. Hereford stated no concerns. This appears to be a good location for placement of this well.

Richard Powell
Onsite Evaluator

6/14/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

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

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/21/2011**API NO. ASSIGNED:** 43013508590000**WELL NAME:** 14-21D-37 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**PHONE NUMBER:** 303 312-8172**CONTACT:** Venessa Langmacher**PROPOSED LOCATION:** SESW 21 030S 070W**Permit Tech Review:** **SURFACE:** 0622 FSL 2493 FWL**Engineering Review:** **BOTTOM:** 0810 FSL 1985 FWL**Geology Review:** **COUNTY:** DUCHESNE**LATITUDE:** 40.19959**LONGITUDE:** -110.68012**UTM SURF EASTINGS:** 527226.00**NORTHINGS:** 4449749.00**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**

Commingle 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 LGGRV-WSTC Wells in Drilling Units
- R649-3-11. Directional Drill**

Comments: Presite Completed

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



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: 14-21D-37 BTR
API Well Number: 43013508590000
Lease Number: 2OG0005608
Surface Owner: FEE (PRIVATE)
Approval Date: 6/28/2011

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.

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

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

Notification Requirements:

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

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

Reporting Requirements:

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

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

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

JUN 21 2011

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 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
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		8. Lease Name and Well No. 14-21D-37 BTR
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	9. API Well No. 43-013-50859
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESW 622FSL 2493FWL 40.199508 N Lat, 110.681283 W Lon At proposed prod. zone SESW 810FSL 1985FWL 40.200003 N Lat, 110.683089 W Lon		10. Field and Pool, or Exploratory CEDAR RIM
14. Distance in miles and direction from nearest town or post office* 17.9 MILES NORTHWEST OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T3S R7W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810'	16. No. of Acres in Lease 66101.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 937'	19. Proposed Depth 10870 MD 10830 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6683 GL	22. Approximate date work will start 01/01/2012	17. Spacing Unit dedicated to this well 640.00
		20. BLM/BIA Bond No. on file LPM8874725
		23. Estimated duration 60 DAYS (D&C)

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 06/21/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date OCT 24 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

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

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Additional Operator Remarks (see next page)

Electronic Submission #111088 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 06/24/2011 ()

NOTICE OF APPROVAL

UDOGM

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

11SS1734 AE

11/15/22/2011



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Bill Barrett Corporation	Location:	SESW, Sec. 21 T3S R7W USM
Well No:	14-21D-37 BTR	Lease No:	EDA 20G0005608
API No:	43-013-50859	Agreement:	20G0005608

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: blm_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.

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

- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Wood shall be saved per the surface owner's recommendations piled up around well pad and along access roads. Wood from the locations can also be used for reclamation purposes.
- Pipeline route needs to be buried where it crosses the wash as proposed. Unless operator follows proposed access routes, which would be preferred as suggested during the onsite on 6/14/11 in order to minimize the potential disturbances to soils and vegetation.
- All above ground production facilities will be painted Beetle Green on all locations to help blend in with the surrounding habitat.
- Roads should be crown and ditched to divert any runoff from pooling on the road surface itself, this also aids in lessening erosion on the road. Wing ditches can be installed to also aid in control runoff from affecting the proposed road. These should be spaced to adequately catch any runoff along the ditches.
- 6 inches of topsoil must be saved from the sites being disturbed for reclamation purposed only. Topsoil pile should be separated from the subsoil's and stored so topsoil is not affected by erosional forces. Piles higher than 8 feet are not recommended, because of the potential for greater erosion.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources, prevent unnecessary surface disturbance, and conform to currently available technology and practice.
- The operator must improve or maintain existing roads in a condition the same as or better than before operations began. The operator must provide any plans for improvement and/or maintenance of existing roads.
- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please

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contact surface owner or the BLM for possible seed mixes to use in the project area. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

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FULL CONTACT INFORMATION

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

SITE SPECIFIC DOWNHOLE COAs:

- A CBL shall be run from TD to Surface on the production casing.

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.

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- 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 BLM_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.

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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 ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

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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.

OCT 27 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
		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: 14-21D-37 BTR
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013508590000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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

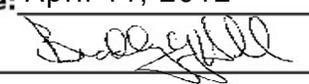
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/11/2012	<input checked="" 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 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="Change in pipeline route"/>

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

This sundry is being submitted as notification that a portion of the pipeline route is changing to be located on the north side of the road instead of the south side because of future concerns appropriate space for both the powerline and pipeline. Approval from the surface owner has been received and this falls within the arch corridor.

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

Date: April 11, 2012

By: 

NAME (PLEASE PRINT)

Tracey Fallang

PHONE NUMBER

303 312-8134

TITLE

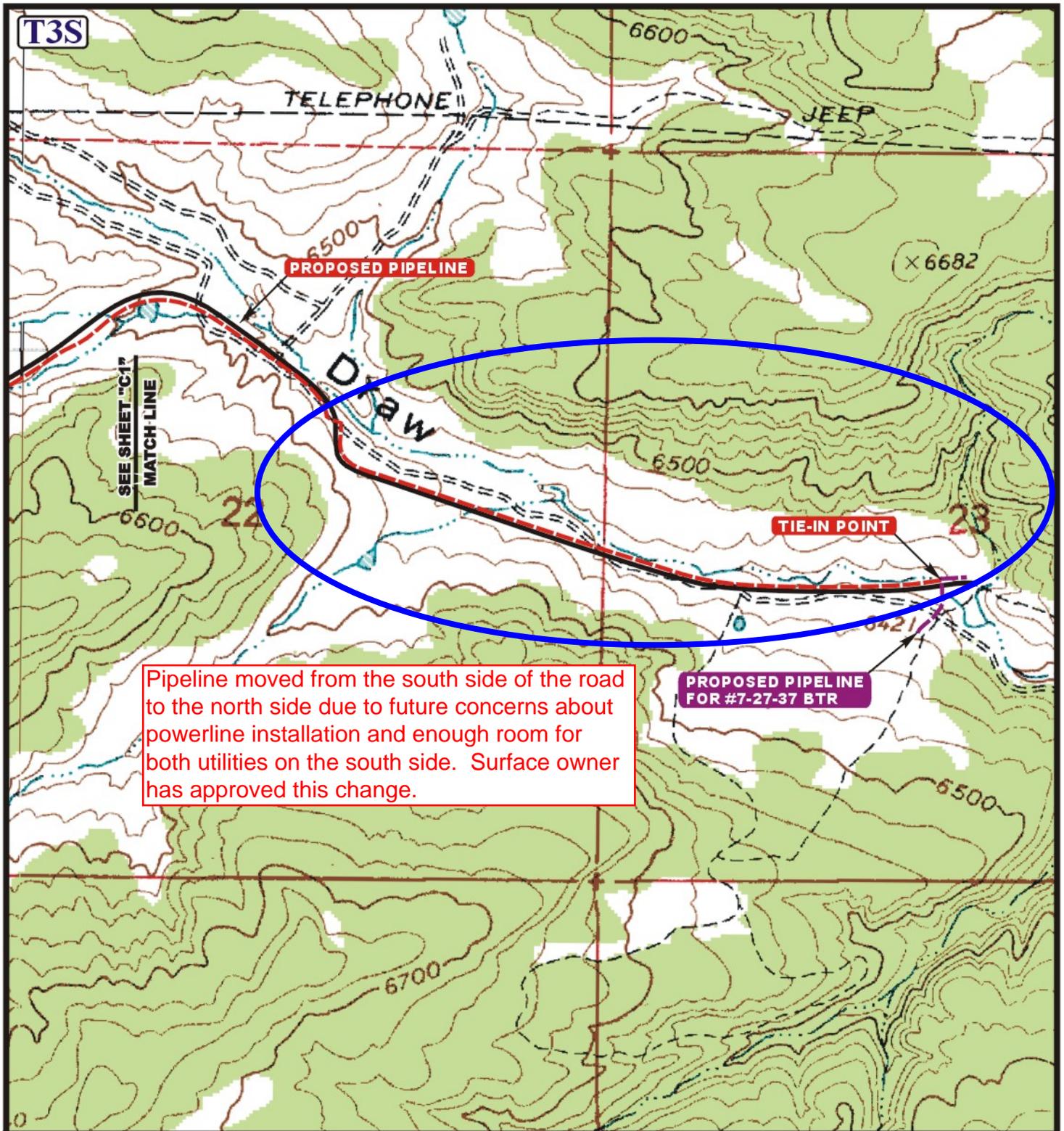
Regulatory Manager

SIGNATURE

N/A

DATE

4/11/2012



APPROXIMATE TOTAL PIPELINE DISTANCE = 12,409' +/-

BILL BARRETT CORPORATION

#14-21D-37 BTR

SECTION 21, T3S, R7W, U.S.B.&M.

622' FSL 2493' FWL

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



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

TOPOGRAPHIC
MAP

03 25 11
 MONTH DAY YEAR

C2
TOPO

SCALE: 1" = 1000'

DRAWN BY: J.J.

REV: 03-21-12 C.I.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	
8. WELL NAME and NUMBER: 14-21D-37 BTR	
9. API NUMBER: 43013508590000	
9. FIELD and POOL or WILDCAT: CEDAR RIM	
COUNTY: DUCHESNE	
STATE: UTAH	
1. TYPE OF WELL Oil Well	
2. NAME OF OPERATOR: BILL BARRETT CORP	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	
PHONE NUMBER: 303 312-8164 Ext	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 03.0S Range: 07.0W Meridian: U	

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 checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input 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="Change in pipeline route"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/11/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

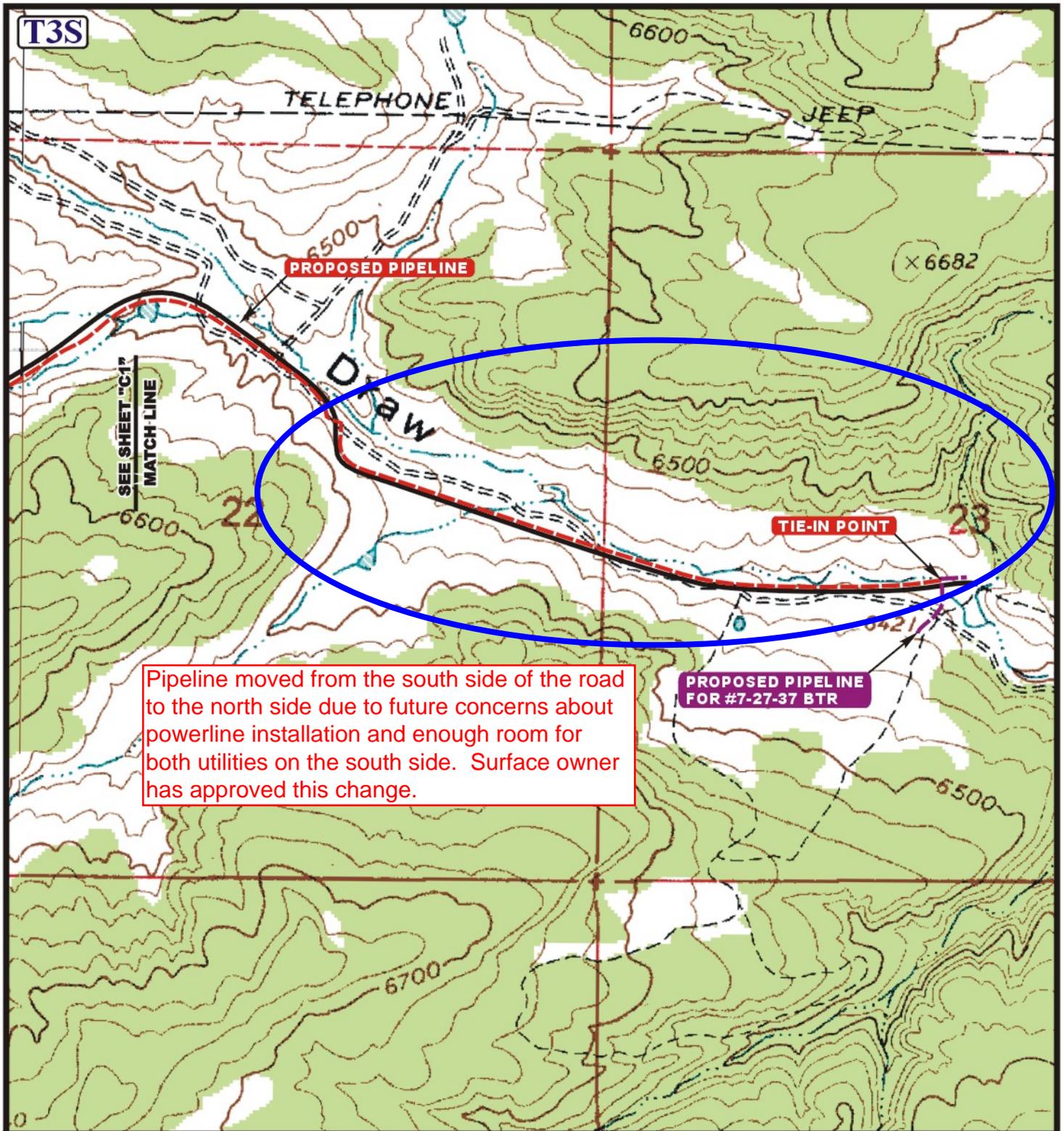
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**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: April 11, 2012
By:

NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager
SIGNATURE N/A	DATE 4/11/2012	



APPROXIMATE TOTAL PIPELINE DISTANCE = 12,409' +/-

BILL BARRETT CORPORATION

#14-21D-37 BTR

SECTION 21, T3S, R7W, U.S.B.&M.

