

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 LC Tribal 16-23D-47					
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 WILDCAT					
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 BHilgers@billbarrettcorp.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 2OG0005500			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 checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Uintah and Ouray			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		1215 FSL 1753 FEL		SWSE	23	4.0 S	7.0 W	U			
Top of Uppermost Producing Zone		1219 FSL 753 FEL		SESE	23	4.0 S	7.0 W	U			
At Total Depth		1218 FSL 753 FEL		SESE	23	4.0 S	7.0 W	U			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 753			23. NUMBER OF ACRES IN DRILLING UNIT 640					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 5098			26. PROPOSED DEPTH MD: 7430 TVD: 7259					
27. ELEVATION - GROUND LEVEL 7297			28. BOND NUMBER LPM8874725			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-180					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown		0	0.0	0.0
Surf	12.25	9.625	0 - 1500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		290	3.16	11.0
							Halliburton Premium , Type Unknown		210	1.36	14.8
Prod	8.75	5.5	0 - 7430	17.0	P-110 LT&C	9.7	Unknown		650	2.31	11.0
							Unknown		680	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 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 01/13/2012			EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43013511800000			APPROVAL			 Permit Manager					

DRILLING PLAN

BILL BARRETT CORPORATION

16-23D-47 BTR Well Pad

SW SE, 1215' FSL and 1753' FEL, Sec. 23, T4S-R7W, USB&M (surface hole)

SE SE, 1218' FSL and 753' FEL, Sec. 23, T4S-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*	3,773'	3,639'
Douglas Creek	4,603'	4,434'
Black Shale	5,435'	5,264'
Castle Peak	5,660'	5,489'
Uteland Butte	5,965'	5,794'
Wasatch*	6,205'	6,034'
TD	7,430'	7,259'

*PROSPECTIVE PAY

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

Base of Useable Water = 5,299'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,500'	No pressure control required
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<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	1,500'	9 5/8"	36#	J or K 55	BT&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New
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
 #16-23D-47 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 290 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 1,000'.</p>
5 1/2" Production Casing	<p><i>Lead</i> with approximately 650 sx Tuned Light cement with additives, mixed at 11.0 ppg (yield = 2.31 ft³/sx,) . Top of lead estimated at 1,000'.</p> <p><i>Tail</i> with approximately 680 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft³/sx). Top of tail estimated at 4,935'.</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' – 1,500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,500' – TD	8.6 – 9.7	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

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

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

Bill Barrett Corporation
Drilling Program
#16-23D-47 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 3661 psi* and maximum anticipated surface pressure equals approximately 2064 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: March 2012
Spud: March 2012
Duration: 15 days drilling time
45 days completion time



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: LC Tribal 16-23D-47

Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	548.1	ft ³
Lead Fill:	1,000'	
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:	190
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,000'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	7,430'
Top of Cement:	1,000'
Top of Tail:	4,935'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1490.9	ft ³
Lead Fill:	3,935'	
Tail Volume:	945.4	ft ³
Tail Fill:	2,495'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	650
# SK's Tail:	680

LC Tribal 16-23D-47 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (1000' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,000'
	Volume: 97.61 bbl
	Proposed Sacks: 190 sks
Tail Cement - (TD - 1000')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4935' - 1000')	
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: 1,000'
	Calculated Fill: 3,935'
	Volume: 265.53 bbl
	Proposed Sacks: 650 sks
Tail Cement - (7430' - 4935')	
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: 4,935'
	Calculated Fill: 2,495'
	Volume: 168.37 bbl
	Proposed Sacks: 680 sks

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).

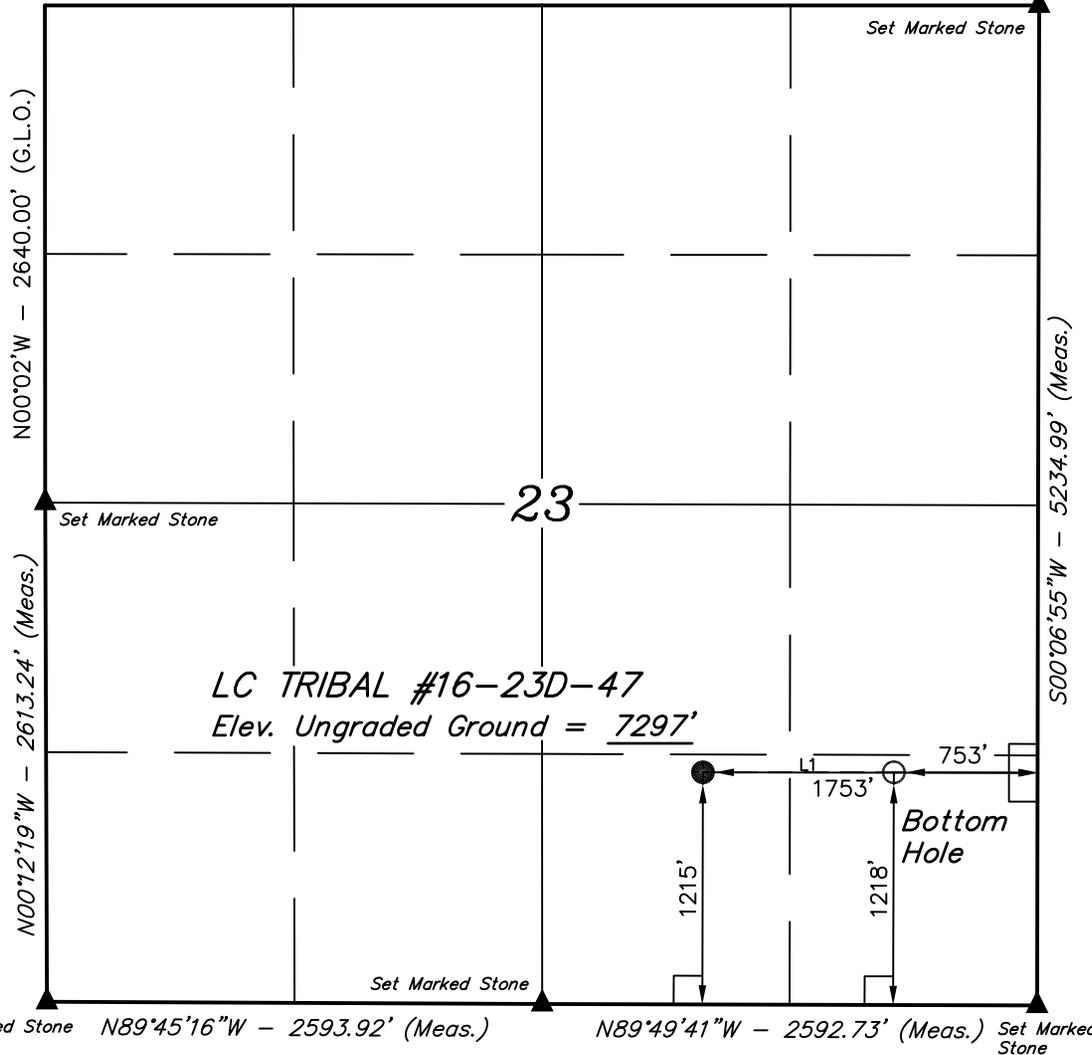
F. Miscellaneous Information:

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.

T4S, R7W, U.S.B.&M.

WEST - 5269.44' (G.L.O.)



BILL BARRETT CORPORATION

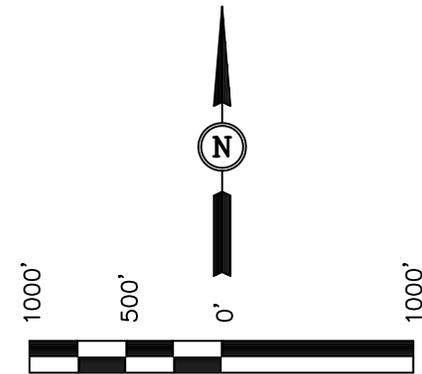
Well location, LC TRIBAL #16-23D-47, located as shown in the SW 1/4 SE 1/4 of Section 23, T4S, R7W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



SCALE CERTIFICATE

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

ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

REV: 11-04-11 K.O.
 REV: 09-21-11 K.O.

LINE TABLE		
LINE	BEARING	LENGTH
L1	EAST	1000.00'

LEGEND:

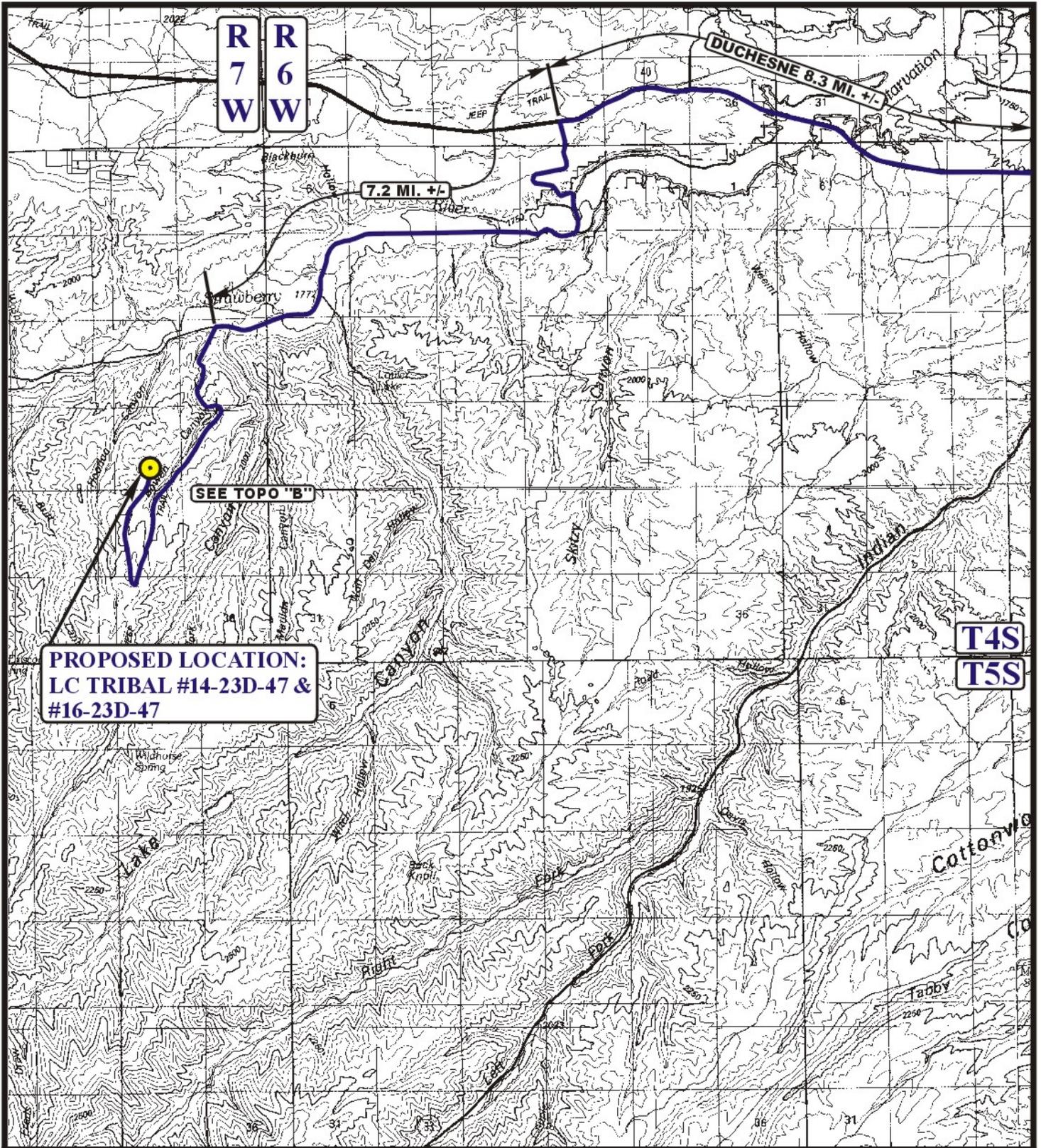
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°06'52.42" (40.114561)	LONGITUDE = 110°38'10.30" (110.636194)	LATITUDE = 40°06'52.39" (40.114553)	LONGITUDE = 110°38'23.17" (110.639769)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'52.58" (40.114606)	LONGITUDE = 110°38'07.74" (110.635483)	LATITUDE = 40°06'52.54" (40.114594)	LONGITUDE = 110°38'20.61" (110.639058)

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

SCALE 1" = 1000'	DATE SURVEYED: 05-05-08	DATE DRAWN: 06-16-08
PARTY S.H. T.P. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BILL BARRETT CORPORATION	

RECEIVED: January 13, 2012



LEGEND:

 PROPOSED LOCATION



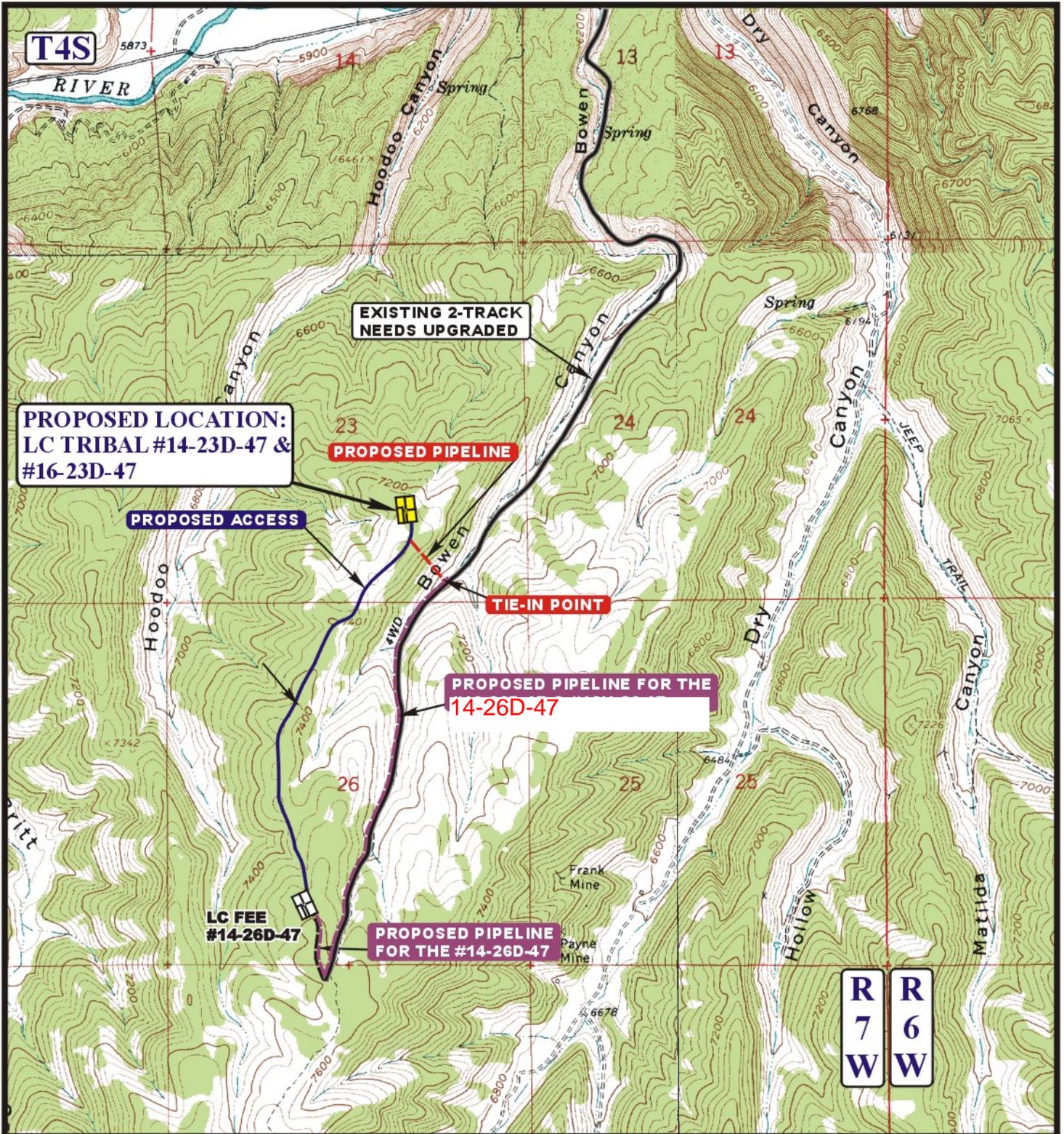
BILL BARRETT CORPORATION

**LC TRIBAL #14-23D-47 & #16-23D-47
SECTION 23, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4**



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

ACCESS ROAD MAP	06 17 08 MONTH DAY YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.J. REV: 10-21-11 J.L.H.	



APPROXIMATE TOTAL PIPELINE DISTANCE = 983' +/-

LEGEND:

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

BILL BARRETT CORPORATION

LC TRIBAL #14-23D-47 & #16-23D-47
SECTION 23, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4



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

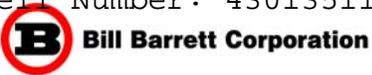
06 17 08
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: J.J.

