

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 13H-24-46							
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 ALTAMONT							
4. TYPE OF WELL Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						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 type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		567 FSL 697 FWL		SWSW		19		4.0 S		5.0 W		U	
Top of Uppermost Producing Zone		715 FSL 694 FEL		SESE		24		4.0 S		6.0 W		U	
At Total Depth		1100 FSL 800 FWL		SWSW		24		4.0 S		6.0 W		U	
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 800			23. NUMBER OF ACRES IN DRILLING UNIT 640							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1532			26. PROPOSED DEPTH MD: 10691 TVD: 5889							
27. ELEVATION - GROUND LEVEL 6749			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	No Used		0	0.0	0.0		
SURF	12.25	9.625	0 - 1800	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		240	3.16	11.0		
							Halliburton Premium , Type Unknown		210	1.17	15.8		
I1	8.75	7	0 - 6908	23.0	P-110 LT&C	9.2	Unknown		230	3.14	11.0		
							Unknown		230	1.42	13.5		
L1	6.125	4.5	0 - 10691	11.6	P-110 LT&C	9.5	No Used		0	0.0	0.0		
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 03/05/2012				EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43013512890000				APPROVAL				 Permit Manager					

DRILLING PLAN

BILL BARRETT CORPORATION

LC Tribal 13H-24-46

SHL: Lot 4 (SW SW), 567' FSL and 697' FWL, Section 19, T4S-R5W

BHL: SW SW, 1100' FSL and 800' FWL, Section 24, T4S-R6W

Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a horizontal through the prospective zone within the Uteland Butte.

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

HORIZONTAL LEG FORMATION TOPS

Formation	Depth – MD	Depth - TVD
Green River	2,034'	2,034'
Surface casing	1,800'	1,800'
Mahogany	2,579'	2,579'
TGR3	3,849'	3,849'
Douglas Creek	4,679'	4,679'
3 PT Marker	5,070'	5,067'
Black Shale Facies	5,510'	5,469'
Castle Peak	5,795'	5,690'
*Uteland Butte (Penetration Point)	6,322'	5,980'
CR1A Base	6,519'	6,042'
TD	10,691'	5,889'

***PROSPECTIVE PAY**

The Uteland Butte CR1 is the primary objective for oil/gas.

Base of Useable Water = 1,259'

4. Casing Program

Hole Size	SETTING DEPTH		Casing Size	Casing Weight	Casing Grade	Thread	Condition
	(FROM)	(TO)					
12-1/4"	surface	1,800'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 3/4"	surface	6,908'	7"	23.0 ppf	P-110	LT&C	New
6 1/8"	surface	10,691'	4 1/2" Liner with 4-1/2" Tieback for frac	11.6 ppf	P-110	LT&C	New

Drilling Plan
LC Tribal 13H-24-46
Duchesne Co., UT

5. Cementing Program

9 5/8" Surface Casing	<i>Lead</i> with approximately 240 sx Halliburton Light Premium cement with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx). TOC @ Surface <i>Tail</i> with 210 sx Premium 14.8 ppg (yield = 1.36 ft ³ /sx) calculated hole volume with 75% excess. TOC @ 1,300' <i>Top out cement</i> , if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft ³ /sk)
7" Intermediate Casing	<i>Lead</i> with approximately 230 sx Tunc Light cement with additives, mixed at 11.0 ppg (yield = 3.14 ft ³ /sx). TOC @ 1,300' <i>Tail</i> with approximately 230 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). TOC @ 3,748'
4 1/2" Liner with 4-1/2" Tieback to surface	<i>No cement will be used in this section. Swell packers will be run to isolate the production hole from the intermediate casing section.</i>
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to 200' inside of surface casing.	

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 1,800'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,800' – 6,908'	8.9 – 9.2	26 - 36	NC	Fresh Water with sweeps
6,908' – TD	9.0 – 9.5	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,800'	No pressure control required
1,800' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 5000 psi;	
- Ancillary equipment and choke manifold rated at 5,000#. 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.	

Drilling Plan
 LC Tribal 13H-24-46
 Duchesne Co., UT

8. Auxiliary Equipment

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

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD with GR as needed to land wellbore;
WL Logging	None in intermediate
Note: FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 2909 psi* and maximum anticipated surface pressure equals approximately 1613 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

11. Location and Type of Water Supply

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

12. Drilling Schedule

Location Construction: May 2012
 Spud: May 2012
 Duration: 25 days drilling time
 25 days completion time

Well name:	BTR/LC HZ Well
Operator:	BBC
String type:	Surface
Location:	Utah

Design parameters:

Collapse

Mud weight: 8.900 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 96 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft
 Minimum Drift: 8.750 in
 Cement top: Surface

Burst

Max anticipated surface pressure: 527 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 857 psi
 Annular backup: 9.50 ppg

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on buoyed weight.
 Neutral point: 1,302 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 4,697 ft
 Next mud weight: 9.500 ppg
 Next setting BHP: 2,318 psi
 Fracture mud wt: 11.000 ppg
 Fracture depth: 1,500 ft
 Injection pressure 857 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1500	9.625	36.00	K-55	ST&C	1500	1500	8.765	106.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	693	2020	2.913	527	3520	6.68	47	423	9.02 J

Bill Barrett

Date: June 23,2011
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	BTR/LC HZ Well
Operator:	BBC
String type:	Intermediate
Location:	Utah

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,683 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 3,036 psi

Annular backup: 9.50 ppg

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 5,274 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 161 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft
Minimum Drift: 6.125 in
Cement top: 11 ft

Directional Info - Build & Hold

Kick-off point: 5580 ft
Departure at shoe: 604 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 93.1 °

Re subsequent strings:

Next setting depth: 5,980 ft
Next mud weight: 9.500 ppg
Next setting BHP: 2,951 psi
Fracture mud wt: 14.000 ppg
Fracture depth: 6,152 ft
Injection pressure: 4,474 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6511	7	23.00	N-80	LT&C	6152	6511	6.25	300.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3036	3575	1.177	1683	6340	3.77	121	442	3.64 J

Bill Barrett

Date: June 23,2011
Denver, Colorado**Remarks:**

Collapse is based on a vertical depth of 6152 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	BTR/LC HZ Well
Operator:	N/A
String type:	Production Liner

Design parameters:

Collapse

Mud weight: 9.500 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 155 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft
 Minimum Drift: 3.875 in

Burst

Max anticipated surface pressure: 1,572 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 2,837 psi

Annular backup: 9.50 ppg

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Tension is based on buoyed weight.
 Neutral point: 5,703 ft

Liner top: 5,000 ft
 Directional Info - Build & Hold
 Kick-off point 5123 ft
 Departure at shoe: 4885 ft
 Maximum dogleg: 8 °/100ft
 Inclination at shoe: 91.26 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5418	4.5	11.60	P-110	LT&C	5748	10418	3.875	26104
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2837	7580	2.672	205	10690	52.25	7.4	279	37.48 J

Bill Barrett

Date: June 23,2011
 Denver, Colorado

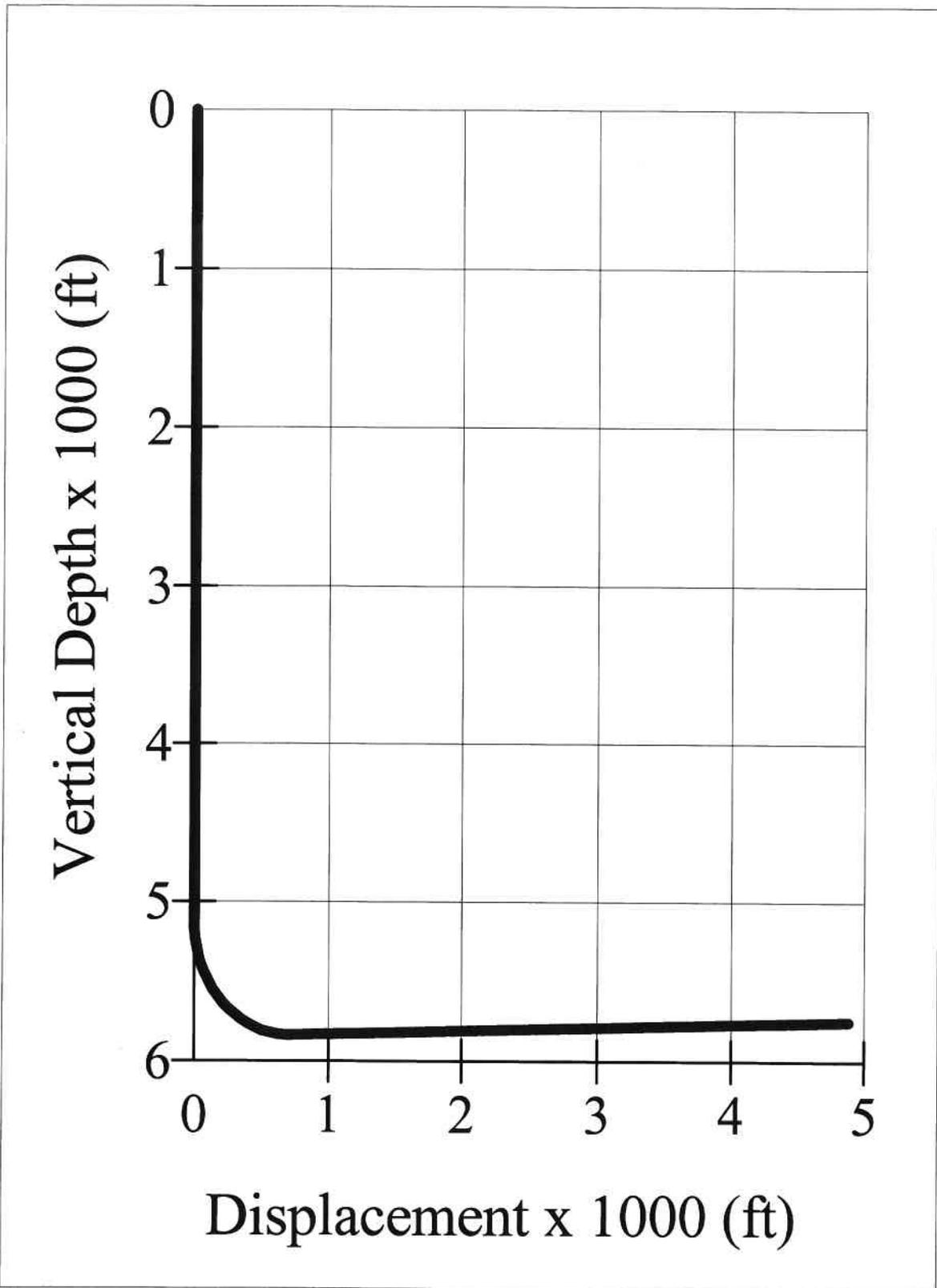
Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 5748 ft, a mud weight of 9.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.



T4S, R5W, U.S.B.&M.

BILL BARRETT CORPORATION

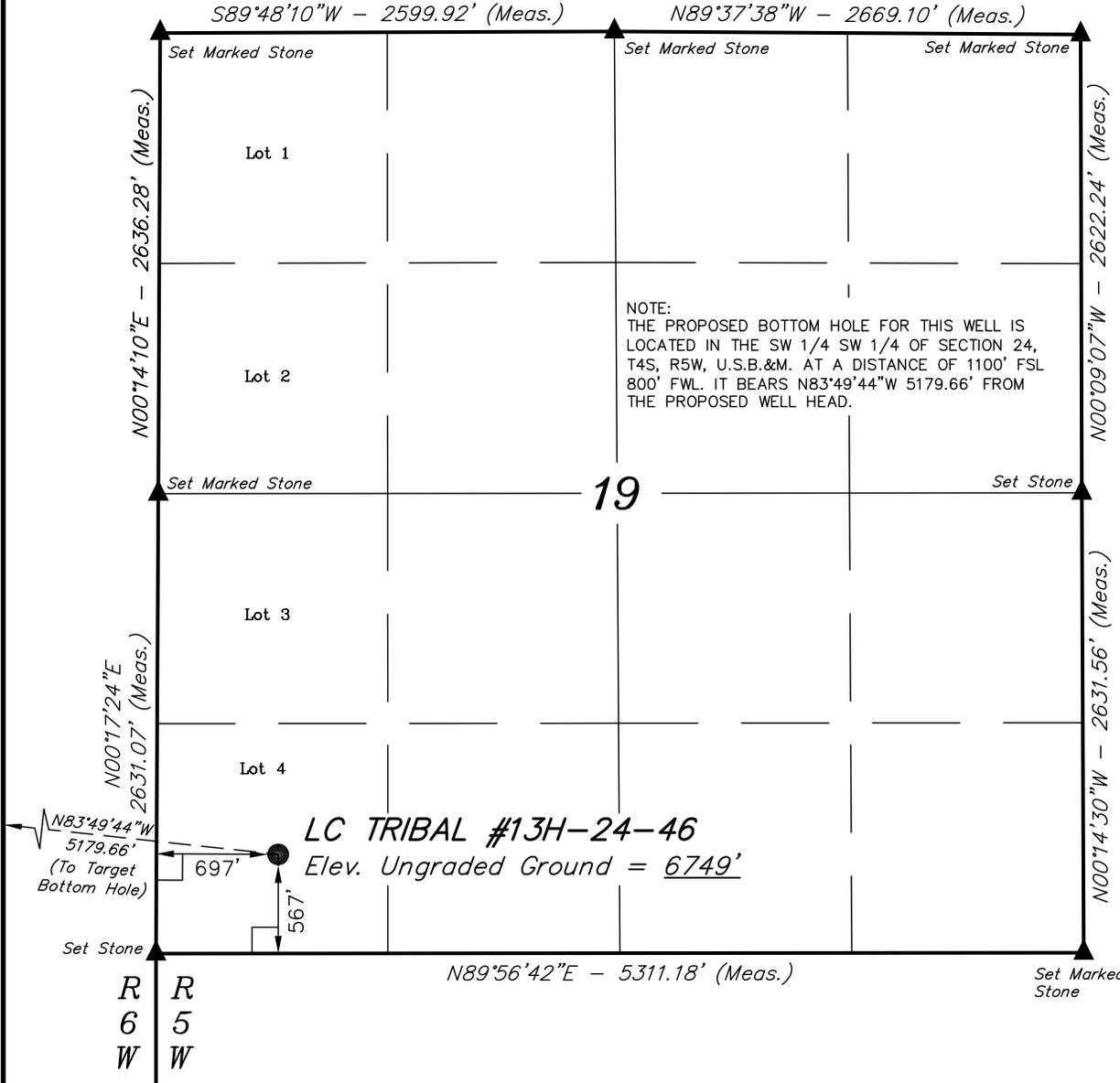
Well location, LC TRIBAL #13H-24-46 (SURFACE LOCATION), located as shown in Lot 4 of Section 19, T4S, R5W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

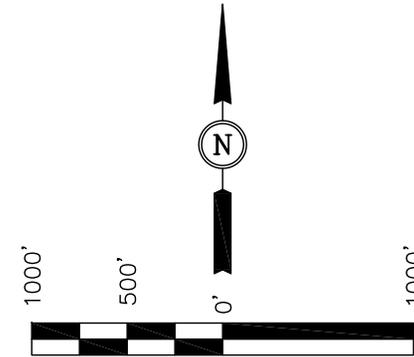
BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

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



NOTE:
THE PROPOSED BOTTOM HOLE FOR THIS WELL IS LOCATED IN THE SW 1/4 SW 1/4 OF SECTION 24, T4S, R5W, U.S.B.&M. AT A DISTANCE OF 1100' FSL 800' FWL. IT BEARS N83°49'44\"W 5179.66' FROM THE PROPOSED WELL HEAD.



SCALE

CERTIFICATE

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

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
01-20-12

REV: 01-20-12 A.W.
REV: 10-19-11 K.O.

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

LEGEND:

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

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°06'45.99" (40.112775)
LONGITUDE	= 110°29'59.22" (110.499783)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°06'46.14" (40.112817)
LONGITUDE	= 110°29'56.66" (110.499072)

SCALE 1" = 1000'	DATE SURVEYED: 06-01-11	DATE DRAWN: 07-11-11
PARTY C.R. A.W. S.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BILL BARRETT CORPORATION	

RECEIVED: March 05, 2012

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

BILL BARRETT CORPORATION

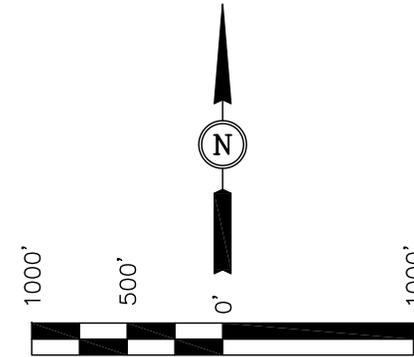
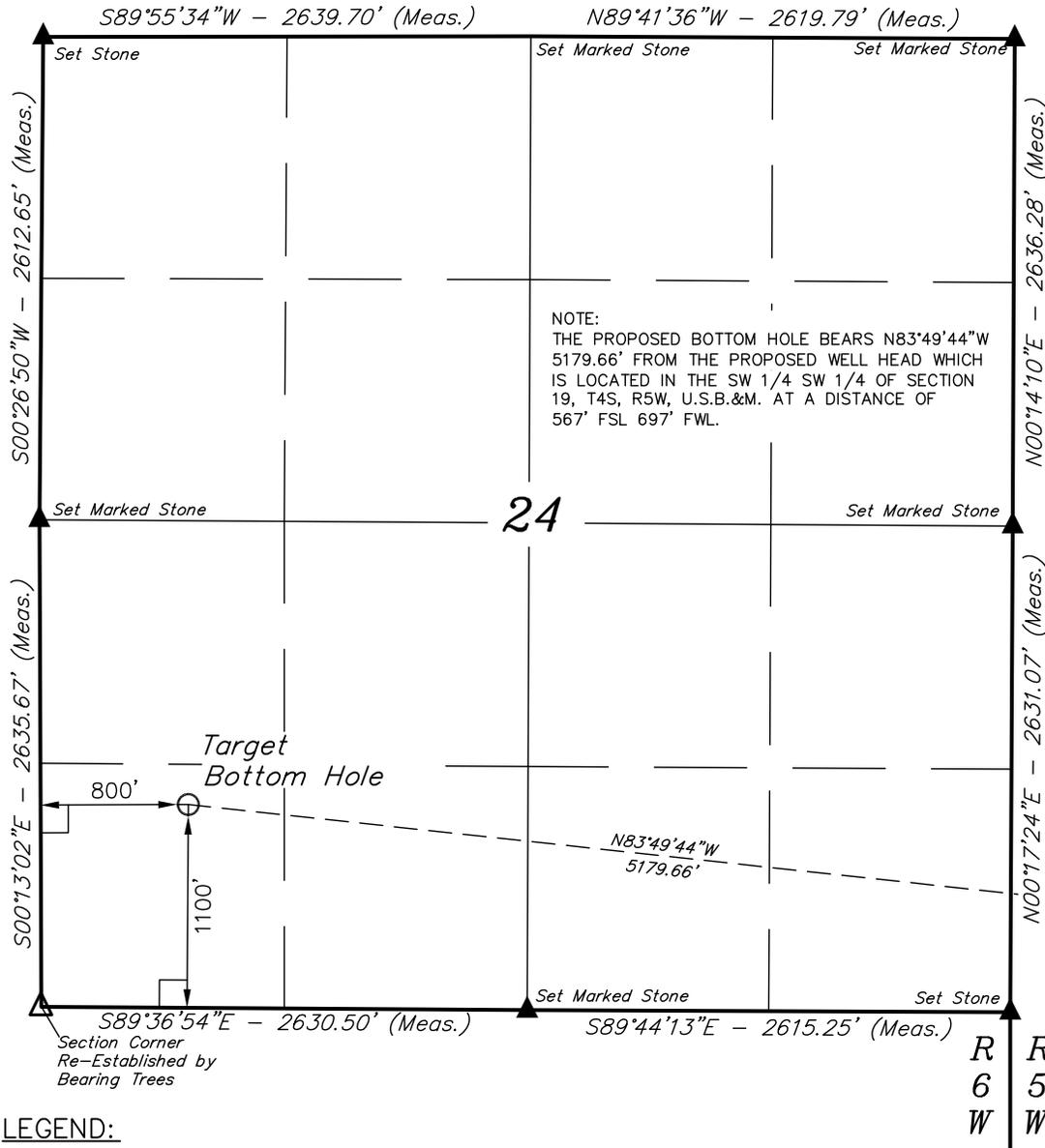
Well location, LC TRIBAL #13H-24-46 (TARGET BOTTOM HOLE), located as shown in the SW 1/4 SW 1/4 of Section 24, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
01-20-12

REV: 01-20-12 A.W.
REV: 10-19-11 K.O.