622' FSL 2493' FWL

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



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC
MAP

03 25 11
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: J.J.

REV: 03-21-12 C.I.



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling
 Submitted By Venessa Langmach Phone Number 303-312-8172
 Well Name/Number 14-21D-37 BTR
 Qtr/Qtr SESW Section 21 Township 3S Range 7W
 Lease Serial Number 2OG0005608
 API Number 4301350859

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

Date/Time 05/16/2012 8:00 AM PM

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

- Surface Casing
 Intermediate Casing
 Production Casing
 Liner
 Other

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MAY 09 2012

DIV. OF OIL, GAS &

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 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 14-21D-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013508590000
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: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/17/2012 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well was spud on 05/17/2012 by Triple A Drilling at 9:00 am.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 31, 2012		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 5/31/2012

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
4301350642	3-11D-36 BTR		NENW	11	3S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	18299	18299	11/11/2011			4/11/2012	
Comments: <u>Wasatch formation only.</u>							5/30/2012

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350859	14-21D-37 BTR		SESW	21	3S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18548	5/17/2012			5/30/2012	
Comments: <u>Spudding Operation was conducted by Triple A Drilling @ 9:00 am.</u>							
<u>GR-WS</u>							

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

5/31/2012

Title

Date

RECEIVED

MAY 31 2012

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: 14-21D-37 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013508590000	
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: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 5/31/2012	<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"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Well spud this month, no other May 2012 monthly drilling activity to report.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 12, 2012			
NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst	
SIGNATURE N/A		DATE 6/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		STATE: UTAH
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<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
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	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<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	
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	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No June 2012 monthly drilling activity to report.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 03, 2012
NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A		DATE 7/3/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 2OG0005608
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/19/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

BBC requests to set surface casing on this well at 3600' as opposed to the 3000' that was permitted due to a thicker LC zone in this area. The LC zone is at 2700' and GR at 3957'.

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

Date: July 23, 2012

By: *Derek Quist*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 7/17/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 2OG0005608
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 14-21D-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013508590000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> 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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2012	<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"/>

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

No July 2012 monthly drilling activity to report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 08, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/2/2012	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp. Rig Name/# H&P Rig # 273
Submitted By Monte Long Phone Number 281-833-2777
Well Name/Number 14-21D-37 BTR
Qtr/Qtr SE SW Section 21 Township 3S Range 7W
Lease Serial Number _____
API Number 43-013-50859

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

Date/Time _____ AM PM

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

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

Date/Time 8-21 -12 1400 AM PM

BOPE

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

Date/Time x-x-12 AM PM

Remarks

9 5/8", 36#, J-55, STC Surface Csg xxxx' MTD

RECEIVED
AUG 21 2012
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 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: 14-21D-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013508590000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> 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 checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2012	<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
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

August 2012 monthly drilling activity report is attached.

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

FOR RECORD ONLY

September 06, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A	DATE 9/4/2012	

**14-21D-37 BTR 8/10/2012 06:00 - 8/11/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	1	RIGUP & TEARDOWN	MI/RU H&P #273. Setback Yard In.
13:00	1.00	14:00	21	OPEN	SAfety Stand Down - Electrical Storm.
14:00	16.00	06:00	1	RIGUP & TEARDOWN	MI/RU H&P #273.

14-21D-37 BTR 8/11/2012 06:00 - 8/12/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	21.00	03:00	1	RIGUP	Continue Rig Up - Perform Pre-Spud Safety Inspection & Corrected Items Found.
03:00	3.00	06:00	21	LOAD RACKS W/ BHA	Mix Spud Mud, Nipple Up Conductor, Load Racks w/ BHA , Tools & HWDP. Accept Rig On Daywork Contract @ 03:00, 8/12/12.

14-21D-37 BTR 8/12/2012 06:00 - 8/13/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	21	STRAP & CALIPER BHA	Load Racks w/ BHA - Strap & Caliper Tools. Bit, Motor, Shock Tool, 3Pt Rmr, UBHO, Monel/MWD, Gap Sub, Monel, 3Pt Rmr, XO, 2 8" DCs, XO, 10- 6 1/2" DCs, 14 HWDP.
10:30	2.00	12:30	8	REPAIR RIG	Troubleshoot & Repair Top Drive Power Encoder Cable Plugs.
12:30	1.00	13:30	22	C/O SAVER SUB	Change Out Top Drive Saver Sub.
13:30	2.00	15:30	20	DIRECTIONAL WORK	M/U BHA #1 = PDC Bit - Hunting, 7/8 Lb, 4.0 stg, .17 Rpg, 1.5* B/H Motor - Shock Tool - 3 Pt Rmr - UBHO - NMDC/ EM Tool - Gap Sub - NMDC - 3 Pt Rmr - XO - 2, 8" DCs - XO - 10, 6 1/2" DCs - 14 HWDP = 922.34
15:30	14.50	06:00	2	DRILL ACTUAL	Steerable Drill 12 1/4" Surface Hole = Tag Up @ 104' RKB & Drill New Hole f/ 104' to 708' (604').

14-21D-37 BTR 8/13/2012 06:00 - 8/14/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	2	DRILL ACTUAL	Steerable Drill f/ 708' to 861' (153'). 43.7/ hr. - Wob 15k, Rpm 60, Motor 99, Gpm 630, SPP 900 psi,
09:30	1.00	10:30	21	TIGHTEN TDS ELEC. CONNS	Tighten Electrical Connections, Loosened By Vibration From Drilling Surface.
10:30	6.00	16:30	2	DRILL ACTUAL	Steerable Drill f/ 861' to 1111' (250'). 41.6'/ Hr. - Wob 18 k, Rpm 65, Motor 115, Gpm 675, SPP 1000 Psi, 60% SS, 40% Shale
16:30	0.50	17:00	7	LUBRICATE RIG	Service Rig
17:00	6.00	23:00	2	DRILL ACTUAL	Steerable Drill f/ 1111' to 1276' (165') Rop Slows To 12'/hr. Wob 22 k, Rpm 55, Motor 99, Gpm 630, SPP 950 Psi. Last 200' 100% Sand. Rop Slowed f/ 30'/hr to 15'/hr
23:00	1.50	00:30	6	TRIPS	TOH w Bit #1 - Good Hole Conditions.
00:30	2.00	02:30	20	DIRECTIONAL WORK	Lay Out MWD & Check Out - Break Off Bit #1. M/U bit #2, install MWD.
02:30	2.00	04:30	6	TRIPS	TIH w/ Bit #2.
04:30	1.50	06:00	2	DRILL ACTUAL	Steerable Drill f/ 1276' to 1299' (23'). Wob 10 - 12 k, Rpm 30, Motor 92, Gpm 540, SPP 930 Psi, Instant Rop @ 30'/ hr.

14-21D-37 BTR 8/14/2012 06:00 - 8/15/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable Drill f/1299' to 1585 (286') Avg Rop 24.9/ hr - Wob 14 k, Rpm 30 Rotary, 92 Motor, Gpm 540, SPP 900 Psi. Samples Show Predominately SandStone w A Few Shale/ Limestone Breaks.
17:30	0.50	18:00	7	LUBRICATE RIG	Service Rig



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
18:00	12.00	06:00	2	DRILL ACTUAL	Steerable Drill f/ 1585' to 1945' (360'). Avg Rop = 30'/ hr - Wob 14 k, Rpm 30 Rotary, 92 Motor, Gpm 540, SPP 900 Psi. Samples Show Predominately SandStone - Grading To 30% Shale. Rotate 93%, Slide 7%.	

14-21D-37 BTR 8/15/2012 06:00 - 8/16/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.50	15:30	2	DRILL ACTUAL	Steerable Drill 12 1/4" Surface Hole f/ 1945' to 2343' (398'). Wob 15 k, Rpm Rotary 30, Motor 99 Rpm, Gpm 585, SPP 1275, Diff 200. Avg Rop 41.9'/ hr. Occasional 10' to 6' Slides To Control Well Path.	
15:30	0.50	16:00	7	LUBRICATE RIG	Service Rig	
16:00	8.00	00:00	2	DRILL ACTUAL	Steerable Drill 12 1/4" Surface Hole f/ 2343' to 2607' (264'). Wob 15 k, Rpm Rotary 30, Motor 99 Rpm, Gpm 585, SPP 1275, Diff 200. Avg Rop 33'/ hr.	
00:00	1.00	01:00	5	COND MUD & CIRC	Lost Full Returns @2607' pumped sweep bring active up to 15% LCM	
01:00	3.00	04:00	5	COND MUD & CIRC	Drilled 3' lost returns pump 40% LCM Sweeps active @25-30% LCM Build Volume Pump @ 35 Spm157Gpm	
04:00	2.00	06:00	5	COND MUD & CIRC	Pump 40 bbl clean mud sweepto clear pipe,Pull 4 stds to 2250',attempt to regain circ.	