REV: 10-21-11 J.L.H





COMPANY DETAILS: BILL BARRETT CORP	
Calculation Method:	Minimum Curvature
Error System:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic
Warning Method:	Error Ratio

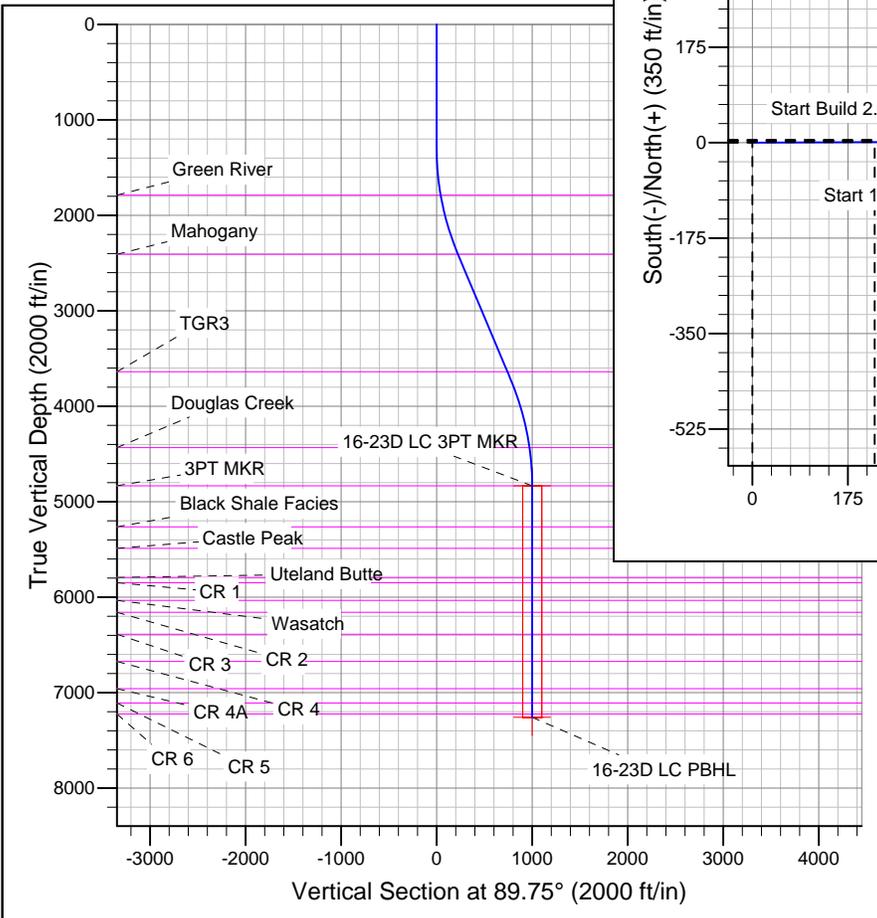
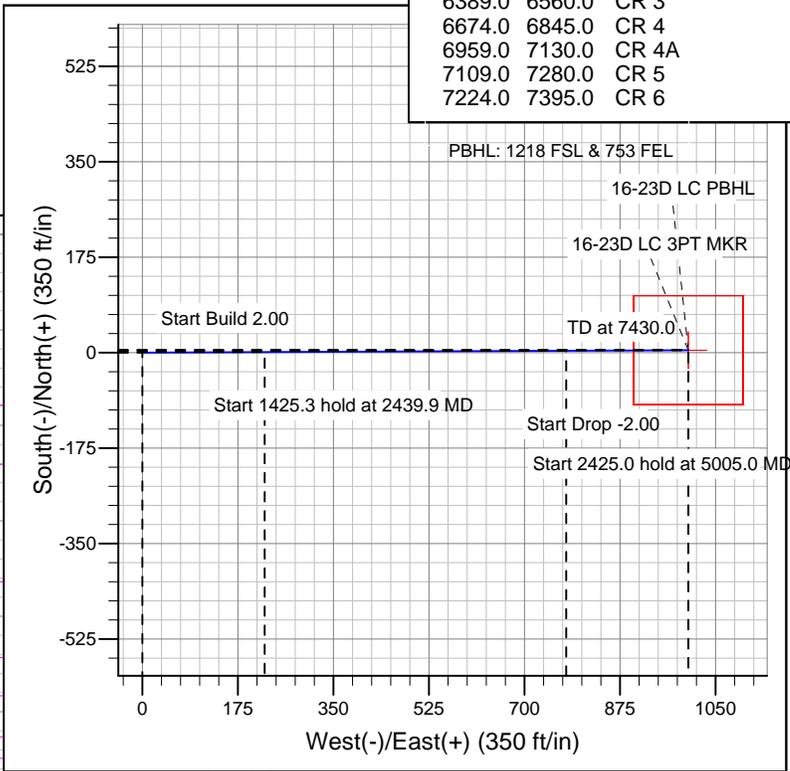
SITE DETAILS: 16-23D-47 LC Tribal	
Lake Canyon	
Site Centre Latitude:	40° 6' 52.538 N
Longitude:	110° 38' 20.609 W
Positional Uncertainty:	0.0
Convergence:	0.55
Local North:	True

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
16-23D LC 3PT MKR	4834.0	4.4	999.8	40° 6' 52.582 N	110° 38' 7.739 W	Rectangle (Sides: L200.0 W200.0)
16-23D LC PBHL	7259.0	4.4	999.8	40° 6' 52.582 N	110° 38' 7.739 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	2439.9	22.80	89.75	2410.0	1.0	223.8	2.00	89.75	223.8	
4	3865.1	22.80	89.75	3724.0	3.4	776.0	0.00	0.00	776.1	
5	5005.0	0.00	0.00	4834.0	4.4	999.8	2.00	180.00	999.9	16-23D LC 3PT MKR
6	7430.0	0.00	0.00	7259.0	4.4	999.8	0.00	0.00	999.9	16-23D LC PBHL

FORMATION TOP DETAILS		
TVDP	MDPath	Formation
1789.0	1791.4	Green River
2409.0	2438.8	Mahogany
3639.0	3773.0	TGR3
4434.0	4603.7	Douglas Creek
4834.0	5005.0	3PT MKR
5264.0	5435.0	Black Shale Facies
5489.0	5660.0	Castle Peak
5794.0	5965.0	Uteland Butte
5849.0	6020.0	CR 1
6034.0	6205.0	Wasatch
6159.0	6330.0	CR 2
6389.0	6560.0	CR 3
6674.0	6845.0	CR 4
6959.0	7130.0	CR 4A
7109.0	7280.0	CR 5
7224.0	7395.0	CR 6

CASING DETAILS
No casing data is available



Azimuths to True North
 Magnetic North: 11.49°
 Magnetic Field
 Strength: 52160.8snT
 Dip Angle: 65.73°
 Date: 12/16/2011
 Model: IGRF2010

BILL BARRETT CORP

DUCHESNE COUNTY, UT (NAD 27)

16-23D-47 LC Tribal

16-23D-47 LC Tribal

16-23D-47 LC Tribal

Plan: Design #1

Standard Planning Report

19 December, 2011

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-23D-47 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7313.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7313.0ft (Original Well Elev)
Site:	16-23D-47 LC Tribal	North Reference:	True
Well:	16-23D-47 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-23D-47 LC Tribal		
Design:	Design #1		

Project	DUCHESNE COUNTY, UT (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	16-23D-47 LC Tribal				
Site Position:		Northing:	649,944.87 ft	Latitude:	40° 6' 52.538 N
From:	Lat/Long	Easting:	2,240,781.54 ft	Longitude:	110° 38' 20.609 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.55 °

Well	16-23D-47 LC Tribal					
Well Position	+N/-S	0.0 ft	Northing:	649,944.86 ft	Latitude:	40° 6' 52.538 N
	+E/-W	0.0 ft	Easting:	2,240,781.54 ft	Longitude:	110° 38' 20.609 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,297.0 ft

Wellbore	16-23D-47 LC Tribal				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/16/2011	11.49	65.73	52,161

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	89.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,439.9	22.80	89.75	2,410.0	1.0	223.8	2.00	2.00	0.00	89.75	
3,865.1	22.80	89.75	3,724.0	3.4	776.0	0.00	0.00	0.00	0.00	
5,005.0	0.00	0.00	4,834.0	4.4	999.8	2.00	-2.00	0.00	180.00	16-23D LC 3PT MKR
7,430.0	0.00	0.00	7,259.0	4.4	999.8	0.00	0.00	0.00	0.00	16-23D LC PBHL

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-23D-47 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7313.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7313.0ft (Original Well Elev)
Site:	16-23D-47 LC Tribal	North Reference:	True
Well:	16-23D-47 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-23D-47 LC Tribal		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	2.00	89.75	1,400.0	0.0	1.7	1.7	2.00	2.00	0.00
1,500.0	4.00	89.75	1,499.8	0.0	7.0	7.0	2.00	2.00	0.00
1,600.0	6.00	89.75	1,599.5	0.1	15.7	15.7	2.00	2.00	0.00
1,700.0	8.00	89.75	1,698.7	0.1	27.9	27.9	2.00	2.00	0.00
1,791.4	9.83	89.75	1,789.0	0.2	42.0	42.0	2.00	2.00	0.00
Green River									
1,800.0	10.00	89.75	1,797.5	0.2	43.5	43.5	2.00	2.00	0.00
1,900.0	12.00	89.75	1,895.6	0.3	62.6	62.6	2.00	2.00	0.00
2,000.0	14.00	89.75	1,993.1	0.4	85.1	85.1	2.00	2.00	0.00
2,100.0	16.00	89.75	2,089.6	0.5	111.0	111.0	2.00	2.00	0.00
2,200.0	18.00	89.75	2,185.3	0.6	140.2	140.2	2.00	2.00	0.00
2,300.0	20.00	89.75	2,279.8	0.8	172.8	172.8	2.00	2.00	0.00
2,400.0	22.00	89.75	2,373.2	0.9	208.6	208.6	2.00	2.00	0.00
2,438.8	22.77	89.75	2,409.0	1.0	223.4	223.4	2.00	2.00	0.00
Mahogany									
2,439.9	22.80	89.75	2,410.0	1.0	223.8	223.8	2.00	2.00	0.00
2,500.0	22.80	89.75	2,465.5	1.1	247.1	247.1	0.00	0.00	0.00
2,600.0	22.80	89.75	2,557.7	1.3	285.8	285.8	0.00	0.00	0.00
2,700.0	22.80	89.75	2,649.8	1.4	324.6	324.6	0.00	0.00	0.00
2,800.0	22.80	89.75	2,742.0	1.6	363.3	363.3	0.00	0.00	0.00
2,900.0	22.80	89.75	2,834.2	1.8	402.1	402.1	0.00	0.00	0.00
3,000.0	22.80	89.75	2,926.4	1.9	440.8	440.8	0.00	0.00	0.00
3,100.0	22.80	89.75	3,018.6	2.1	479.6	479.6	0.00	0.00	0.00
3,200.0	22.80	89.75	3,110.8	2.3	518.3	518.3	0.00	0.00	0.00
3,300.0	22.80	89.75	3,203.0	2.4	557.1	557.1	0.00	0.00	0.00
3,400.0	22.80	89.75	3,295.2	2.6	595.8	595.8	0.00	0.00	0.00
3,500.0	22.80	89.75	3,387.3	2.8	634.6	634.6	0.00	0.00	0.00
3,600.0	22.80	89.75	3,479.5	3.0	673.3	673.3	0.00	0.00	0.00
3,700.0	22.80	89.75	3,571.7	3.1	712.1	712.1	0.00	0.00	0.00
3,773.0	22.80	89.75	3,639.0	3.3	740.3	740.3	0.00	0.00	0.00
TGR3									
3,800.0	22.80	89.75	3,663.9	3.3	750.8	750.8	0.00	0.00	0.00
3,865.1	22.80	89.75	3,724.0	3.4	776.0	776.1	0.00	0.00	0.00
3,900.0	22.10	89.75	3,756.2	3.5	789.4	789.4	2.00	-2.00	0.00
4,000.0	20.10	89.75	3,849.5	3.6	825.4	825.4	2.00	-2.00	0.00
4,100.0	18.10	89.75	3,944.0	3.8	858.1	858.1	2.00	-2.00	0.00
4,200.0	16.10	89.75	4,039.5	3.9	887.5	887.5	2.00	-2.00	0.00
4,300.0	14.10	89.75	4,136.1	4.0	913.5	913.5	2.00	-2.00	0.00
4,400.0	12.10	89.75	4,233.5	4.1	936.2	936.2	2.00	-2.00	0.00

Bill Barrett Corp

Planning Report

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Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7313.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7313.0ft (Original Well Elev)
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Well:	16-23D-47 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-23D-47 LC Tribal		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,500.0	10.10	89.75	4,331.6	4.2	955.4	955.5	2.00	-2.00	0.00	
4,600.0	8.10	89.75	4,430.3	4.3	971.3	971.3	2.00	-2.00	0.00	
4,603.7	8.03	89.75	4,434.0	4.3	971.8	971.8	2.00	-2.00	0.00	
Douglas Creek										
4,700.0	6.10	89.75	4,529.6	4.3	983.6	983.6	2.00	-2.00	0.00	
4,800.0	4.10	89.75	4,629.2	4.4	992.5	992.5	2.00	-2.00	0.00	
4,900.0	2.10	89.75	4,729.0	4.4	997.9	997.9	2.00	-2.00	0.00	
5,000.0	0.10	89.75	4,829.0	4.4	999.8	999.9	2.00	-2.00	0.00	
5,005.0	0.00	0.00	4,834.0	4.4	999.8	999.9	2.00	-2.00	-1,786.70	
3PT MKR - 16-23D LC 3PT MKR										
5,100.0	0.00	0.00	4,929.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,029.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,129.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,229.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,435.0	0.00	0.00	5,264.0	4.4	999.8	999.9	0.00	0.00	0.00	
Black Shale Facies										
5,500.0	0.00	0.00	5,329.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,429.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,660.0	0.00	0.00	5,489.0	4.4	999.8	999.9	0.00	0.00	0.00	
Castle Peak										
5,700.0	0.00	0.00	5,529.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,629.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,729.0	4.4	999.8	999.9	0.00	0.00	0.00	
5,965.0	0.00	0.00	5,794.0	4.4	999.8	999.9	0.00	0.00	0.00	
Uteland Butte										
6,000.0	0.00	0.00	5,829.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,020.0	0.00	0.00	5,849.0	4.4	999.8	999.9	0.00	0.00	0.00	
CR 1										
6,100.0	0.00	0.00	5,929.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,029.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,205.0	0.00	0.00	6,034.0	4.4	999.8	999.9	0.00	0.00	0.00	
Wasatch										
6,300.0	0.00	0.00	6,129.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,330.0	0.00	0.00	6,159.0	4.4	999.8	999.9	0.00	0.00	0.00	
CR 2										
6,400.0	0.00	0.00	6,229.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,329.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,560.0	0.00	0.00	6,389.0	4.4	999.8	999.9	0.00	0.00	0.00	
CR 3										
6,600.0	0.00	0.00	6,429.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,529.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,629.0	4.4	999.8	999.9	0.00	0.00	0.00	
6,845.0	0.00	0.00	6,674.0	4.4	999.8	999.9	0.00	0.00	0.00	
CR 4										
6,900.0	0.00	0.00	6,729.0	4.4	999.8	999.9	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,829.0	4.4	999.8	999.9	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,929.0	4.4	999.8	999.9	0.00	0.00	0.00	
7,130.0	0.00	0.00	6,959.0	4.4	999.8	999.9	0.00	0.00	0.00	
CR 4A										
7,200.0	0.00	0.00	7,029.0	4.4	999.8	999.9	0.00	0.00	0.00	
7,280.0	0.00	0.00	7,109.0	4.4	999.8	999.9	0.00	0.00	0.00	
CR 5										

Bill Barrett Corp

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Site:	16-23D-47 LC Tribal	North Reference:	True
Well:	16-23D-47 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-23D-47 LC Tribal		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,300.0	0.00	0.00	7,129.0	4.4	999.8	999.9	0.00	0.00	0.00
7,395.0	0.00	0.00	7,224.0	4.4	999.8	999.9	0.00	0.00	0.00
CR 6									
7,400.0	0.00	0.00	7,229.0	4.4	999.8	999.9	0.00	0.00	0.00
7,430.0	0.00	0.00	7,259.0	4.4	999.8	999.9	0.00	0.00	0.00
16-23D LC PBHL									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,791.4	1,789.0	Green River		0.00	
2,438.8	2,409.0	Mahogany		0.00	
3,773.0	3,639.0	TGR3		0.00	
4,603.7	4,434.0	Douglas Creek		0.00	
5,005.0	4,834.0	3PT MKR		0.00	
5,435.0	5,264.0	Black Shale Facies		0.00	
5,660.0	5,489.0	Castle Peak		0.00	
5,965.0	5,794.0	Uteland Butte		0.00	
6,020.0	5,849.0	CR 1		0.00	
6,205.0	6,034.0	Wasatch		0.00	
6,330.0	6,159.0	CR 2		0.00	
6,560.0	6,389.0	CR 3		0.00	
6,845.0	6,674.0	CR 4		0.00	
7,130.0	6,959.0	CR 4A		0.00	
7,280.0	7,109.0	CR 5		0.00	
7,395.0	7,224.0	CR 6		0.00	

SURFACE USE PLAN

BILL BARRETT CORPORATION

<p><u>LC Tribal 14-23D-47 (formerly 15-23-47 DLB)</u> SW SE, 1231' FSL and 1755' FEL, Sec. 23, T4S-R7W (surface hole) SE SW, 1228' FSL and 2439' FEL, Sec. 23, T4S-R7W (bottom hole)</p>	<p><u>LC Tribal 16-23D-47</u> SW SE, 1215' FSL and 1753' FEL, Sec. 23, T4S-R7W (surface hole) SE SE, 1218' FSL and 753' FEL, Sec. 23, T4S-R7W (bottom hole)</p>
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Tribal concurrences were approved for this wellpad and access road under ROW H62-2010-062 and an approved APD was issued for the 15-23-47 DLB on March 14, 2010. BBC will sundry the 15-23-47 DLB to be a directional well and change the name to the LC Tribal 14-23D-47. We are now proposing an additional directional well to be drilled from this pad, the LC Tribal 16-23D-47. **No additional disturbance is being requested beyond what the current ROW allows and the BIA is working on a Categorical Exclusion for this additional well.**

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 18.4 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
 - b. The existing State Highway 40 would be utilized for 8.3 miles to the existing Bowen Canyon 2-track road that requires upgrades.
 - 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 permits are required.
 - f. All existing roads would be maintained and kept in good repair during all phases of operation.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
Duchesne County, UT

2. Planned Access Road:

- a. From Highway 40, BBC will traverse the Bowen Canyon 2-track (which will be upgraded as allowed by the approved 7-26-47 DLB (ROW H62-2010-063) to the approved access for the LC Fee 14-26-47 (ROW H62-2010-059).
Approximately 6206 feet of proposed new access road has been previously approved to reach this pad under ROW H62-2010-062 to reach this pad (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
LC Tribal 14-23D-47 & 16-23D-47
Duchesne County, UT

- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

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

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

4. Location of Production Facilities

- a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (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 ESP or gas lift unit, electrical or with a natural gas or diesel 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 ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 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 electricity.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
Duchesne County, UT

- 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. **The proposed pipeline corridor for this was not initially approved at the time the well pad and access road were issued tribal concurrences. BBC will submit a subsequent sundry of the proposed pipeline corridor and associated tribal concurrence once it has been obtained. The information below would apply to the pipeline corridor once approved.**

Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC wells. The pipeline crosses entirely Ute Tribe surface.

- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation.

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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
43-2505, Appln t37379	McKinnon Ranch Properties, LC	1.3 cfs	4/28/2011	Pumped from Sec, 17, T4SR6W	Water Canyon Lake
43-12415, Change A17215a	Peatross Ranch, LLC	1.89 cfs	09/2011	Dugout Pond	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.

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Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
Duchesne County, UT

- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

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

7. Methods of Handling Waste Disposal:

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

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

Bill Barrett Corporation
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Disposal Facilities
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

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

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Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
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- l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
 - m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.
8. Ancillary Facilities:
- a. Garbage containers and portable toilets would be located on the well pad.
 - b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
9. Well Site Layout:
- a. The well would be properly identified in accordance with 43 CFR 3162.6.
 - b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
 - c. The pad and road designs are consistent with industry specifications.
 - d. The pad has been staked at its maximum size of 355 feet x 240 feet with an inboard reserve pit size of 200 feet x 70 feet x 8 feet deep. See section 12.d below for disturbance estimates.
 - e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
 - f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
 - g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting,

Bill Barrett Corporation
Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
Duchesne County, UT

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.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed

Bill Barrett Corporation
Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
Duchesne County, UT

over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.

- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

12. Other Information:

- a. Montgomery Archeological Consultants has conducted Class III archeological surveys. Copies of the reports have been submitted under separate cover to the appropriate agencies by Montgomery as report 08-149, dated July 7, 2008 and report 11-300 dated October 24, 2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
 - No dogs or firearms within the Project Area.
 - No littering within the Project Area.
 - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
 - Campfires or uncontained fires of any kind would be prohibited.
 - Portable generators used in the Project Area would have spark arrestors.

d. Disturbance estimates:

Approximate Acreage Disturbances

Well Pad		2.696	acres
Access	6206 feet	4.238	acres

Total 6.934 acres

Bill Barrett Corporation
Surface Use Plan
LC Tribal 14-23D-47 & 16-23D-47
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.

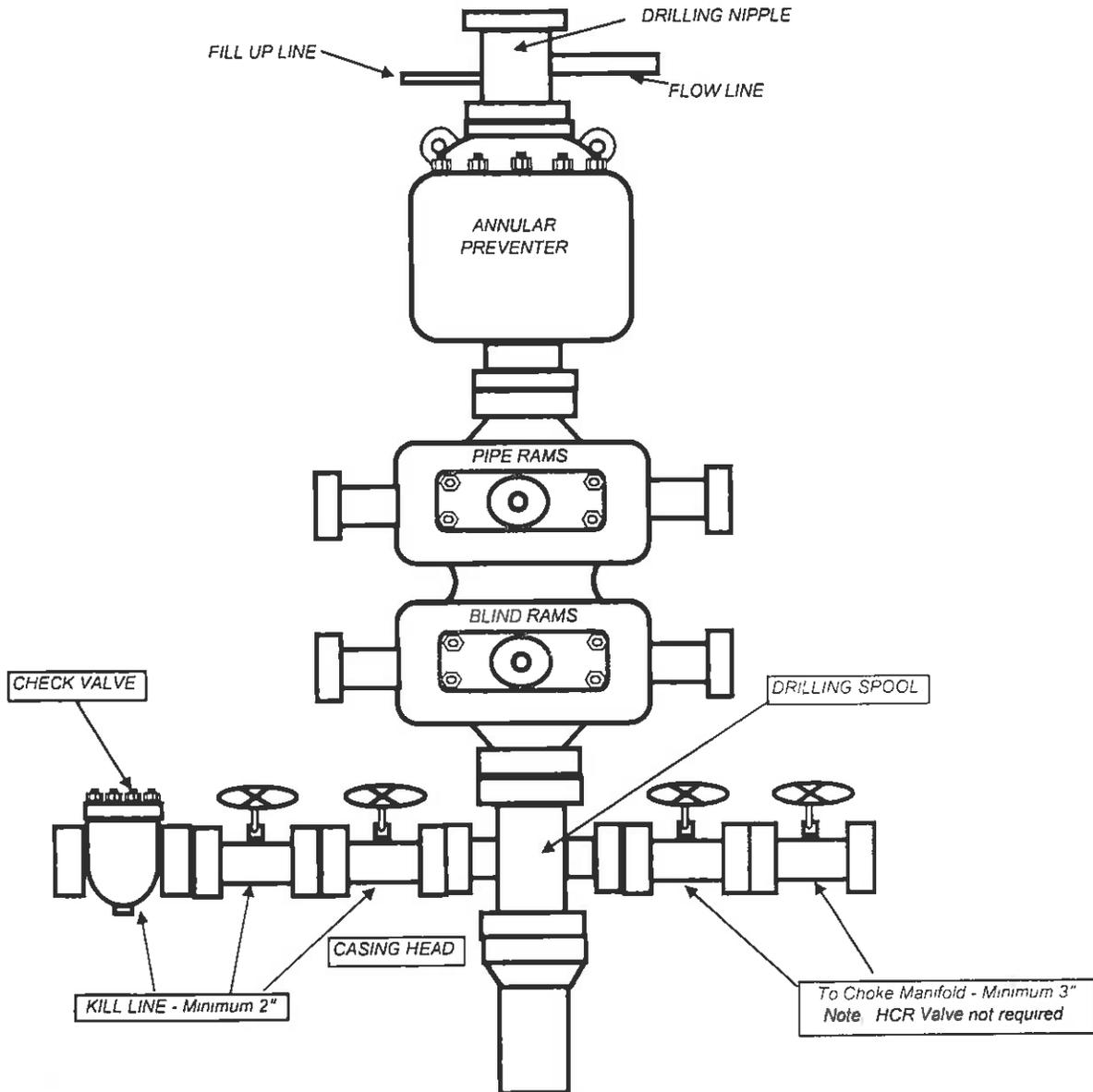
Executed this 13th day of January 2012
Name: Venessa Langmacher
Position Title: Senior Permit Analyst
Address: 1099 18th Street, Suite 2300, Denver, CO 80202
Telephone: 303-312-8172
E-mail: vlangmacher@billbarrettcorp.com
Field Representative Kary Eldredge / Bill Barrett Corporation
Address: 1820 W. Highway 40, Roosevelt, UT 84066
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)
E-mail: keldredge@billbarrettcorp.com



Venessa Langmacher, Senior Permit Analyst

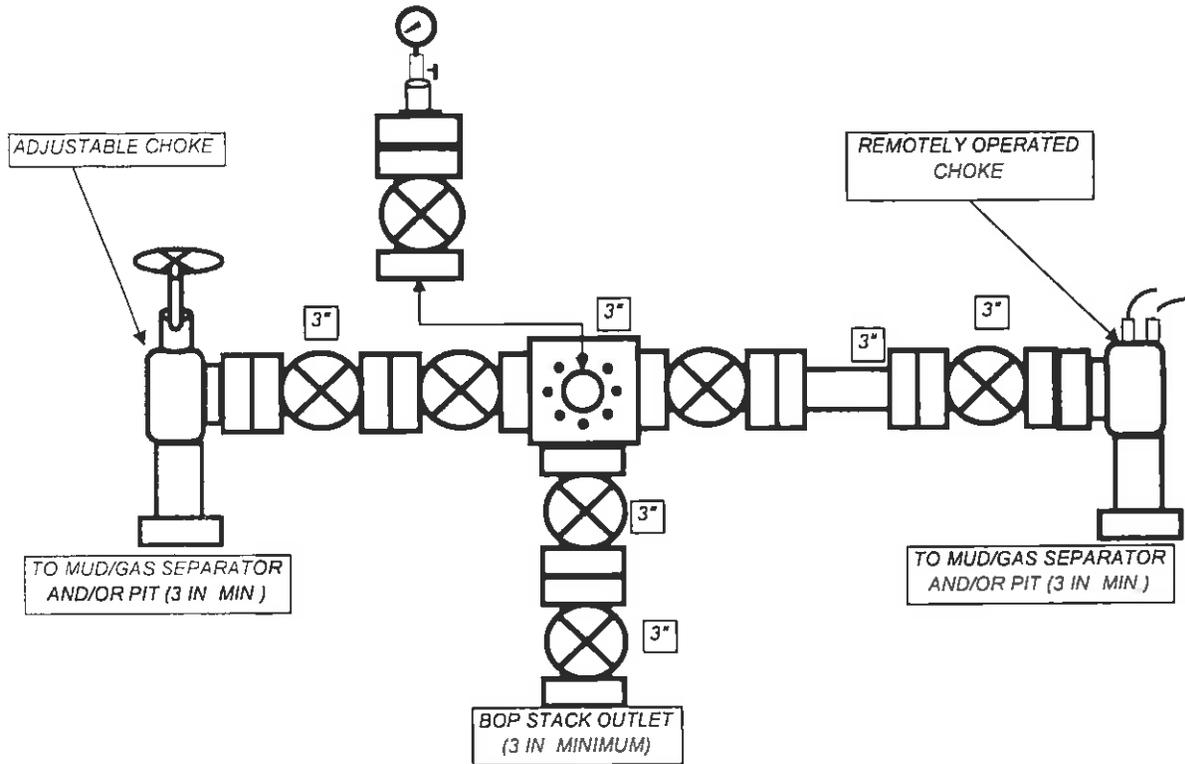
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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





January 13, 2012

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
Lake Canyon Area #16-23D-47 LC Tribal Well
Surface: 1215' FSL & 1753' FEL, SWSE, 23-T4S-R7W, USM
Bottom Hole: 1218' FSL & 753' FEL, SESE, 23-T4S-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,

A handwritten signature in blue ink that reads 'Venessa Langmackey' with a small 'DW' monogram below it.

David Watts
Landman

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

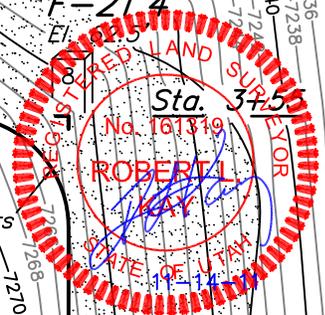
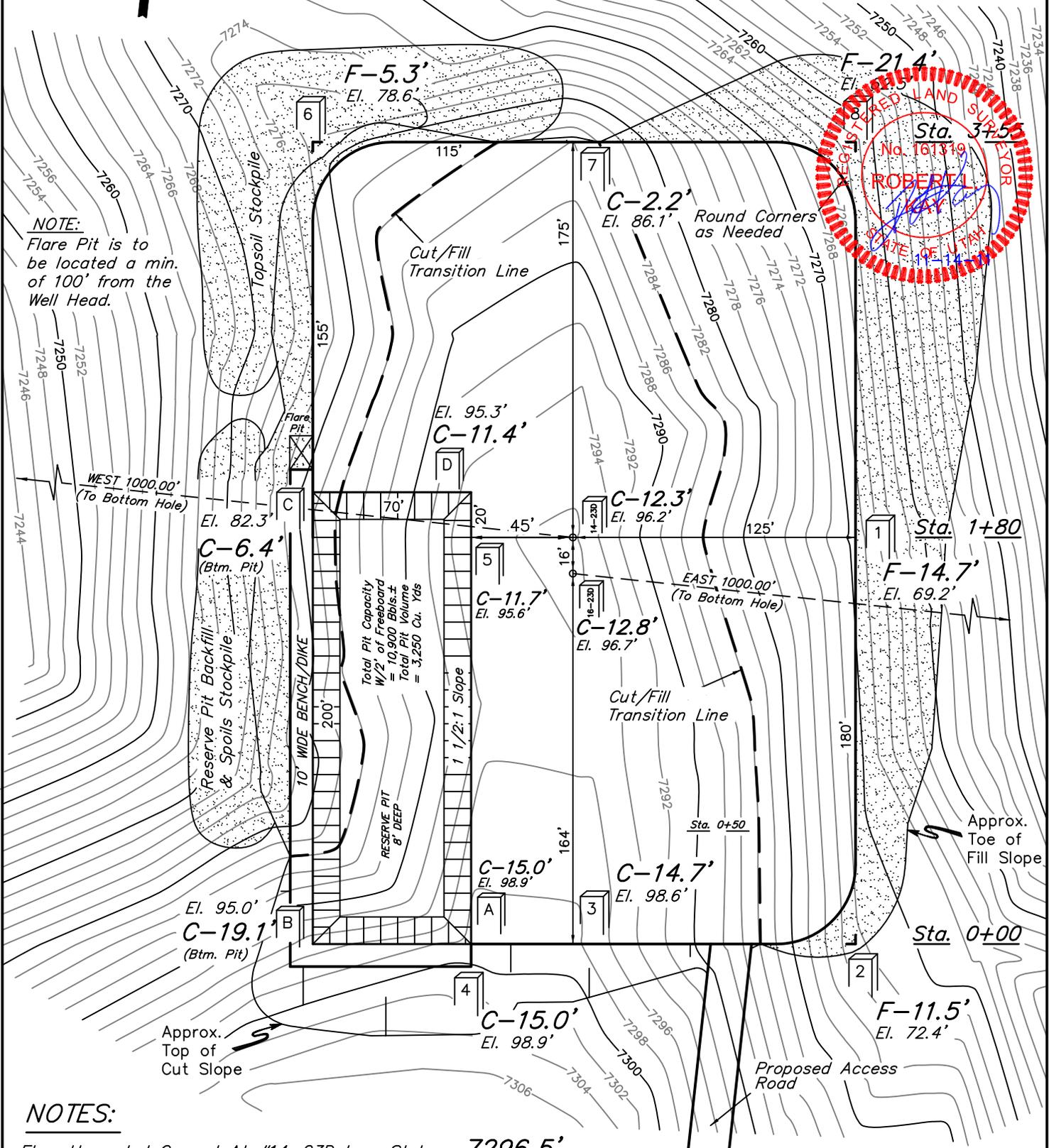
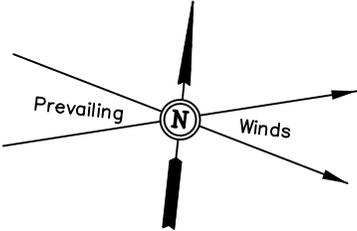
BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

LC TRIBAL #14-23D-47 & #16-23D-47
SECTION 23, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 60'
DATE: 06-16-08
DRAWN BY: C.H.
REV: 09-21-11 K.O.
REV: 11-04-11 K.O.
REV: 11-11-11 K.O.