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

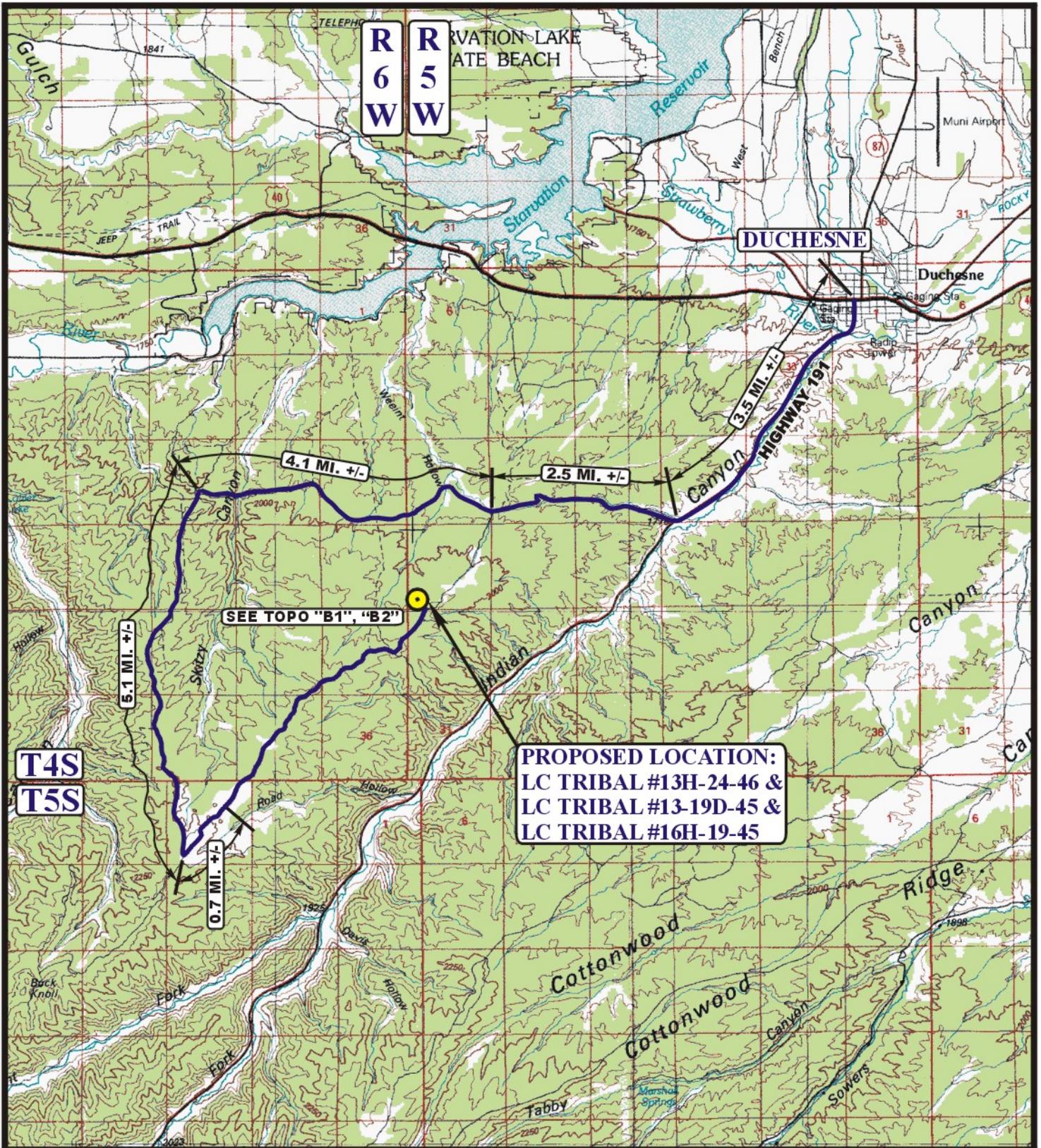
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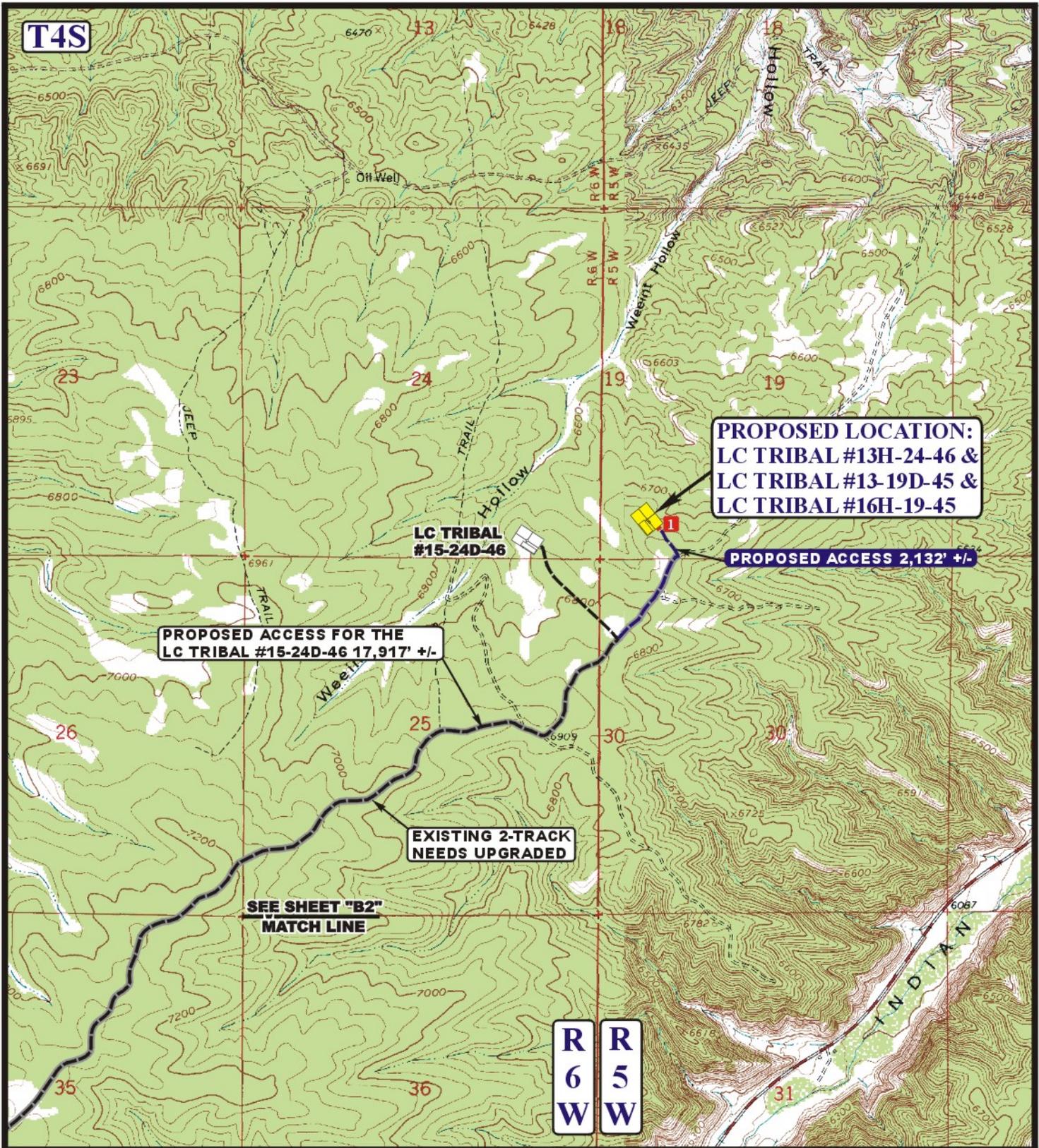
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°06'51.40" (40.114278)
LONGITUDE = 110°31'05.49" (110.518192)
NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°06'51.55" (40.114319)
LONGITUDE = 110°31'02.93" (110.517481)

SCALE 1" = 1000'	DATE SURVEYED: 06-01-11	DATE DRAWN: 07-11-11
PARTY C.R. A.W. S.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BILL BARRETT CORPORATION	

RECEIVED: March 05, 2012





**PROPOSED LOCATION:
LC TRIBAL #13H-24-46 &
LC TRIBAL #13-19D-45 &
LC TRIBAL #16H-19-45**

PROPOSED ACCESS 2,132' +/-

**LC TRIBAL
#15-24D-46**

**PROPOSED ACCESS FOR THE
LC TRIBAL #15-24D-46 17,917' +/-**

**EXISTING 2-TRACK
NEEDS UPGRADED**

**SEE SHEET "B2"
MATCH LINE**

**R
6
W** **R
5
W**

LEGEND:

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

1 24" CMP REQUIRED

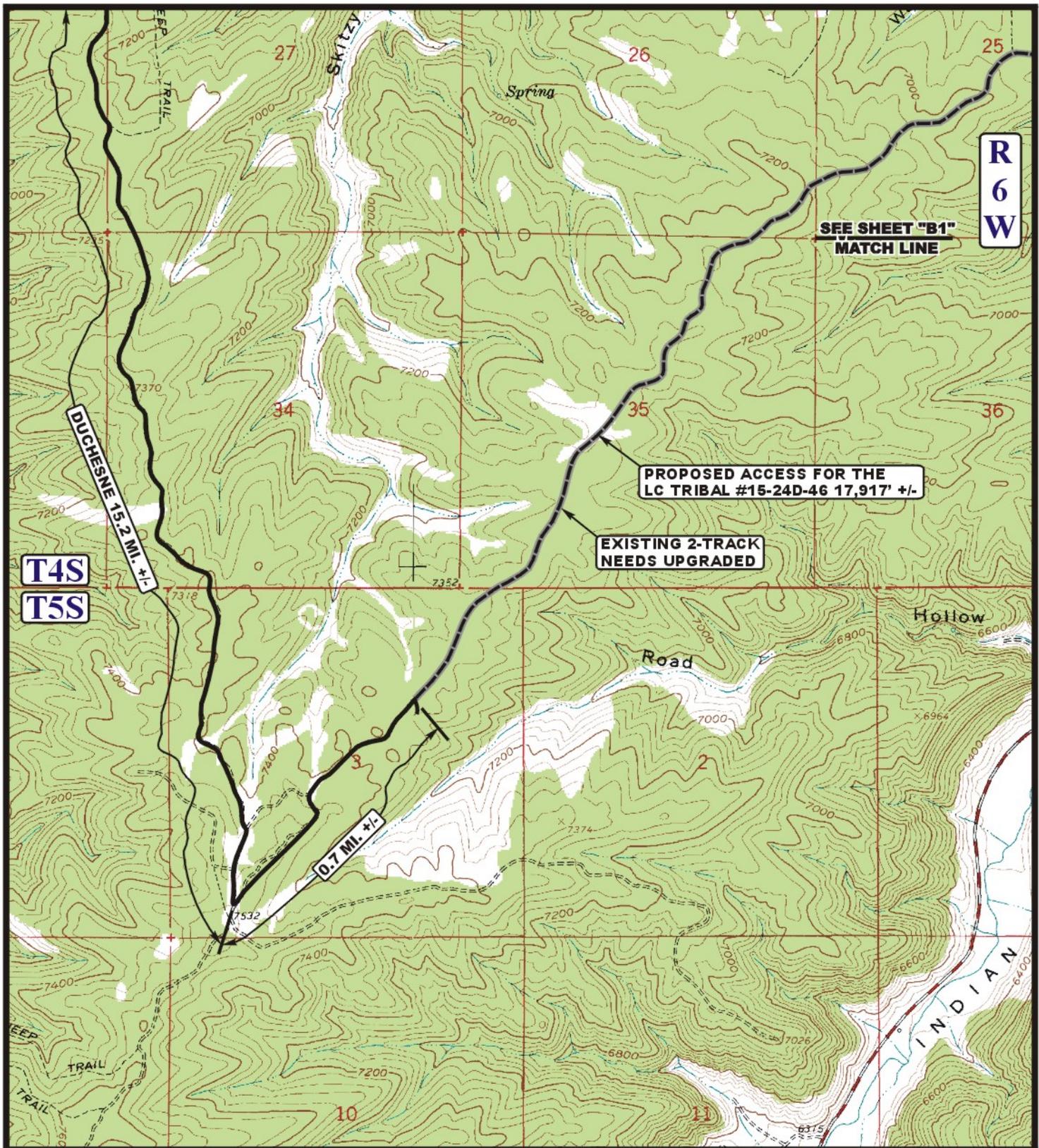
BILL BARRETT CORPORATION

LC TRIBAL #13H-24-46 & LC TRIBAL #13-19D-45 &
LC TRIBAL #16H-19-45
SECTION 19, T4S, R5W, U.S.B.&M.
SW 1/4 SW 1/4

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



ACCESS ROAD MAP	06 MONTH	24 DAY	11 YEAR	B1 TOPO
SCALE: 1" = 2000'	DRAWN BY: C.I.		REV: 11-12-11 J.L.H.	



LEGEND:

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

BILL BARRETT CORPORATION

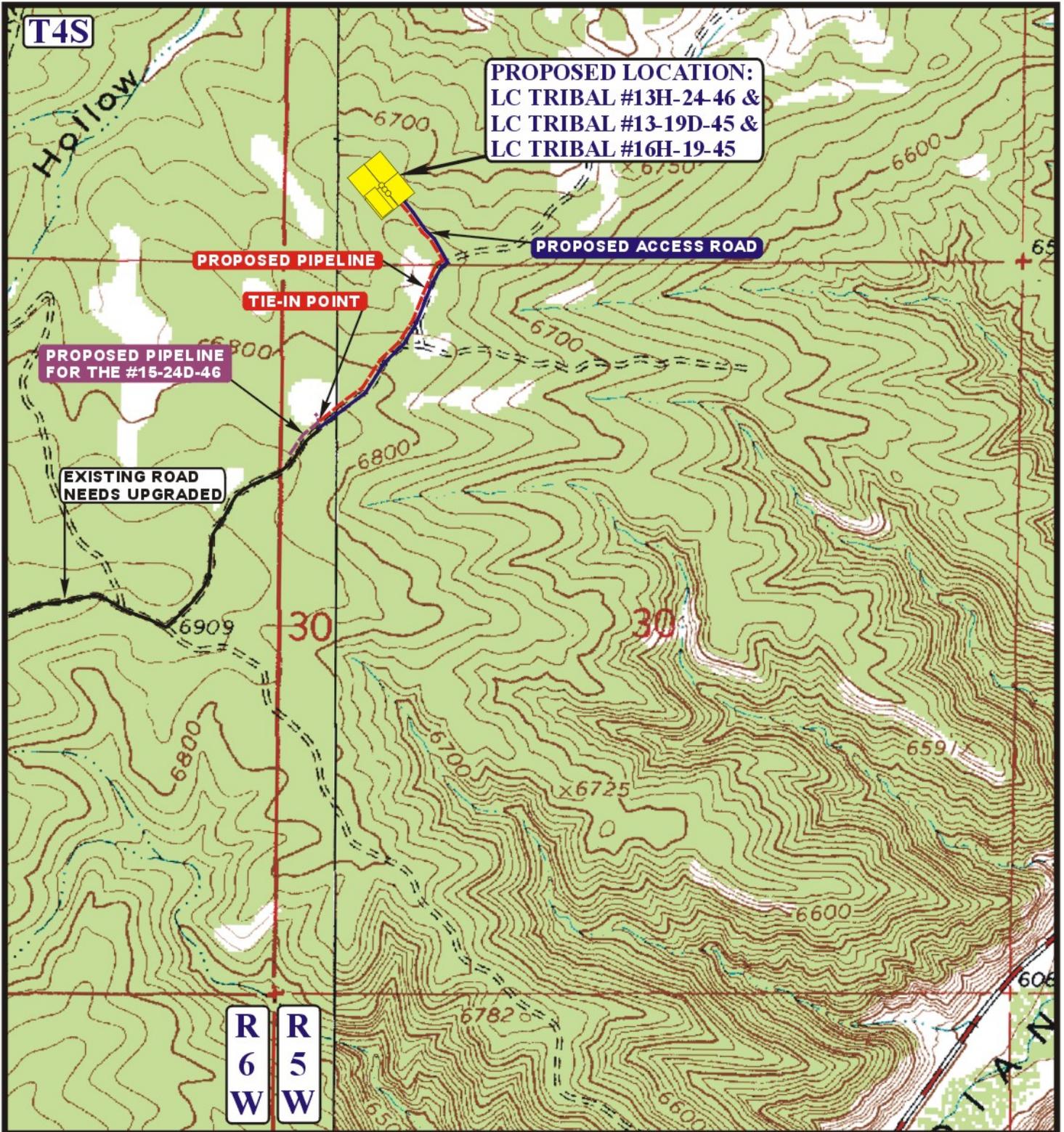
LC TRIBAL #13H-24-46 & LC TRIBAL #13-19D-45 &
 LC TRIBAL #16H-19-45
 SECTION 19, T4S, R5W, U.S.B.&M.
 SW 1/4 SW 1/4



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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ACCESS ROAD MAP	06	24	11	B2 TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: C.I.		REV: 11-12-11 J.L.H.	