14-21D-37 BTR 8/16/2012 06:00 - 8/17/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	4.00	10:00	5	COND MUD & CIRC	work pipe & circ hole to regaa in circ.pull 6 stands to 1585 ' continue to work pipe and circ. w/ 50% LCM NO RETURNS	
10:00	3.00	13:00	5	COND MUD & CIRC	Stage back to bottom, pump sweep every stand w/ 50% LCM NO RETURNS	
13:00	0.50	13:30	2	DRILL ACTUAL	Drill 2610-2622 until out of volume NO RETURNS	
13:30	6.00	19:30	5	COND MUD & CIRC	Work pipe and build volume MW 8.5 Vis 45 LCM 50% NO RETURNS	
19:30	0.50	20:00	2	DRILL ACTUAL	Drill 2622-2632 until out of volume. Had partiel returns for 6 min.	
20:00	0.50	20:30	5	COND MUD & CIRC	work pipe and build volume w/ mud brought from patt 509	
20:30	1.00	21:30	2	DRILL ACTUAL	drill 2632-2640 spot LCM pill on bottom	
21:30	3.00	00:30	6	TRIPS	POOH pick up 1 jnt HWDP and LD 1 jnt 6" DC	
00:30	3.00	03:30	20	DIRECTIONAL WORK	Lay down Dirc tools & reamers break bit,drain and laydown MM	
03:30	2.50	06:00	6	TRIPS	p/u new MM & bit TIH	

14-21D-37 BTR 8/17/2012 06:00 - 8/18/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	6	TRIPS	TIH Fill@ 850'-1323'-1797'-2082' and bottom NO RETURNS	
08:00	6.00	14:00	2	DRILL ACTUAL	Drill 2640-2702 NO RETURNS pumping high vis sweeps w/50% lcm	
14:00	1.50	15:30	5	COND MUD & CIRC	Circ work pipe build volume work on mud pump 2	
15:30	4.00	19:30	2	DRILL ACTUAL	Drilling 2702-2744 NO RETURNS pumping high vis sweeps w/ 50% LCM	
19:30	0.50	20:00	7	LUBRICATE RIG	Rig Service	
20:00	1.50	21:30	2	DRILL ACTUAL	Drilling 2744-2762 NO RETURNS pumping high vis sweeps	
21:30	1.00	22:30	5	COND MUD & CIRC	Circ & work pipe Build volume	
22:30	3.50	02:00	2	DRILL ACTUAL	Drilling 2762-2793 No Returns	
02:00	1.00	03:00	5	COND MUD & CIRC	Circ & work pipe Build Volume	
03:00	0.50	03:30	2	DRILL ACTUAL	Drilling 2793-2801 No Returns	
03:30	1.00	04:30	5	COND MUD & CIRC	Circ & work pipe Build Volume	
04:30	0.50	05:00	21	OPEN	Repair washed o-ring in mudline	
05:00	1.00	06:00	2	DRILL ACTUAL	Drilling w/ water pumping sweeps,yellowdog not keeping up w/ 600 GPM	

14-21D-37 BTR 8/18/2012 06:00 - 8/19/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	Circ. & work pipe Build Volume
06:30	1.50	08:00	2	DRILL ACTUAL	Drill 2818-2839 pump high sweep w/ 50% LCM
08:00	1.50	09:30	5	COND MUD & CIRC	Circ. & work pipe Build volume. Pull suction on yellowdog suction screen plugged with parafin
09:30	5.00	14:30	2	DRILL ACTUAL	Drill 2839-2933 partial returns from 10:34 hrs to 13:33 hrs
14:30	0.50	15:00	7	LUBRICATE RIG	Rig Service
15:00	13.50	04:30	2	DRILL ACTUAL	Drill 2933-3187 returns @ 18:42 hrs 3023' MW 8.7 Vis 36 LCM 22%
04:30	1.50	06:00	6	TRIPS	POOH P/U Dirc. Tools

14-21D-37 BTR 8/19/2012 06:00 - 8/20/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	6	TRIPS	POOH work tight hole 3100'-2614',L/D Bit & MM
12:00	2.00	14:00	20	DIRECTIONAL WORK	P/U Dirc Tools & orient
14:00	0.50	14:30	7	LUBRICATE RIG	Rig Service
14:30	2.00	16:30	6	TRIPS	TIH TO 2675' fill pipe @ 906',1560',2231' GOOD RETURNS
16:30	1.00	17:30	3	REAMING	WASH & REAM 2678-3187 take surveys @ 2645,2740,2835,2929,3024,3119
17:30	3.50	21:00	2	DRILL ACTUAL	3275
21:00	0.50	21:30	21	OPEN	Trouble shoot Hyd. on Topdrive
21:30	2.00	23:30	2	DRILL ACTUAL	Drill 3275-3308
23:30	1.00	00:30	8	REPAIR RIG	Change out pipe handler drive motors
00:30	2.50	03:00	2	DRILL ACTUAL	Drill 3308-3345 Lost returns 3345 pumping high vis LCM sweeps
03:00	1.50	04:30	5	COND MUD & CIRC	P/U Circ go through mud pumps
04:30	1.50	06:00	2	DRILL ACTUAL	Drill w/ 1 mud pump 3345-3371 no returns

14-21D-37 BTR 8/20/2012 06:00 - 8/21/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	drill 3371-3466
12:00	0.50	12:30	7	LUBRICATE RIG	Rig Service
12:30	16.50	05:00	2	DRILL ACTUAL	Drill 3466-3690 returns back@3480' lost returns@3524 back @ 3561Full returns@ TD
05:00	1.00	06:00	5	COND MUD & CIRC	Circ. Sweep

14-21D-37 BTR 8/21/2012 06:00 - 8/22/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	6	TRIPS	Short trip to 2546' work tight spot @ 2650
09:30	2.00	11:30	5	COND MUD & CIRC	Pump 2 sweeps& spot 1 on bottom
11:30	2.00	13:30	6	TRIPS	TOOH
13:30	2.50	16:00	20	DIRECTIONAL WORK	L/D Dirc tools & 8" DCs
16:00	4.00	20:00	11	WIRELINE LOGS	Pre-job safety mtg.rig up halliburton run open hole logs,rig down loggers
20:00	9.00	05:00	12	RUN CASING & CEMENT	pre-job safety mtg. w/ Franks R/U casers run 9 5/8 casing Good Returns
05:00	1.00	06:00	12	RUN CASING & CEMENT	Rig Down Franks.Pre-job w/ Halliburton and rig up circ casing ,good returns

14-21D-37 BTR 8/22/2012 06:00 - 8/23/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	3,690.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	12	RUN CASING & CEMENT	Pre-job safety mtg. w/ Halliburton Pressure test lines to 5000 psi, 20 bbl water 40 bbl super flush @ 10.0 ppg, 20 bbl water behind, Lead cement-635 sks/357 bbl, Light premium mixed @ 11.0 ppg 3.16 yld., 19.48 gps water. Tail W 235 sks/55bbl, premium plus mixed @ 14.8 ppg, 1.33 yld, 6.31 gps water. Drop top plug & displace w/ 260 bbl mud, bump plug FCP 285 psi check floats 1.25 bbl back.
10:00	2.50	12:30	12	RUN CASING & CEMENT	Run 1" pipe, WOC
12:30	0.50	13:00	12	RUN CASING & CEMENT	Top Job #1 Pump 20 bbl superflush 2 bbl fresh water pump topout cement 15.8 ppg 1.17 yld 5.01 gal. 2% calcium chloride 175 sks.
13:00	2.50	15:30	12	RUN CASING & CEMENT	WOC
15:30	0.50	16:00	12	RUN CASING & CEMENT	Topjob #2 Pump 10 bbl superflush, 2 bbl fresh water 175 sks top out cement Cement to surface
16:00	2.00	18:00	12	RUN CASING & CEMENT	WOC
18:00	2.00	20:00	12	RUN CASING & CEMENT	Rig down Halliburton/pump water thru flowline and conductor clean out cellar
20:00	1.00	21:00	12	RUN CASING & CEMENT	Safety Mtg. w/ Welder Cut off casing & L/D Cutoff
21:00	2.50	23:30	21	OPEN	Weld on Wellhead & wait to cool & Test to 5000 psi
23:30	2.50	02:00	14	NIPPLE UP B.O.P	Nipple up Bop
02:00	4.00	06:00	15	TEST B.O.P	Test BOP, Pipe Rams Blind Rams HCR, KILL LINE, CHOKE LINE, CHOKE MANIFOLD HIGH TEST 5000 PSI LOW 250 PSI, ANNULAR TEST 2500 HIGH 250 LOW HIGH TET 10 MIN LOW TEST 5 MIN. TEST CASING TO 1800 PSI f/ 30 MIN

14-21D-37 BTR 8/23/2012 06:00 - 8/24/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	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	15	TEST B.O.P	Rig down tester
06:30	0.50	07:00	21	OPEN	Install wear bushing
07:00	2.00	09:00	20	DIRECTIONAL WORK	P/U dirc.tools and orient
09:00	3.00	12:00	6	TRIPS	TIH
12:00	3.50	15:30	21	OPEN	Drill Float Equip. And 20' new formation
15:30	0.50	16:00	21		FIT 10.5 EMW 345 psi held 10 min. bleed off to 315 psi
16:00	14.00	06:00	2	DRILL ACTUAL	4130

14-21D-37 BTR 8/24/2012 06:00 - 8/25/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	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	Drill 4130-4336 slide & rotate
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service
13:00	17.00	06:00	2	DRILL ACTUAL	Drill 4336-4725 Lost Returns @ 4513' Partial returns f/4518-4530, 4535-4555'

14-21D-37 BTR 8/25/2012 06:00 - 8/26/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	drill 4725-5003
16:30	0.50	17:00	7	LUBRICATE RIG	Rig service
17:00	13.00	06:00	2	DRILL ACTUAL	5290

14-21D-37 BTR 8/26/2012 06:00 - 8/27/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	2	DRILL ACTUAL	drill 5290-5843
13:00	2.00	15:00	5	COND MUD & CIRC	Lost returns @ 5483' pump sweeps, Raise active to 25% LCM
15:00	3.00	18:00	2	DRILL ACTUAL	drill 5483-5573
18:00	0.50	18:30	7	LUBRICATE RIG	Rig Service
18:30	11.50	06:00	2	DRILL ACTUAL	Drill 5573-5820

**14-21D-37 BTR 8/27/2012 06:00 - 8/28/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	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 5820-6030
16:00	2.00	18:00	5	COND MUD & CIRC	Lost Partial Returns pump sweeps raise active to 29%
18:00	0.50	18:30	2	DRILL ACTUAL	Drill 6030-6046
18:30	0.50	19:00	7	LUBRICATE RIG	Rig Service
19:00	11.00	06:00	2	DRILL ACTUAL	Drill 6046-6255

14-21D-37 BTR 8/28/2012 06:00 - 8/29/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	Drill 6255-6268
07:00	1.00	08:00	5	COND MUD & CIRC	Circ. build dry job
08:00	3.00	11:00	6	TRIPS	TOOH f/bit
11:00	2.00	13:00	20	DIRECTIONAL WORK	Change out MM test mwd make up bit Function pipe rams
13:00	1.00	14:00	6	TRIPS	TIH to 376'
14:00	0.50	14:30	21	OPEN	wait out thunderstorm, Severe lightning
14:30	2.00	16:30	6	TRIPS	TIH to 2346
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	3.00	20:00	6	TRIPS	TIH Sync. tool @ 4719', 5098, 6268'
20:00	1.00	21:00	2	DRILL ACTUAL	Drill 6268-6299 Sync. MWD
21:00	1.00	22:00	20	DIRECTIONAL WORK	Trouble shoot MWD
22:00	0.50	22:30	5	COND MUD & CIRC	Circ build dry job
22:30	3.50	02:00	6	TRIPS	TOOH f/ MWD failure
02:00	1.50	03:30	20	DIRECTIONAL WORK	Change out MWD and reorient
03:30	2.50	06:00	6	TRIPS	TIH

14-21D-37 BTR 8/29/2012 06:00 - 8/30/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 3,690.0	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 wash 63' to bottom no fill
08:00	6.00	14:00	2	DRILL ACTUAL	Drill 6299-6425
14:00	0.50	14:30	7	LUBRICATE RIG	Rig Service
14:30	15.50	06:00	2	DRILL ACTUAL	Drill 6425-6805

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
		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: 14-21D-37 BTR
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013508590000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. September 2012 monthly drilling activity report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 05, 2012		
NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A	DATE 10/2/2012	

**14-21D-37 BTR 9/1/2012 06:00 - 9/2/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.50	13:30	2	DRILL ACTUAL	Steerable Drill f/ 7877' to 8036' (159'). Wob 24 k, Rpm 40, Motor 62, Gpm 405, SPP 1450 Psi,
13:30	0.50	14:00	7	LUBRICATE RIG	Service Rig
14:00	1.00	15:00	8	REPAIR RIG	Change Oil & Flush Out Top Drive - Replace Broken Derrick Light.
15:00	15.00	06:00	2	DRILL ACTUAL	Steerable Drill f/ 8036' to 8455' (419'). Wob 24 k, Rpm 40, Motor 64, Gpm 428, SPP 1550 Psi, Rotate: 88%, Avg Rop 29.5'/ hr Slide: 12%, Avg Rop 12.8'/ hr.