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

WEST 1000.00'
(To Bottom Hole)

EAST 1000.00'
(To Bottom Hole)

Total Pit Capacity
W/2 of Freeboard
= 10,900 Bbls.±
Total Pit Volume
= 3,250 Cu. Yds

NOTES:

Elev. Ungraded Ground At #14-23D Loc. Stake = 7296.5'
FINISHED GRADE ELEV. AT #14-23D LOC. STAKE = 7283.9'

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

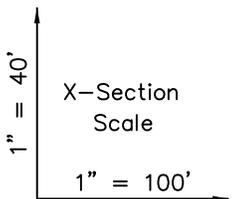
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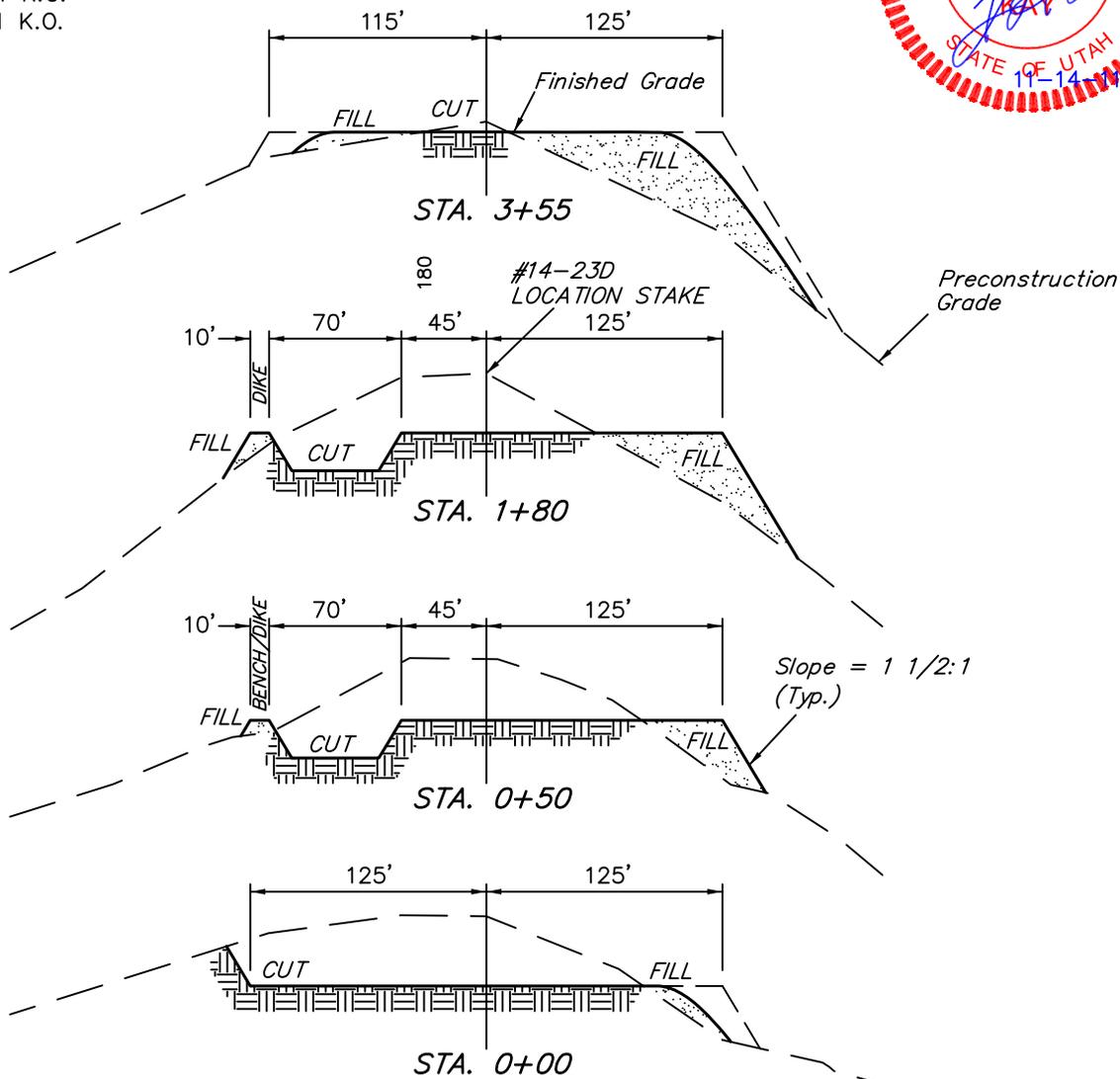
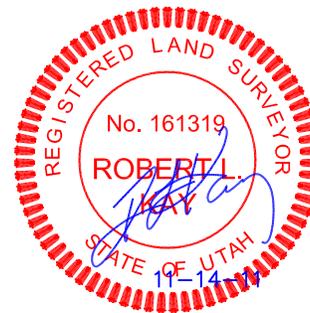
TYPICAL CROSS SECTIONS FOR

LC TRIBAL #14-23D-47 & #16-23D-47
SECTION 23, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4

FIGURE #2



DATE: 06-16-08
DRAWN BY: C.H.
REV: 09-21-11 K.O.
REV: 11-04-11 K.O.
REV: 11-11-11 K.O.



WELL SITE DISTURBANCE = 2.696 ACRES
ACCESS ROAD DISTURBANCE = 4.238 ACRES
TOTAL = 6.934 ACRES

NOTE:

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

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 4,690 Cu. Yds.
Remaining Location	= 17,440 Cu. Yds.
TOTAL CUT	= 22,130 CU.YDS.
FILL	= 15,810 CU.YDS.

EXCESS MATERIAL	= 6,320 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 6,320 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

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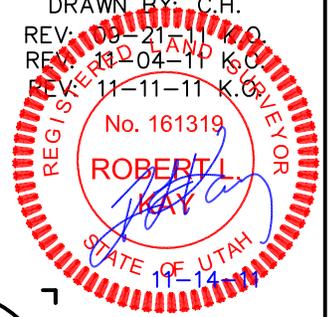
TYPICAL RIG LAYOUT FOR

LC TRIBAL #14-23D-47 & #16-23D-47
SECTION 23, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4

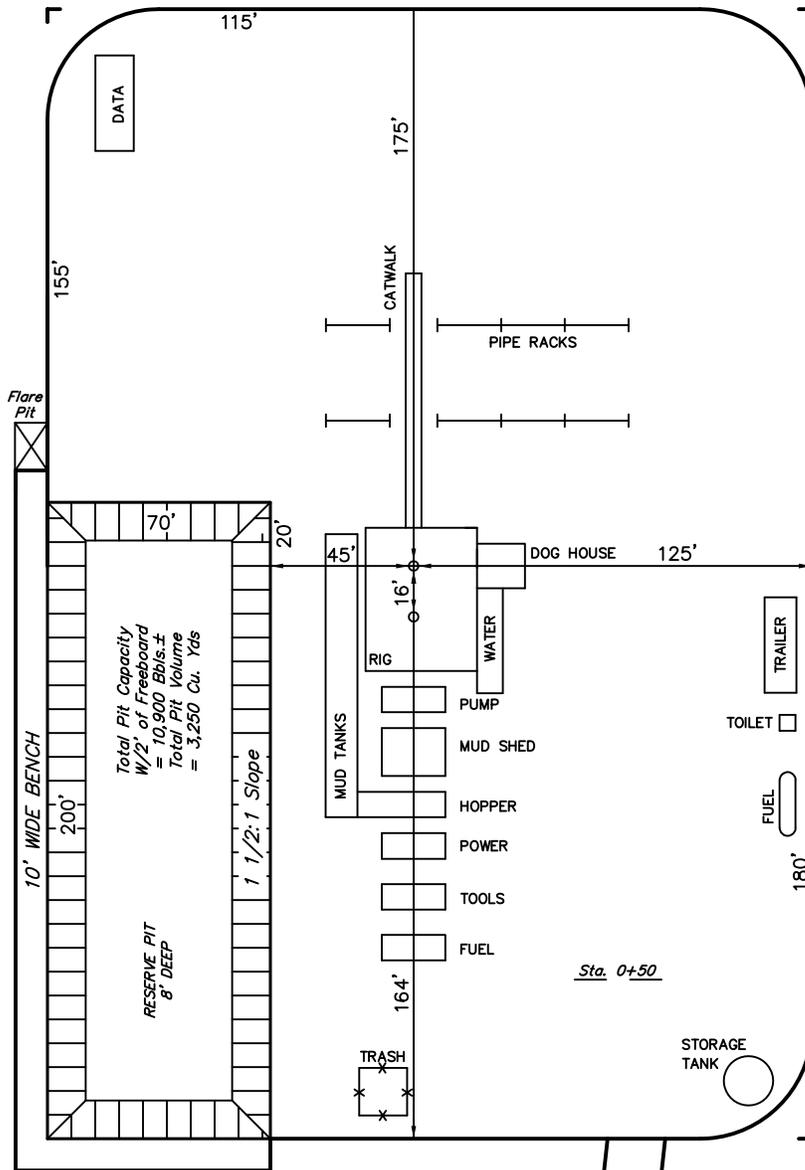
FIGURE #3

SCALE: 1" = 60'
DATE: 06-16-08
DRAWN BY: C.H.

REV: 06-21-08
REV: 07-04-11 K.S.
REV: 11-11-11 K.S.



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



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

RECEIVED: January 13, 2012

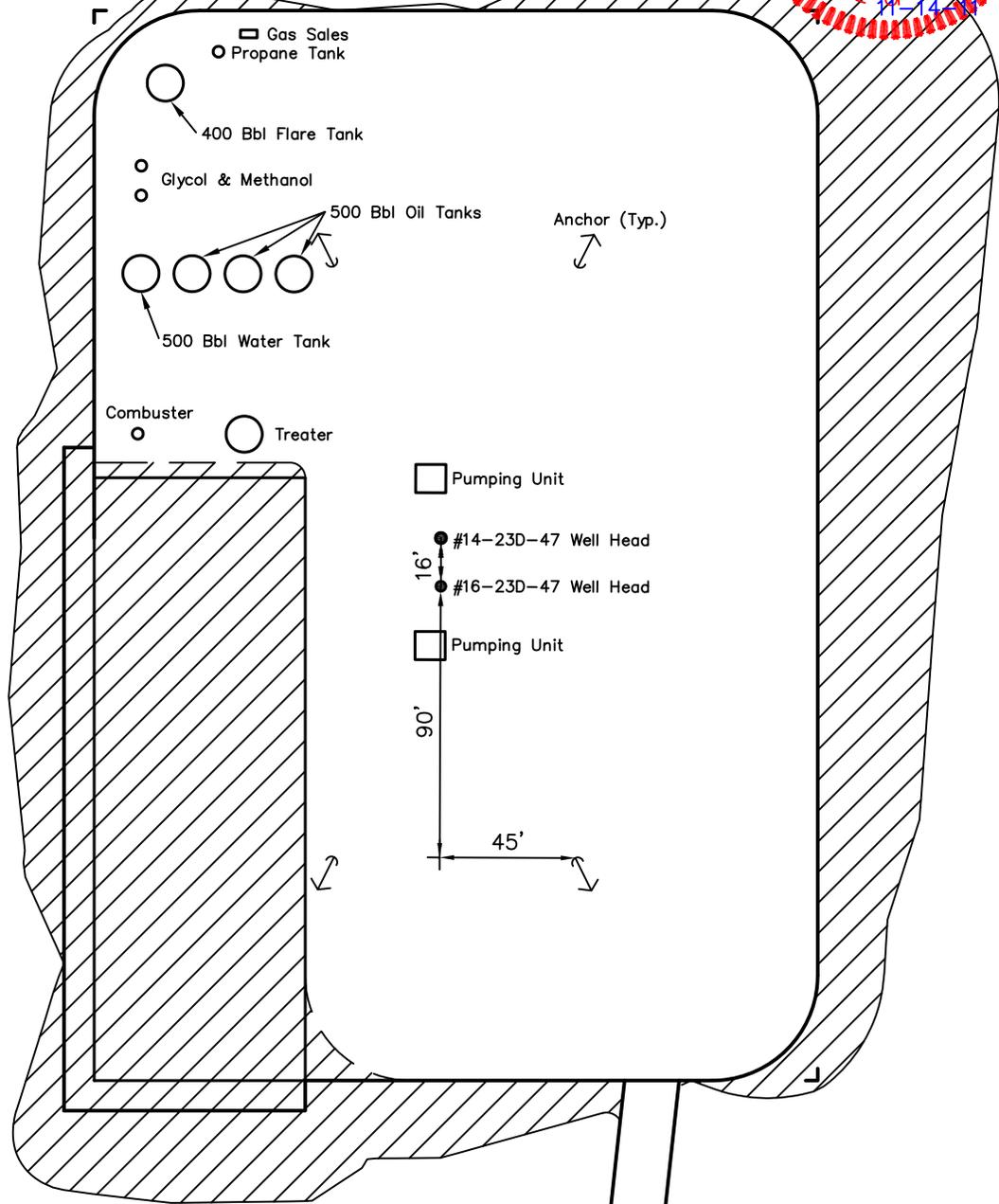
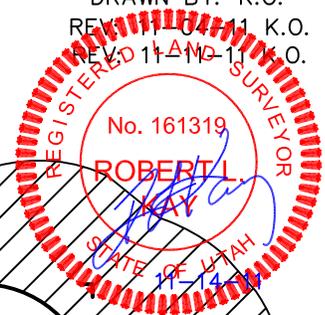
BILL BARRETT CORPORATION

INTERIM RECLAMATION PLAN FOR

LC TRIBAL #14-23D-47 & #16-23D-47
SECTION 23, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4

FIGURE #4

SCALE: 1" = 60'
DATE: 09-21-11
DRAWN BY: K.O.
REV. 11-11-11 K.O.
REV. 11-11-11 K.O.

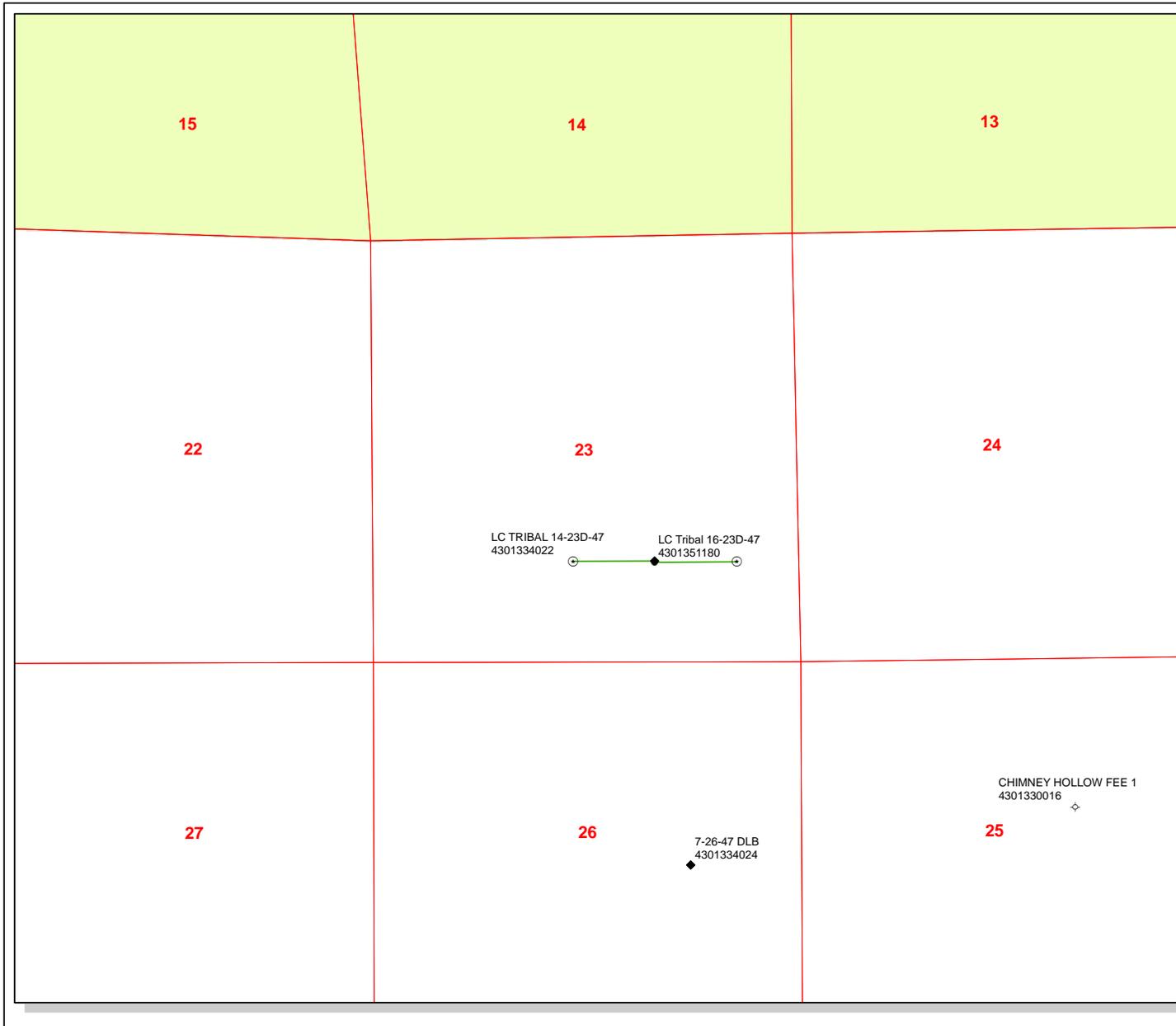


 INTERIM RECLAMATION

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 1.602 ACRES

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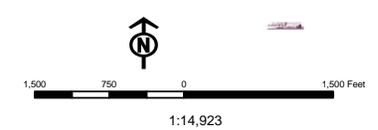
RECEIVED: January 13, 2012



API Number: 4301351180
Well Name: LC Tribal 16-23D-47
Township T0.4 . Range R0.7 . Section 23
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

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



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/13/2012

API NO. ASSIGNED: 43013511800000

WELL NAME: LC Tribal 16-23D-47

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWSE 23 040S 070W

Permit Tech Review:

SURFACE: 1215 FSL 1753 FEL

Engineering Review:

BOTTOM: 1218 FSL 0753 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.11448

LONGITUDE: -110.63972

UTM SURF EASTINGS: 530702.00

NORTHINGS: 4440525.00

FIELD NAME: WILDCAT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005500

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - LPM8874725
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-180
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason
4 - Federal Approval - dmason
15 - Directional - dmason
23 - Spacing - 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: LC Tribal 16-23D-47

API Well Number: 43013511800000

Lease Number: 2OG0005500

Surface Owner: INDIAN

Approval Date: 1/19/2012

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 R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled,

completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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:



For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 17 2012

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005500
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	8. Lease Name and Well No. LC TRIBAL 16-23D-47
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSE 1215FSL 1753FEL 40.114553 N Lat, 110.639769 W Lon At proposed prod. zone SESE 1218FSL 753FEL 40.114561 N Lat, 110.636194 W Lon		9. API Well No. 43-013-51180
14. Distance in miles and direction from nearest town or post office* 18.4 MILES SOUTHWEST OF DUCHESNE, UT		10. Field and Pool, or Exploratory UNDESIGNATED
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 753' (BOTTOM HOLE)	16. No. of Acres in Lease 123995.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec 23 T4S R7W Mer UBM
17. Spacing Unit dedicated to this well 640.00	18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 5098' P&A	12. County or Parish DUCHESNE
19. Proposed Depth 7430 MD 7259 TVD	20. BLM/BIA Bond No. on file LPM8874725	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7297 GL	22. Approximate date work will start 03/01/2012	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:

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

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 01/13/2012
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date MAY 17 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

Electronic Submission #128123 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 02/01/2012

NOTICE OF APPROVAL

RECEIVED

JUN 11 2012

DIV. OF OIL, GAS & MINING

UDOGM

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

NO NOS

171 RD MONTAG



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: LC Tribal 16-23D-47
API No: 43-013-51180

Location: SWSE, Sec. 23, T4S, R7W
Lease No: 2OG0005500
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: 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.