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,054' +/-

LEGEND:

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

BILL BARRETT CORPORATION

LC TRIBAL #13H-24-46 & LC TRIBAL #13-19D-45 &
 LC TRIBAL #16H-19-45
 SECTION 19, T4S, R5W, U.S.B.&M.
 SW 1/4 SW 1/4



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



TOPOGRAPHIC
MAP

06 24 11
 MONTH DAY YEAR



SCALE: 1" = 1000' DRAWN BY: C.I. REV: 11-12-11 J.L.H.



SITE DETAILS: 13H-24-46 LC Tribal
Lake Canyon

Site Latitude: 40° 6' 46.141 N
Site Longitude: 110° 29' 56.659 W

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

Positional Uncertainty: 0.0
Convergence: 0.64
Local North: True

WELL DETAILS: 13H-24-46 LC Tribal

Ground Level: 6749.0
Northing 649705.10
Easting 2279937.45
Latitude 40° 6' 46.141 N
Longitude 110° 29' 56.659 W

+N/-S 0.0 +E/-W 0.0 Northing 649705.10 Easting 2279937.45 Latitude 40° 6' 46.141 N Longitude 110° 29' 56.659 W Slot

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
13H-24-46 LC Tribal PBH5889.0	547.6	547.6	-5148.6	40° 6' 51.548 N	110° 31' 2.932 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

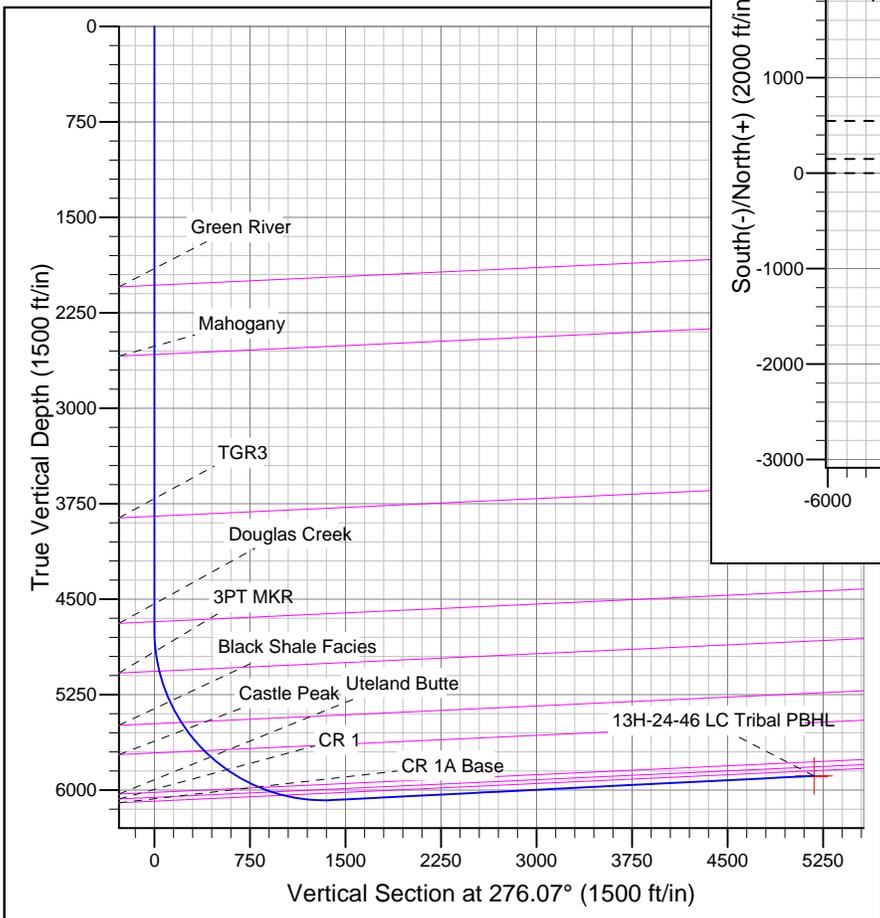
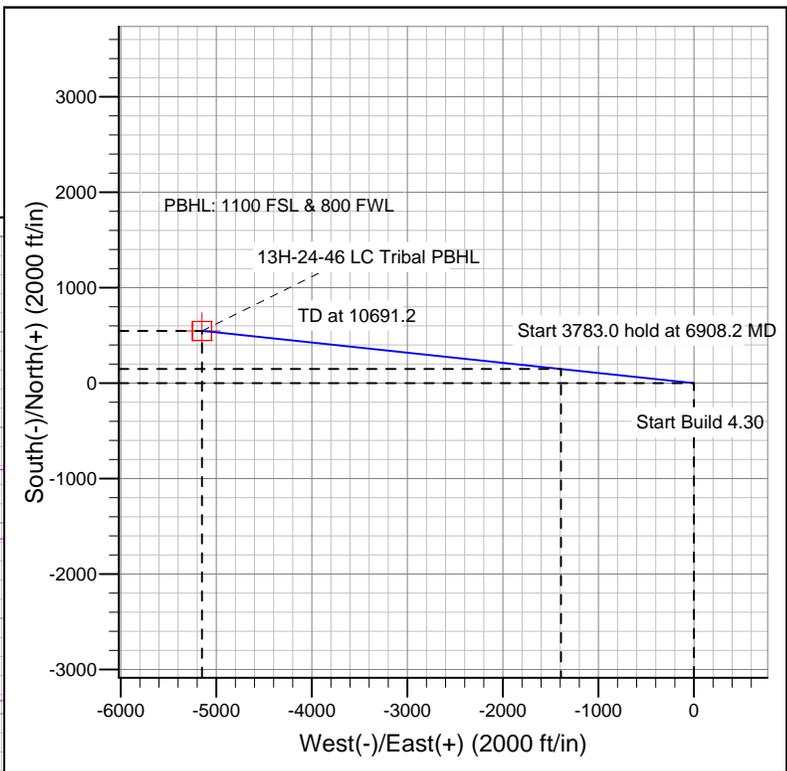
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4748.2	0.00	0.00	4748.2	0.0	0.0	0.00	0.00	0.0	
3	6908.2	92.88	276.07	6079.0	148.0	-1391.5	4.30	276.07	1399.4	
4	10691.2	92.88	276.07	5889.0	547.6	-5148.6	0.00	0.00	5177.6	
5	10691.2	0.00	0.00	5889.0	547.6	-5148.6	0.00	180.00	5177.6	13H-24-46 LC Tribal PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2034.0	2034.0	Green River
2579.0	2579.0	Mahogany
3849.0	3849.0	TGR3
4679.0	4679.0	Douglas Creek
5067.2	5070.3	3PT MKR
5469.2	5510.0	Black Shale Facies
5690.9	5795.4	Castle Peak
5980.8	6322.0	Uteland Butte
6016.3	6425.3	CR 1
6042.1	6519.7	CR 1A Base

CASING DETAILS

No casing data is available



Azimuths to True North
Magnetic North: 11.41°

Magnetic Field
Strength: 52169.3snT
Dip Angle: 65.75°
Date: 2/10/2012
Model: IGRF2010

BILL BARRETT CORP

DUCHESNE COUNTY, UT (NAD 27)

13H-24-46 LC Tribal

13H-24-46 LC Tribal

13H-24-46 LC Tribal

Plan: Design #1

Standard Planning Report

17 February, 2012

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 13H-24-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6765.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6765.0ft (Original Well Elev)
Site:	13H-24-46 LC Tribal	North Reference:	True
Well:	13H-24-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	13H-24-46 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	13H-24-46 LC Tribal				
Site Position:		Northing:	649,705.11 ft	Latitude:	40° 6' 46.141 N
From:	Lat/Long	Easting:	2,279,937.45 ft	Longitude:	110° 29' 56.659 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.64 °

Well	13H-24-46 LC Tribal					
Well Position	+N/-S	0.0 ft	Northing:	649,705.10 ft	Latitude:	40° 6' 46.141 N
	+E/-W	0.0 ft	Easting:	2,279,937.45 ft	Longitude:	110° 29' 56.659 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,749.0 ft

Wellbore	13H-24-46 LC Tribal				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/10/2012	11.41	65.75	52,169

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	276.07

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	
4,748.2	0.00	0.00	4,748.2	0.0	0.0	0.00	0.00	0.00	0.00	
6,908.2	92.88	276.07	6,079.0	148.0	-1,391.5	4.30	4.30	0.00	276.07	
10,691.2	92.88	276.07	5,889.0	547.6	-5,148.6	0.00	0.00	0.00	0.00	
10,691.2	0.00	0.00	5,889.0	547.6	-5,148.6	0.00	0.00	0.00	180.00	13H-24-46 LC Tribal f

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 13H-24-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6765.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6765.0ft (Original Well Elev)
Site:	13H-24-46 LC Tribal	North Reference:	True
Well:	13H-24-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	13H-24-46 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	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,034.0	0.00	0.00	2,034.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River									
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,579.0	0.00	0.00	2,579.0	0.0	0.0	0.0	0.00	0.00	0.00
Mahogany									
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,849.0	0.00	0.00	3,849.0	0.0	0.0	0.0	0.00	0.00	0.00
TGR3									
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 13H-24-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6765.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6765.0ft (Original Well Elev)
Site:	13H-24-46 LC Tribal	North Reference:	True
Well:	13H-24-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	13H-24-46 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)	
4,679.0	0.00	0.00	4,679.0	0.0	0.0	0.0	0.00	0.00	0.00	
Douglas Creek										
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,748.2	0.00	0.00	4,748.2	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	2.23	276.07	4,800.0	0.1	-1.0	1.0	4.30	4.30	0.00	
4,900.0	6.53	276.07	4,899.7	0.9	-8.6	8.6	4.30	4.30	0.00	
5,000.0	10.83	276.07	4,998.5	2.5	-23.6	23.7	4.30	4.30	0.00	
5,070.3	13.85	276.07	5,067.2	4.1	-38.5	38.8	4.30	4.30	0.00	
3PT MKR										
5,100.0	15.13	276.07	5,095.9	4.9	-45.9	46.2	4.30	4.30	0.00	
5,200.0	19.43	276.07	5,191.4	8.0	-75.4	75.9	4.30	4.30	0.00	
5,300.0	23.73	276.07	5,284.4	11.9	-112.0	112.6	4.30	4.30	0.00	
5,400.0	28.03	276.07	5,374.3	16.5	-155.4	156.3	4.30	4.30	0.00	
5,500.0	32.33	276.07	5,460.7	21.8	-205.4	206.5	4.30	4.30	0.00	
5,510.0	32.76	276.07	5,469.2	22.4	-210.7	211.9	4.30	4.30	0.00	
Black Shale Facies										
5,600.0	36.63	276.07	5,543.2	27.8	-261.6	263.1	4.30	4.30	0.00	
5,700.0	40.93	276.07	5,621.1	34.5	-323.9	325.7	4.30	4.30	0.00	
5,795.4	45.03	276.07	5,690.9	41.3	-388.6	390.8	4.30	4.30	0.00	
Castle Peak										
5,800.0	45.23	276.07	5,694.1	41.7	-391.8	394.0	4.30	4.30	0.00	
5,900.0	49.53	276.07	5,761.8	49.5	-465.0	467.6	4.30	4.30	0.00	
6,000.0	53.83	276.07	5,823.8	57.8	-543.0	546.0	4.30	4.30	0.00	
6,100.0	58.13	276.07	5,879.8	66.5	-625.3	628.9	4.30	4.30	0.00	
6,200.0	62.43	276.07	5,929.3	75.7	-711.7	715.7	4.30	4.30	0.00	
6,300.0	66.73	276.07	5,972.2	85.3	-801.5	806.0	4.30	4.30	0.00	
6,322.0	67.67	276.07	5,980.8	87.4	-821.6	826.2	4.30	4.30	0.00	
Uteland Butte										
6,400.0	71.03	276.07	6,008.3	95.1	-894.2	899.3	4.30	4.30	0.00	
6,425.3	72.11	276.07	6,016.3	97.7	-918.1	923.2	4.30	4.30	0.00	
CR 1										
6,500.0	75.33	276.07	6,037.2	105.2	-989.4	995.0	4.30	4.30	0.00	
6,519.7	76.18	276.07	6,042.1	107.3	-1,008.4	1,014.1	4.30	4.30	0.00	
CR 1A Base										
6,600.0	79.63	276.07	6,058.9	115.6	-1,086.4	1,092.6	4.30	4.30	0.00	
6,700.0	83.93	276.07	6,073.2	126.0	-1,184.8	1,191.5	4.30	4.30	0.00	
6,800.0	88.23	276.07	6,080.0	136.6	-1,284.0	1,291.2	4.30	4.30	0.00	
6,900.0	92.53	276.07	6,079.4	147.2	-1,383.4	1,391.2	4.30	4.30	0.00	
6,908.2	92.88	276.07	6,079.0	148.0	-1,391.5	1,399.4	4.30	4.30	0.00	
7,000.0	92.88	276.07	6,074.4	157.7	-1,482.7	1,491.1	0.00	0.00	0.00	
7,100.0	92.88	276.07	6,069.3	168.3	-1,582.0	1,591.0	0.00	0.00	0.00	
7,200.0	92.88	276.07	6,064.3	178.8	-1,681.4	1,690.8	0.00	0.00	0.00	
7,300.0	92.88	276.07	6,059.3	189.4	-1,780.7	1,790.7	0.00	0.00	0.00	
7,400.0	92.88	276.07	6,054.3	200.0	-1,880.0	1,890.6	0.00	0.00	0.00	
7,500.0	92.88	276.07	6,049.3	210.5	-1,979.3	1,990.5	0.00	0.00	0.00	
7,600.0	92.88	276.07	6,044.2	221.1	-2,078.6	2,090.3	0.00	0.00	0.00	
7,700.0	92.88	276.07	6,039.2	231.7	-2,177.9	2,190.2	0.00	0.00	0.00	
7,800.0	92.88	276.07	6,034.2	242.2	-2,277.2	2,290.1	0.00	0.00	0.00	
7,900.0	92.88	276.07	6,029.2	252.8	-2,376.5	2,390.0	0.00	0.00	0.00	
8,000.0	92.88	276.07	6,024.2	263.4	-2,475.9	2,489.8	0.00	0.00	0.00	
8,100.0	92.88	276.07	6,019.1	273.9	-2,575.2	2,589.7	0.00	0.00	0.00	
8,200.0	92.88	276.07	6,014.1	284.5	-2,674.5	2,689.6	0.00	0.00	0.00	
8,300.0	92.88	276.07	6,009.1	295.0	-2,773.8	2,789.5	0.00	0.00	0.00	

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 13H-24-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6765.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6765.0ft (Original Well Elev)
Site:	13H-24-46 LC Tribal	North Reference:	True
Well:	13H-24-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	13H-24-46 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)
8,400.0	92.88	276.07	6,004.1	305.6	-2,873.1	2,889.3	0.00	0.00	0.00
8,500.0	92.88	276.07	5,999.0	316.2	-2,972.4	2,989.2	0.00	0.00	0.00
8,600.0	92.88	276.07	5,994.0	326.7	-3,071.7	3,089.1	0.00	0.00	0.00
8,700.0	92.88	276.07	5,989.0	337.3	-3,171.1	3,188.9	0.00	0.00	0.00
8,800.0	92.88	276.07	5,984.0	347.9	-3,270.4	3,288.8	0.00	0.00	0.00
8,900.0	92.88	276.07	5,979.0	358.4	-3,369.7	3,388.7	0.00	0.00	0.00
9,000.0	92.88	276.07	5,973.9	369.0	-3,469.0	3,488.6	0.00	0.00	0.00
9,100.0	92.88	276.07	5,968.9	379.6	-3,568.3	3,588.4	0.00	0.00	0.00
9,200.0	92.88	276.07	5,963.9	390.1	-3,667.6	3,688.3	0.00	0.00	0.00
9,300.0	92.88	276.07	5,958.9	400.7	-3,766.9	3,788.2	0.00	0.00	0.00
9,400.0	92.88	276.07	5,953.8	411.2	-3,866.3	3,888.1	0.00	0.00	0.00
9,500.0	92.88	276.07	5,948.8	421.8	-3,965.6	3,987.9	0.00	0.00	0.00
9,600.0	92.88	276.07	5,943.8	432.4	-4,064.9	4,087.8	0.00	0.00	0.00
9,700.0	92.88	276.07	5,938.8	442.9	-4,164.2	4,187.7	0.00	0.00	0.00
9,800.0	92.88	276.07	5,933.8	453.5	-4,263.5	4,287.6	0.00	0.00	0.00
9,900.0	92.88	276.07	5,928.7	464.1	-4,362.8	4,387.4	0.00	0.00	0.00
10,000.0	92.88	276.07	5,923.7	474.6	-4,462.1	4,487.3	0.00	0.00	0.00
10,100.0	92.88	276.07	5,918.7	485.2	-4,561.4	4,587.2	0.00	0.00	0.00
10,200.0	92.88	276.07	5,913.7	495.8	-4,660.8	4,687.1	0.00	0.00	0.00
10,300.0	92.88	276.07	5,908.6	506.3	-4,760.1	4,786.9	0.00	0.00	0.00
10,400.0	92.88	276.07	5,903.6	516.9	-4,859.4	4,886.8	0.00	0.00	0.00
10,500.0	92.88	276.07	5,898.6	527.4	-4,958.7	4,986.7	0.00	0.00	0.00
10,600.0	92.88	276.07	5,893.6	538.0	-5,058.0	5,086.5	0.00	0.00	0.00
10,691.2	0.00	0.00	5,889.0	547.6	-5,148.6	5,177.6	101.83	-101.83	0.00

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,034.0	2,034.0	Green River		-2.65	276.07
2,579.0	2,579.0	Mahogany		-2.65	276.07
3,849.0	3,849.0	TGR3		-2.65	276.07
4,679.0	4,679.0	Douglas Creek		-2.65	276.07
5,070.3	5,069.0	3PT MKR		-2.65	276.07
5,510.0	5,479.0	Black Shale Facies		-2.65	276.07
5,795.4	5,709.0	Castle Peak		-2.65	276.07
6,322.0	6,019.0	Uteland Butte		-2.65	276.07
6,425.3	6,059.0	CR 1		-2.65	276.07
6,519.7	6,089.0	CR 1A Base		-2.65	276.07

SURFACE USE PLAN**BILL BARRETT CORPORATION****LC Tribal 13H-24-46 & LC Tribal 13-19D-45 & LC Tribal 16H-19-45 Pad**
Duchesne County, Utah

<p align="center"><u>LC Tribal 13H-24-46</u></p> <p>Lot 4 (SWSW), 567' FSL & 697' FWL, Sec. 19, T4S-R5W (surface) SWSW, 800' FSL & 800' FWL, Sec. 24, T4S-R6W (bottom hole)</p>	<p align="center"><u>LC Tribal 13-19D-45</u></p> <p>Lot 4 (SWSW), 555' FSL & 707' FWL, Sec. 19, T4S-R5W (surface hole) Lot 4 (SWSW), 810' FSL & 810' FWL, Sec. 19, T4S-R5W (bottom hole)</p>
<p align="center"><u>LC Tribal 16H-19-45</u></p> <p>Lot 4 (SWSW), 542' FSL & 717' FWL, Sec. 19, T4S-R5W (surface) SESE, 800' FSL & 800' FEL, Sec. 19, T4S-R5W (bottom hole)</p>	

The onsite inspection for this pad occurred on October 14, 2011. This is a new pad with a total of three proposed wells. Plat changes requested at the onsite are reflected within this APD and summarized below.