14-21D-37 BTR 9/2/2012 06:00 - 9/3/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	Steerable Drill f/ 8455' to 8698' (243'). Wob 24 k, Rpm 40, Motor 64, Gpm 428, SPP 1550 Psi, Rotate: 87%, Avg Rop 35'/ hr Slide: 13%, Avg Rop 16'/ hr.
14:00	0.50	14:30	7	LUBRICATE RIG	Service Rig
14:30	13.50	04:00	2	DRILL ACTUAL	Steerable Drill f/ 8698' to 9029' (331'). Wob 20 k, Rpm 40, Motor 64, Gpm 428, SPP 1550 Psi, Raised Mud Wt to 9.4 Ppg Started Loosing Mud, w/ 28% LCM In Active System . Lost All Returns @ 9029'. Rotate: 92%, Avg Rop 26'/ hr Slide: 8%, Avg Rop 14'/ hr.
04:00	2.00	06:00	21	LOST CIRCULATION	Pump 38% - 40% LCM Sweeps w/ 9.3+ Mud Wt. Raising Active To 35%+ LCM.

14-21D-37 BTR 9/3/2012 06:00 - 9/4/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	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	21	LOST CIRCULATION	Lost Circ @ 9026' - Mix & Pump 40%- 50% LCM Sweeps, Build Surface Volume While Pumping 20 SPM to Keep Motor/Bit Open. Trying To Milk Returns Back. Fill Backside w/8 Bbl After 3 Hrs & Top Off w/ 8 Bbl/ Hr, Then 5 Bbl
11:30	1.00	12:30	6	TRIPS	TOH 25 Stds to 6710' (Previous Loss Zone = 7026' & 7097' @ 2000 Bbl Total).
12:30	4.00	16:30	21	LOST CIRCULATION	Build Surface Volume & Let Hole Heal, Spot 90 Bbl 50% Lcm Pill Thru Bit @ 6710' w/ No Returns.
16:30	1.00	17:30	6	TRIPS	TOH f/ 6810' To 4530' (1st Mud Loss @ 4513').
17:30	1.00	18:30	21	LOST CIRCULATION	SPot 50 Bbl 50% LCM Pill " No Returns"
18:30	3.50	22:00	6	TRIPS	TOH f/ 4530' to BHA. (Attempted To Break Circ @ 9 5/8" Csg Shoe = No Returns).
22:00	2.00	00:00	20	DIRECTIONAL WORK	L/D Directional Tools, & Bit.
00:00	3.50	03:30	6	TRIPS	M/U Open Tri-cone Bit, Bit Sub w/ Float TIH Breaking Circ Each 1000' to 3664'.
03:30	2.50	06:00	21	LOST CIRCULATION	Break Circ @ 3664', Circulate = Lost Returns After Pumping 720 Strokes (77 Bbl). Mix 100 Bbl 60% LCM Pill w/ 10#/ Bbl Poly Swell to Spot Outside DP to Loss Zone @ 4513'.

14-21D-37 BTR 9/4/2012 06:00 - 9/5/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	5	COND MUD & CIRC	Pump 100 Bbl of 60% LCM w/ 10#/Bbl Poly Swell Pill = Gained Returns 11 Bbl Prior To Having Pill Displaced, Close Annular & Squeeze Last 11 Bbl Into Formation. Allow To Heal for 3 Hrs. (Open Annular After 1 Hr. Monitor Well).
10:30	19.50	06:00	6	TRIPS	TOH To 1026', Establish Circ, Stage Up Gpm & Circ Btms Up Plus 20% to Remove Uncirculated Mud From Wellbore. TIH 5 Stds At A Time & Repeat Process @ 1500', 1937', 2448', 2926' & 3664' (Shoe) Tag & Wash & Ream @ 3835', 4153', & f/ 4253' to 4822' Increased Pump Rate To Drilling Strokes 80 SPM, Started To Loose Spot 50% LCM Pill. Flow Check Neg. TOH L/D Bit & Bit Sub - M/U PDC Bit & Straight Motor, TIH Breaking Circ Every 1000'.

**14-21D-37 BTR 9/5/2012 06:00 - 9/6/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	TIH Breaking Circ Every 1000'.
07:30	1.00	08:30	5	COND MUD & CIRC	Circ Btms Up @ 9 5/8" Csg Shoe. (Shoe @ 3690')
08:30	3.50	12:00	6	TRIPS	TIH F/ Shoe Breaking Circ Every 1000' - Tight @ 4255' Spot 45% LCM Pill @ 6900' Previous Loss Zone At 7026' & 7097'. TIH to 7840' -
12:00	2.50	14:30	5	COND MUD & CIRC	Swab In Returns & Circ Btms Up @ 7840'. (450 u Gas On Btms Up).
14:30	0.50	15:00	6	TRIPS	TIH f/ 7840' to 8750'.
15:00	1.00	16:00	3	REAMING	Wash & Ream 3 Stds To Btm f/ 8750' to 9029' w/ Full Returns. Get SPRs & String Weights = P/U Wt 238 k, S/O 171 k, Rotate 194 k.
16:00	0.50	16:30	2	DRILL ACTUAL	Rotate Drill w/ Straight Motor f/ 9029' to 9034' (5') Lost All Returns.
16:30	4.00	20:30	21	LOST CIRCULATION	Work Pipe & Try To Swab In Returns - Pump 2, 45% LCM Pills Gained Swab Returns Only When Pills Were Coming @ Bit. Lost Swab Flow As Soon As Pill Depleted. Attempted To Get Back On Btm But Torque & Drag Prevented w/o Sustainable Flow. Spotted 45% LCM Pill Outside Bit.
20:30	0.50	21:00	6	TRIPS	TOH 10 Stds - To Let Hole Heal.
21:00	4.00	01:00	21	LOST CIRCULATION	Let Hole Heal & Treat Active Mud System = Build Volume & Reduce Mud Wt From 9.0+ Ppg to 8.9+ 48 Visc, 35% LCM. Pumping 5 Spm To Keep Motor & Bit Open.
01:00	1.00	02:00	21	LOST CIRCULATION	Work Pipe - Trying To Swab Back Returns Pumping 35 Spm @ 157 Gpm For 1 Hour. Got Returns Back.
02:00	2.00	04:00	5	COND MUD & CIRC	Increase Pump Rate w/ Full Returns to 70 Spm (315 Gpm). Circ Btms Up. (No Gas).
04:00	0.50	04:30	6	TRIPS	Shut Down Pump - Flow Check Negative. TIH 5 Stds. Had To Wash f/ 8095' to 8184'. TIH Break Circ & Wash f/ 8473 To 8570'. (Full Std Down On Std 5).
04:30	0.50	05:00	5	COND MUD & CIRC	Circ Increasing Flow Rate to 315 Gpm & Circ w/ No Losses.
05:00		05:00	6	TRIPS	TIH 1 Jt Took Wt @ 8599' Wash To Bottom f/ 8599'.

14-21D-37 BTR 9/6/2012 06:00 - 9/7/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	3	REAMING	Wash & Ream f/ 8760' to 8975'
07:00	1.00	08:00	5	COND MUD & CIRC	Increase Flow Rate to 315 Gpm, Circ Btms Up " No Gas ". Get SPRs & String Wts. Wash Last 59' To Btm - Send 48% LCM Pill
08:00	7.00	15:00	2	DRILL ACTUAL	Rotate Drill F/ 9034' To 9233' (199') = With Continuous Flow As LCM Pill Came Around Bit - Began To Drill w/ Major Losses (But with Flow). Drilled 3' & Got Bit Below Loss Zone & Flow Began To Increase As Mud Loss Decreased Kept Drilling As Conditions Improve. Control Drill @ 40/ Hr to Prevent Loading Annulus w/ Cuttings.
15:00	0.50	15:30	7	LUBRICATE RIG	Service Rig.
15:30	14.50	06:00	2	DRILL ACTUAL	Rotate Drill w/ Straight Motor & PDC Bit f/ 9233' to 9623' (390') Wob 15 k, Rpm 45, Mtr Rpm 66, Gpm 315, SPP 1000 Psi (5 x 18s in Bit). Began Loosing Mud @ 9580'

14-21D-37 BTR 9/7/2012 06:00 - 9/8/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Drill f/ 9623' to 9632' Lost All Returns.
06:30	1.00	07:30	21	LOST CIRCULATION	Pump 50% LCM Sweep - w/ No Returns.
07:30	1.00	08:30	2	DRILL ACTUAL	Evaluate Loss - Drill Ahead f/ 9632' to 9645' - 13' W/O Problems On Btm (Previous Loss Zone Broke Down @ 9032?). Continue To Drill to 9652' (7') w/ Slight Returns As 50% LCM 8.9 Ppg Wt Sweep Gets Above Previous Loss Zone @ 9032'. Pull Off Btm W/ No Excess Drag. Prep To Pull Above Previous Loss Zone.
08:30	1.00	09:30	6	TRIPS	TOH 10 Stds to 8754' - 250' Above Loss Zone @ 9034, (Monitoring For Flow Neg.) " Good Hole Conditions ".
09:30	0.50	10:00	21	LOST CIRCULATION	Spot 90 Bbl Of 50% LCM Pill & Clear Bit.
10:00	0.50	10:30	6	TRIPS	TOH 5 Stds To 8280' To Let Hole Heal.
10:30	4.00	14:30	21	LOST CIRCULATION	Let Hole Heal. Rotating & Moving Pipe while Pumping 10 Spm To Keep Bit Open.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:30	1.00	15:30	21	LOST CIRCULATION	Attempt To swab In Returns 1 Hr.
15:30	8.00	23:30	5	COND MUD & CIRC	Condition Mud & Circ At Reduced Pump Rate While Removing 5 1/2" Csg F/ Racks & Loading Racks w/ 7", 26#, P-110, LTC Csg. Note: Still Loosing Mud Pumping @ 180 Gpm Approx 50% Flow.
23:30	6.50	06:00	22	LAY DOWN DRILL PIPE	Rig Up Franks / Westates Laydown Machine & Lay Down Contractors 4 1/2" Drill Pipe.

14-21D-37 BTR 9/8/2012 06:00 - 9/9/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	21	LAY DOWN DRILL PIPE	Lay Down Contractors 4 1/2" DP. - 15 HWDP & Motor / Bit.
11:00	0.50	11:30	22	PULL WEAR BUSHING	Pull Wear Bushing
11:30	2.50	14:00	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg w/ Franks Westates Csg - R/U Csg Tools & Equipment.
14:00	7.00	21:00	12	RUN CASING & CEMENT	Run 7",26#, P-110, LTC Intermediate Csg As Follows = Howco Float Shoe - 1 Jt Csg - Howco Float Collar - 25 Jts Csg - Davis/Lynch DV Tool - 192 Jts Csg - OAL = 9661.50'
21:00	0.50	21:30	7	LUBRICATE RIG	Sevice Rig
21:30	8.50	06:00	12	RUN CASING & CEMENT	Run 7",26#, P-110, LTC Intermediate Csg As Follows = Howco Float Shoe - 1 Jt Csg - Howco Float Collar - 25 Jts Csg - Davis/Lynch DV Tool - 192 Jts Csg - OAL = 9661.50' Note: Lost Displacement Returns @ 1400' - Unable To Circ From There Down. Work Thru Tight Hole @ 5303', 6002' & 6204', 6274'

14-21D-37 BTR 9/9/2012 06:00 - 9/10/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	11.5	RUN CASING & CEMENT	Run 7", 263, P-110, LTC Intermediat Casing f/ 6274' To 7320' Work Tight Spots @ 6275' - 6375' - 6833' - 6950' - 7239' - 7320' . Hit Impass @ 7345 - ' Work 5 Hrs w/ No Downward Progress (Free 40' Coming Up). Still Unable To Circulate . Pumped Lube / Bead Pills In Attempt To Slick Up Hole. Ordered H&Ps "CRT" To Run casing.
18:00	1.50	19:30	12	RUN CASING & CEMENT	. Lay Down Single & R/D Mudfill Tool - M/U Csg Swage & Hi Press Circ Line & P/U Single Again To Work Pipe - NOTE: Franks /Westates Employee Was Injured While Setting Power Tongs Down On Rig Floor Hydraulic Lines Activated Rotating Mousehole, Flag Spun Around & Hit Injured In The Back & Knocking Him To Rig Floor. Franks Safety Hand Was Present & Took Him To Hospital in Roosevelt, Utah For Evaluation.
19:30	10.50	06:00			Work Pipe - Pumping LCM Sweeps. Began To Get Some Returns @ 04:30 AM.