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

CONDITIONS OF APPROVAL:

- Production Equipment will be painted Beetle Green to help blend into the surrounding vegetation.
- See Exhibit One of the approved EA U&O-FY12-Q3-080 for additional mitigation measures that must be followed for each of the proposed well locations. There are also site specific COAs of concern towards the back of that document that must be adhered to.

General Conditions of Approval:

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- Bill Barrett Corporation will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All

construction will cease.

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

DOWNHOLE PROGRAM

CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A CBL/GR shall be run from PBTD to the TOC 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.

- 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.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

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

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling
Submitted By Tracey Fallang Phone Number 303-312-8134
Well Name/Number LC Tribal 16-23D-47
Qtr/Qtr SWSE Section 23 Township 4S Range 7W
Lease Serial Number 2OG0005500
API Number 4301351180

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

Date/Time 7/11/2012 10:00 AM PM

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

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

RECEIVED
JUL 10 2012
DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

BOPE

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

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 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: 20G0005500	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: LC Tribal 16-23D-47	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013511800000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S Range: 07.0W Meridian: U		9. FIELD and POOL or WILDCAT: WILDCAT	
		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: 7/13/2012 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input 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 was spud on 7/13/2012.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 18, 2012			
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 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
4304752163	FD 3-36D-6-19		NENW	36	6S	19E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18615	7/11/2012			7-18-2012	
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. GRRV							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334022	LC Tribal 14-23D-47		SWSE	23	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18616	7/11/2012			7-18-2012	
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. WSTC							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351180	LC Tribal 16-23D-47		SWSE	23	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18617	7/13/2012			7-18-2012	
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. WSTC							

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

7/17/2012

Title

Date

RECEIVED
JUL 18 2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
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: Uintah 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC Tribal 16-23D-47
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013511800000
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: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S Range: 07.0W Meridian: U	9. FIELD and POOL or WILDCAT: WILDCAT 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.

Well spud this month; no other 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	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
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: Uintah 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013511800000
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: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S Range: 07.0W Meridian: U	9. FIELD and POOL or WILDCAT: WILDCAT 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
	<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 August 2012 monthly drilling activity to report.

**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	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Patterson 313
 Submitted By Cecil E. Crow Phone Number 303-353-5394
 Well Name/Number 16-23D-47 LC TRIBAL
 Qtr/Qtr SWSE Section 23 Township 4S Range 7W
 Lease Serial Number 20G0005500
 API Number 43-013-51180

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

Date/Time _____ AM PM

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

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

RECEIVED
 SEP 04 2012
 DIV. OF OIL, GAS & MINING

Date/Time 09/05/2012 21:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks RUN SURFACE CSG & CMT

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Patterson 313
 Submitted By Cecil E. Crow Phone Number 303-353-5394
 Well Name/Number 16-23D-47 LC TRIBAL
 Qtr/Qtr SWSE Section 23 Township 4S Range 7W
 Lease Serial Number 20G0005500
 API Number 43-013-51180

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

Date/Time _____ AM PM

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

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

RECEIVED
 SEP 04 2012
 DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

BOPE

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

Date/Time 09/06/2012 01:00 AM PM

Remarks TEST BOPE

SUBMIT AS EMAIL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Patterson 313
Submitted By Jody South Phone Number 303-353-5394
Well Name/Number LC TRIBAL 16-23D-47
Qtr/Qtr SWSE Section 23 Township 4S Range 7W
Lease Serial Number 20G0005500
API Number 43-013-51180

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 9/11/2012 19:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks RUN CASING & CEMENT

RECEIVED
SEP 11 2012
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013511800000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S Range: 07.0W Meridian: U		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<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 style="width: 100px;" type="text"/>
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

**16-23D-47 LC Tribal 9/4/2012 10:00 - 9/5/2012 06:00**

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	7.50	17:30	1	RIGUP & TEARDOWN	PREP RIG FOR WALK/RD KOOMEY, CHOKE, MOUSE HOLE, FLOW LINE, INSTALL CAP ON 14-23D-47 LC TRIBAL & BRADEN HEAD GAUGE, FLOW NIPPLE, SET BACK STACK, RD CAT WALK AND WALK RIG/RU CONDUCTOR & FLOW LINE
17:30	1.50	19:00	9	CUT OFF DRILL LINE	CUT & SLIP 122' OF DRLG LINE
19:00	1.00	20:00	20	DIRECTIONAL WORK	PU & MU BIT, BIT MUD MTR, UBHO, SHOCK SUB, REAMER, MONEL, GAP SUB, MONEL
20:00	1.00	21:00	2	DRILL ACTUAL	DRILL ACTUAL/ 102'-200'/ WOB 22K/PUMP #1 90 / PUMP #2 0/ ROT RPM 45/ BIT RPM 60/ ROP 98
21:00	1.00	22:00	20	DIRECTIONAL WORK	INSTALL EM TOOL/PU & MU REAMER & 8" COLLARS
22:00	8.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL/ 200'-838'/ WOB 22K/PUMP #1 75 / PUMP #2 75/ ROT RPM 45/ BIT RPM 106/ ROP 79.75

16-23D-47 LC Tribal 9/5/2012 06:00 - 9/6/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	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	DRILL ACTUAL/ 838'-1,534'/ WOB 22K/PUMP #1 75 / PUMP #2 75/ ROT RPM 45/ BIT RPM 106/ ROP 81.88/ 100% SLIDE F/838'
14:30	0.50	15:00	5	COND MUD & CIRC	CIRC SWEEPS TO SURFACE
15:00	3.00	18:00	6	TRIPS	WIPER TRIP TO 8" D.C.
18:00	0.50	18:30	5	COND MUD & CIRC	CIRC SWEEPS TO SURFACE
18:30	2.00	20:30	6	TRIPS	TOOH W/ BIT #1/LD 8" D.C. & 3-PT REAMER
20:30	1.50	22:00	20	DIRECTIONAL WORK	LD DIR TOOLS
22:00	4.50	02:30	12	RUN CASING & CEMENT	RU CASING CREW/HELD SAFETY MEETING/RUN 35 JT 1,538.35' OF 9-5/8 36# J-55 ST&C Rng3/SURFACE CASING/SHOE @ 1,534'/BRK CIRC @ 525', 1,054', 1,358', & 1,532'/RD CASING CREW
02:30	3.50	06:00	12	RUN CASING & CEMENT	CIRC/RU HALLIBURTON/TEST LINES @ 2,500 PSI PUMP 20 BBL H2O SPACER/40BBL SUPER FLUSH/ 20 BBL H2O SPACER/ LEAD 200 SKS 112 BBL 628 CU/FT 11.0PPG 3.16 YEILD 19.48 GAL/SK/TAI 235 SKS 55 BBL 308 CU/FT 14.8PPG 1.33 YEILD 6.31 GAL/SK

16-23D-47 LC Tribal 9/6/2012 06:00 - 9/7/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	12	RUN CASING & CEMENT	R/U CEMENTERS, PRESSURE TEST TO 2500 PSI, PUMP 22 BBL WATER, PUMP 40 BBL SUPERFLUSH, PUMP 200 SKS LEAD 112 BBL 11.0 PPG 3.16 YEILD 19.48 GAL/SK, TAIL 55 BBL 235 SKS 14.8 PPG 1.33 YEILD 6.31 GAL/SK, DISPLACE 115 BBL, FINAL LIFT 564 PSI, BUMP PLUG @ 1,091 PSI HELD 3 MIN/FLOATS HELD, R/D HALIBURTON
09:30	4.50	14:00	21	OPEN	WAIT ON WELDER/WELD ON WELLHEAD
14:00	4.00	18:00	14	NIPPLE UP B.O.P	NIPPLE UP/TEST KOOMY LINES/RIG UP BOP TESTER
18:00	3.50	21:30	15	TEST B.O.P	TEST B.O.P.
21:30	0.50	22:00	21	OPEN	SET WEAR BUSHING
22:00	2.00	00:00	20	DIRECTIONAL WORK	MAKE UP BIT, MONEL, INSTLL MWD TOOL
00:00	1.50	01:30	6	TRIPS	TIH
01:30	1.00	02:30	3	REAMING	DRILL OUT FLOAT @ 1487' AND SHOE @ 1533'
02:30	0.50	03:00	2	DRILL ACTUAL	DRILL ACTUAL F/1533' - T/1553'
03:00	0.50	03:30	22	OPEN	E.M.W. TEST 92 PSI FOR 5 MINS. LOST 2 PSI
03:30	2.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/1553' - T/1789'

**16-23D-47 LC Tribal 9/7/2012 06:00 - 9/8/2012 06:00**

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.50	09:30	2	DRILL ACTUAL	DRILL ACTUAL F/1789' - T/2170'	
09:30	0.50	10:00	7	LUBRICATE RIG	LUBRICATE RIG	
10:00	8.00	18:00	2	DRILL ACTUAL	DRILL ACTUAL F/2170' - T/2928	
18:00	2.50	20:30	2	DRILL ACTUAL	DRILL ACTUAL F/2928' - T/3021'/LOST RETURNS @ 2865' DRILLING BLIND	
20:30	0.50	21:00	5	COND MUD & CIRC	BUILD 50% LCM SWEEP AND PUMP AWAY, NO RETURNS	
21:00	0.50	21:30	6	TRIPS	TOOH 4 STANDS	
21:30	1.00	22:30	5	COND MUD & CIRC	BUILD 50% LCM SWEEP AND 50% LCM 35-40 VIS IN ACTIVE	
22:30	0.50	23:00	6	TRIPS	TOOH TO SHOE	
23:00	1.00	00:00	5	COND MUD & CIRC	BUILD 50% LCM SWEEP AND PACKED OFF DRILL STRING	
00:00	1.00	01:00	6	TRIPS	TOOH TO CLEAN DRILL STRING	
01:00	4.00	05:00	21	OPEN	CLEAN OUT LCM FROM COLLARS, MONELS, PULL MWD TOOL, STAND BACK MONELS	
05:00	1.00	06:00	22	OPEN	PICK UP NEW MUD MOTOR, STAND BACK IN DERRICK, RAISE LCM IN MUD TANKS TO 50%	

16-23D-47 LC Tribal 9/8/2012 06:00 - 9/9/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	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	5	COND MUD & CIRC	RAISE LCM IN MUD TANKS TO 50%	
08:30	0.50	09:00	6	TRIPS	TIH OPEN ENDED TO 1521'	
09:00	1.50	10:30	5	COND MUD & CIRC	SENT 2 - 80BBS 80% LCM SWEEPS/CIRCULATED 60 MIN AFTER GETTING RETURNS	
10:30	0.50	11:00	6	TRIPS	TOOH	
11:00	2.50	13:30	6		TIH W/8.75" TRICONE @ 45'/MIN	
13:30	0.50	14:00	5	COND MUD & CIRC	PACKED OF STRING @4500' TRYING TO GET RETURNS	
14:00	1.50	15:30	6	TRIPS	TOOH TO CLEAN STRING	
15:30	2.50	18:00	6	TRIPS	TIH W/8.75" TRICONE/FLOAT WAS REPLACED	
18:00	2.00	20:00	6	TRIPS	STAGE IN HOLE @45'/MIN, TO 300' PACKED OFF STRING	
20:00	2.00	22:00	6	TRIPS	TOOH TO UNPLUG DRILL STRING	
22:00	3.50	01:30	6	TRIPS	MAKE UP BIT TO DIR TOOLS AND STAGE IN @45'/MIN. FILLING EVERY 5 STANDS WITH FRESH WATER TO BOTTOM.	
01:30	0.50	02:00	3	REAMING	REAM F/2785' - T/3023'	
02:00	4.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/3023' - T/3403'	

16-23D-47 LC Tribal 9/9/2012 06:00 - 9/10/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.50	17:30	2	DRILL ACTUAL	DRILL ACTUAL F/3403' - T/4354'	
17:30	0.50	18:00	7	LUBRICATE RIG	LUBRICATE RIG	
18:00	12.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/4354' - T/5400'	

16-23D-47 LC Tribal 9/10/2012 06:00 - 9/11/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/5400' - T/7331'	

**16-23D-47 LC Tribal 9/11/2012 06:00 - 9/12/2012 06:00**

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	2	DRILL ACTUAL	DRILL ACTUAL F/7331' - T/7406' (TD) LOST RETURNS
07:30	1.00	08:30	5	COND MUD & CIRC	PUMPED 50% LCM SWEEP, CIRCULATED BTMS UP
08:30	1.50	10:00	6	TRIPS	SHORT TRIP 20 STANDS
10:00	2.50	12:30	6	TRIPS	TIH FILLING EVERY THIRD STAND W/FRESH WATER, STRING PACKED OFF
12:30	4.00	16:30	6	TRIPS	TOOH FOR LOGS
16:30	2.00	18:30	20	DIRECTIONAL WORK	L/D DIR. TOOLS, MUD MOTOR
18:30	1.50	20:00	6	TRIPS	TIH TO SHOE
20:00	1.00	21:00	5	COND MUD & CIRC	CONDITION MUD RAISE VIS TO 40 AND LCM TO 40%
21:00	4.00	01:00	6	TRIPS	STAGE IN HOLE @ 50 FT/MIN. MILKING EVERY 5 STANDS, ESTABLISHED FLOW @ 2485'/STAGE IN HOLE TO 5307' FILLING EVERY 10 STANDS NO RETURNS, TRIP TO 5784'
01:00	5.00	06:00	5	COND MUD & CIRC	CONDITION MUD/RAISE VIS TO 40 AND LCM TO 40% PUMP WITH NO RETURNS

16-23D-47 LC Tribal 9/12/2012 06:00 - 9/13/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	5	COND MUD & CIRC	BRING PITS UP TO 40% LCM AND 40 VIS/GOT RETURNS
12:00	1.00	13:00	3	REAMING	REAMING F/5700' - T/6400'
13:00	1.50	14:30	5	COND MUD & CIRC	BUILD MORE VOLUME
14:30	3.50	18:00	3	REAMING	REAMING F/6400' - T/7460' TD
18:00	1.50	19:30	5	COND MUD & CIRC	CONDITION MUD & CIRCULATE/SPOT HIGH VIS SWEEP
19:30	7.50	03:00	6	TRIPS	TOOH/LAY DOWN DRILL PIPE
03:00	0.50	03:30	8	REPAIR RIG	REPAIR IRON ROUGHNECK
03:30	2.50	06:00	6	TRIPS	TOOH L/D DRILL PIPE/TRIP IN 10 STANDS AND LAY DOWN REMAINING DRILL PIPE

16-23D-47 LC Tribal 9/13/2012 06:00 - 9/14/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	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	LD DP
07:30	0.50	08:00	21	OPEN	PULL WEAR BUSHING
08:00	13.50	21:30	12	RUN CASING & CEMENT	RU CSG CREW/HELD SAFETY MEETING/RUN 7,449.79' 176 JTS OF 5-1/2" 17.0# P-110 LT&C Rng3 PRODUCTION CASING/SHOE @ 7,445'/BREAK CIRC EVERY 15 JOINTS/MAINTAINED 40% LCM 38-42 VIS/RD CASING CREW
21:30	6.50	04:00	12	RUN CASING & CEMENT	RU HALLIBURTON & CIRCULATE/TEST LINES @ 5,000 PSI PUMP 10 BBL H2O SPACER/30BBL SUPER FLUSH/ 10 BBL H2O SPACER/ 730 SKS 300 BBL 1,684.44 CU/FT 11.0PPG 2.33 YEILD 10.66 GAL/SK/810SKS 205 BBL 1151.03CU/FT 13.5PPG 1.42 YEILD 6.65 GAL/SK DISPLACE 171.8 BBL DISPLACEMENT H2O W/CLAYWEB & ALDACIDE DISPLACEMENT FLUID, FINAL LIFT 1,600 PSI, BUMP PLUG @ 2,180 PSI HELD 3-MIN.FLOATS HELD/ LOST RETURNS 160 BBL INTO TAIL CMT/RD HALLIBURTON
04:00	2.00	06:00	14	NIPPLE UP B.O.P	ND BOPE/ PU 170K 30K OVER ST WT/SET SLIPS @ 170K CUT OFF CSG.