- a) Reduce pad corner by six feet and round corner 8 as much as possible to minimize fill;
- b) Increase 18" culvert to a 24" culvert at the junction of the access road and well pad Corner #3.

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 pad is located approximately 19.7 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well pad are included (see Topographic maps A and B).
- b. The existing State Highway 191 would be utilized from Duchesne for 3.5 miles to the existing BBC maintained Skitzzy Road that would be utilized for 6.6 miles and provides access to the existing 7-3-56 DLB access road that would be utilized for 5.8 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-24-46 & 13-19D-45 & 16H-19-45 Pad
Duchesne County, UT

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

2. Planned Access Road:

- a. Approximately 2,132 feet of new access road trending northeast then northwest is planned from the proposed LC Tribal 15H-24-46 access road. The LC Tribal 15H-24-46 access road has been applied for and continues an additional 17,917 feet to the existing 7-3-56 DLB access road (see Topographic Map B). The proposed access road crosses entirely Ute Tribe surface.
- 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 pad.
- 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

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LC Tribal 13H-24-46 & 13-19D-45 & 16H-19-45 Pad
Duchesne County, UT

would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.

- h. Turnouts are not proposed.
- i. One 24-inch culvert and no low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

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

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

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

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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.

- c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.
- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 2,054 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southwest then southeast to the proposed LC Tribal 15H-24-46 pipeline corridor. The LC Tribal 15H-24-46 pipeline corridor has been applied for and continues 17,917 feet to the existing pipeline corridor for the 7-3-56 DLB. 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 pad 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.

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 Surface Use Plan
 LC Tribal 13H-24-46 & 13-19D-45 & 16H-19-45 Pad
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- j. All permanent above-ground structures would be painted a flat, non-reflective Beetle Green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The pad 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.

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- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations for each well.

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 wells 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

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 LC Tribal 13H-24-46 & 13-19D-45 & 16H-19-45 Pad
 Duchesne County, UT

Disposal Facilities
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

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

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and completion operations at an individual well pad; when worker housing is no longer needed; or as required.

- l. A flare pit may be constructed a minimum of 110 feet 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.
- c. A powerline corridor is not proposed at this time but may be applied for in the future.

9. Well Pad Layout:

- a. Each 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 368 feet x 305 feet with an inboard reserve pit size of 210 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.

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- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well pad to prevent surface waters from entering the well pad 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. Pad 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 pad 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.

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Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.

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

11. Surface and Mineral Ownership:

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

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies as MOAC Report No. 11-223 (U-11-MQ-0697i,p,s) dated August 25, 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		3.667	acres
Access	2132 feet	1.451	acres

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-24-46 & 13-19D-45 & 16H-19-45 Pad
Duchesne County, UT

Pipeline	2054 feet	1.398	acres
Total		6.516	acres

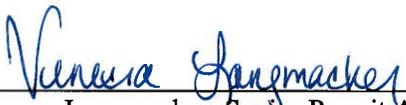
Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-24-46 & 13-19D-45 & 16H-19-45 Pad
Duchesne County, UT

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.

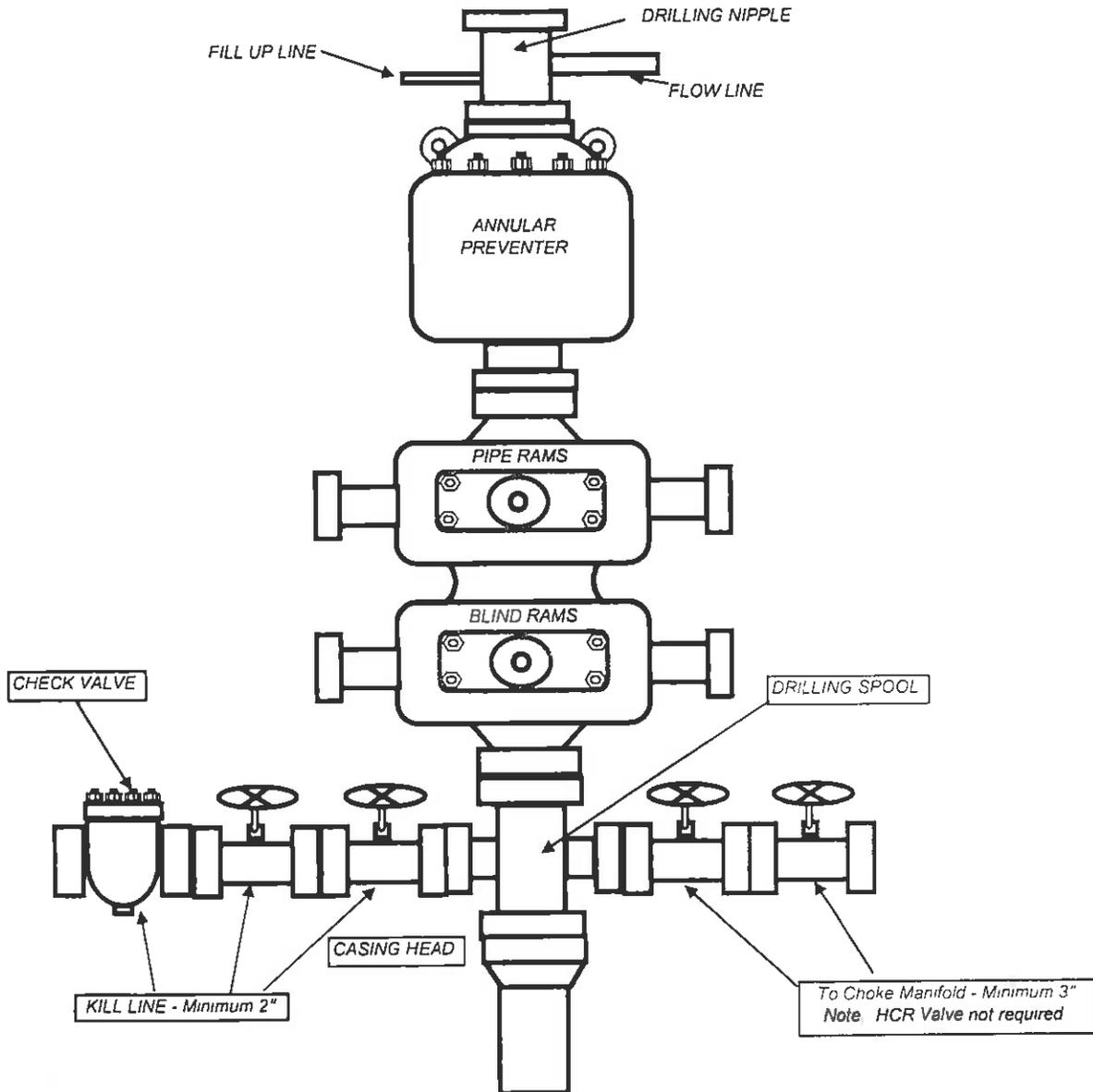
Executed this 5th day of March 2012
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Venessa Langmacher, Senior Permit Analyst

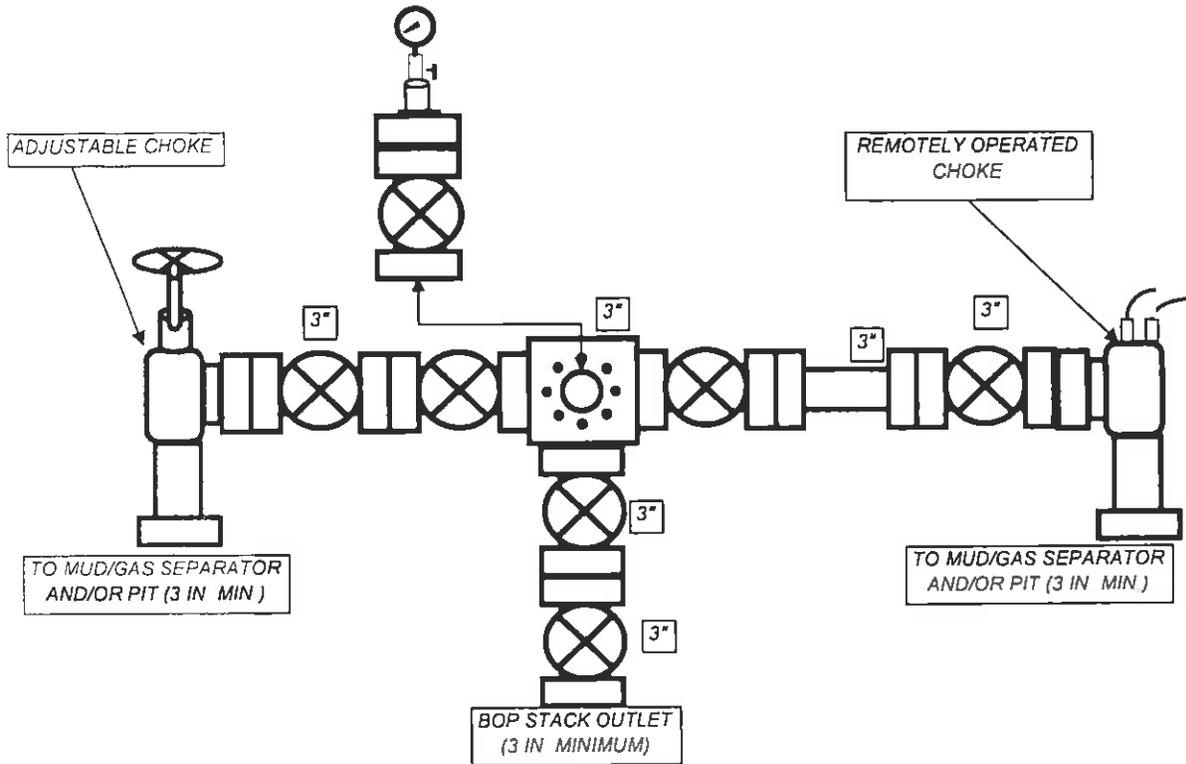
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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





March 5, 2012

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P. O. Box 145801
Salt Lake City, Utah 84114-5801

**RE: Horizontal Drilling
LC Tribal # 13H-24-46
Section 24, T4S-R6W, U.S.B.&M.
Duchesne County, Utah**

**Surface Hole Location: 567' FSL & 697' FWL, SWSW, 19-T4S-R6W, USB&M
Bottom Hole Location: 1100' FSL & 800' FWL, SWSW, 24-T4S-R6W, USB&M**

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above-referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-2 pertaining to a temporary 640 acre spacing unit for a horizontal well.

- Tribal Exploration and Development Agreement #14-20-H62-5500, which includes all of the subject Section 24 and other lands, allows for the drilling of the #13H-24-46 well.
- Once the well has been drilled and completed BBC will earn the tribal lease covering 640 "deep depth" acres being further described in the Exploration and Development Agreement.
- The LC Tribal #13H-24-46 will be perforated no less than 640 feet from the Section 24 Tribal Lease boundary, in accordance with R649-3-2(3).

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-2. If you should have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

BILL BARRETT CORPORATION

A handwritten signature in blue ink that reads 'Venusia Gungmacker'.

for
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 #13H-24-46, #13-19D-45 & #16H-19-45

SECTION 19, T4S, R5W, U.S.B.&M.

SW 1/4 SW 1/4

FIGURE #1

SCALE: 1" = 60'

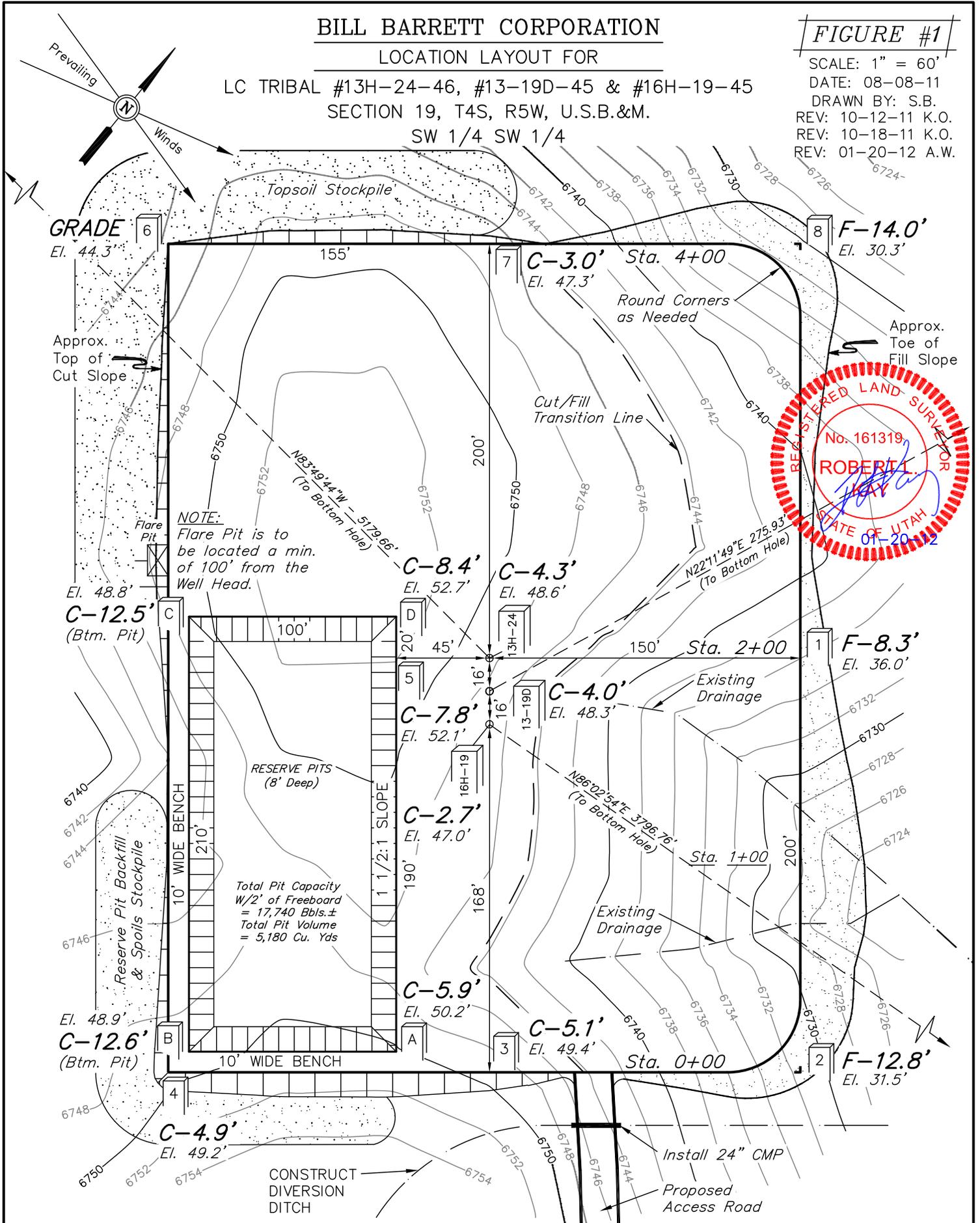
DATE: 08-08-11

DRAWN BY: S.B.

REV: 10-12-11 K.O.

REV: 10-18-11 K.O.

REV: 01-20-12 A.W.