14-21D-37 BTR 9/10/2012 06:00 - 9/11/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	21	WORK CASING	Work Casing While Waiting For Arrival Of "CRT" f/ H&P. 40' Of Free Hole Up - Sets Down @ 7345' -
09:30	2.50	12:00	12	RUN CASING & CEMENT	Rig Down 2" High Pressure Line & Csg Swage, L/D 1 Jt Of Csg, Csg Elevators & Bails, Csg Tong & Flag Pole - In Preparation For CRT Arrival.
12:00	0.50	12:30	7	LUBRICATE RIG	Service Rig
12:30	2.50	15:00	22	WAIT ON TOOLS	CRT Arrived w/ Wrong Double Pin XO Sub. Wait On Sub From Knight Oil Tools.
15:00	1.00	16:00	22	C/O SUB	Change Out Saver Sub For 4 1/2 IF Double Pin.
16:00	2.50	18:30	22	R/U CRT	R/U "CRT" - Flag Pole For P/U Machine. Held Safety Mtg On Running Operation for CRT.
18:30	11.50	06:00	21	WORK CASING	Work Casing - Now Have 70' Of Room Available Upward. Work Pipe & Swab In Returns, Have Only 50% Returns At Best When Not Swabbing. Began Getting Pressure Increase When Pipe Is Set down. (Had No Increase In Pressure Before). Attempt To Wash Down W/ Various Pump Rates f/ 90 gpm To 405 gpm Depending On Surface Mud Volume, w/ 10k to 50k Weight Down Increasing To Entire sting Wt. w/ No Results. Continued To Set Down Wt Increasing To Entire String Wt. w/ No Results So Far

**14-21D-37 BTR 9/11/2012 06:00 - 9/12/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	21	WORK CASING	Work Csg f/ 7345' to 7310 - Spot Lube Sweep - Set Down & Pump 40 Spm w/ 1250 Psi , Kick Out Pump & Watch Pressure Bled Off to 750 Psi & Held. Pick Up & Pressure Went to "0" Immediately. (Mobilize Wireline Truck To Run CCL Log). Casing Appears To Be Parted.
08:00	3.50	11:30	12	RUN CASING & CEMENT	Lay Down Top Jt Of Casing - R/D P/U Machine & CRT. To Prepare For Wireline.
11:30	4.50	16:00	11	WIRELINE LOGS	R/U "DCT" Wireline Co. & Run CCL Log - Set Down 6' Above Float Collar @ 7285' - Pulled Logging Strip w/ Csg Set Down With 40 k Wt. W/ Log At Float Collar Pulled Csg Up Hole 5' & Ran Another CCL - Found 5' Gap At Top Of DV Tool f/ 6174' to 6169'. POOH w/ Wireline , R/D Wireline Tools & Equip.
16:00	2.00	18:00	12	RUN CASING & CEMENT	Mobilize Casing Crew - Install Csg Swage In 7" Csg, Hook Up Circ Line - Pump Every 1/2 Hr. To Move Mud. R/U Franks/ Westates L/D Machine & Prep To Lay Down 7" Casing from 6174'. (Top Of DV Tool Depth).
18:00	2.00	20:00	12	RUN CASING & CEMENT	Wait On Casing Tongs & Crew. Install Stabbing Guide O& Saver Sub On Top Drive.
20:00	2.00	22:00	12	RUN CASING & CEMENT	Held Pre-Job Safety Mtg w/ Csg Crew - R/U 350 ton Elevators & Casing Tongs.
22:00	8.00	06:00	12	RUN CASING & CEMENT	Hold Operations / Safety Mtg w/ All Personell - Lay Down 7" Casing

14-21D-37 BTR 9/12/2012 06:00 - 9/13/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	21	LAY DOWN CASING	Lay Down Remaining 7" Intermediate Csg f/ 3690' To Surface. R/D Casing Handling tools.
13:00	1.00	14:00	9	CUT OFF DRILL LINE	Slip & Cut 100' Of Drlg Line.
14:00	0.50	14:30	7	LUBRICATE RIG	Service Rig
14:30	2.00	16:30	21	CHANGE OUT TOOLS	Swap Out Handling Tools For 4 1/2" DP. C/O Saver Sub & Ram On Grabber Box.
16:30	9.00	01:30	22	PICK UP DP	R/U P/U Machine Load Racks w/ 4 1/2" DP - P/U DP while Waiting For 2 7/8" Tubing Tailpipe To Spot Kick Off Plug.
01:30	4.50	06:00	22	PICK UP TBG	C/O Handling Tools - P/U 30 Jts 2 7/8" Tbg Tailpipe w/ Muleshoe End. R/D Franks Westates P/U Machine.

14-21D-37 BTR 9/13/2012 06:00 - 9/14/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	6	TRIPS	TIH w/ 995' Of 2 7/8" Tbg Tailpipe On Btm Of 4 1/2" DP to Csg Surface Csg Shoe.
08:00	1.50	09:30	21	OPEN	Mix & Pump 100 Bbl Of 60% LCM w/ 10#/ Bbl PolySwell - Close Annular & Squeeze Into Formation Max Pressure @ 68 Gpm = 470 Psi Prior To Clearing Tbg. Friction Loss & Injection Pressure Combined - Shut Down Pump When Tbg Was Cleared - Holding @ 100 Psi To Let Hole Heal w/ Polyswell Pill In Place.
09:30	3.00	12:30	21	OPEN	Let Hole Heal. W/O Halliburton.
12:30	1.50	14:00	5	COND MUD & CIRC @ shoe40 spm watch for losses	Circ w/ 40 spm @ shoe watch f/ losses stage pump to 80 spm no losses
14:00	0.50	14:30	6	TRIPS	TIH 5 stds to 4180'
14:30	0.50	15:00	7	LUBRICATE RIG	rig service
15:00	1.00	16:00	5	COND MUD & CIRC	Break circ @ 4177' stage pumps up 10 spm watch for losses,no losses
16:00	2.00	18:00	6	TRIPS	Slowly TIH 4180'-6168' break circ every 5 stds.
18:00	1.50	19:30	5	COND MUD & CIRC	work pipe while circ 2 BU work pumps to 60 spm
19:30	1.00	20:30	12	RUN CASING & CEMENT	Safety mtg w/ Hallib. and rig up to pump KOP
20:30	1.00	21:30	12	RUN CASING & CEMENT	Pump KOP,fill lines 5 bbl tuned spacer 10#,PT lines to 3000 PSI,31 bbl tuned spacer 10# 5.62 yield 38.34 gal. 67 bbl 17.5# .94 yield 3.33 gal,400 sks,9 bbl tuned spacer 10# pump 62.25 bbl mud caught pressure @ 60 bbl to equalize
21:30	1.50	23:00	6	TRIPS	RD Halliburton&POOH 12 stds to 5033'
23:00	5.00	04:00	5	COND MUD & CIRC	Circ 2 BU to clear pipe work pipe and circ while waiting on cement
04:00	0.50	04:30	6	TRIPS	POOH to4465'
04:30	0.50	05:00	12	RUN CASING & CEMENT	Safety mtg & ru halliburton
05:00	1.00	06:00	12	RUN CASING & CEMENT	Pump lost circ plug,20bbl water,67 bbl 13# 1.89 yield 9.71gal 200sks 4.8 bbl water44 bbl mud to balance

**14-21D-37 BTR 9/14/2012 06:00 - 9/15/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	6	TRIPS	TOOH to 3327' circ and clear pipe TOOH,L/D 30 jnts 2 7/8 tubing
11:00	1.50	12:30	6	TRIPS	Strap and P/U 3 6' dc make up bit
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service
13:00	2.50	15:30	6	TRIPS	TIH Tagged cement @ 3691'
15:30	4.50	20:00	21	OPEN	Drill cement to 4157' lost partial returns,lost full returns @ 4220'
20:00	1.50	21:30	5	COND MUD & CIRC	Circ and work pipe @4363' Build Volume
21:30	8.50	06:00	21	OPEN	Drilling Cement 4363'- 5311' full returns

14-21D-37 BTR 9/15/2012 06:00 - 9/16/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	21	OPEN	Drill Cement 5311-5594
13:00	0.50	13:30	7	LUBRICATE RIG	Rig Service
13:30	12.50	02:00	21	OPEN	Drill Cement 5594-5800
02:00	1.00	03:00	5	COND MUD & CIRC	Circ. BU
03:00	1.50	04:30	6	TRIPS	POOH to 4150'
04:30	1.00	05:30	5	COND MUD & CIRC	Spot Pill in Lost Zone
05:30	0.50	06:00	6	TRIPS	POOH

14-21D-37 BTR 9/16/2012 06:00 - 9/17/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	6	TRIPS	POOH
08:30	0.50	09:00	21	OPEN	Install wear bushing
09:00	1.00	10:00	21	OPEN	build clean mud to flush surface lines and test motor
10:00	1.50	11:30	20	DIRECTIONAL WORK	Pick up dirc.tools and orient
11:30	2.00	13:30	6	TRIPS	Pickup BHA 6-6.5 DCs & 12 HWDP
13:30	1.50	15:00	6	TRIPS	POOH for packed off MWD
15:00	1.50	16:30	20	DIRECTIONAL WORK	Pull MWD and clean out packed off monel Go thru both mud pumps and clean out LCM
16:30	2.00	18:30	6	TRIPS	TIH to shoe
18:30	1.00	19:30	5	COND MUD & CIRC	Circ BU to get spotted pill out
19:30	1.00	20:30	6	TRIPS	TIH to 4721
20:30	1.50	22:00	5	COND MUD & CIRC	Circ BU to get remainder of spotted pill out
22:00	4.50	02:30	6	TRIPS	TIH to 4830' wash down to4906 work pipe an circ hole packing off circ hole clean wash to5098 TIH to 5763 wash to 5800' line up tool face
02:30	3.50	06:00	2	DRILL ACTUAL	Time Drill @ 1"/min. 5800-5816

14-21D-37 BTR 9/17/2012 06:00 - 9/18/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	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	Time Drill 1"/min. 5816-5849 rotate5849-5856
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service
13:00	4.00	17:00	2	DRILL ACTUAL	Rotate & Slide 5856-5884
17:00	4.00	21:00	6	TRIPS	Trip out for 1.5 motor
21:00	1.00	22:00	20	DIRECTIONAL WORK	L/D MM & Bit
22:00	1.00	23:00	21	OPEN	fill slug pit w/ clean mud,flush surface lines
23:00	1.50	00:30	20	DIRECTIONAL WORK	PU new MM & Bit and orient dirc tools
00:30	5.50	06:00	6	TRIPS	TIH to 3665' break circ TIH to4003' took wt.broke circ. hole packing off wash& ream f/ 4010-4523 packed off work tight hole

**14-21D-37 BTR 9/18/2012 06:00 - 9/19/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	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	ream tight spot@4451 TIH to 5884
09:00	5.50	14:30	2	DRILL ACTUAL	Rotate and slide 5884-5956
14:30	0.50	15:00	7	LUBRICATE RIG	Rig service
15:00	15.00	06:00	2	DRILL ACTUAL	rotate & slide 5956-6210 Last survey 6103' 10.9 inc 307.8 az.

14-21D-37 BTR 9/19/2012 06:00 - 9/20/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	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	rotate & Slide 6210-6432
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service
16:30	13.50	06:00	2	DRILL ACTUAL	Rotate & Slide 6432-6781 MW 8.75 VIS38 LCM 25%

14-21D-37 BTR 9/20/2012 06:00 - 9/21/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill 6781-7096
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill 7096-7663 last survey 7519 3.20 inc 261.20 az MW 8.9 Vis 43 LCM 30%

14-21D-37 BTR 9/21/2012 06:00 - 9/22/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Drill 7663-8041
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service BOP Drill 32Sec Function Pipe Rams
17:30	12.50	06:00	2	DRILL ACTUAL	Drill 8041-8294 Last survey 8182' 2.5 Inc. 191.3 Az.