16-23D-47 LC Tribal 9/14/2012 06:00 - 9/14/2012 18:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RD/CLEAN PITS

16-23D-47 LC Tribal 9/17/2012 06:00 - 9/18/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Clean Out Cellar

16-23D-47 LC Tribal 9/19/2012 06:00 - 9/20/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	LOCL	Lock Wellhead & Secure	Well Secured With 11" Night Cap. BackFill Cellar
09:30	1.00	10:30	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.
10:30	5.50	16:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.
16:00	1.50	17:30	LOGG	Logging	RIH With Junk Basket And Gauge Ring.
17:30	0.50	18:00	GOP	General Operations	ShutDown And Secure Equipment.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

16-23D-47 LC Tribal 9/20/2012 06:00 - 9/21/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	WSI And Secured With NightCap. HES Logging Crew Arrive On Location, Hold Safety Meeting, Prep Logging Tool.
09:00	9.00	18:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 7,350', Drilling Report Shows FC At 7,399', 49' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 7,350', Run Repeat Section From 7,350 - 7,120', Log Up Hole. Showed Good Bond From TD To 3,100'. TOC 3,100'. Ran With Pressure. Found Short Joints At 6,797 - 6,719' And 4,894 - 4,916'. Pooh, RD Equipment, MOL.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

16-23D-47 LC Tribal 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
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	GOP	General Operations	UNABLE TO BACK FILL PIT. START MOVING IN FRAC LINE.

16-23D-47 LC Tribal 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
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	CHECK PRESSURES ON WELL. ND NIGHT CAP. NU FRAC MANDRELL. SET AND NIPPLE UP FRAC VALVES. PLUMB IN SAND TRAPS. PRES TEST CSG AND VALVES TO 8350 PSI. PRES TEST FB EQIP TO 2000 PSI. SET FBT. CONT SETTING FRAC LINE. FILLING FRAC LINE.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
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: Uintah
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013511800000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S 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: 10/12/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<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	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well had first oil sales on 10/12/2012. The gas is currently flaring until the pipeline construction is completed.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 19, 2012		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 10/16/2012	

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: 20G0005500
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S Range: 07.0W Meridian: U		9. API NUMBER: 43013511800000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
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"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<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"/> 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 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	

**16-23D-47 LC Tribal 10/1/2012 06:00 - 10/2/2012 06:00**

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:30	1.34	07:50	GOP	General Operations	Fracing Stage 1 On 14-23D-47 LC Tribal
07:50	0.33	08:10	GOP	General Operations	Rig Up To Well. Pressure Test To 8500#.
08:10	1.17	09:20	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16 Open Well, 145 Psi. ICP. BrokeDown At 9.3 Bpm And 2,762 Psi.. Pump 3900 Gals. 15% HCL And 102 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.4 Bpm And 2,732 Psi., Get ISIP, 1,169 Psi.. 0.61 Psi./Ft. F.G.. 40/51 Holes. Con't With SlickWater Pad, 48,359 Gals.. Stage Into Hybor Pad, 70.2 Bpm At 2,335 Psi.. On Perfs, 70.4 Bpm At 2,427 Psi., 12,126 Gals. Stage Into 2# 20/40 White Prop, 70.3 Bpm At 2,469 Psi.. On Perfs, 69.4 Bpm At 2,232 Psi., 7,954 Gals. Stage Into 3# 20/40 White Prop, 69.4 Bpm At 2,187 Psi.. On Perfs, 69.5 Bpm At 2,006 Psi., 23,866 Gals. Stage Into 3.5# 20/40 White Prop, 69.5 Bpm At 1,958 Psi.. On Perfs, 69.5 Bpm At 1,908 Psi., 8,914 Gals. Stage Into 4# 20/40 White Prop, 69.5 Bpm At 1,899 Psi.. On Perfs, 69.4 Bpm At 1,861 Psi., 9,342 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,284 Psi.. 0.62 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White - 149,800# Total Clean - 129,631 Gals.. 3,086 Bbls.. 2% KCL - 62,202 Gals.. 1,481 Bbls.. Produced Water - 65,505 Gals.. 1,560 Bbls.. BWTR - 3,248 Bbls. Max. Rate - 70.5 Bpm Avg. Rate - 69.9 Bpm Max. Psi. - 3,427 Psi. Avg. Psi. - 2,220 Psi.</p>
09:20	0.25	09:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
09:35	1.00	10:35	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES CBL/RMTE Combo Log Dated 09-20-2012. Found And Correlated To Short Joint At 6,797 - 6,819'. Drop Down To Depth, Set CBP At 6,927', 1,200 Psi.. Perforate Stage 2 CR-4/CR-3 Zone, 6,691 - 6,907'. 45 Holes. 1,200 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
10:35	1.50	12:05	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
12:05	1.08	13:10	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16 Open Well, 1085 Psi. ICP. BrokeDown At 10.0 Bpm And 4,302 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.7 Bpm And 4,302 Psi., Get ISIP, 1,106 Psi.. 0.60 Psi./Ft. F.G.. 27/45 Holes. Con't With SlickWater Pad, 51,600 Gals.. Stage Into Hybor Pad, 71.4 Bpm At 3,453 Psi.. On Perfs, 71.2 Bpm At 3,607 Psi., 13,008 Gals. Stage Into 2# 20/40 White Prop, 71.1 Bpm At 3,496 Psi.. On Perfs, 70.4 Bpm At 3,209 Psi., 7,750 Gals. Stage Into 3# 20/40 White Prop, 70.4 Bpm At 3,055 Psi.. On Perfs, 70.6 Bpm At 2,565 Psi., 27,760 Gals. Stage Into 3.5# 20/40 White Prop, 70.7 Bpm At 2,355 Psi.. On Perfs, 70.7 Bpm At 2,303 Psi., 8,769 Gals. Stage Into 4# 20/40 White Prop, 70.7 Bpm At 2,300 Psi.. On Perfs, 70.7 Bpm At 2,248 Psi., 7,300 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,268 Psi.. 0.63 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White - 153,100# Total Clean - 134,790 Gals.. 3,209 Bbls.. 2% KCL - 64,587 Gals.. 1,538 Bbls.. Produced Water - 68,277 Gals.. 1,626 Bbls.. BWTR - 3,372 Bbls. Max. Rate - 71.4 Bpm Avg. Rate - 70.7 Bpm Max. Psi. - 5,632 Psi. Avg. Psi. - 3,171 Psi.</p>
13:10	0.25	13:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
13:25	1.17	14:35	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES CBL/RMTE Combo Log Dated 09-20-2012. Found And Correlated To Short Joint At 4,894 - 4,916'. Drop Down To Depth, Set CBP At 6,682', 1,100 Psi.. Perforate Stage 2 CR-4/CR-3 Zone, 6,691 - 6,907'. 45 Holes. 1,050 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
14:35	15.42	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. ShutDown And Secure Equipment. Refill Water And Sand. SDFD.

16-23D-47 LC Tribal 10/2/2012 06:00 - 10/3/2012 06:00

API/UWI 43013511800000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,534.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:00	0.09	06:05	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:05	1.08	07:10	FRAC	Frac. Job	<p>Frac Stage 3. Fluid System: Hybor G 16 Open Well, 950 Psi. ICP. BrokeDown At 9.8 Bpm And 1,476 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.0 Bpm And 3,134 Psi., Get ISIP, 1,237 Psi.. 0.63 Psi./Ft. F.G.. 35/45 Holes. Con't With SlickWater Pad, 51,634 Gals.. Stage Into Hybor Pad, 70.0 Bpm At 2,776 Psi.. On Perfs, 69.9 Bpm At 2,898 Psi., 13,007 Gals. Stage Into 2# 20/40 White Prop, 69.8 Bpm At 2,894 Psi.. On Perfs, 69.1 Bpm At 2,650 Psi., 7,462 Gals. Stage Into 3# 20/40 White Prop, 69.1 Bpm At 2,600 Psi.. On Perfs, 69.0 Bpm At 2,411 Psi., 28,767 Gals. Stage Into 3.5# 20/40 White Prop, 69.1 Bpm At 2,227 Psi.. On Perfs, 69.1 Bpm At 2,154 Psi., 8,440 Gals. Stage Into 4# 20/40 White Prop, 69.1 Bpm At 2,155 Psi.. On Perfs, 69.1 Bpm At 2,154 Psi., 8,802 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,492 Psi.. 0.67 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White - 159,900# Total Clean - 136,321 Gals.. 3,246 Bbls.. 2% KCL - 66,478 Gals.. 1,583 Bbls.. Produced Water - 67,857 Gals.. 1,616 Bbls.. BWTR - 3,409 Bbls. Max. Rate - 70.2 Bpm Avg. Rate - 69.4 Bpm Max. Psi. - 3,542 Psi. Avg. Psi. - 2,607 Psi.</p>
07:10	0.50	07:40	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
07:40	1.00	08:40	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36' Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES CBL/RMTE Combo Log Dated 09-20-2012. Found And Correlated To Short Joint At 4,894 - 4,916'. Drop Down To Depth, Set CBP At 6,430', 1,150 Psi.. Perforate Stage 4 CR-2 Zone, 6,190 - 6,414'. 45 Holes. 1,100 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
08:40	0.42	09:05	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
09:05	1.08	10:10	FRAC	Frac. Job	<p>Frac Stage 4. Fluid System: Hybor G 16 Open Well, 1060 Psi. ICP. BrokeDown At 9.7 Bpm And 1,514 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 69.8 Bpm And 3,088 Psi., Get ISIP, 1,180 Psi.. 0.63 Psi./Ft. F.G.. 43/45 Holes. Con't With SlickWater Pad, 51,611 Gals.. Stage Into Hybor Pad, 70.1 Bpm At 2,565 Psi.. On Perfs, 70.1 Bpm At 2,638 Psi., 12,160 Gals. Stage Into 2# 20/40 White Prop, 70.0 Bpm At 2,670 Psi.. On Perfs, 69.0 Bpm At 2,471 Psi., 7,185 Gals. Stage Into 3# 20/40 White Prop, 69.1 Bpm At 2,411 Psi.. On Perfs, 69.2 Bpm At 2,132 Psi., 26,082 Gals. Stage Into 3.5# 20/40 White Prop, 69.3 Bpm At 1,957 Psi.. On Perfs, 69.3 Bpm At 1,909 Psi., 8,268 Gals. Stage Into 4# 20/40 White Prop, 69.3 Bpm At 1,909 Psi.. On Perfs, 69.2 Bpm At 1,876 Psi., 8,511 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,413 Psi.. 0.66 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White - 149,700# Total Clean - 131,528 Gals.. 3,132 Bbls.. 2% KCL - 62,206 Gals.. 1,481 Bbls.. Produced Water - 67,382 Gals.. 1,604 Bbls.. BWTR - 3,290 Bbls. Max. Rate - 71.5 Bpm Avg. Rate - 69.6 Bpm Max. Psi. - 4,073 Psi. Avg. Psi. - 2,423 Psi.</p>
10:10	0.25	10:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:25	1.00	11:25	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES CBL/RMTE Combo Log Dated 09-20-2012. Found And Correlated To Short Joint At 4,894 - 4,916'. Drop Down To Depth, Set CBP At 6,179', 1,100 Psi.. Perforate Stage 5 CR-1/Castle Peak Zone, 5,830 - 6,158'. 45 Holes. 1,050 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
11:25	18.58	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. ShutDown And Secure Equipment. Refill Water And Sand. SDFD.

16-23D-47 LC Tribal 10/3/2012 06:00 - 10/4/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:00	0.00	06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
06:00	1.59	07:35	GOP	General Operations	Fracing Stage 5 On 14-23D-47
07:35	1.17	08:45	FRAC	Frac. Job	Frac Stage 5. Fluid System: Hybor G 16 Open Well, 1020 Psi. ICP. BrokeDown At 9.7 Bpm And 1,572 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.1 Bpm And 3,001 Psi., Get ISIP, 770 Psi.. 0.57 Psi./Ft. F.G.. 27/45 Holes. Con't With SlickWater Pad, 51,594 Gals.. Stage Into .75# 100 Mesh, 70.1 Bpm At 2,410 Psi.. On Perfs, 70.2 Bpm At 2,339 Psi., 19,308 Gals. Stage Into 1# 20/40 White Prop, 69.8 Bpm At 2,296 Psi.. On Perfs, 69.6 Bpm At 2,122 Psi., 6,967 Gals. Stage Into 2# 20/40 White Prop, 69.6 Bpm At 2,090 Psi.. On Perfs, 69.4 Bpm At 1,948 Psi., 6,923 Gals. Stage Into 3# 20/40 White Prop, 69.5 Bpm At 1,930 Psi.. On Perfs, 69.4 Bpm At 1,809 Psi., 28,037 Gals. Stage Into 3.5# 20/40 White Prop, 69.4 Bpm At 1,716 Psi.. On Perfs, 69.4 Bpm At 1,671 Psi., 7,982 Gals. Stage Into 4# 20/40 White Prop, 69.4 Bpm At 1,668 Psi.. On Perfs, 69.4 Bpm At 1,672 Psi., 8,106 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 990 Psi.. 0.61 Psi./Ft. F.G.. WSI And Secured. Total 100 Mesh - 14,400# Total 20/40 White - 159,800# Total Clean - 146,116 Gals.. 3,479 Bbls.. 2% KCL - 77,323 Gals.. 1,841 Bbls.. Produced Water - 66,863 Gals.. 1,592 Bbls.. BWTR - 3,646 Bbls. Max. Rate - 70.2 Bpm Avg. Rate - 69.6 Bpm Max. Psi. - 2,412 Psi. Avg. Psi. - 1,950 Psi.
08:45	0.25	09:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
09:00	1.08	10:05	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES CBL/RMTE Combo Log Dated 09-20-2012. Found And Correlated To Short Joint At 4,894 - 4,916'. Drop Down To Depth, Set CBP At 5,802', 850 Psi.. Perforate Stage 6 Black Shale/Castle Peak Zone, 5,388 - 5,781'. 45 Holes. 800 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:05	2.25	12:20	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:20	1.08	13:25	FRAC	Frac. Job	<p>Frac Stage 6. Fluid System: Hybor G 16 Open Well, 700 Psi. ICP. BrokeDown At 9.7 Bpm And 1,636 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 70.2 Bpm And 2,888 Psi., Get ISIP, 770 Psi.. 0.58 Psi./Ft. F.G.. 27/45 Holes. Con't With SlickWater Pad, 48,343 Gals.. Stage Into .75# 100 Mesh, 70.1 Bpm At 2,497 Psi.. On Perfs, 70.1 Bpm At 2,488 Psi., 18,085 Gals. Stage Into 1# 20/40 White Prop, 69.4 Bpm At 2,465 Psi.. On Perfs, 69.3 Bpm At 2,387 Psi., 6,512 Gals. Stage Into 2# 20/40 White Prop, 69.3 Bpm At 2,370 Psi.. On Perfs, 69.0 Bpm At 2,255 Psi., 6,585 Gals. Stage Into 3# 20/40 White Prop, 69.0 Bpm At 2,235 Psi.. On Perfs, 69.1 Bpm At 2,133 Psi., 26,083 Gals. Stage Into 3.5# 20/40 White Prop, 69.1 Bpm At 2,020 Psi.. On Perfs, 69.0 Bpm At 1,977 Psi., 7,096 Gals. Stage Into 4# 20/40 White Prop, 69.0 Bpm At 1,980 Psi.. On Perfs, 69.2 Bpm At 1,931 Psi., 2,751 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,000 Psi.. 0.62 Psi./Ft. F.G.. WSI And Secured. Total 100 Mesh - 13,000# Total 20/40 White - 150,100# Total Clean - 131,883 Gals.. 3,140 Bbls.. 2% KCL - 67,112 Gals.. 1,598 Bbls.. Produced Water - 62,822 Gals.. 1,496 Bbls.. BWTR - 3,294 Bbls. Max. Rate - 70.1 Bpm Avg. Rate - 69.3 Bpm Max. Psi. - 2,511 Psi. Avg. Psi. - 2,226 Psi.</p>
13:25	0.42	13:50	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up CBP Plug Assembly. Equalize To Well Pressure.
13:50	1.00	14:50	PFRT	Perforating	<p>RIH With 3 1/8" Sinker Bars And CBP Assembly. Correlating To HES CBL/RMTE Combo Log Dated 09-20-2012. Found And Correlated To Short Joint At 4,894 - 4,916'. Drop Down To Depth, Set CBP At 5,350', 900 Psi.. Bleed Pressure Off Well. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
14:50	3.17	18:00	SRIG	Rig Up/Down	RigDown HES And SLB, MOL.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

16-23D-47 LC Tribal 10/6/2012 00:00 - 10/7/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
01:00	2.00	03:00	BOPI	Install BOP's	N/D FRAC TREE. N/U BOP. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD LOAD 245 JTS ON RACKS & TALLY.
03:00	3.50	06:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JT 2-7/8 TBG & XN- NIPPLE. RIH W/ BHA TO KILL PLUG @ 5350'. R/U SWIVEL. SDFN.
06:30	1.00	07:30	CTRL	Crew Travel	CREW TRAVEL.
07:30	16.50	00:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN & SECURE.