Elev. Ungraded Ground At Loc. Stake = **6748.6'**
 FINISHED GRADE ELEV. AT LOC. STAKE = **6744.3'**

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

RECEIVED: March 05, 2012

BILL BARRETT CORPORATION

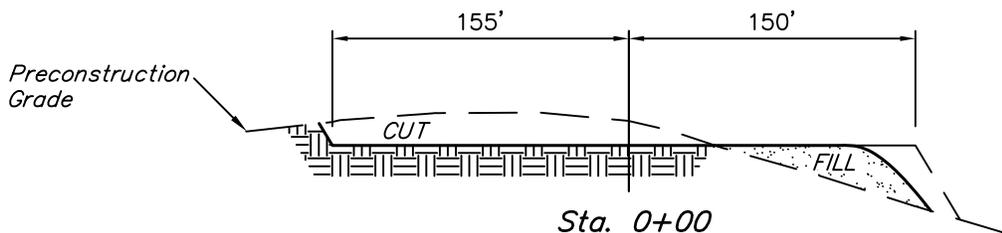
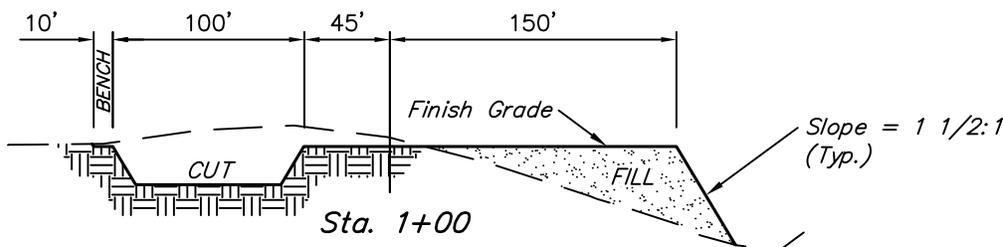
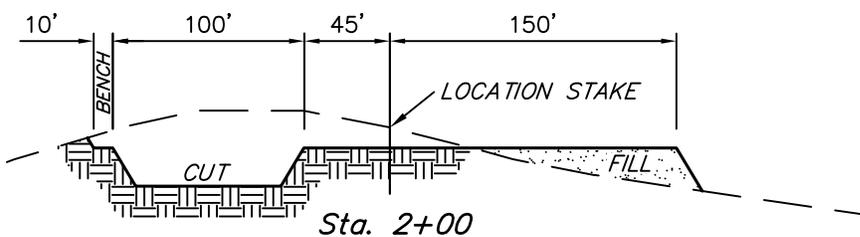
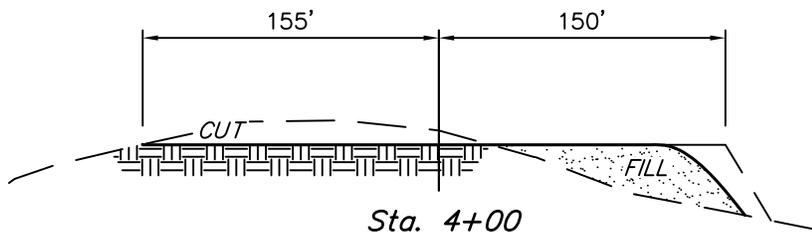
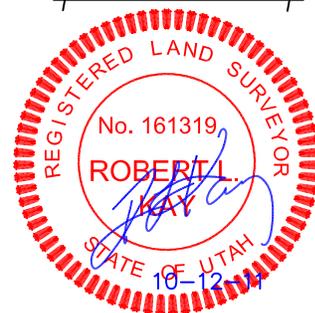
TYPICAL CROSS SECTION FOR

**LC TRIBAL #13H-24-46, #13-19D-45 & #16H-19-45
SECTION 19, T4S, R5W, U.S.B.&M.
SW 1/4 SW 1/4**

FIGURE #2

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

DATE: 08-08-11
DRAWN BY: S.B.
REV: 10-12-11 K.O.



NOTE:

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

* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	=	5,180 Cu. Yds.
Remaining Location	=	16,480 Cu. Yds.
TOTAL CUT	=	21,660 CU.YDS.
FILL	=	13,890 CU.YDS.

EXCESS MATERIAL	=	7,770 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	7,770 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

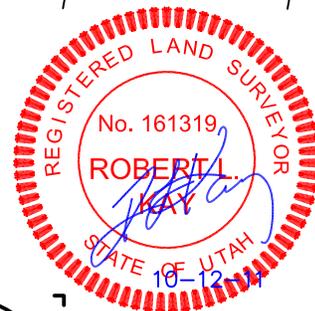
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

BILL BARRETT CORPORATION

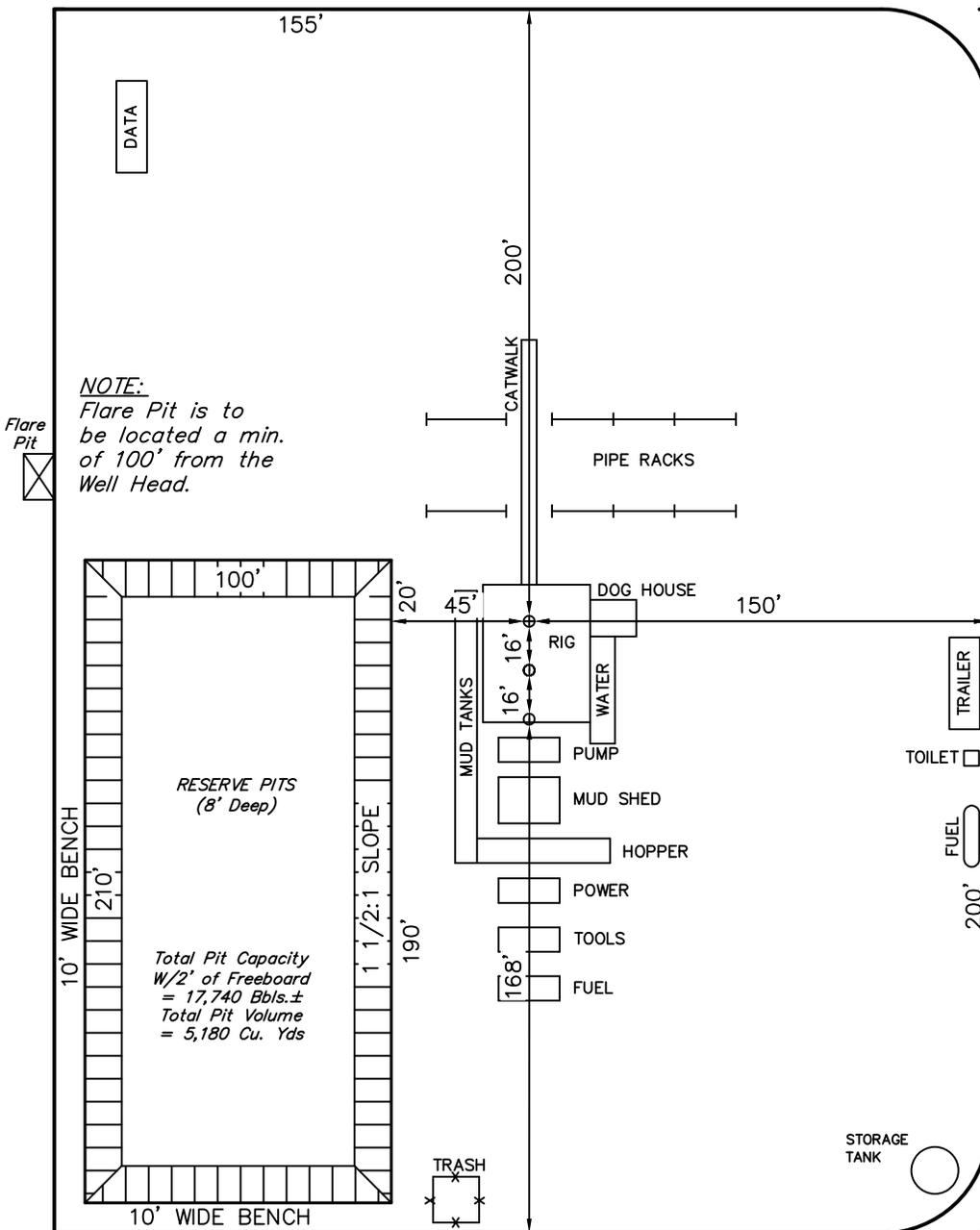
TYPICAL RIG LAYOUT FOR

LC TRIBAL #13H-24-46, #13-19D-45 & #16H-19-45
SECTION 19, T4S, R5W, U.S.B.&M.
SW 1/4 SW 1/4

FIGURE #3



SCALE: 1" = 60'
DATE: 08-08-11
DRAWN BY: S.B.
REV: 10-12-11 K.O.



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

RECEIVED: March 05, 2012

BILL BARRETT CORPORATION

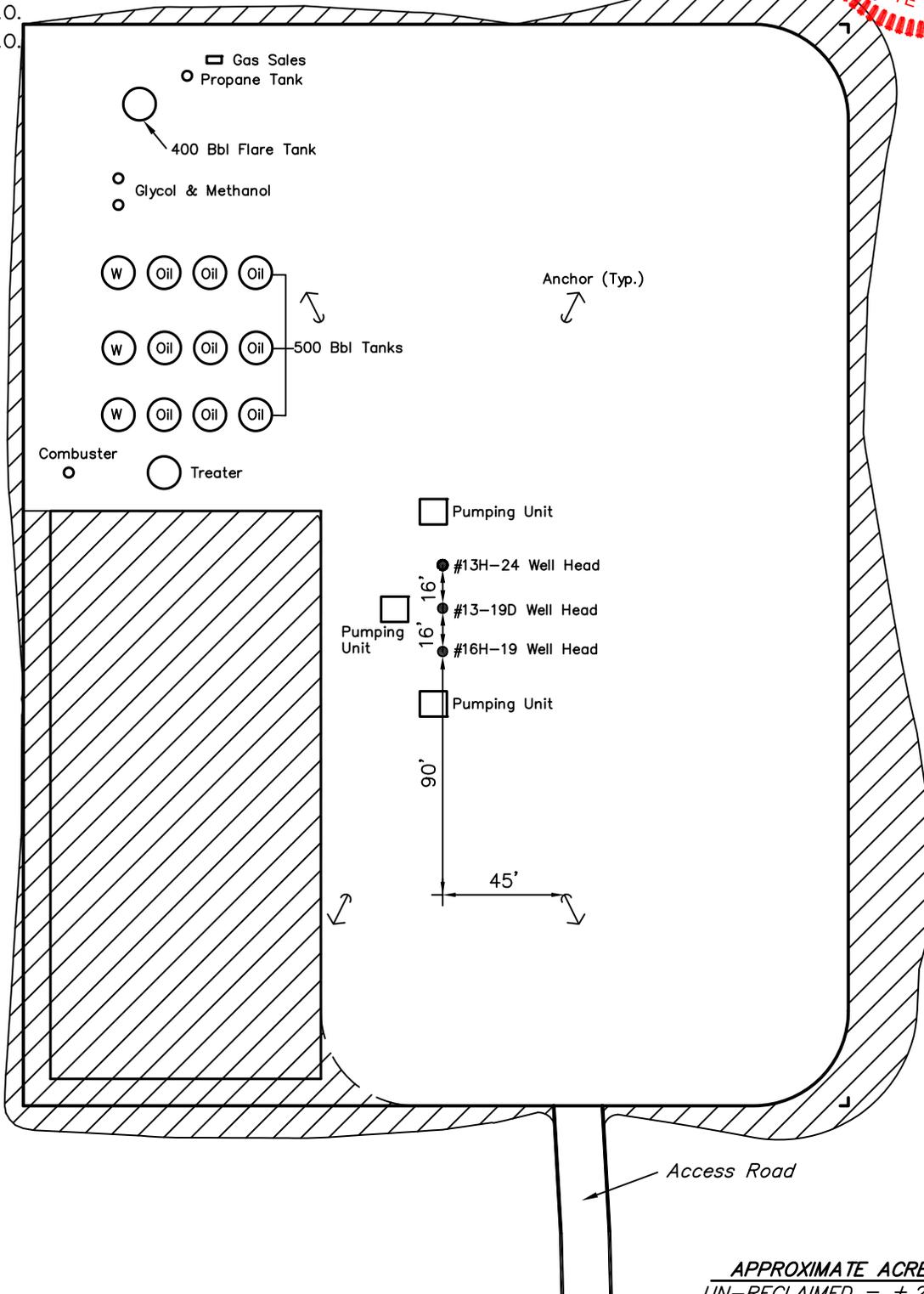
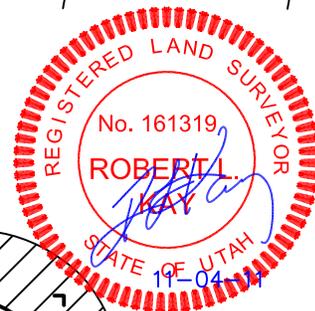
INTERIM RECLAMATION PLAN FOR

LC TRIBAL #13H-24-46, #13-19D-45 & #16H-19-45
SECTION 19, T4S, R5W, U.S.B.&M.
SW 1/4 SW 1/4

FIGURE #4



SCALE: 1" = 60'
DATE: 08-08-11
DRAWN BY: S.B.
REV: 10-12-11 K.O.
REV: 11-04-11 K.O.

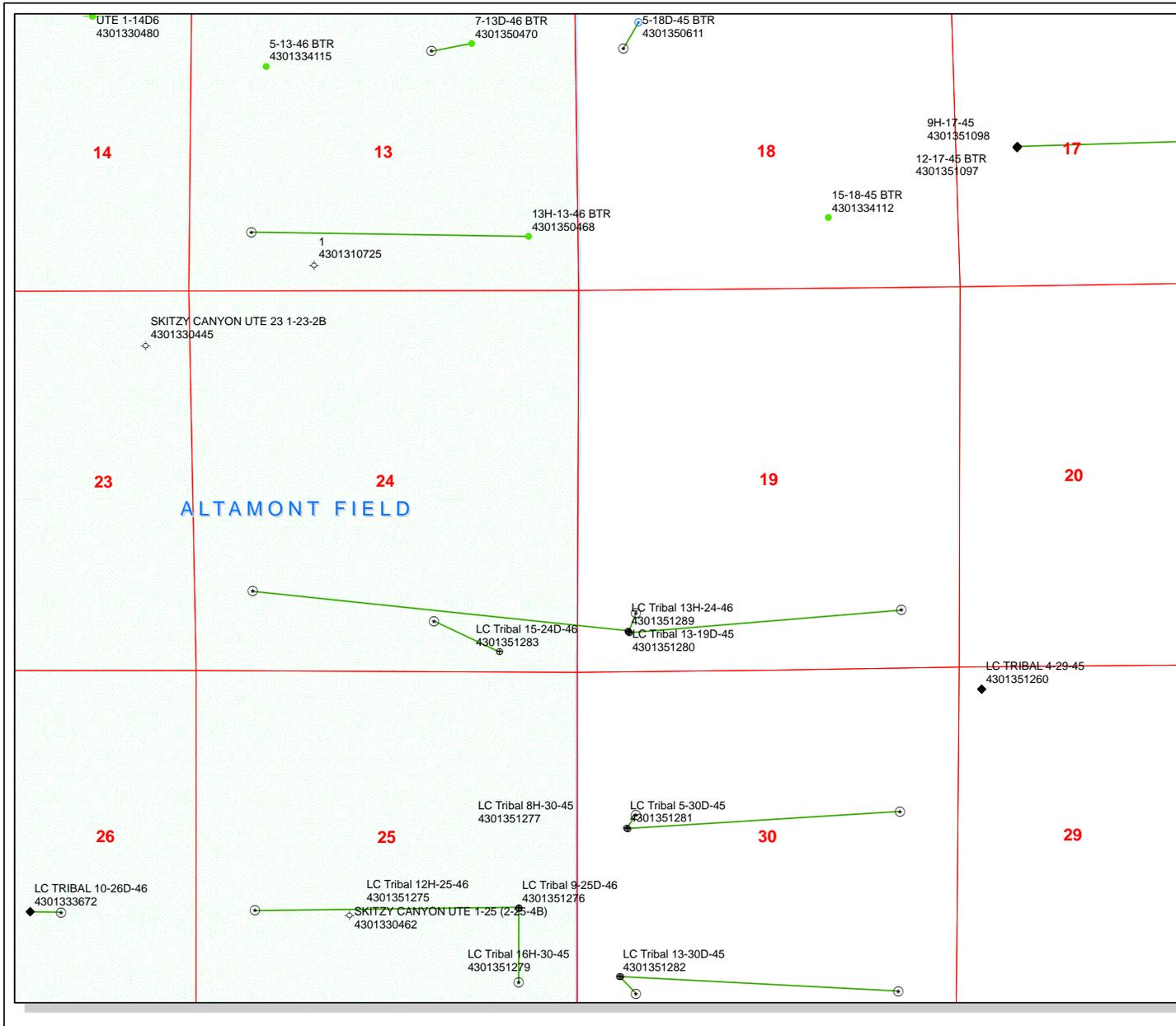


 INTERIM RECLAMATION

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 2.227 ACRES

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

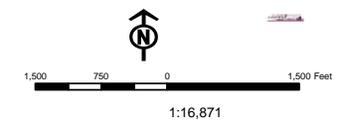
RECEIVED: March 05, 2012



API Number: 4301351289
Well Name: LC Tribal 13H-24-46
 Township T0.4 . Range R0.5 . Section 19
Meridian: UBM
 Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Aproved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	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: 3/5/2012

API NO. ASSIGNED: 43013512890000

WELL NAME: LC Tribal 13H-24-46

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWSW 19 040S 050W

Permit Tech Review:

SURFACE: 0567 FSL 0697 FWL

Engineering Review:

BOTTOM: 1100 FSL 0800 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.11269

LONGITUDE: -110.49965

UTM SURF EASTINGS: 542640.00

NORTHINGS: 4440385.00

FIELD NAME: ALTAMONT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005500

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

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

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-87
- Effective Date: 12/6/2011
- Siting: 4 Prod LGRRV-WSTC Per Sectional Drilling Units
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
27 - Other - bhill



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 13H-24-46

API Well Number: 43013512890000

Lease Number: 2OG0005500

Surface Owner: INDIAN

Approval Date: 3/15/2012

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 Cause 139-87. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

API Well No: 43013512890000

website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: 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 13H-24-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U	9. API NUMBER: 43013512890000
9. FIELD and POOL or WILDCAT: ALTAMONT	COUNTY: DUCHESNE
9. STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/26/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Confidential Status"/>

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

BBC hereby requests this well to be held in confidential status.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 May 02, 2012**

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 4/26/2012	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 07 2012

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

CONFIDENTIAL

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 UINTAH AND OURAY
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 13H-24-46
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface Lot 4 567FSL 697FWL 40.112775 N Lat, 110.499783 W Lon At proposed prod. zone SWSW 1100FSL 800FWL 40.114278 N Lat, 110.518192 W Lon <i>Sec. 24.</i>		9. API Well No. 43-013-51289
14. Distance in miles and direction from nearest town or post office* 19.7 MILES SOUTHWEST OF DUCHESNE, UT	10. Field and Pool, or Exploratory ALTAMONT	11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T4S R5W Mer UBM SME: BIA
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 800' (BTM. HOLE)	16. No. of Acres in Lease 124793.50	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1532'	19. Proposed Depth 10691 MD 5889 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6749 GL	22. Approximate date work will start 05/01/2012	17. Spacing Unit dedicated to this well 640.00
		20. BLM/BIA Bond No. on file WYB000040
		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 03/05/2012
Title SENIOR PERMIT ANALYST		
Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) Jerry Kenczka	Date JUN 14 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 #132204 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 03/09/2012 (12LBR0263AE)

RECEIVED

JUN 21 2012

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

** BLM REVISED **

UDOGM

11T.V) 0017AG

NIS 9/2/11



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: LC Tribal 13H-24-46
API No: 43-013-51289

Location:
Lease No:
Agreement:

Lot 4, Sec. 19, T4S, R5W
20G0005500
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)***

Additional Stipulations:

- Production Equipment will be painted Beetle Green to help blend into the surrounding vegetation.
- See Exhibit One of the approved EA U&O-FY12-Q2-067 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

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 shall be run from PBTD (Intermediate 7" casing) to TOC.
- Cement for the 7 inch casing will be brought to a minimum of 200 feet above the surface casing shoe.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to 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.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling
 Submitted By Venessa Langmach Phone Number 303-312-8172
 Well Name/Number LC Tribal 13H-24-46
 Qtr/Qtr Lot 4 Section 19 Township 4S Range 5W
 Lease Serial Number 2OG0005500
 API Number 43301351289

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

Date/Time 7/21/2012 8:00 AM PM

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

- Surface Casing
 Intermediate Casing
 Production Casing
 Liner
 Other

Date/Time _____ AM PM

BOPE

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

RECEIVED

JUL 17 2012

DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 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 13H-24-46
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512890000
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: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/28/2012	<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 type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

This well was spud on 7/28/2012 at 1:00 pm by Triple A Drilling.