14-21D-37 BTR 9/22/2012 06:00 - 9/23/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	2	DRILL ACTUAL	Drilling 8294-8515
14:30	0.50	15:00	7	LUBRICATE RIG	Rig Service
15:00	15.00	06:00	2	DRILL ACTUAL	Drilling 8515-9000

14-21D-37 BTR 9/23/2012 06:00 - 9/24/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Drill 9000-9369 MW 9.0 Vis 39 LCM 26%
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service
17:00	13.00	06:00	2	DRILL ACTUAL	Drill 9369-9811

14-21D-37 BTR 9/24/2012 06:00 - 9/25/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status DRILLING	Total Depth (ftKB) 9,908.0	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	2	DRILL ACTUAL	Drill to 9913 TD
08:30	2.50	11:00	5	COND MUD & CIRC	Circ 2 bottoms up with high vis sweep
11:00	2.50	13:30	6	TRIPS	Flow check pump slug POOH to 5600'
13:30	3.50	17:00	6	TRIPS	TIH slow break circ every 500' Hole in good condition Full Returns
17:00	2.50	19:30	5	COND MUD & CIRC	Circ 2 BU
19:30	10.00	05:30	6	TRIPS	LDDP & BHA
05:30	0.50	06:00	20	DIRECTIONAL WORK	Lay Down Dir. Tools

14-21D-37 BTR 9/25/2012 06:00 - 9/26/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	Lay down dirc tools
07:30	1.00	08:30	12	RUN CASING & CEMENT	safety meeting w/ franks and rig up
08:30	13.50	22:00	12	RUN CASING & CEMENT	run 5.5 casing slow break circ every 1000' Full returns
22:00	4.00	02:00	5	COND MUD & CIRC	Circ BU peak gas 673 units Rig up Halliburton
02:00	4.00	06:00	12	RUN CASING & CEMENT	Cement w/ Halliburton Lost returns 90 bbl into pumping tail

14-21D-37 BTR 9/26/2012 06:00 - 9/27/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Bump plug w/ 500 psi over 1758 psi floats held/Rig down Halliburton
07:00	1.00	08:00	21	OPEN	set slips @ 210 k 30 k over string wt. 180 k, cut off casing
08:00	10.00	18:00	21	OPEN	Nipple down BOP and clean pits RIG RELEASE @ 1800 HRS 9/26/2012
18:00	12.00	06:00	1	RIGUP & TEARDOWN	Rig Down

14-21D-37 BTR 9/27/2012 06:00 - 9/28/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	Rig Down - Derrick On Stand @ 17:00 Hr. Worked 8 Hands To 20:00 Hr. Shut Down Over Night.

14-21D-37 BTR 9/28/2012 06:00 - 9/29/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013508590000	UT	Duchesne	Black Tail Ridge	DRILLING	9,908.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

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: 14-21D-37 BTR	
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013508590000	
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: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 10/23/2012 <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.			
This well had first gas sales on 10/23/2012.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 29, 2012			
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst	
SIGNATURE N/A		DATE 10/29/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: 14-21D-37 BTR
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013508590000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 03.0S Range: 07.0W Meridian: U		9. FIELD and POOL or WILDCAT: CEDAR RIM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 03.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 Township: 03.0S Range: 07.0W Meridian: U		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/6/2012	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">This well had first oil sales on 11/06/2012.</p> <div style="text-align: right; margin-top: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>November 07, 2012</p> </div>		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 11/7/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005608
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 14-21D-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013508590000
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: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">October 2012 monthly drilling activity report is attached.</p> <div style="text-align: right; margin-top: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>November 07, 2012</p> </div>		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 11/7/2012

**14-21D-37 BTR 10/3/2012 06:00 - 10/4/2012 06:00**

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	LOCL	Lock Wellhead & Secure	Well Secured With 11" Night Cap. BackFill Cellar
08:30	1.50	10:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
10:00	20.00	06:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.

14-21D-37 BTR 10/4/2012 06:00 - 10/5/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured With NightCap. HES Logging Crew Arrive On Location, Hold Safety Meeting, Prep Logging Tool.
08:00	10.00	18:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,740', Drilling Report Shows FC At 9,821', 81' Of Fill. POOH, P/U CBL Tool, Rih To PBD, 9,740', Run Repeat Section From 9,740 - 9,500', Log Up Hole. Showed Good Bond From TD To 7,700', 7,700 To 6,900 Good To Fair, 6,900 To 6,000' Fair To Poor, 6,000 To 4,500 Ok. TOC 4,500'. Ran With Pressure. Pooh, RD Equipment, MOL.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

14-21D-37 BTR 10/15/2012 06:00 - 10/16/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	FRAC TANKS SPOTTED AND FILLED. LIFE LINES SET. FBT SET AND BONDED. SET SAND TRAP AND PLUMB IN. NU FRAC MANDREL, FRAC VALVES, AND FRAC HEAD. TEST VOID AND SEALS. TEST FRAC VALVES AND CSG.

14-21D-37 BTR 10/16/2012 06:00 - 10/17/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	FINISH FILLING FRAC LINE. RU BACK SIDE MANIFOLD.

14-21D-37 BTR 10/17/2012 06:00 - 10/18/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE.

14-21D-37 BTR 10/18/2012 06:00 - 10/19/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	PFRT	Perforating	MIRU SLB W/ 5K LUB. HSM. PU PERF GUN FOR STG 1 INTO LUB. OPEN WELL W/ 0 PSI. RUN DOWN AND CORRELATE TO SJ AT 7192'-7214' AND 8540'-8562'. RUN DOWN AND PERF CR3 AND CR4 9395'-9663' AS PER DESIGN W/ 48 HOLES IN 16' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN.
09:00	21.00	06:00	GOP	General Operations	MIRU HES FRAC EQUIP. PREP TO BE READY TO FRAC IN AM.

14-21D-37 BTR 10/19/2012 06:00 - 10/20/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:30	4.50	19:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. D/O KILL PLUG @ 7610'. CFP- 300 ON 28/64. SWIVEL IN HOLE, TAG SAND @ 8032'. C/O SAND & D/O CBP @ 8051'. CFP- 450. SWIVEL IN HOLE, TAG SAND @ 8340'. C/O SAND & D/O CBP @ 8363'. CFP- 700. CIRC WELL CLEAN. R/D SWIVEL. PULL ABOVE PERFS. SWIFN.
19:00	1.00	20:00	CTRL	Crew Travel	CREW TRAVEL.
20:00	10.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN & SECURE.

14-21D-37 BTR 10/23/2012 06:00 - 10/24/2012 06:00

API/UWI 43013508590000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status PRODUCING	Total Depth (ftKB) 9,908.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	RUTB	Run Tubing	SIWP- 600. RIH F/ TOP OF PERFS W/ 4-3/4 BIT, TAG SAND @ 8678'.
08:00	6.00	14:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. C/O SAND & D/O CBP @ 8708'. CFP- 600. SWIVEL IN HOLE, TAG SAND @ 8980'. C/O SAND & D/O CBP @ 8995'. CFP- 700. SWIVEL IN HOLE TAG SAND @ 9315'. C/O SAND & D/O CBP @ 9380'. CFP- 700. SWIVEL IN HOLE, TAG SAND @ 9730. C/O SAND TO FLOAT COLLAR @ 9820'. D/O F/C. C/O CMT TO 9863' PBTD. CIRC WELL CLEAN FOR 1 HR. R/D SWIVEL.
14:00	1.50	15:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 7635' & LAND TBG. TOP PERF 7651'. TOTAL JT'S IN HOLE 239.
15:30	1.00	16:30	IWHD	Install Wellhead	N/D BOP. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TBG TO SALES LINE. TURN WELL OVER TO FLOW BACK.
16:30	1.00	17:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT.
17:30	1.00	18:30	CTRL	Crew Travel	CREW TRAVEL.
18:30	11.00	05:30	LOCL	Lock Wellhead & Secure	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No.	
2. Name of Operator BILL BARRETT CORPORATION Contact: JULIE WEBB E-Mail: jwebb@billbarrettcorp.com		8. Lease Name and Well No. 14-21D-37 BTR	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		3a. Phone No. (include area code) Ph: 303-299-9949	9. API Well No. 43-013-50859
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 622FSL 2493FWL 40.199508 N Lat, 110.681283 W Lon At top prod interval reported below SESW 860FSL 2006FWL At total depth SESW 784FSL 1997FWL <i>BHL by HGM</i>			
14. Date Spudded 08/17/2012 05/19/2012	15. Date T.D. Reached 09/24/2012	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/23/2012	17. Elevations (DF, KB, RT, GL)* 6683 GL
18. Total Depth: MD 9913 TVD 9850	19. Plug Back T.D.: MD 9821 TVD 9758	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <input checked="" type="checkbox"/> MUD, TRIPLE COMBO, CBL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
24.000	16.000 COND	65.0	0	104	104			0	
12.250	9.625 J-55	36.0	0	3688	3690	870	412	0	
8.750	5.500 P-110	17.0	0	9913	9908	1800	617	4580	15000

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875		7636						

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	7651	8688	7651 TO 8688	0.360	135	OPEN
B) WASATCH	8720	9663	8720 TO 9663	0.360	135	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
7651 TO 8688	GREEN RIVER: SEE TREATMENT STAGES 3-7
8720 TO 9663	WASATCH: SEE TREATMENT STAGES 1-3

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
10/23/2012	10/29/2012	24	→	80.0	1538.0	1286.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	SI 950	1700.0	→	80	1538	1286	19225	POW	

28a. Production - Interval B

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

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NOV 27 2012

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28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	3971
				MAHOGANY	4569
				DOUGLAS CREEK	7078
				BLACK SHALE	7646
				CASTLE PEAK	7848
				UTELAND BUTTE	8321
				WASATCH	8709
				TD	9913

32. Additional remarks (include plugging procedure):
TOC was calculated by CBL. CBL mailed due to file size. Conductor was cemented with grout. This well had first gas sales on 10/23/2012 and first oil sales on 11/06/2012.

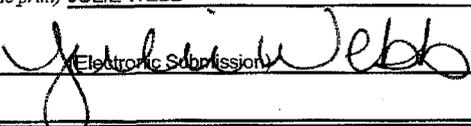
33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 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 #161122 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) JULIE WEBB Title PERMIT ANALYST

Signature  Date 11/26/2012

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

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

14-21D-37 BTR Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>BBS Slurry</u>	<u>lbs 100 Mesh Sand</u>	<u>lbs 20/40 White Sand</u>
1	3693	14800	108900
2	3447	14000	109900
3	3663	14300	111100
4	3639	13900	112800
5	3640	13900	114400
6	3536	12440	107500

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



Bill Barrett Corporation

Bill Barrett Corp. (II)

Duchesne Co., UT (NAD27)

Sec.21-T3S-R7W

#14-21D-37 BTR

Wellbore #1

Design: STK

Standard Survey Report

28 September, 2012

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Bill Barrett Corp. (II)
 Project: Duchesne Co., UT (NAD27)
 Site: Sec.21-T3S-R7W
 Well: #14-21D-37 BTR
 Wellbore: Wellbore #1
 Design: STK
 Latitude: 40° 11' 58.39 N
 Longitude: 110° 40' 50.05 W
 Ground Level: 6682.01
 WELL @ 6697.01ft



PROJECT DETAILS: Duchesne Co., UT (NAD27)

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

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well #14-21D-37 BTR, True North
 Vertical (TVD) Reference: WELL @ 6697.01ft
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: WELL @ 6697.01ft
 Calculation Method: Minimum Curvature