16-23D-47 LC Tribal 10/7/2012 06:00 - 10/8/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,534.0	Drilling & Completion

Time Log

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



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	6.50	13:30	DOPG	Drill Out Plugs	SIWP- 0. R/U POWER SWIVEL. D/O KILL PLUG @ 5350'. CFP- 250 PSI ON 28/64 CHOKE. SWIVEL IN HOLE. C/O SAND & D/O CBP @ 5802'. CFP- 250. SWIVEL IN HOLE. C/O SAND & D/O CBP @ 6179'. CFP- 450. SWIVEL IN HOLE. C/O SAND & D/O CBP @ 6430'. CFP- 400. SWIVEL IN HOLE. C/O SAND & D/O CBP @ 6682'. CFP- 475. SWIVEL IN HOLE. C/O SAND & D/O CBP @ 6927'. CFP- 500. SWIVEL IN HOLE, TAG SAND @ 7193' BOTTOM PERF. C/O SAND TO FLOAT COLLAR @ 7399'. D/O F/C & C/O CMT TO 7425'. CIRC WELL CLEAN FOR 1 HR. R/D SWIVEL
13:30	1.50	15:00	PULT	Pull Tubing	POOH TO 5352' L/D 2-7/8 TBG & LAND TBG. 168 JT'S TOTAL IN HOLE.
15:00	1.50	16:30	IWHD	Install Wellhead	R/D FLOOR. N/D BOP. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF @ 2500 PSI. R/U TBG TO SALES LINE. TURN WELL OVER TO FLOW BACK.
16:30	1.50	18:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT, CLEAN LOCATION. SDFN.
18:00	12.00	06:00	FBCK	Flowback Well	FLOW WELL TO PRODUCTION.

16-23D-47 LC Tribal 10/22/2012 00:00 - 10/23/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,534.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	3.00	03:00	RMOV	Rig Move	ROAD RIG F/ MONUMENT YARD TO LOCATION.
03:00	1.50	04:30	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.
04:30	2.00	06:30	WKLL	Kill Well	R/U D&M. SITP- 300. SICP- 600. KIL WELL W/ 150 BBL'S. N/D WELLHEAD. N/U BOP.
06:30	2.50	09:00	PULT	Pull Tubing	POOH W/ BOTTOM HALF POBS. 168 JTS TOTAL.
09:00	2.00	11:00	RUTB	Run Tubing	P/U 5-1/2 TAC & BHA. RIH TO 3000'. SDFN. OPEN CSG TO SALES. TAC. 1/4 TURN. 1 JT. S/N. 4' PUP. DESANDER. 5- JTS. BULL PLUG.
11:00	1.00	12:00	CTRL	Crew Travel	CREW TRAVEL.
12:00	12.00	00:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

16-23D-47 LC Tribal 10/23/2012 06:00 - 10/24/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,534.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	4.00	11:00	RUTB	Run Tubing	FINISH RIH W/ 5-1/2 TAC. N/D BOP. SET TAC @ 5315'. S/N @ 5347'. EOT @ 5529'. UNABLE TO GET RODS. 167 JTS. TAC. 5-1/2- 1/4 TURN. 15K TENSION 1 JT. S/N. 4' PUP. DESANDER. 5 JTS. BULL PLUG.
11:00	1.00	12:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. OPEN CSG TO SALES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	18.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

16-23D-47 LC Tribal 10/26/2012 06:00 - 10/27/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013511800000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,534.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
07:00	4.00	11:00	RURP	Run Rods & Pump	P/U ROD PUMP & PRIME. RIH W/ PUMP P/U RODS. SPACE OUT & SEAT PUMP. PUMP 25-150-RHBC-20-5-21'. SHEAR SUB. 36- 1" RODS. 112- 3/4" RODS. 63- 7/8" RODS. PONY. 2', 4', 6', 8'. 30' POLISH ROD.
11:00	1.50	12:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. PUT WELL ON PRODUCTION.
12:30	2.00	14:30	RMOV	Rig Move	MOVE RIG OFF LOCATION.
14:30	15.50	06:00	CTRL	Crew Travel	CREW TRAVEL.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500	
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: Uintah	
		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47		
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013511800000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S 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: 11/8/2012 <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 11/8/2012.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 15, 2012			
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst	
SIGNATURE N/A		DATE 11/12/2012	

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
4301334022	LC Tribal 14-23D-47		SWSE	23	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	18616	18616	7/11/2012			10/17/2012	
Comments: <u>GR and WSTC formations</u> <u>BHL:</u> 11/29/2012							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351180	LC Tribal 16-23D-47		SWSE	23	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	18617	18617	7/13/2012			10/12/2012	
Comments: <u>GR and WSTC formations</u> <u>BHL: sese</u> 11/29/2012							

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

11/29/2012

Title

Date

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
20G0005500

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LC TRIBAL 16-23D-47

9. API Well No.
43-013-51180

10. Field and Pool, or Exploratory
UNDESIGNATED

11. Sec., T., R., M., or Block and Survey
or Area Sec 23 T4S R7W Mer UBM

12. County or Parish
DUCHESNE

13. State
UT

17. Elevations (DF, KB, RT, GL)*
7284 GL

10/12/2012

16. Date Completed
 D & A Ready to Prod.

18. Total Depth: MD 7460 TVD 7335

19. Plug Back T.D.: MD 7399 TVD 7274

20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	44.0	0	80	80			0	
12.250	9.625 J-55	36.0	0	1534	1534	435	167	0	
8.750	5.500 P-110	17.0	0	7445	7445	1540	505	3006	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		5536						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	5403	6023	5403 TO 6023	0.360	90	OPEN
B) WASATCH	6039	7193	6039 TO 7193	0.360	188	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
5403 TO 6023	GREEN RIVER: SEE STAGES 5-6
6039 TO 7193	WASATCH: SEE STAGES 1-4

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/12/2012	10/12/2012	24	→	116.0	13.0	433.0	52.0		FLows FROM WELL
Choke Size	Tbg. Press. Pwng. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2 1/64	100	600.0	→	116	13	433	112	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
			→						NOV 27 2012
Choke Size	Tbg. Press. Pwng. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #161190 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tog. 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	Tog. 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
				BLACK SHALE CASTLE PEAK UTELAND BUTTE WASATCH TD	5262 5498 5811 6037 7335

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. Conductor was cemented with grout. Treatment Data attached.

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: | |

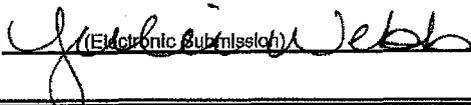
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #161190 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Verual

Name (please print) JULIE WEBB

Title PERMIT ANALYST

Signature

(Electronic Submission) 

Date 11/27/2012

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 ****

LC Tribal 16-23D-47 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 20/40 White Sand</u>	<u>lbs 20/40 CRC</u>	<u>Lbs 100 mesh sand</u>
1	3,066		149800	
2	3,374	153,100		
3	3,733	159,900		
4	3,293	149,700		
5	3,667		159,800	
6	3,315		148,330	13,910

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

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DIV. OF OIL, GAS & MINING



Bill Barrett Corporation

Bill Barrett Corp. (II)

Duchesne Co., UT (NAD27)

Sec.23-T4S-R7W

LC Tribal 16-23D-47

Wellbore #1

Survey: OH

Standard Survey Report

12 September, 2012

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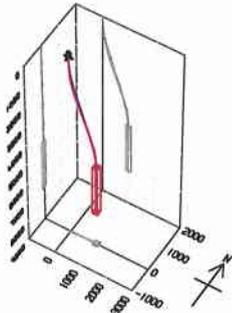
NOV 27 2012

DIV. OF OIL, GAS & MINING





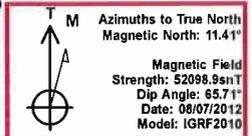
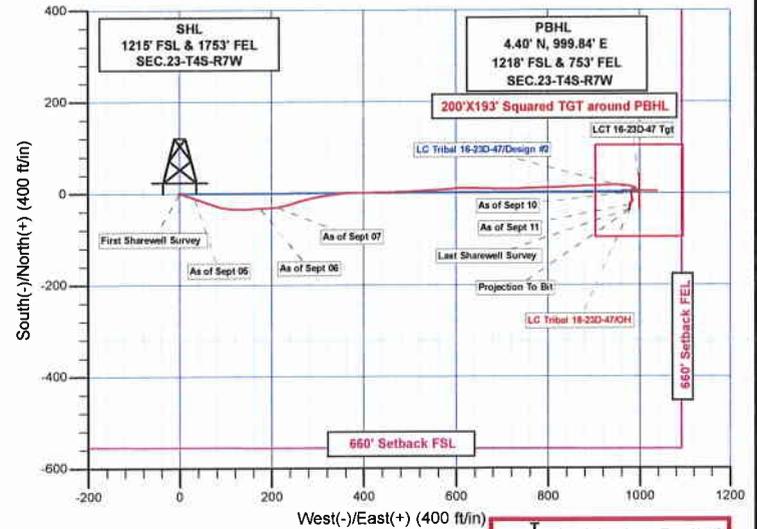
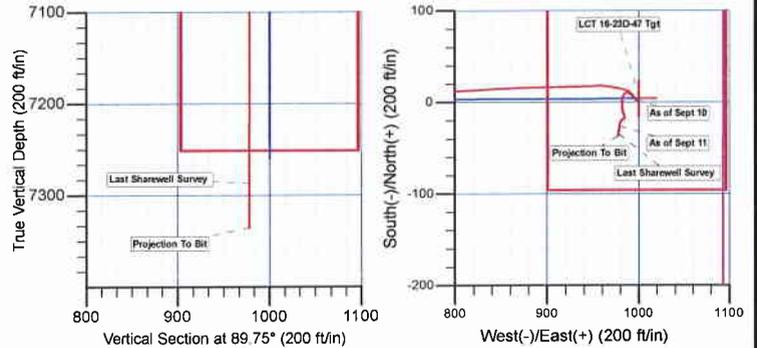
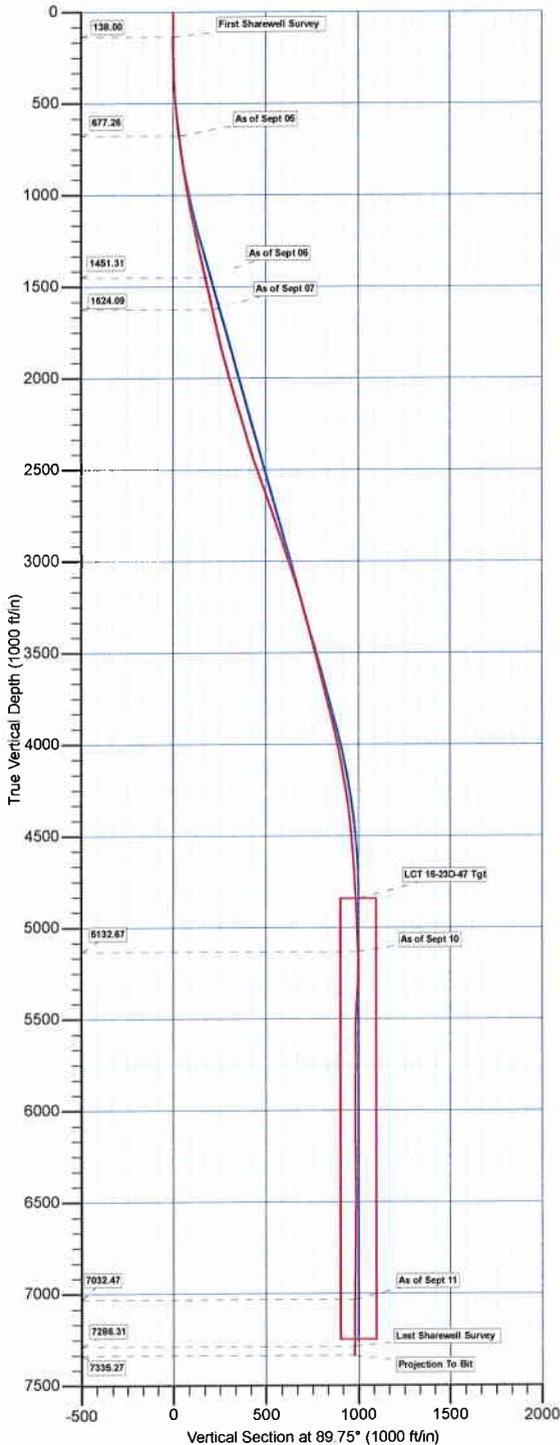
Bill Barrett Corp. (II)
 Project: Duchesne Co., UT (NAD27)
 Site: Sec.23-T4S-R7W
 Well: LC Tribal 16-23D-47
 Wellbore: Wellbore #1
 Design: OH
 Latitude: 40° 6' 52.54 N
 Longitude: 110° 38' 20.61 W
 Ground Level: 7284.01
 WELL @ 7306.01ft



PROJECT DETAILS: Duchesne Co., UT (NAD27)			REFERENCE INFORMATION		
Geodetic System: US State Plane 1927 (Exact solution)			Co-ordinate (N/E) Reference: Well LC Tribal 16-23D-47, True North		
Datum: NAD 1927 (NADCON CONUS)			Vertical (TVD) Reference: WELL @ 7306.01ft		
Ellipsoid: Clarke 1866			Section (VS) Reference: Stot - (0.00N, 0.00E)		
Zone: Utah Central 4302			Measured Depth Reference: WELL @ 7306.01ft		
System Datum: Mean Sea Level			Calculation Method: Minimum Curvature		

WELL DETAILS: LC Tribal 16-23D-47					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	649944.86	2240781.54	40° 6' 52.54 N	110° 38' 20.61 W

ANNOTATIONS										
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation		
138.00	138.00	0.500	336.30	0.55	-0.24	-0.24	0.60	First Sharewell Survey		
677.26	679.00	7.400	109.40	-10.96	33.12	33.07	36.62	As of Sept 05		
1451.31	1467.00	13.100	86.50	-31.92	175.29	175.15	182.30	As of Sept 06		
1624.09	1644.00	12.300	80.50	-29.61	213.57	213.43	220.73	As of Sept 07		
5132.67	5256.00	3.300	143.50	3.78	996.36	996.37	1012.52	As of Sept 10		
7032.47	7167.00	1.800	187.00	-25.41	978.94	978.82	1073.12	As of Sept 11		
7286.31	7411.00	2.200	187.20	-34.58	977.91	977.75	1082.34	Last Sharewell Survey		
7336.27	7460.00	2.200	187.20	-36.44	977.68	977.51	1084.22	Projection To Bit		



Design: OH (LC Tribal 16-23D-47/Wellbore #1)
 Created By: Rolando Garza Date: 7:55, September 12 2012

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.23-T4S-R7W
Well: LC Tribal 16-23D-47
Wellbore: Wellbore #1
Design: OH

Local Co-ordinate Reference: Well LC Tribal 16-23D-47
TVD Reference: WELL @ 7306.01ft
MD Reference: WELL @ 7306.01ft
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.23-T4S-R7W				
Site Position:		Northing:	652,830.61 usft	Latitude:	40° 7' 20.90 N
From:	Lat/Long	Easting:	2,242,437.86 usft	Longitude:	110° 37' 58.93 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.56 °

Well	LC Tribal 16-23D-47					
Well Position	+N/-S	0.00 ft	Northing:	649,944.86 usft	Latitude:	40° 6' 52.54 N
	+E/-W	0.00 ft	Easting:	2,240,781.54 usft	Longitude:	110° 38' 20.61 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	7,284.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	08/07/12	(°)	(°)	(nT)
			11.41	65.71	52,099

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	89.75	

Survey Program	Date	09/12/12			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
138.00	7,460.00	OH (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	
138.00	0.500	336.30	138.00	0.55	-0.24	-0.24	0.36	0.36	0.00	
First Sharewell Survey										
216.00	0.100	36.70	216.00	0.92	-0.34	-0.33	0.59	-0.51	77.44	
309.00	2.000	104.00	308.98	0.59	1.29	1.29	2.11	2.04	72.37	
402.00	3.800	115.70	401.86	-1.14	5.64	5.63	2.03	1.94	12.58	
495.00	5.700	109.00	494.53	-3.98	12.78	12.76	2.12	2.04	-7.20	
590.00	6.900	108.70	588.96	-7.35	22.65	22.62	1.26	1.26	-0.32	
679.00	7.400	109.40	677.26	-10.96	33.12	33.07	0.57	0.56	0.79	
As of Sept 05										