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

FOR RECORD ONLY

July 31, 2012

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 7/31/2012	

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351289	LC Tribal 13H-24-46		SWSW	19	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18629	7/28/2012			7/31/2012	
Comments: Spudding Operation was conducted by Triple A Drilling @ 1:00 pm. GRRV BHL: S24 R 6W SWSW							

CONFIDENTIAL

Well 2

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

Well 3

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

ACTION CODES:

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

RECEIVED
JUL 31 2012

Venessa Langmacher
 Name (Please Print)
 Venessa Langmacher
 Signature
 Sr Permit Analyst
 Title

7/31/2012
 Date

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 13H-24-46
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512890000
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: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT 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 13H-24-46
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512890000
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: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT 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 05, 2012

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

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 13H-24-46		
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512890000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
No September 2012 monthly drilling activity to report.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 03, 2012			
NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst	
SIGNATURE N/A		DATE 10/2/2012	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22
Submitted By Jeremy Mejorado Phone Number 303-353-5350

Well Name/Number 13H-24-46 LC TRIBAL
Qtr/Qtr Section 19 Township 4S Range 5W
Lease Serial Number _____
API Number 43-013-51289

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
OCT 02 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 10/1/12 3:00 AM PM

Remarks _____

Remarks WE WILL BE CEMENTING AROUND 8:00 AM 10/1/12
PLEASE CALL WITH ANY QUESTIONS OR
CONCERNS

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22
 Submitted By Pat Clark Phone Number 303-353-5350
 Well Name/Number 13H-24-46 LC TRIBAL
 Qtr/Qtr SW/SW Section 19 Township 4S Range 5W
 Lease Serial Number _____
 API Number 43-013-51289

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 10-09-12 05:00 AM PM

BOPE

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

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

Date/Time 10/10/12 6:00 AM PM

Remarks Times are
estimated

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22
Submitted By Lawrence Lorenzen Phone Number 303-353-5350

Well Name/Number 13H-24-46 LC TRIBAL
Qtr/Qtr SW/SW Section 19 Township 4S Range 5W
Lease Serial Number _____
API Number 43-013-51289

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 10-15-12 05:00 AM PM

BOPE

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

RECEIVED

OCT 16 2012

DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks Times are
estimated

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:	
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
October 2012 monthly drilling activity report is attached.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 07, 2012			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 11/7/2012	

**13H-24-46_LC 10/1/2012 06:00 - 10/2/2012 06:00**

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	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	12	RUN CASING & CEMENT	SHUT DOWN WASH LINES & DROP PLUG DISPLACE WITH 137 BBLs DRILLING FLUID - BUMP PLUG - PARTIAL RETURNS DURING JOB 72 BBLs CEMENT TO SURFACE	
06:30	2.00	08:30	13	WAIT ON CEMENT	CEMENT FELL 120'	
08:30	1.50	10:00	12	RUN CASING & CEMENT	RUN 120' 1" PIPE - R/U CEMENTERS & PUMP 15 BBLs 75 SKS 15.8 PPG 1.17 YIELD TOP OUT CEMENT MIXED @ 5.02 GAL/SK - RETURNS TO SURFACE - R/D CEMENTERS	
10:00	4.00	14:00	21	OPEN	R/D CONDUCTOR - CUT OFF CONDUCTOR & WELD ON WELL HEAD	
14:00	1.50	15:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP	
15:30	2.00	17:30	15	TEST B.O.P	R/U TESTER & TEST BOP (LOWER KELLY VALVE, UPPER KELLY VALVE, FOSV, INSIDE BOP, BLIND RAMS & CHOKE MANIFOLD ALL @ 10MIN 5000 PSI HIGH 5 MIN 250 PSI LOW, ANNULAR @ 10 MIN 2500 PSI HIGH 5 MIN 250 PSI LOW, CSG @ 30 MIN 1500 PSI) R/D TESTER	
17:30	0.50	18:00	21	OPEN	SET WEAR BUSHING	
18:00	1.00	19:00	20	DIRECTIONAL WORK	P/U DIR TOOLS	
19:00	2.00	21:00	6	TRIPS	P/U 6" DCs - T.I.H.	
21:00	1.00	22:00	2	DRILL ACTUAL	DRLG CEMENT FLOAT & SHOE W/320 GPM 25 RPM & 5K WT ON BIT	
22:00	0.50	22:30	2	DRILL ACTUAL	W/ 375 GPM 25 RPM & 8K WT ON BIT	
22:30	0.50	23:00	21	OPEN	EMW TEST USING 8.6 PPG MUD - CLOSE ANNULAR PRESSURE UP TO 178 PSI - PRESSURE BLEED OFF TO 82 PSI - EMW=9.5 PPG	
23:00	5.00	04:00	2	DRILL ACTUAL	W/550 GPM 50 RPM & 16K WT ON BIT	
04:00	0.50	04:30	7	LUBRICATE RIG	RIG SERVICE	
04:30	1.50	06:00	2	DRILL ACTUAL	W/ 550 GPM 50 RPM & 16K WT ON BIT	

13H-24-46_LC 10/2/2012 06:00 - 10/3/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	7.50	13:30	2	DRILL ACTUAL	Drill 2546' - 3116', 500 gpm, rop 76 fph.	
13:30	0.50	14:00	5	COND MUD & CIRC	Slow pumps, pump 30 bbl 30% lcm sweep.	
14:00	0.50	14:30	2	DRILL ACTUAL	Drill 3116' - 3160', wob 12-16k, rpm 50/120, 500 gpm, rop 88 fph.	
14:30	2.00	16:30	5	COND MUD & CIRC	Build volume, pump 50 bbl 60 % lcm sweep.	
16:30	1.00	17:30	2	DRILL ACTUAL	Drill 3160' - 3210', wob 12-20k, rpm 50/120, 500 gpm, rop 50 fph.	
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service.	
18:00	10.50	04:30	2	DRILL ACTUAL	Drill 3210' - 3970'. Wob 10-20k, rpm 50/120, 500 gpm, rop 72 fph.	
04:30	0.50	05:00	7	LUBRICATE RIG	Rig service.	
05:00	1.00	06:00	2	DRILL ACTUAL	Drill 3970' - 4033'. wob 20k, rpm 50/120, 500 gpm, rop 63 fph.	

13H-24-46_LC 10/3/2012 06:00 - 10/4/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.00	15:00	2	DRILL ACTUAL	Drill/slide 4033' - 4444'. Wob 20k, rpm 50/120, 500 gpm, rop 46 fph.	
15:00	0.50	15:30	7	LUBRICATE RIG	Rig service. Check com.	
15:30	3.50	19:00	2	DRILL ACTUAL	Drill/slide 4444' - 4633'. Wob 20k, rpm 50/120, 500 gpm, rop 42 fph. Lost circ.	
19:00	3.00	22:00	5	COND MUD & CIRC	Build and spot lcm/diamondseal pill, toh 5 stds, let pill soak.	
22:00	1.00	23:00	2	DRILL ACTUAL	Drill 4633' - 4697'. Lost circ.	
23:00	2.50	01:30	5	COND MUD & CIRC	Spot lcm pill, pull 5 stds.	
01:30	1.00	02:30	2	DRILL ACTUAL	Drill 4697' - 4715'. Motor failed.	
02:30	2.50	05:00	5	COND MUD & CIRC	Build volume, increase lcm to 25%. Spot lcm/diamondseal pill.	
05:00	1.00	06:00	6	TRIPS	Toh.	

**13H-24-46_LC 10/4/2012 06:00 - 10/5/2012 06:00**

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	6	TRIPS	Toh. DP connections tight.
12:00	2.50	14:30	6	TRIPS	Tih.
14:30	2.00	16:30	2	DRILL ACTUAL	Drill/slide 4715' - 4823'. Wob 10-20k, rpm 50/120, 500 gpm, rop 54 fph.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig service.
17:00	11.00	04:00	2	DRILL ACTUAL	Drill/slide 4823' - 5550'. Wob 10-20k, rpm 50/120, 500 gpm, rop 66 fph.
04:00	1.50	05:30	5	COND MUD & CIRC	C&C f/TOH. Spot lcm/diamondseal pill.
05:30	0.50	06:00	6	TRIPS	TOH f/curve tools. Lost 1650 bbls mud today.

13H-24-46_LC 10/5/2012 06:00 - 10/6/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	6	TRIPS	Toh.
11:30	1.00	12:30	20	DIRECTIONAL WORK	L/D dir tools, bit mm.
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service. Bop drill.
13:00	2.00	15:00	20	DIRECTIONAL WORK	P/U dir tools, mm, bit.
15:00	1.50	16:30	6	TRIPS	Tih to shoe. Fill pipe, pressured up.
16:30	2.50	19:00	6	TRIPS	Toh. Check Mud Motor, plugged, damaged. L/D mm.
19:00	1.50	20:30	5	COND MUD & CIRC	Wait on new mm. Build volume.
20:30	1.50	22:00	20	DIRECTIONAL WORK	P/U new mm.
22:00	4.00	02:00	6	TRIPS	Tih, fill @ shoe.
02:00	0.50	02:30	7	LUBRICATE RIG	Rig service.
02:30	3.50	06:00	2	DRILL ACTUAL	Drill/slide 5550' - 5639'. Wob 10-25k, rpm 50/120, 400 gpm, rop 25 fph.

13H-24-46_LC 10/6/2012 06:00 - 10/7/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	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/slide 5639' - 5955'.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service. Bop drill.
18:00	3.50	21:30	2	DRILL ACTUAL	Drill/slide 5955' - 6050'.
21:30	0.50	22:00	7	LUBRICATE RIG	Rig service.
22:00	8.00	06:00	2	DRILL ACTUAL	Drill 6050' - 6272'/5978'. Lost 840 bbls today.

13H-24-46_LC 10/7/2012 06:00 - 10/8/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	Drill 6272' - 6440'. TD build section @ 6440' md, 6003' tvd @ 90.85* inc, 267.5 az, 1467.55' vs.
12:30	1.00	13:30	5	COND MUD & CIRC	C&C, sweep hole.
13:30	0.50	14:00	7	LUBRICATE RIG	Rig service. Check com.
14:00	2.50	16:30	6	TRIPS	ST to 5500'. Had to pump pipe out of hole, circ back in. Rotated past top of Uteland Butte @ 6200'.
16:30	2.50	19:00	5	COND MUD & CIRC	C&C, sweep hole.
19:00	6.50	01:30	6	TRIPS	Toh. L/D dir tools.
01:30	2.00	03:30	6	TRIPS	P/U Reamer assbly(bull nose HO, 1 jt dp, reamer, 1 jt dp, reamer, hwdp) tih to 1278'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
03:30	1.00	04:30	9	CUT OFF DRILL LINE	Slip and cut drill line.
04:30	1.50	06:00	6	TRIPS	Tih

13H-24-46_LC 10/8/2012 06:00 - 10/9/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	6	TRIPS	Tih to top of curve.
07:00	6.50	13:30	3	REAMING	W&R 5550' - 6440'. Encountered ledging @ 6200' to 6350'. Reamed interval until clean, reamed to bottom.
13:30	3.00	16:30	5	COND MUD & CIRC	Pumped weighted sweeps, hole clean.
16:30	10.00	02:30	6	TRIPS	Pull 10 stds to 5500'. Pump slug, Lddp, hwdp. Pull wear bushing.
02:30	2.50	05:00	12	RUN CASING & CEMENT	HSM. R/U Frank's to run 7" csg.
05:00	1.00	06:00	12	RUN CASING & CEMENT	Run 7" csg. Details on next report.

13H-24-46_LC 10/9/2012 06:00 - 10/10/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	12	RUN CASING & CEMENT	Finish running 7", 26#, HCP-110, Ltc csg as follows: FS. 2 jts csg, FC, 143 jts csg(145 total). Land @ 6434' w/LJ and Mandrel.R/D Frank's casers.
18:00	3.00	21:00	5	COND MUD & CIRC	C&C f/cmt.
21:00	2.00	23:00	12	RUN CASING & CEMENT	HSM. R/U HES and cement intermediate as follows: pump 10 bbls H2O, Press test to 5000 psi. pump 40 bbls Superflush, 10 bbls H2O, mix and pump 170 bbls (410 sx) lead cmt @ 11 ppg, 2.33 yld, 10.61 gps. Tail in w/73 bbls(290 sx) cmt @ 13.5 ppg, 1.42 yld, 6.65 gps. Drop top plug, wash pumps and lines on plug, displace w/243 bbls 9 ppg mud. Good returns, no cement to surface. Bump plug with 1750 psi. Bled back 1 bbl, floats held. R/D HES.
23:00	2.00	01:00	21	Set Packoff	Remove LJ & running tool, set pack off.
01:00	3.50	04:30	15	TEST B.O.P	HSM. R/U B&C Quick Test. Test vbr's 250psi/5000 psi f/5 min; test csg to 1500 psi f/30 min
04:30	1.50	06:00	20	DIRECTIONAL WORK	P/U dir tools, M/U bit.

13H-24-46_LC 10/10/2012 06:00 - 10/11/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	6	TRIPS	Tih. Tag cmt @ 6300'.
12:00	1.50	13:30	21	DRILL CMT & FLT EQUIP	Drill cmt & flt equip, clean out rathole to 6440'. FC @ 6342', FS @ 6434'.
13:30	12.00	01:30	2	DRILL ACTUAL	Drill/slide 6440' - 6962'.
01:30	0.50	02:00	7	LUBRICATE RIG	Rig service Bop drill.
02:00	4.00	06:00	2	DRILL ACTUAL	Drill/slide 6962' - 7148'. Spp - 1900 psi, dp - 150 psi, 300 gpm. P/U - 145k, S/O - 75k, Rot - 90k.

13H-24-46_LC 10/11/2012 06:00 - 10/12/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Drill/slide 7148' - 7527'. 379' in 11 hrs 34.5 fph. MW 9.6#/gal 55 vis. survey @ 7466 91.1* 269.2 azi. TVD 5966.79'.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service, function test BOP.
17:30	11.50	05:00	2	DRILL ACTUAL	Drill/slide 7527-7906'. 379' in 11.5 hrs 33 fph. MW 9.6#/gal 52 vis Survey @ 7845 94* inc 270.9 azi TVD 5953.33

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
05:00	0.50	05:30	7	LUBRICATE RIG	Rig service.
05:30	0.50	06:00	2	DRILL ACTUAL	Drill/slide 7906-7938

13H-24-46_LC 10/12/2012 06:00 - 10/13/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drill/slide 7938-8186'. 248'. Survey @ 8034' MD 5943 TVD 93.9* inc 268.3* azi. MW 9.5#/gal 53 vis.
16:00	0.50	16:30	7	LUBRICATE RIG	Rig service, function test BOP
16:30	5.50	22:00	2	DRILL ACTUAL	Drill/slide 8186-8296'. Survey 8129'. MD 5936.32 TVD 93.8* inc. 268.6* azi. MW 9.4#/gal 53 vis. Drlg slowed to 10'/hr Diff spiking and stalling motor.
22:00	1.00	23:00	5	COND MUD & CIRC	Circ clean and pump pill.
23:00	6.00	05:00	6	TRIPS	TOH. Trip was smooth. No tight spots.
05:00	1.00	06:00	20	DIRECTIONAL WORK	Breakout motor & bit. Bit cored out.

13H-24-46_LC 10/13/2012 06:00 - 10/14/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	20	DIRECTIONAL WORK	P/u Security FX64D and fresh 5" motor. Scribe dir tools.
08:00	4.00	12:00	6	TRIPS	TIH filling pipe every 30 stds.
12:00	5.50	17:30	2	DRILL ACTUAL	Drill/slide 8296-8600'. 304' in 5.5 hrs 55 fph. Survey @ 8508MD (5925.03TVD) 90.7* inc, 272 azi. MW 9.4#/gal 52 vis. 300 units background gas.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig sevice, function test BOP
18:00	11.50	05:30	2	DRILL ACTUAL	Drill/slide 8600-9328'. 728' in 11.5 hrs 63 fph. survey @ 9172' MD (5890 TVD) 92.2*inc 267.9* azi. MW 9.5#/gal 54 vis. 2300 units background gas.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service

13H-24-46_LC 10/14/2012 06:00 - 10/15/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Drill/slide 9328-10086'. Survey @ 10025MD (5848TVD) 92.8* inc 268.5 azi, MW 9.7#/gal 53 vis.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig service, function pipe rams
18:00	0.50	18:30	2	DRILL ACTUAL	Drilling to 10165' MD 5844 TVD. Final survey 91.1* inc 266 azi.
18:30	5.00	23:30	5	COND MUD & CIRC	Pump sweeps and circ 3 bottoms up. Shakers clean.
23:30	6.50	06:00	6	TRIPS	Make wiper trip into intermediate csg. Trip back in working tight spot @ 9129'.