WELL DETAILS: #14-21D-37 BTR

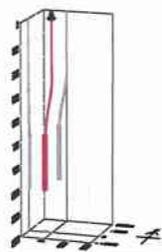
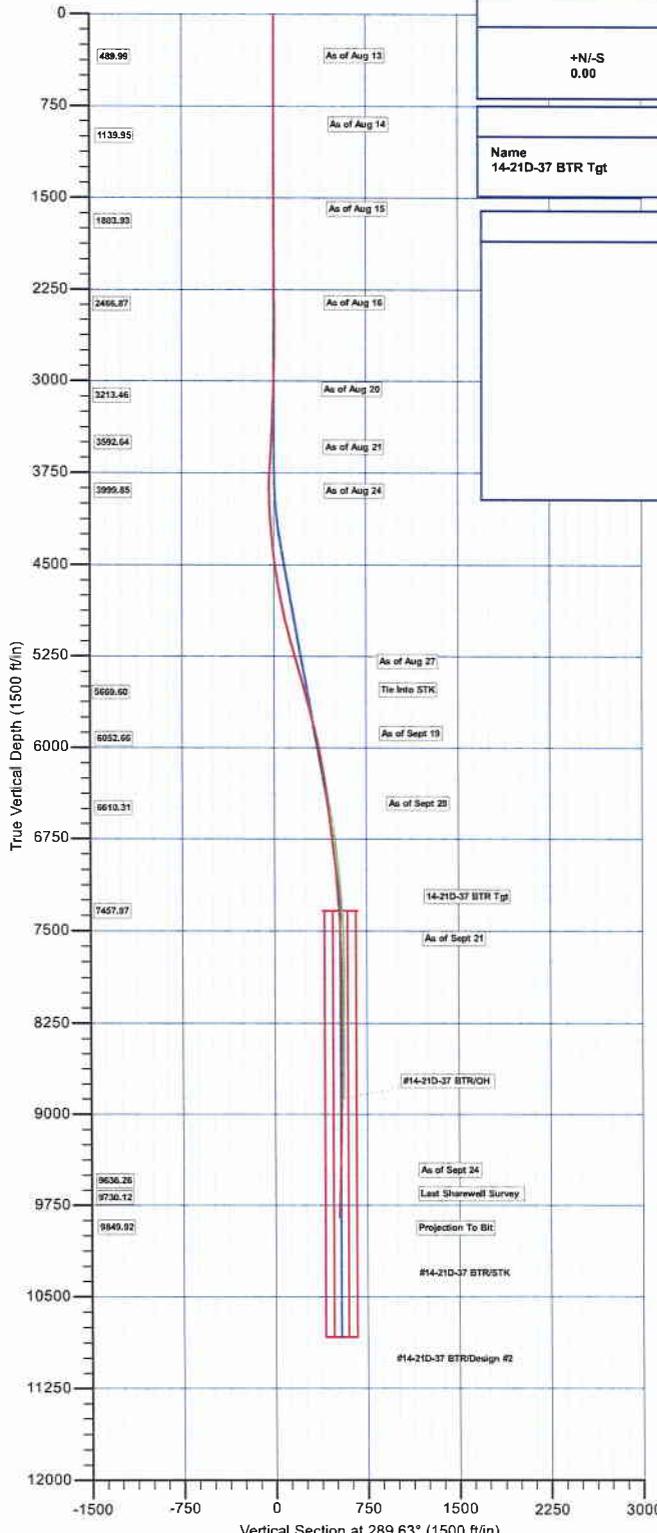
Ground Level: 6682.01
 Easting: 2228888.86
 Latitude: 40° 11' 58.39 N
 Longitude: 110° 40' 50.05 W
 Slot:

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

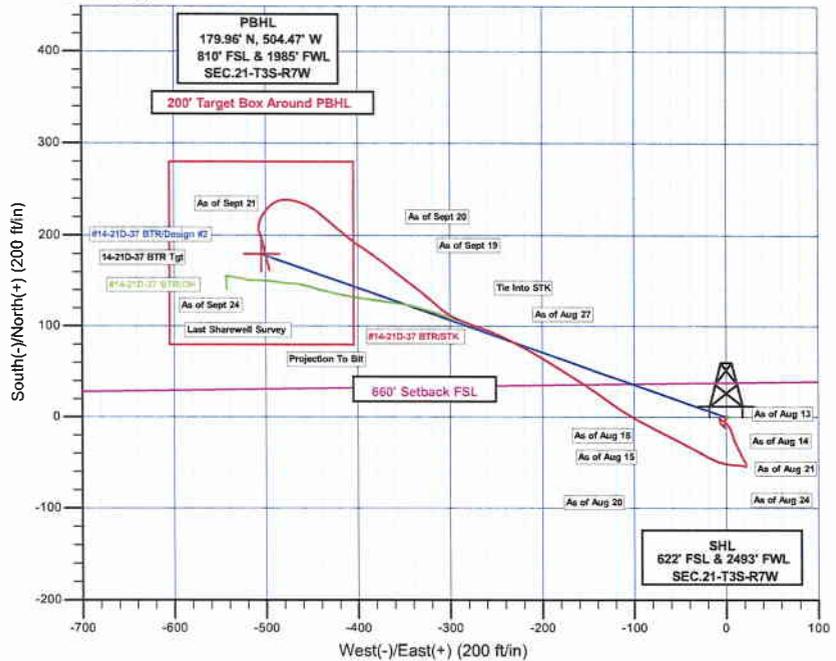
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
14-21D-37 BTR Tgt	7337.01	179.96	-504.47	40° 12' 0.17 N	110° 40' 56.55 W	Rectangle (Sides: L200.00 W200.00)

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	V/Sect	Departure	Annotation
489.99	490.00	0.400	145.70	-2.49	-0.82	-0.06	2.90	As of Aug 13
1139.95	1140.00	0.100	191.40	-8.14	-2.74	-0.16	9.77	As of Aug 14
1803.93	1804.00	0.400	289.40	-10.92	-1.98	-1.80	14.99	As of Aug 15
2466.87	2467.00	1.000	353.10	-4.57	-6.78	4.85	23.41	As of Aug 16
3213.46	3214.00	3.000	158.70	-13.92	4.66	-9.07	45.73	As of Aug 20
3592.64	3594.00	4.800	159.60	-36.78	13.84	-25.39	70.41	As of Aug 21
3999.85	4002.00	2.500	285.40	-53.49	18.61	-35.50	94.35	As of Aug 24
5669.60	5709.00	14.600	288.10	99.17	-268.75	286.45	422.35	As of Aug 27
5669.60	5709.00	14.600	288.10	99.17	-268.75	286.45	422.35	Tie Into STK
6052.68	6103.00	10.900	307.80	149.01	-344.83	374.85	514.54	As of Sept 19
6610.31	6667.00	6.200	311.00	199.30	-411.53	454.56	598.14	As of Sept 20
7457.97	7519.00	3.200	261.20	238.88	-482.04	534.27	681.45	As of Sept 21
9636.26	9699.00	2.900	164.70	173.85	-498.84	528.25	760.07	As of Sept 24
9730.12	9793.00	3.300	166.40	168.92	-497.58	525.41	765.15	Last Sharewell Survey
9849.92	9913.00	3.300	166.40	162.21	-495.96	521.62	772.06	Projection To Bit



M Azimuths to True North
A Magnetic North: 11.44°
 Magnetic Field Strength: 52145.6µmT
 Dip Angle: 65.77°
 Date: 08/01/2012
 Model: IGRF2010



Design: STK (#14-21D-37 BTR/Wellbore #1)
Created By: Rolando Garza Date: 9:58, September 28 2012

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.21-T3S-R7W
Well: #14-21D-37 BTR
Wellbore: Wellbore #1
Design: STK

Local Co-ordinate Reference: Well #14-21D-37 BTR
TVD Reference: WELL @ 6697.01ft
MD Reference: WELL @ 6697.01ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

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

Site	Sec.21-T3S-R7W				
Site Position:		Northing:	680,781.56 usft	Latitude:	40° 11' 58.39 N
From:	Lat/Long	Easting:	2,228,888.88 usft	Longitude:	110° 40' 50.05 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.52 °

Well	#14-21D-37 BTR					
Well Position	+N/-S	0.00 ft	Northing:	680,781.55 usft	Latitude:	40° 11' 58.39 N
	+E/-W	0.00 ft	Easting:	2,228,888.88 usft	Longitude:	110° 40' 50.05 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,682.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/01/12	11.44	65.77	52,146

Design	STK				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	289.63	

Survey Program	Date 09/28/12				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
150.00	5,709.00	OH (Wellbore #1)	MWD	MWD - Standard	
5,709.00	9,913.00	STK (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	0.400	229.80	150.00	-0.34	-0.40	0.26	0.27	0.27	0.00
212.00	0.400	207.90	212.00	-0.67	-0.67	0.40	0.25	0.00	-35.32
306.00	0.400	197.40	306.00	-1.27	-0.92	0.44	0.08	0.00	-11.17
398.00	0.400	179.20	397.99	-1.90	-1.01	0.31	0.14	0.00	-19.78
490.00	0.400	145.70	489.99	-2.49	-0.82	-0.06	0.25	0.00	-36.41
As of Aug 13									
581.00	0.400	167.30	580.99	-3.06	-0.58	-0.49	0.16	0.00	23.74
673.00	0.700	193.40	672.98	-3.92	-0.64	-0.72	0.42	0.33	28.37
764.00	1.000	196.00	763.97	-5.22	-0.98	-0.83	0.33	0.33	2.86

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.21-T3S-R7W
Well: #14-21D-37 BTR
Wellbore: Wellbore #1
Design: STK

Local Co-ordinate Reference: Well #14-21D-37 BTR
TVD Reference: WELL @ 6697.01ft
MD Reference: WELL @ 6697.01ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
856.00	1.000	187.00	855.96	-6.79	-1.30	-1.06	0.17	0.00	-9.78
951.00	0.500	269.70	950.95	-7.62	-1.82	-0.85	1.12	-0.53	87.05
1,045.00	0.400	228.40	1,044.95	-7.84	-2.47	-0.30	0.35	-0.11	-43.94
1,140.00	0.100	191.40	1,139.95	-8.14	-2.74	-0.16	0.34	-0.32	-38.95
As of Aug 14									
1,234.00	0.500	180.40	1,233.95	-8.63	-2.76	-0.30	0.43	0.43	-11.70
1,329.00	0.400	153.50	1,328.95	-9.34	-2.61	-0.68	0.24	-0.11	-28.32
1,424.00	0.400	161.10	1,423.94	-9.95	-2.36	-1.12	0.06	0.00	8.00
1,519.00	0.700	151.10	1,518.94	-10.77	-1.97	-1.77	0.33	0.32	-10.53
1,614.00	0.400	127.60	1,613.93	-11.48	-1.42	-2.52	0.39	-0.32	-24.74
1,709.00	0.500	322.30	1,708.93	-11.36	-1.42	-2.48	0.94	0.11	-174.00
1,804.00	0.400	289.40	1,803.93	-10.92	-1.98	-1.80	0.29	-0.11	-34.63
As of Aug 15									
1,899.00	0.200	271.20	1,898.93	-10.80	-2.46	-1.31	0.23	-0.21	-19.16
1,994.00	0.600	313.60	1,993.93	-10.46	-2.99	-0.70	0.50	0.42	44.63
2,088.00	0.800	322.70	2,087.92	-9.60	-3.74	0.30	0.24	0.21	9.68
2,183.00	0.900	311.00	2,182.91	-8.58	-4.71	1.55	0.21	0.11	-12.32
2,277.00	0.900	317.70	2,276.90	-7.55	-5.76	2.89	0.11	0.00	7.13
2,372.00	1.000	345.50	2,371.89	-6.19	-6.47	4.01	0.49	0.11	29.26
2,467.00	1.000	353.10	2,466.87	-4.57	-6.78	4.85	0.14	0.00	8.00
As of Aug 16									
2,562.00	0.900	336.70	2,561.86	-3.06	-7.17	5.73	0.30	-0.11	-17.26
2,645.00	0.900	332.10	2,644.85	-1.89	-7.73	6.65	0.09	0.00	-5.54
2,740.00	0.300	81.80	2,739.84	-1.19	-7.84	6.98	1.09	-0.63	115.47
2,835.00	2.000	118.50	2,834.82	-1.95	-6.13	5.12	1.86	1.79	38.63
2,929.00	2.700	126.30	2,928.74	-4.04	-2.91	1.38	0.82	0.74	8.30
3,024.00	2.100	135.10	3,023.66	-6.60	0.12	-2.33	0.74	-0.63	9.26
3,119.00	2.700	147.50	3,118.58	-9.72	2.56	-5.67	0.83	0.63	13.05
3,214.00	3.000	158.70	3,213.46	-13.92	4.66	-9.07	0.66	0.32	11.79
As of Aug 20									
3,309.00	3.300	161.90	3,308.32	-18.84	6.41	-12.37	0.37	0.32	3.37
3,404.00	3.400	160.60	3,403.15	-24.09	8.20	-15.82	0.13	0.11	-1.37
3,499.00	4.300	152.20	3,497.94	-29.90	10.79	-20.21	1.12	0.95	-8.84
3,594.00	4.800	159.60	3,592.64	-36.78	13.84	-25.39	0.81	0.53	7.79
As of Aug 21									
3,719.00	5.100	148.90	3,717.18	-46.44	18.53	-33.06	0.78	0.24	-8.56
3,813.00	2.900	155.10	3,810.94	-52.17	21.69	-37.96	2.38	-2.34	6.60
3,908.00	1.300	278.50	3,905.90	-54.19	21.64	-38.59	3.97	-1.68	129.89
4,002.00	2.500	285.40	3,999.85	-53.49	18.61	-35.50	1.30	1.28	7.34
As of Aug 24									
4,097.00	3.400	272.50	4,094.72	-52.82	13.80	-30.74	1.17	0.95	-13.58
4,192.00	4.600	272.50	4,189.49	-52.53	7.18	-24.41	1.26	1.26	0.00
4,287.00	5.400	282.50	4,284.13	-51.39	-0.99	-16.33	1.24	0.84	10.53
4,382.00	6.200	292.40	4,378.65	-48.47	-10.10	-6.77	1.35	0.84	10.42