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.23-T4S-R7W
Well: LC Tribal 16-23D-47
Wellbore: Wellbore #1
Design: OH

Local Co-ordinate Reference: Well LC Tribal 16-23D-47
TVD Reference: WELL @ 7306.01ft
MD Reference: WELL @ 7306.01ft
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)	
771.00	7.800	110.00	768.46	-15.07	44.57	44.51	0.44	0.43	0.65	
863.00	8.900	109.50	859.48	-19.58	57.15	57.06	1.20	1.20	-0.54	
958.00	10.300	109.00	953.15	-24.80	72.11	72.00	1.48	1.47	-0.53	
1,053.00	11.000	103.70	1,046.51	-29.71	88.94	88.81	1.27	0.74	-5.58	
1,148.00	11.500	94.70	1,139.69	-32.63	107.19	107.04	1.92	0.53	-9.47	
1,244.00	12.100	92.10	1,233.67	-33.78	126.78	126.63	0.83	0.63	-2.71	
1,340.00	12.400	87.30	1,327.48	-33.67	147.13	146.98	1.11	0.31	-5.00	
1,435.00	13.100	85.80	1,420.14	-32.40	168.06	167.91	0.82	0.74	-1.58	
1,467.00	13.100	86.60	1,451.31	-31.92	175.29	175.15	0.57	0.00	2.50	
As of Sept 06										
1,550.00	12.400	89.70	1,532.26	-31.31	193.60	193.46	1.18	-0.84	3.73	
1,644.00	12.300	80.50	1,624.09	-29.61	213.57	213.43	2.09	-0.11	-9.79	
As of Sept 07										
1,739.00	13.000	73.10	1,716.79	-24.83	233.77	233.66	1.86	0.74	-7.79	
1,835.00	13.500	73.40	1,810.24	-18.49	254.84	254.76	0.53	0.52	0.31	
1,930.00	14.600	75.70	1,902.40	-12.36	277.07	277.01	1.30	1.16	2.42	
2,025.00	16.500	79.20	1,993.92	-6.88	301.93	301.89	2.23	2.00	3.68	
2,120.00	16.900	82.20	2,084.91	-2.48	328.86	328.85	1.00	0.42	3.16	
2,215.00	15.400	85.20	2,176.16	0.45	355.11	355.11	1.81	-1.58	3.16	
2,310.00	16.500	88.10	2,267.50	1.96	381.17	381.17	1.43	1.16	3.05	
2,405.00	17.300	90.70	2,358.40	2.23	408.78	408.78	1.16	0.84	2.74	
2,500.00	18.500	88.80	2,448.80	2.37	437.97	437.98	1.40	1.26	-2.00	
2,595.00	18.600	88.60	2,538.87	3.06	468.18	468.19	0.12	0.11	-0.21	
2,690.00	19.300	87.10	2,628.72	4.22	499.01	499.02	0.90	0.74	-1.58	
2,785.00	19.100	86.00	2,718.43	6.10	530.19	530.22	0.44	-0.21	-1.16	
2,878.00	17.800	85.20	2,806.65	8.35	559.54	559.57	1.42	-1.40	-0.86	
2,973.00	17.100	86.80	2,897.28	10.35	587.95	587.99	0.89	-0.74	1.68	
3,068.00	18.500	88.70	2,987.73	11.47	616.97	617.01	1.60	1.47	2.00	
3,162.00	18.300	91.80	3,076.93	11.35	646.63	646.67	1.06	-0.21	3.30	
3,258.00	16.500	91.50	3,168.53	10.52	675.32	675.36	1.88	-1.88	-0.31	
3,354.00	15.700	90.50	3,260.76	10.04	701.94	701.98	0.88	-0.83	-1.04	
3,449.00	15.400	88.10	3,352.29	10.35	727.40	727.44	0.75	-0.32	-2.53	
3,544.00	14.500	87.30	3,444.07	11.33	751.89	751.93	0.97	-0.95	-0.84	
3,640.00	14.100	88.90	3,537.10	12.12	775.59	775.63	0.59	-0.42	1.67	
3,735.00	13.600	89.10	3,629.33	12.52	798.32	798.37	0.53	-0.53	0.21	
3,830.00	13.800	85.80	3,721.63	13.52	820.79	820.84	0.85	0.21	-3.47	
3,925.00	13.500	87.30	3,813.95	14.88	843.17	843.23	0.49	-0.32	1.58	
4,020.00	13.600	87.60	3,906.31	15.87	865.40	865.47	0.13	0.11	0.32	
4,115.00	12.700	88.60	3,998.81	16.59	887.00	887.07	0.98	-0.95	1.05	
4,210.00	10.000	89.60	4,091.95	16.90	905.69	905.76	2.85	-2.84	1.05	
4,305.00	9.500	88.10	4,185.58	17.22	921.78	921.84	0.59	-0.53	-1.58	
4,400.00	8.600	88.20	4,279.39	17.70	936.71	936.78	0.95	-0.95	0.11	
4,495.00	6.700	88.30	4,373.54	18.09	949.35	949.42	2.00	-2.00	0.11	
4,591.00	4.800	90.40	4,469.05	18.23	958.97	959.04	1.99	-1.98	2.19	

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.23-T4S-R7W
Well: LC Tribal 16-23D-47
Wellbore: Wellbore #1
Design: OH

Local Co-ordinate Reference: Well LC Tribal 16-23D-47
TVD Reference: WELL @ 7306.01ft
MD Reference: WELL @ 7306.01ft
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)
4,686.00	4.600	97.70	4,563.74	17.69	966.72	966.79	0.66	-0.21	7.68
4,781.00	4.000	102.70	4,658.47	16.45	973.73	973.79	0.74	-0.63	5.26
4,876.00	3.600	100.40	4,753.26	15.18	979.89	979.95	0.45	-0.42	-2.42
4,964.89	3.225	103.93	4,841.99	14.08	985.06	985.12	0.48	-0.42	3.97
LCT 16-23D-47 Tgt									
4,971.00	3.200	104.20	4,848.09	13.99	985.40	985.45	0.48	-0.41	4.46
5,066.00	2.800	128.50	4,942.97	11.90	989.78	989.83	1.39	-0.42	25.58
5,161.00	3.300	145.00	5,037.83	8.21	993.17	993.19	1.06	0.53	17.37
5,256.00	3.300	143.50	5,132.68	3.78	996.36	996.37	0.09	0.00	-1.58
As of Sept 10									
5,351.00	0.600	339.60	5,227.63	2.04	997.81	997.81	4.08	-2.84	-172.53
5,446.00	6.200	315.20	5,322.43	6.15	994.02	994.04	5.96	5.89	-25.68
5,541.00	3.000	293.50	5,417.11	10.79	988.13	988.17	3.78	-3.37	-22.84
5,636.00	2.100	220.20	5,512.04	10.45	984.72	984.76	3.29	-0.95	-77.16
5,731.00	1.800	202.00	5,606.99	7.74	983.04	983.07	0.72	-0.32	-19.16
5,826.00	2.400	186.20	5,701.92	4.38	982.27	982.28	0.87	0.63	-16.63
5,921.00	2.300	181.40	5,796.84	0.49	982.01	982.00	0.23	-0.11	-5.05
6,016.00	2.000	175.50	5,891.78	-3.07	982.09	982.07	0.39	-0.32	-6.21
6,111.00	1.800	182.40	5,986.72	-6.21	982.16	982.12	0.32	-0.21	7.26
6,206.00	1.600	173.60	6,081.68	-9.02	982.24	982.19	0.35	-0.21	-9.26
6,301.00	1.000	144.30	6,176.66	-11.01	982.87	982.82	0.92	-0.63	-30.84
6,397.00	1.300	170.80	6,272.64	-12.76	983.54	983.47	0.63	0.31	27.60
6,492.00	0.400	139.70	6,367.63	-14.08	983.92	983.85	1.03	-0.95	-32.74
6,587.00	1.100	161.10	6,462.62	-15.20	984.43	984.36	0.78	0.74	22.53
6,682.00	1.000	190.50	6,557.61	-16.88	984.58	984.49	0.57	-0.11	30.95
6,777.00	1.100	261.70	6,652.59	-17.82	983.52	983.44	1.29	0.11	74.95
6,872.00	1.400	225.80	6,747.57	-18.76	981.79	981.70	0.86	0.32	-37.79
6,967.00	1.600	212.20	6,842.54	-20.69	980.25	980.15	0.43	0.21	-14.32
7,062.00	1.300	191.30	6,937.51	-22.87	979.33	979.22	0.63	-0.32	-22.00
7,157.00	1.800	187.00	7,032.47	-25.41	978.94	978.82	0.54	0.53	-4.53
As of Sept 11									
7,252.00	2.000	188.20	7,127.42	-28.53	978.52	978.39	0.21	0.21	1.26
7,347.00	2.300	183.90	7,222.36	-32.08	978.16	978.00	0.36	0.32	-4.53
7,441.00	2.200	187.20	7,286.31	-34.58	977.91	977.75	0.26	-0.16	5.16
Last Sharewell Survey									
7,460.00	2.200	187.20	7,335.27	-36.44	977.68	977.51	0.00	0.00	0.00
Projection To Bit									



Sharewell
Survey Report



Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.23-T4S-R7W
Well: LC Tribal 16-23D-47
Wellbore: Wellbore #1
Design: OH

Local Co-ordinate Reference: Well LC Tribal 16-23D-47
TVD Reference: WELL @ 7306.01ft
MD Reference: WELL @ 7306.01ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
138.00	138.00	0.55	-0.24	First Sharewell Survey
679.00	677.26	-10.96	33.12	As of Sept 05
1,467.00	1,451.31	-31.92	175.29	As of Sept 06
1,644.00	1,624.09	-29.61	213.57	As of Sept 07
5,256.00	5,132.68	3.78	996.36	As of Sept 10
7,157.00	7,032.47	-25.41	978.94	As of Sept 11
7,411.00	7,286.31	-34.58	977.91	Last Sharewell Survey
7,460.00	7,335.27	-36.44	977.68	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: 14-20-H62-6483	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013511800000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S Range: 07.0W Meridian: U	
COUNTY: DUCHESNE	
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/20/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="lease"/>

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

The tribal lease has been earned for this well. The new lease number is 14-20-H62-6483.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 April 16, 2015**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/1/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6483	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-23D-47		
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013511800000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1215 FSL 1753 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 04.0S 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: 10/7/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: CA NUMBER AND SSD UPDAT
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ATTACHED PLEASE FIND THE UPDATED SSD WITH THE CA NUMBER THAT WAS APPROVED ON 10/7/2015 BUT EFFECTIVE FROM 1ST PRODUCTION OF THIS WELL			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 26, 2015			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 10/19/2015	

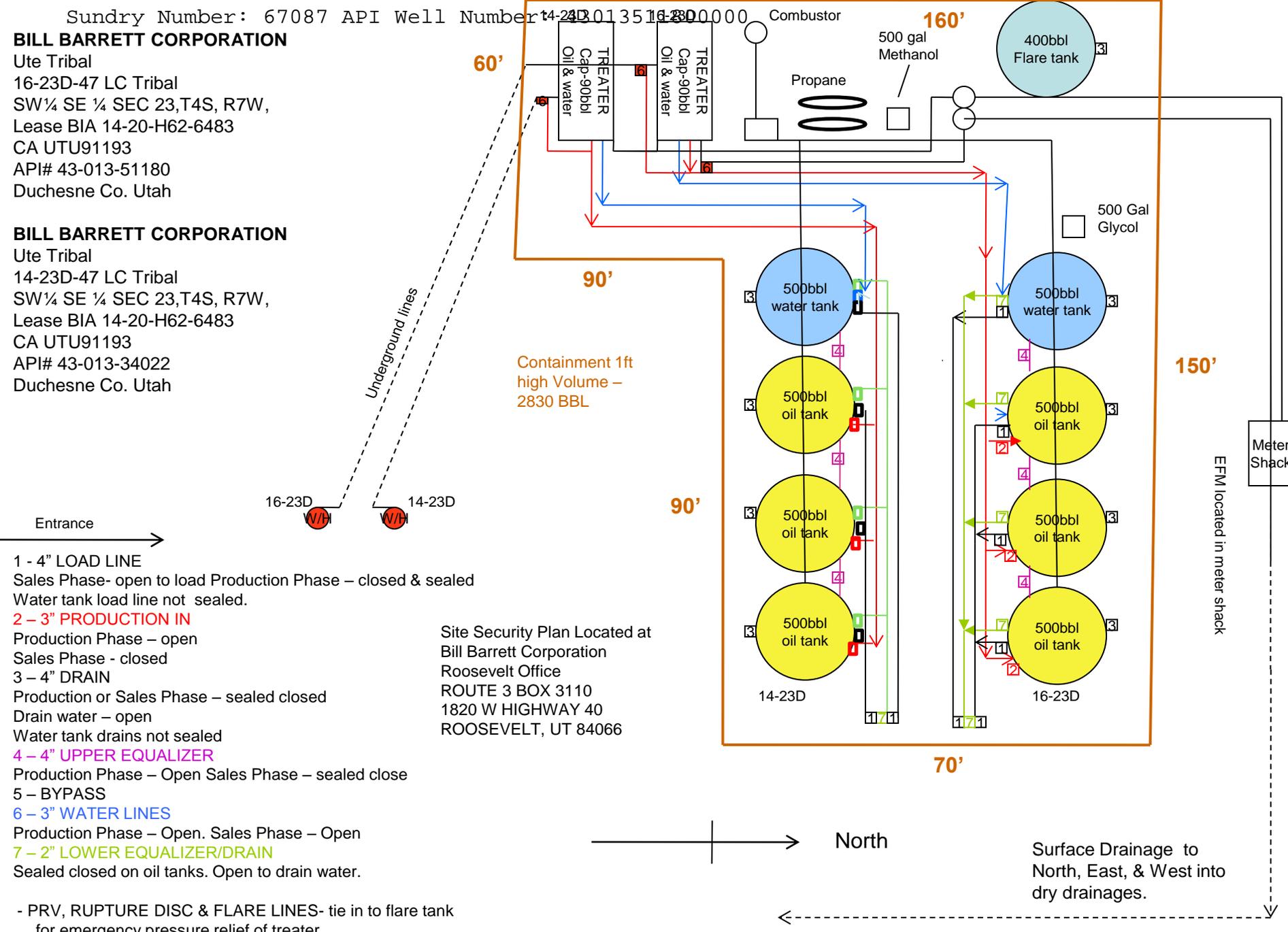
Sundry Number: 67087 API Well Number 14-23D-013516-23D-0000

BILL BARRETT CORPORATION

Ute Tribal
 16-23D-47 LC Tribal
 SW¼ SE ¼ SEC 23,T4S, R7W,
 Lease BIA 14-20-H62-6483
 CA UTU91193
 API# 43-013-51180
 Duchesne Co. Utah

BILL BARRETT CORPORATION

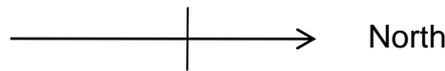
Ute Tribal
 14-23D-47 LC Tribal
 SW¼ SE ¼ SEC 23,T4S, R7W,
 Lease BIA 14-20-H62-6483
 CA UTU91193
 API# 43-013-34022
 Duchesne Co. Utah



Containment 1ft
 high Volume –
 2830 BBL

Site Security Plan Located at
 Bill Barrett Corporation
 Roosevelt Office
 ROUTE 3 BOX 3110
 1820 W HIGHWAY 40
 ROOSEVELT, UT 84066

- 1 - 4" LOAD LINE
 Sales Phase- open to load Production Phase – closed & sealed
 Water tank load line not sealed.
 - 2 – 3" PRODUCTION IN
 Production Phase – open
 Sales Phase - closed
 - 3 – 4" DRAIN
 Production or Sales Phase – sealed closed
 Drain water – open
 Water tank drains not sealed
 - 4 – 4" UPPER EQUALIZER
 Production Phase – Open Sales Phase – sealed close
 - 5 – BYPASS
 - 6 – 3" WATER LINES
 Production Phase – Open. Sales Phase – Open
 - 7 – 2" LOWER EQUALIZER/DRAIN
 Sealed closed on oil tanks. Open to drain water.
- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank
 for emergency pressure relief of treater



Surface Drainage to
 North, East, & West into
 dry drainages.

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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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

DIV. OIL GAS & MINING
BY: Rachael Medina

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

Request to Transfer Application or Permit to Drill

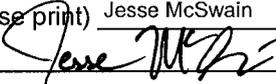
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

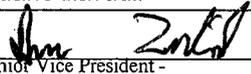
TRANSFER OF AUTHORITY TO INJECT

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

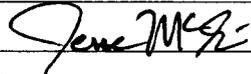
CURRENT OPERATOR

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

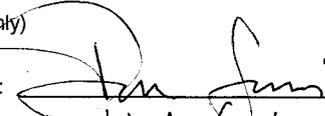
Name: Duane Zavadil
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

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

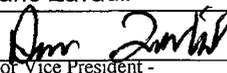
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

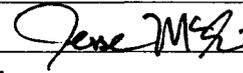
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

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

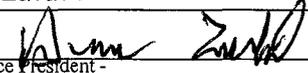
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

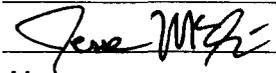
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

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