13H-24-46_LC 10/15/2012 06:00 - 10/16/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Work thru tight spot. Finish TIH.
06:30	2.00	08:30	5	COND MUD & CIRC	Pump 2 40 bbl hi vis sweeps. Hole clean and in good shape
08:30	4.00	12:30	6	TRIPS	Make wiper trip #2, Pulled smooth and went in smooth did not see previous tight spot.
12:30	2.00	14:30	5	COND MUD & CIRC	Mix and pump 1 High vis sweep. Hole clean. Spot pill with lube and beads in lateral.
14:30	9.50	00:00	6	TRIPS	TOH laying down DP. Slip & cut drlg line. Std back 14 std HWDP 45 std drillpipe to run liner with. L/D BHA.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	6.00	06:00	12	RUN CASING & CEMENT	HSM. Rig up csg crew. P/U completion assembly. 4.5" 11.6# P110 csg with swell packers, frac sleeves etc.

13H-24-46_LC 10/16/2012 06:00 - 10/17/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.50	19:30	12	RUN CASING & CEMENT	P/U Swell packers, frac sleeves and 4.5" 11.6# P110 csg with liner hanger. Fill pipe every 25 jts. Stop @ intermediate shoe and est circ rates & pressures. TIH liner and packer assembly. Land packer assembly @ 10158'. Circulate 3500 gal diesel around packer assembly drop balls and set Liner hanger. Pack off liner hanger. Pressure test annulus to 2000# for 10 min. Held good
19:30	1.00	20:30	5	COND MUD & CIRC	Circulate mud out of hole with water with Cla-web and Alda-cide.
20:30	5.50	02:00	6	TRIPS	TOH LDDP. L/D Baker running tools etc.
02:00	4.00	06:00	14	NIPPLE DOWN B.O.P	N/D BOP and pull wear bushing, Put hole cover on. Pits clean. Rig released @ 0600 10/17/2012

13H-24-46_LC 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
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	LEVEL AROUND WELLHEADS. MAKE FINAL CUT. NU 7" 10K TBG HEAD. PRES TEST VOID.

13H-24-46_LC 10/24/2012 06:00 - 10/25/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	10,165.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	GOP	General Operations	WSI And Secured.
06:00	8.50	14:30	SRIG	Rig Up/Down	Logging 16H-19D-45 LC
14:30	5.25	19:45	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,292', Liner Top Plus 794', 141' Short Of Intermediate. POOH, P/U CBL Tool, RIH To 6,292', Log Up Hole. Cement Excellent From Top Of Liner To 2,900', Ok From There To Surface. Could Not Estimate TOC. Ran WithOut Pressure. Pooh, RD Equipment, MOL.
19:45	10.25	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured

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 13H-24-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U		9. API NUMBER: 43013512890000
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
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: 12/3/2012	<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"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. November 2012 monthly drilling activity report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 03, 2012		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 12/3/2012	

**13H-24-46_LC 11/7/2012 06:00 - 11/8/2012 06:00**

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	2.50	09:30	GOP	General Operations	HSM WITH DELSCO SLK LINE, HES TOOLS, HES PMP. DISCUSS SPOTTING EQUIP. PLACEMENT OF GUAGES, LOCATION ACTIVITY. SPOT EQUIP AND RU SLK LINE. INTALL GUAGES IN MANIFOLD ON FRAC VALVE. TIE IN FOR PMP LINE. INSTALL GUAGES ON WT BARS. HSM ON PROCEEDURES FOR DFIT.
09:30	1.00	10:30	PTST	Pressure Test	PRES TEST SURFACE LINES, LUBE, AND SURFACE GUAGE CAGE TO 9000 PSI. FIX LEAKS AND TEST AGAIN. ALL GOOD.
10:30	0.50	11:00	WLWK	Wireline	RUN IN HOLE WITH DOWNHOLE GUAGES ON SLK LINE TO 5825'. KOP AT 5518', TVD 5844'.
11:00	1.50	12:30	PUMP	Pump Test	OPEN WELL W/ 22 PSI. START PMP AT 1.8 BPM TO 1800 PSI THEN 3.9 BPM AS PRESSURE UP TO SEE P-SLEEVE SHIFT OPEN AT 5825 PSI. BD 1634 PSI AT 3.9 BPM. STAGE TO DFIT PMP 3.9 BPM AT 1461 PSI. PMP TOTAL 2500 GAL 2% KCL. ISIP 1320 PSI, 5 MIN 1072 PSI, 10 MIN 992 PSI, 15 MIN 936 PSI, 30 MIN 828 PSI, 60 MIN 725 PSI. SHUT IN PUMP TRUCK SIDE AND RD HES PMP. LEAVE DELSCO SLK LINE WITH DOWN HOLE GUAGES IN. VALVES LOCKED OUT AND TAGGED. WILL PULL GUAGED 11/10/12.
12:30	17.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CONT MOVE IN AND FILL FRAC LINE.

13H-24-46_LC 11/8/2012 06:00 - 11/9/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	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	WTST	Well Test	DFIT IN PROGRESS.

13H-24-46_LC 11/9/2012 06:00 - 11/10/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	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	WTST	Well Test	HAVE DOWNHOLE DFIT GUAGES STILL IN HOLE WITH SURFACE GUAGES ON FRAC VALVES. SET FRONT SIDE AND BACK SIDE MANIFOLDS

13H-24-46_LC 11/10/2012 06:00 - 11/11/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	SITP 390 PSI. POOH W/ DOWNHOLE DFIT GUAGES. RD DELSCO. TRUCKS HAD PROBLEMS HAULING IN WTR. UP HILL. CONT FILL FRAC LINE. HEAT FRAC LINE.

13H-24-46_LC 11/11/2012 06:00 - 11/12/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	MIRU HES FRAC ON PAD.

**13H-24-46_LC 11/12/2012 06:00 - 11/13/2012 06:00**

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	WAITING ON FRAC

13H-24-46_LC 11/13/2012 06:00 - 11/14/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	17.00	23:00	LOCL	Lock Wellhead & Secure	WSI And Secured.
23:00	3.84	02:50	SRIG	Rig Up/Down	HES Frac Crew Move Over From LC Tribal 16H-19-45 Well. Rig Up Ball Dropper. Run QA On Fluids. Prime Up And Pressure Test To 9000 Psi. Pinnacle W/L Set Up Monitoring Equipment On 15-24D-46.
02:50	0.25	03:05	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
03:05	1.42	04:30	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16 Open Well, 300 Psi. ICP. Pump In At 24.7 Bpm And 3,561 Psi.. Stage Into .5# 100 Mesh Linear, 45.7 Bpm At 6,342 Psi.. On Perfs, 51.7 Bpm At 4,799 Psi., 10,056 Gals. Stage Into 1.0# 100 Mesh, 51.7 Bpm At 4,735 Psi.. On Perfs, 51.5 Bpm At 4,975 Psi., 19,766 Gals. Stage Into 1.5# 20/40 White Prop, 51.5 Bpm At 5,127 Psi.. On Perfs, 51.5 Bpm At 4,846 Psi., 10,039 Gals. Stage Into 2.0# 20/40 White Prop, 51.5 Bpm At 4,828 Psi.. On Perfs, 51.4 Bpm At 4,793 Psi., 15,052 Gals. Stage Into 2.5# 20/40 White Prop, 51.4 Bpm At 4,799 Psi.. On Perfs, 51.3 Bpm At 4,827 Psi., 24,376 Gals. Stage Into 3.0# 20/40 White Prop, 51.3 Bpm At 4,904 Psi.. On Perfs, 51.3 Bpm At 4,904 Psi., 13,922 Gals. Stage Into Flush, Pump 800 Gals., Drop 2.125" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 2 DSS At 3,518 Psi.. Bring Rate Up To 25 Bpm For 1000 Gals.. 100 Mesh - 24,800# Total 20/40 White - 139,000# Total Clean - 102,246 Gals.. 2,434 Bbls.. BWTR - 2,619 Bbls. Max. Rate - 51.6 Bpm Avg. Rate - 50.8 Bpm Max. Psi. - 6,348 Psi. Avg. Psi. - 4,980 Psi.</p>
04:30	1.50	06:00	FRAC	Frac. Job	<p>Get ISIP, 691 Psi.. 0.56 Psi./Ft. F.G.. Frac Stage 2. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 25.7 Bpm At 2,800 Psi.. On Perfs, 25.7 Bpm At 2,838 Psi., 10,747 Gals. Stage Into 1.0# 100 Mesh, 47.0 Bpm At 4,265 Psi.. On Perfs, 50.4 Bpm At 4,906 Psi., 18,147 Gals. Stage Into 1.5# 20/40 White Prop, 50.6 Bpm At 4,379 Psi.. On Perfs, 50.3 Bpm At 4,257 Psi., 10,761 Gals. Stage Into 2.0# 20/40 White Prop, 50.3 Bpm At 4,287 Psi.. On Perfs, 50.3 Bpm At 4,295 Psi., 14,735 Gals. Stage Into 2.5# 20/40 White Prop, 50.5 Bpm At 4,243 Psi.. On Perfs, 50.3 Bpm At 4,698 Psi., 35,741 Gals. Did Not Stage Into 3.0# Stage. Extended 2.5# Stage Stage Into Flush, Pump 800 Gals., Drop 2.250" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 3 DSS At 4,520 Psi.. Bring Rate Up To 25 Bpm For 1,000 Gallons. 100 Mesh - 25,000# Total 20/40 White - 128,900# Total Clean - 98,369 Gals.. 2,342 Bbls.. BWTR - 2,342 Bbls. Max. Rate - 50.4 Bpm Avg. Rate - 41.4 Bpm Max. Psi. - 4,920 Psi. Avg. Psi. - 3,839 Psi.</p>



13H-24-46_LC 11/14/2012 06:00 - 11/15/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	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	FRAC	Frac. Job	<p>Get ISIP, 1129 Psi.. 0.63 Psi./Ft. F.G..</p> <p>Frac Stage #3. Fluid System: Hybor G 16, Tag sand with RA Tracer. Pump into 25 bpm at 2992 psi. Stage Into .5# 100 Mesh Linear, 25.1 Bpm At 2,861 Psi.. On Perfs, 25.2 Bpm At 2,874 Psi., 10,018 Gals. Stage Into 1.0# 100 Mesh, 50.3 Bpm At 5,049 Psi.. On Perfs, 50.4 Bpm At 4,937 Psi., 20,661 Gals. Stage Into 1.5# 20/40 White Prop, 50.4 Bpm At 4,753 Psi.. On Perfs, 50.4 Bpm At 4,569 Psi., 10,286 Gals. Stage Into 2.0# 20/40 White Prop, 50.4 Bpm At 4,551 Psi.. On Perfs, 50.3 Bpm At 4,564 Psi., 14,707 Gals. Stage Into 2.5# 20/40 White Prop, 50.3 Bpm At 4,589 Psi.. On Perfs, 50.3 Bpm At 4,421 Psi., 40,821 Gals. Did Not Stage Into 3.0# Stage. Extended 2.5# Stage for Sand volumes. 4000 gal extend 50.1 Bpm at 4860 Psi, End 50.1 Bpm at 4937 Psi Stage Into Flush, then Pump 800 Gals., Drop 2.375" Ball for Stg 4, Rate 9 Bpm 40 Bbls. From Sleeve. Shift Stage 4 DSS At 4,721 Psi.. Bring Rate Up To 25 Bpm For 4,200 Gallons for BD on Stage #4.. 100 Mesh - 25,600# Total 20/40 White - 142,600# Total Prop 168,200# Total Clean - 112,235 Gals.. 2,672 Bbls.. BWTR - 2,672 Bbls. Max. Rate - 50.5 Bpm Avg. Rate - 45.7 Bpm Max. Psi. - 5,057 Psi. Avg. Psi. - 4,385 Psi.</p>	
08:30	2.50	11:00	FRAC	Frac. Job	<p>Pump flush on Stg #3 plus 800 gal. Drop 2.375" ball. Slow Rate after 4255 Gal Behind ball. Seat ball and Shift open Sleeve at 4,721 psi. Pump 4200 Gal for BD. Get ISIP, 1129 Psi.. 0.63 Psi./Ft. F.G..</p> <p>Frac Stage #4. Fluid System: Hybor G 16, Pump into 25.1 bpm at 2706 psi. Stage Into .5# 100 Mesh Linear, 50.0 Bpm At 4,498 Psi.. On Perfs, 50.0 Bpm At 4,757 Psi., 11,156 Gals. Stage Into 1.0# 100 Mesh, 50.0 Bpm At 4,861 Psi.. On Perfs, 50.0 Bpm At 4,823 Psi., 20,712 Gals. Stage Into 1.5# 20/40 White Prop, 49.9 Bpm At 4,791 Psi.. On Perfs, 50.0 Bpm At 4,680 Psi., 11,113 Gals. Stage Into 2.0# 20/40 White Prop, 50.0 Bpm At 4,579 Psi.. On Perfs, 50.0 Bpm At 4,586 Psi., 15,288 Gals. Stage Into 2.5# 20/40 White Prop, 49.9 Bpm At 4,512 Psi.. On Perfs, 50.0 Bpm At 4,540 Psi., 25,918 Gals. Stage Into 3.0# 20/40 White Prop. 49.8 Bpm at 4691 Psi. On Perfs 49.9 Bpm at 4671 Psi, End 50.1 Bpm at 4937 Psi Stage Into Flush, then Pump 800 Gals., Drop 2.500" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 5 DSS At 4850 Psi..</p> <p>100 Mesh - 26,880# Total 20/40 White - 141,220# Total Clean - 148,544 Gals.. 3536 Bbls.. BWTR - 3536 Bbls. Max. Rate - 50.1 Bpm Avg. Rate - 49.8 Bpm Max. Psi. - 4,883 Psi. Avg. Psi. - 4,518 Psi.</p>	



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
11:00	1.50	12:30	FRAC	Frac. Job	<p>Pump flush on Stg #4 plus 800 gal. Drop 2.500" ball. Slow Rate after 4255 Gal Behind ball. Seat ball and Shift open Sleeve at 4,721 psi. Pump 4200 Gal for BD. Get ISIP, 2538 Psi.. 0.87 Psi./Ft. F.G..</p> <p>Frac Stage #5. Fluid System: Hybor G 16, Pump into 48.7 bpm at 4798 psi. Stage Into .5# 100 Mesh Linear, 50.5 Bpm At 5,020 Psi.. On Perfs, 50.6 Bpm At 5,260 Psi., 11,200 Gals. Stage Into 1.0# 100 Mesh, 50.4 Bpm At 5,565 Psi.. On Perfs, 50.5 Bpm At 5,611 Psi., 20,884 Gals. Stage Into 1.5# 20/40 White Prop, 50.5 Bpm At 5,280 Psi.. On Perfs, 50.5 Bpm At 5,016 Psi., 9,989 Gals. Stage Into 2.0# 20/40 White Prop, 50.4 Bpm At 4,874 Psi.. On Perfs, 50.4 Bpm At 4,780 Psi., 14,928 Gals. Stage Into 2.5# 20/40 White Prop, 50.3 Bpm At 4,800 Psi.. On Perfs, 50.3 Bpm At 4,829 Psi.. Pressure Climbing.Extend 2.5#, 50.2 Bpm at 5128 Psi. 41,012 Gals. Stage Into Flush, then Pump 800 Gals., Drop 2.625" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 6 DSS At 4,721 Psi..</p> <p>100 Mesh - 25,920# Total 20/40 White - 142,910# Total Clean - 98,348 Gals.. 2342 Bbls.. BWTR - 2342 Bbls. Max. Rate - 56.3 Bpm Avg. Rate - 49.4 Bpm Max. Psi. - 5,625 Psi. Avg. Psi. - 5,005 Psi.</p>
12:30	1.50	14:00	FRAC	Frac. Job	<p>Pump flush on Stg #5 Drop 2.625" ball. Slow Rate after 3874 Gal Behind ball. Seat ball and Shift open Sleeve at 5500 psi. Get ISIP, 2177 Psi.. 0.81 Psi./Ft. F.G..</p> <p>Frac Stage #6. Fluid System: Hybor G 16, Tag Stg with RA Tracer. Stage Into .5# 100 Mesh Linear, 50.6 Bpm At 4,663 Psi.. On Perfs, 50.5 Bpm At 4,930 Psi., 9123 Gals. Stage Into 1.0# 100 Mesh, 50.5 Bpm At 4,555 Psi.. On Perfs, 50.6 Bpm At 4,417 Psi., 21,173 Gals. Stage Into 1.5# 20/40 White Prop, 50.5 Bpm At 4,203 Psi.. On Perfs, 50.5 Bpm At 4,034 Psi., 11,034 Gals. Stage Into 2.0# 20/40 White Prop, 50.2 Bpm At 3,979 Psi.. On Perfs, 50.5 Bpm At 3,959 Psi.,13,396 Gals. Stage Into 2.5# 20/40 White Prop, 50.5 Bpm At 3,928 Psi.. On Perfs, 49,7 Bpm At 3,943 Psi., 26,613 Gals Stage Into 3# 20/40 White Prop, 50.5 Bpm At 3,983 Psi.. On Perfs, 50.4 Bpm At 3,966 Psi., 11,774 Gals. Stage Into Flush, then Pump 800 Gals., Drop 2.750" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 7 DSS At 4,596 Psi..</p> <p>100 Mesh - 27,080# Total 20/40 White - 141,220# Total Clean - 90,589 Gals.. 2156 Bbls.. BWTR - 2556 Bbls. Max. Rate - 52.3 Bpm Avg. Rate - 50.4 Bpm Max. Psi. - 4,951 Psi. Avg. Psi. - 4,098 Psi.</p>