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.21-T3S-R7W
Well: #14-21D-37 BTR
Wellbore: Wellbore #1
Design: STK

Local Co-ordinate Reference: Well #14-21D-37 BTR
TVD Reference: WELL @ 6697.01ft
MD Reference: WELL @ 6697.01ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,477.00	7.100	297.30	4,473.01	-43.82	-20.06	4.17	1.12	0.95	5.16
4,572.00	8.900	299.40	4,567.08	-37.52	-31.68	17.23	1.92	1.89	2.21
4,666.00	10.600	297.50	4,659.72	-29.96	-45.69	32.96	1.84	1.81	-2.02
4,761.00	10.900	298.50	4,753.05	-21.64	-61.33	50.50	0.37	0.32	1.05
4,856.00	12.200	295.10	4,846.13	-13.10	-78.32	69.36	1.54	1.37	-3.58
4,950.00	13.000	300.00	4,937.86	-3.60	-96.47	89.65	1.42	0.85	5.21
5,045.00	14.500	304.80	5,030.14	8.54	-115.49	111.64	1.98	1.58	5.05
5,140.00	15.500	306.40	5,121.90	22.86	-135.47	135.28	1.14	1.05	1.68
5,235.00	16.000	302.90	5,213.34	37.50	-156.68	160.17	1.13	0.53	-3.68
5,330.00	16.900	302.40	5,304.45	52.01	-179.34	186.39	0.96	0.95	-0.53
5,425.00	16.500	301.10	5,395.44	66.38	-202.55	213.07	0.58	-0.42	-1.37
5,520.00	15.600	298.10	5,486.74	79.36	-225.37	238.93	1.29	-0.95	-3.16
5,614.00	14.200	295.90	5,577.58	90.35	-246.89	262.89	1.61	-1.49	-2.34
5,709.00	14.600	288.10	5,669.60	99.17	-268.75	286.45	2.08	0.42	-8.21
As of Aug 27 - Tie Into STK									
5,813.00	14.100	294.40	5,770.36	108.47	-292.75	312.18	1.58	-0.48	6.06
5,909.00	14.200	313.20	5,863.50	121.37	-311.99	334.63	4.77	0.10	19.58
6,008.00	13.000	309.30	5,959.72	136.74	-329.46	356.25	1.52	-1.21	-3.94
6,103.00	10.900	307.80	6,052.66	149.01	-344.83	374.85	2.23	-2.21	-1.58
As of Sept 19									
6,193.00	9.800	308.40	6,141.19	158.98	-357.56	390.19	1.23	-1.22	0.67
6,288.00	9.100	309.10	6,234.91	168.74	-369.72	404.93	0.75	-0.74	0.74
6,383.00	8.300	305.00	6,328.81	177.41	-381.17	418.62	1.07	-0.84	-4.32
6,477.00	8.300	303.00	6,421.83	185.00	-392.42	431.76	0.31	0.00	-2.13
6,572.00	7.200	307.20	6,515.96	192.34	-402.91	444.11	1.30	-1.16	4.42
6,667.00	6.200	311.00	6,610.31	199.30	-411.53	454.56	1.15	-1.05	4.00
As of Sept 20									
6,762.00	7.000	308.80	6,704.68	206.29	-419.91	464.81	0.88	0.84	-2.32
6,857.00	7.800	311.50	6,798.89	214.19	-429.25	476.26	0.92	0.84	2.84
6,952.00	7.500	309.30	6,893.04	222.39	-438.87	488.08	0.44	-0.32	-2.32
7,046.00	5.600	303.80	6,986.43	228.83	-447.43	498.31	2.13	-2.02	-5.85
7,141.00	5.200	296.00	7,081.01	233.29	-455.15	507.08	0.88	-0.42	-8.21
7,235.00	4.700	287.70	7,174.66	236.33	-462.65	515.16	0.93	-0.53	-8.83
7,330.00	4.000	279.80	7,269.38	238.08	-469.63	522.32	0.97	-0.74	-8.32
7,424.00	4.000	275.60	7,363.15	238.96	-476.12	528.73	0.31	0.00	-4.47
7,519.00	3.200	261.20	7,457.97	238.88	-482.04	534.27	1.26	-0.84	-15.16
As of Sept 21									
7,614.00	3.100	249.10	7,552.82	237.55	-487.06	538.56	0.71	-0.11	-12.74
7,708.00	3.100	239.90	7,646.69	235.37	-491.63	542.13	0.53	0.00	-9.79
7,803.00	3.400	224.50	7,741.54	232.07	-495.83	544.98	0.97	0.32	-16.21
7,897.00	3.100	216.30	7,835.39	228.04	-499.29	546.88	0.59	-0.32	-8.72
7,992.00	3.000	213.40	7,930.25	223.89	-502.18	548.21	0.19	-0.11	-3.05
8,087.00	3.000	211.60	8,025.12	219.70	-504.85	549.31	0.10	0.00	-1.89
8,182.00	2.500	191.30	8,120.01	215.55	-506.56	549.53	1.14	-0.53	-21.37

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.21-T3S-R7W
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Wellbore: Wellbore #1
Design: STK

Local Co-ordinate Reference: Well #14-21D-37 BTR
TVD Reference: WELL @ 6697.01ft
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,276.00	1.400	190.20	8,213.96	212.41	-507.16	549.04	1.17	-1.17	-1.17
8,371.00	0.700	195.20	8,308.94	210.71	-507.52	548.81	0.74	-0.74	5.26
8,466.00	0.700	183.40	8,403.93	209.57	-507.70	548.60	0.15	0.00	-12.42
8,561.00	0.400	177.00	8,498.93	208.66	-507.72	548.31	0.32	-0.32	-6.74
8,656.00	0.700	177.80	8,593.93	207.75	-507.68	547.97	0.32	0.32	0.84
8,750.00	1.100	166.70	8,687.91	206.29	-507.45	547.26	0.46	0.43	-11.81
8,845.00	1.100	160.20	8,782.90	204.55	-506.93	546.19	0.13	0.00	-6.84
8,940.00	1.200	159.10	8,877.88	202.76	-506.27	544.96	0.11	0.11	-1.16
9,035.00	1.600	167.70	8,972.85	200.54	-505.63	543.62	0.47	0.42	9.05
9,130.00	1.700	162.00	9,067.81	197.90	-504.91	542.05	0.20	0.11	-6.00
9,224.00	2.000	161.00	9,161.76	195.02	-503.95	540.18	0.32	0.32	-1.06
9,319.00	2.500	165.50	9,256.69	191.45	-502.89	537.98	0.56	0.53	4.74
9,414.00	2.700	167.50	9,351.59	187.26	-501.89	535.63	0.23	0.21	2.11
9,509.00	2.700	167.80	9,446.48	182.89	-500.93	533.26	0.01	0.00	0.32
9,604.00	2.800	167.80	9,541.37	178.43	-499.97	530.85	0.11	0.11	0.00
9,699.00	2.900	164.70	9,636.26	173.85	-498.84	528.25	0.19	0.11	-3.26
As of Sept 24									
9,793.00	3.300	166.40	9,730.12	168.92	-497.58	525.41	0.44	0.43	1.81
Last Sharewell Survey									
9,913.00	3.300	166.40	9,849.92	162.21	-495.96	521.62	0.00	0.00	0.00
Projection To Bit									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
490.00	489.99	-2.49	-0.82	As of Aug 13
1,140.00	1,139.95	-8.14	-2.74	As of Aug 14
1,804.00	1,803.93	-10.92	-1.98	As of Aug 15
2,467.00	2,466.87	-4.57	-6.78	As of Aug 16
3,214.00	3,213.46	-13.92	4.66	As of Aug 20
3,594.00	3,592.64	-36.78	13.84	As of Aug 21
4,002.00	3,999.85	-53.49	18.61	As of Aug 24
5,709.00	5,669.60	99.17	-268.75	As of Aug 27
5,709.00	5,669.60	99.17	-268.75	Tie Into STK
6,103.00	6,052.66	149.01	-344.83	As of Sept 19
6,667.00	6,610.31	199.30	-411.53	As of Sept 20
7,519.00	7,457.97	238.88	-482.04	As of Sept 21
9,699.00	9,636.26	173.85	-498.84	As of Sept 24
9,793.00	9,730.12	168.92	-497.58	Last Sharewell Survey
9,913.00	9,849.92	162.21	-495.96	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626482
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: 14-21D-37 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013508590000
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: 0622 FSL 2493 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 5/9/2017 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" 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.

well was SI on 5/9/15 due to low production & low commodity prices. On 5/8/16 well will be SI for 1 year. Current economics don't justify RTP. For this reason BBC is requesting an additional 1 year SI, before a MIT is required, until 5/8/17. Well currently has 0 psi tubing, 2350 psi csg, 3 psi Braden Head. With minimal to zero Braden Head pressure & 2350 psi csg pressure, it is evident that the 5-1/2" production csg has full integrity & all formations are protected. Casing pressure was too high to shoot fluid level. Fluid gun max is 1500psi. 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 returned to production if economics will justify at a higher commodity price before 5/8/2017

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 4/27/2016	

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

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

New Operator Contact information:

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

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

Sincerely,

Bill Barrett Corporation

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

Brady Riley
Permit Analyst

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

APPROVED

NOV 07 2016

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

Request to Transfer Application or Permit to Drill

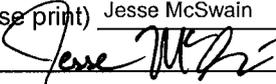
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

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

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

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

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

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

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

UIC FORM 5

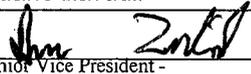
TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 11/1/2016

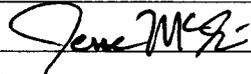
CURRENT OPERATOR

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

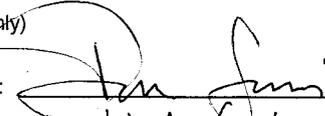
Name: Duane Zavadil
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

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

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

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

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

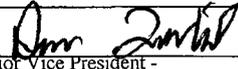
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

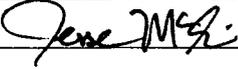
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <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

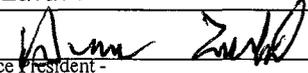
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

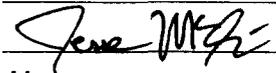
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE	Field or Unit Name CEDAR RIM
	Lease Designation and Number 2OG0005608
QQ, Section, Township, Range: SESE 9 3S 6W	State : UTAH

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

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.