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
14:00	2.00	16:00	FRAC	Frac. Job	<p>Seat ball and Shift open Sleeve 7 at 4596 psi. Get ISIP, 1,555 Psi.. 0.70 Psi./Ft. F.G..</p> <p>Frac Stage #7. Fluid System: Hybor G 16, Stage Into .5# 100 Mesh, 50.7 Bpm At 3,778 Psi.. On Perfs, 50.6 Bpm At 4,240 Psi., 10,016 Gals. Stage Into 1.0# 100 Mesh, 50.6 Bpm At 4,324 Psi.. On Perfs, 50.6 Bpm At 4,360 Psi., 20,699 Gals. Stage Into 1.5# 20/40 White Prop, 50.5 Bpm At 4,349 Psi.. On Perfs, 50.5 Bpm At 4,157 Psi., 10,008 Gals. Stage Into 2.0# 20/40 White Prop, 50.5 Bpm At 4,072 Psi.. On Perfs, 50.3 Bpm At 3,892 Psi., 15,035 Gals. Stage Into 2.5# 20/40 White Prop, 50.3 Bpm At 3,719 Psi.. On Perfs, 50.3 Bpm At 3,841 Psi., 26,704 Gals Stage Into 3# 20/40 White Prop, 50.4 Bpm At 3,943 Psi.. On Perfs, 50.3 Bpm At 3,973 Psi., 10,091 Gals. Stage Into Flush, then Pump 800 Gals., Drop 2.875" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 8 DSS At 4,990 Psi..</p> <p>100 Mesh - 25,810# Total 20/40 White - 141,290# Total Clean - 90,878 Gals.. 2163 Bbls.. BWTR - 2575 Bbls. Max. Rate - 50.8 Bpm Avg. Rate - 49.7 Bpm Max. Psi. - 4,395 Psi. Avg. Psi. - 4,004 Psi.</p> <p>Run out of CL-31.</p>
16:00	2.75	18:45	FRAC	Frac. Job	<p>Seat ball and Shift open Sleeve 8 at 4596 psi. Get ISIP, 2,301 Psi.. 0.83 Psi./Ft. F.G.. Wait On CL-31 After .5# And 1# 100 Mesh.Swap Out Consultants. Start With 1# 100 Mesh For 10,000 Gallons.</p> <p>Frac Stage 8. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 45.7 Bpm At 6,342 Psi.. On Perfs, 51.7 Bpm At 4,799 Psi., 10,026 Gals. Stage Into 1.0# 100 Mesh, 51.7 Bpm At 4,735 Psi.. On Perfs, 51.5 Bpm At 4,975 Psi., 27,488 Gals. Stage Into 1.0# 100 Mesh, 49.4 Bpm At 4,839 Psi.. On Perfs, 50.4 Bpm At 4,944 Psi., 10,028 Gals. Stage Into 1.5# 20/40 White Prop, 50.5 Bpm At 4,443 Psi.. On Perfs, 50.5 Bpm At 4,178 Psi., 10,003 Gals. Stage Into 2.0# 20/40 White Prop, 50.6 Bpm At 3,942 Psi.. On Perfs, 50.6 Bpm At 3,827 Psi., 15,024 Gals. Stage Into 2.5# 20/40 White Prop, 50.4 Bpm At 3,789 Psi.. On Perfs, 50.6 Bpm At 3,630 Psi., 27,155 Gals. Stage Into 3.0# 20/40 White Prop, 50.6 Bpm At 3,771 Psi.. On Perfs, 50.5 Bpm At 3,740 Psi., 12,650 Gals. Stage Into Flush, Pump 800 Gals., Drop 3.000" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 9 DSS At 4,636 Psi.. 100 Mesh - 35,500# Total 20/40 White - 142,900# Total Clean - 122,178 Gals.. 2,909 Bbls.. BWTR - 3,113 Bbls. Max. Rate - 50.6 Bpm Avg. Rate - 49.0 Bpm Max. Psi. - 5,989 Psi. Avg. Psi. - 4,679 Psi.</p>



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
18:45	1.50	20:15	FRAC	Frac. Job	<p>Get ISIP, 1,272 Psi.. 0.65 Psi./Ft. F.G.. ICP - 935 Psi.. Frac Stage 9. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 25.3 Bpm At 2,484 Psi.. On Perfs, 25.2 Bpm At 2,750 Psi., 9,913 Gals. Stage Into 1.0# 100 Mesh, 45.8 Bpm At 3,583 Psi.. On Perfs, 49.8 Bpm At 3,921 Psi., 20,955 Gals. Stage Into 1.5# 20/40 White Prop, 49.8 Bpm At 3,996 Psi.. On Perfs, 49.7 Bpm At 3,851 Psi., 10,739 Gals. Stage Into 2.0# 20/40 White Prop, 49.7 Bpm At 3,803 Psi.. On Perfs, 49.7 Bpm At 3,784 Psi., 15,027 Gals. Stage Into 2.5# 20/40 White Prop, 49.7 Bpm At 3,788 Psi.. On Perfs, 49.6 Bpm At 3,761 Psi., 27,392 Gals. Stage Into 3.0# 20/40 White Prop, 49.6 Bpm At 3,905 Psi.. On Perfs, 49.5 Bpm At 3,894 Psi., 11,819 Gals. Stage Into Flush, Pump 800 Gals., Drop 3.125" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 10 DSS At 5,056 Psi.. 100 Mesh - 26,000# Total 20/40 White - 142,600# Total Clean - 101,820 Gals.. 2,424 Bbls.. BWTR - 2,626 Bbls. Max. Rate - 49.7 Bpm Avg. Rate - 45.1 Bpm Max. Psi. - 4,048 Psi. Avg. Psi. - 3,750 Psi.</p>
20:15	1.50	21:45	FRAC	Frac. Job	<p>Get ISIP, 2,206 Psi.. 0.81 Psi./Ft. F.G.. ICP - 1,856 Psi.. Frac Stage 10. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 25.2 Bpm At 2,882 Psi.. On Perfs, 25.2 Bpm At 3,056 Psi., 9,964 Gals. Stage Into 1.0# 100 Mesh, 43.4 Bpm At 3,848 Psi.. On Perfs, 51.1 Bpm At 4,134 Psi., 21,069 Gals. Stage Into 1.5# 20/40 White Prop, 50.1 Bpm At 4,148 Psi.. On Perfs, 50.1 Bpm At 3,936 Psi., 10,013 Gals. Stage Into 2.0# 20/40 White Prop, 50.1 Bpm At 3,900 Psi.. On Perfs, 50.1 Bpm At 3,851 Psi., 15,056 Gals. Stage Into 2.5# 20/40 White Prop, 50.0 Bpm At 3,923 Psi.. On Perfs, 50.0 Bpm At 3,932 Psi., 27,576 Gals. Stage Into 3.0# 20/40 White Prop, 50.0 Bpm At 4,050 Psi.. On Perfs, 49.1 Bpm At 4,017 Psi., 10,697 Gals. Stage Into Flush, Pump 800 Gals., Drop 3.250" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 11 DSS At 5,170 Psi.. 100 Mesh - 26,100# Total 20/40 White - 142,400# Total Clean - 101,464 Gals.. 2,416 Bbls.. BWTR - 2,619 Bbls. Max. Rate - 50.1 Bpm Avg. Rate - 45.9 Bpm Max. Psi. - 4,327 Psi. Avg. Psi. - 4,081 Psi.</p>



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
21:45	1.59	23:20	FRAC	Frac. Job	<p>Get ISIP, 2,118 Psi.. 0.80 Psi./Ft. F.G.. ICP - 1,772 Psi.. Frac Stage 11. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 25.3 Bpm At 3,425 Psi.. On Perfs, 25.2 Bpm At 3,502 Psi., 10,024 Gals. Stage Into 1.0# 100 Mesh, 49.0 Bpm At 4,796 Psi.. On Perfs, 50.2 Bpm At 4,231 Psi., 21,215 Gals. Stage Into 1.5# 20/40 White Prop, 50.2 Bpm At 3,917 Psi.. On Perfs, 50.2 Bpm At 3,752 Psi., 10,023 Gals. Stage Into 2.0# 20/40 White Prop, 50.2 Bpm At 3,713 Psi.. On Perfs, 50.2 Bpm At 3,661 Psi., 15,040 Gals. Stage Into 2.5# 20/40 White Prop, 50.2 Bpm At 3,652 Psi.. On Perfs, 50.1 Bpm At 3,612 Psi., 28,034 Gals. Stage Into 3.0# 20/40 White Prop, 45.6 Bpm At 3,433 Psi.. On Perfs, 44.9 Bpm At 3,401 Psi., 11,524 Gals. Stage Into Flush, Pump 800 Gals., Drop 3.375" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 12 DSS At 4,790 Psi.. 100 Mesh - 26,300# Total 20/40 White - 142,800# Total Clean - 101,085 Gals.. 2,407 Bbls.. BWTR - 2,608 Bbls. Max. Rate - 50.2 Bpm Avg. Rate - 45.3 Bpm Max. Psi. - 4,994 Psi. Avg. Psi. - 4,128 Psi.</p>
23:20	1.25	00:35	FRAC	Frac. Job	<p>Get ISIP, 1,543 Psi.. 0.70 Psi./Ft. F.G.. ICP - 935 Psi.. Frac Stage 12. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 25.5 Bpm At 2,608 Psi.. On Perfs, 25.2 Bpm At 2,725 Psi., 10,034 Gals. Stage Into 1.0# 100 Mesh, 50.2 Bpm At 4,049 Psi.. On Perfs, 50.1 Bpm At 3,883 Psi., 17,716 Gals. Stage Into 1.5# 20/40 White Prop, 50.2 Bpm At 3,911 Psi.. On Perfs, 50.1 Bpm At 3,769 Psi., 10,017 Gals. Stage Into 2.0# 20/40 White Prop, 50.1 Bpm At 3,679 Psi.. On Perfs, 50.1 Bpm At 3,784 Psi., 15,046 Gals. Stage Into 2.5# 20/40 White Prop, 50.1 Bpm At 3,640 Psi.. On Perfs, 50.0 Bpm At 3,600 Psi., 19,267 Gals. Stage Into 3.0# 20/40 White Prop, 50.0 Bpm At 3,720 Psi.. On Perfs, 50.0 Bpm At 3,622 Psi., 11,143 Gals. Stage Into Flush, Pump 800 Gals., Drop 3.500" Ball, Drop Rate To 9 Bpm 40 Bbls. From Sleeve. Shift Stage 13 DSS At 4,983 Psi.. 100 Mesh - 22,800# Total 20/40 White - 120,300# Total Clean - 88,391 Gals.. 2,105 Bbls.. BWTR - 2,271 Bbls. Max. Rate - 50.1 Bpm Avg. Rate - 46.0 Bpm Max. Psi. - 4,105 Psi. Avg. Psi. - 3,879 Psi.</p>



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
00:35	0.92	01:30	FRAC	Frac. Job	Get ISIP, 2,525 Psi.. 0.86 Psi./Ft. F.G.. ICP - 2,100 Psi.. Frac Stage 13. Fluid System: Hybor G 16 Stage Into .5# 100 Mesh Linear, 24.6 Bpm At 3,713 Psi.. On Perfs, 24.1 Bpm At 3,513 Psi., 10,028 Gals. Stage Into 1.0# 100 Mesh, 46.8 Bpm At 4,109 Psi.. On Perfs, 49.7 Bpm At 4,296 Psi., 17,710 Gals. Stage Into 1.5# 20/40 White Prop, 49.9 Bpm At 3,956 Psi.. On Perfs, 49.8 Bpm At 3,769 Psi., 10,007 Gals. Stage Into 2.0# 20/40 White Prop, 49.8 Bpm At 3,765 Psi.. On Perfs, 49.8 Bpm At 3,752 Psi., 15,041 Gals. Stage Into 2.5# 20/40 White Prop, 49.8 Bpm At 3,867 Psi.. On Perfs, 49.7 Bpm At 3,941 Psi., 19,235 Gals. Stage Into 3.0# 20/40 White Prop, 49.5 Bpm At 4,412 Psi.. On Perfs, 49.4 Bpm At 4,720 Psi., 10,065 Gals. Stage Into Flush, Flush To Sleeve At 6,553' Plus 630 Gals.. ISDP - 3,237 Psi.. 0.98 Psi./Ft. F.G.. 100 Mesh - 22,700# Total 20/40 White - 119,800# Total Clean - 87,344 Gals.. 2,080 Bbls.. BWTR - 2,248 Bbls. Max. Rate - 49.8 Bpm Avg. Rate - 45.1 Bpm Max. Psi. - 5,217 Psi. Avg. Psi. - 4,269 Psi.	
01:30	2.50	04:00	SRIG	Rig Up/Down	WSI And Secured. Clean Up Equipment. Move Over To 13-19D-45 LC Tribal.	
04:00	2.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.	

13H-24-46_LC 11/15/2012 06:00 - 11/16/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,165.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	25.00	07:00	GOP	General Operations	WELL SHUT IN AS FRAC 13-19D-45	

13H-24-46_LC 11/16/2012 06:00 - 11/17/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,165.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	7.00	13:00	GOP	General Operations	WELL SHUT IN AS RDMO HES. RU 5K SAND TRAP AND 10K CHOKE MANIFOLD.	
13:00	17.00	06:00	FBCK	Flowback Well	SIP 1000#. OPEN WELL TO FLOW ON 20/64" CHOKE. CONTROL CHOKE TO FLOW 1 BPM. TURN OVER TO FBC.	

13H-24-46_LC 11/17/2012 06:00 - 11/18/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,165.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	FBCK	Flowback Well	WELL ON FLOW BACK WAITING FOR COIL TBG TO D/O	

13H-24-46_LC 11/18/2012 06:00 - 11/19/2012 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013512890000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	10,165.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	4.50	10:30	FBCK	Flowback Well	WELL FLOWING TO FBT WAITING ON COIL.	



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
10:30	1.50	12:00	SRIG	Rig Up/Down	HSM. MOVE AND NU COIL STACK. MOVE COIL UNIT OVER AND SPOT. MU DRLG BHA OF 3-3/4" MILL, MOTOR, GF DRIVER, DUAL CIRC SUB, HYD DISCONNECT, BI-DI JAR, DUAL FLAPPER, COILE CONNECTOR. PULL UP INTO LUBE AND MU LUBE. PRES TEST STACK TO 5000#. EQUALIZE AND OPEN WELL WITH 100 PSI.
12:00	1.00	13:00	TRIP	Tripping	EST CIRC AS RIH WITH RETURNS TO FB TANKS.
13:00	4.00	17:00	DOPG	Drill Out Plugs	DRL OUT BAKER STIM SLEEVES- BEGIN FCP 250 PSI, PMP 3 BPM. RETURN 3.5 BPM. SLEEVE #1 AT 6553'. D/O IN 10 MIN. FCP 250 PSI. PMP 3 BPM. RETURN 3 BPM. SLEEVE #2 AT 6756'. D/O IN 25 MIN. FCP 250 PSI. PMP 3 BPM, RETURN 3 BPM. TAG SAND AT 7000' SLEEVE #3 AT 7048'. D/O IN 25 MIN. FCP 300 PSI. PMP 3 BPM, RETURN 3 BPM. TAG SAND AT 7066'. SLEEVE #4 AT 7340'. D/O IN 35 MIN. FCP 250 PSI. PMP 3 BPM, RETURN 3 BPM. SLEEVE #5 AT 7632'. ATTEMPTED TO D/O SLEEVE FOR 1:30 HR, KEPT STALLING. HAD 25 STALLS AND CYCLES ON TBG. PUMP SWEEP.
17:00	2.50	19:30	TRIP	Tripping	POOH TO CUT OFF COIL AND CHANGE OUT MILLS.
19:30	2.00	21:30	TRIP	Tripping	P/U 3.70" MILL. PULL UP INTO LUBE AND MU LUBE. PRES TEST STACK TO 5000#. EQUALIZE AND OPEN WELL WITH 100 PSI. EST CIRC AS RIH WITH RETURNS TO FB TANKS.
21:30	7.00	04:30	DOPG	Drill Out Plugs	DRL OUT BAKER STIM SLEEVES- BEGIN FCP 250 PSI, PMP 2.7 BPM. RETURN 3.5 BPM. SLEEVE #5 AT 7924'. D/O IN 1 MIN. FCP 475 PSI. PMP 2.7 BPM. RETURN 3.5 BPM. SLEEVE #6 AT 7632'. D/O IN 49 MIN. FCP 250 PSI. PMP 2.7 BPM. RETURN 3.5 BPM. SLEEVE #7 AT 8216'. D/O IN 23 MIN. FCP 500 PSI. PMP 2.7 BPM. RETURN 3.5 BPM. SLEEVE #8 AT 8508'. D/O IN 35 MIN. FCP 500 PSI. PMP 2.7 BPM. RETURN 3.5 BPM. SHORT TRIP TO LINER TOP @ 5498. PUMPED 20 BBL SWEEP. SLEEVE #9 AT 8800'. D/O IN 9 MIN. FCP 550 PSI. PMP 2.8 BPM. RETURN 3.5 BPM. ATTEMPT TO D/O SLEEVE #10 AT 9092'. NO TORQUE. MAKING NO HOLE. MILLED FOR 2 HRS,
04:30	1.50	06:00	TRIP	Tripping	START POOH W/ BHA.

13H-24-46_LC 11/19/2012 06:00 - 11/20/2012 06:00

API/UWI 43013512890000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 10,165.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.84	08:50	LOCL	Lock Wellhead & Secure	Wait On New Mill. WSI And Secured. Install 3.700" STI Cyclone Mill On BHA As Follows: STI Xert Motor 7/8" 3.6 Stage, GF Driver, Dual Circ. Sub 5/8" Ball 3600# Shear, "TJ" Hydraulic Disconnect 3/4" Ball, 4200# Shear, Bi Directional Jar, Dual Flapper Check. Pull Test Coil Connector to 25,000#, Pressure Test To 3000 Psi.. Pressure Tested Injector And Lubricator To 4500 Psi., Hold Safety Meeting. RIH With Coil And BHA,
08:50	2.50	11:20	TRIP	Tripping	TIH With Coil. Tagged Up On Sleeve At 7,924', Had To Mill Thru. Well Flowing 3.5 Bpm At 500 Psi..

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:20	5.08	16:25	CLN	Clean Out Hole	Tag Sleeve #10 At 9,092', 3.5 Bpm Returns, 500 Psi.. Went Right On Thru. Pump 10 Bbl. Sweep. Tag Sleeve #11 At 9,384'. 3.5 Bpm Returns, 500 Psi.. DrillOut In 50 Min., 3.5 Bpm Returns, 500 Psi.. Pump 10 Bbl. Sweep. Tag Sleeve #12 At 9,673'. 3.5 Bpm Returns, 500 Psi.. DrillOut In 185 Min., 3.5 Bpm Returns, 500 Psi.. Pump 20 Bbl. Sweep. TIH To Solid Sleeve, Pump 2 40 Bbl. Sweeps, Circulate Bottoms Up.
16:25	3.00	19:25	TRIP	Tripping	Pump 2 - 40 Bbl. Sweeps, Circulate Bottoms Up. TOOH With Coil.
19:25	0.83	20:15	ASSM	Install New Downhole Assembly	WSI And Secured, LayDown BHA, Pick Up Tracer Log Tool. Nipple Up To Well, Pressure Test To 3,000#, Equalize To Pressure.
20:15	6.50	02:45	LOGG	Logging	TIH With Tracer Log, Log Thru Sleeves Down, Log Thru Sleeves Up. Log Interval 5,700 - 9,900'. Flowed Well With 2-3 Bpm Returns ThroughOut.
02:45	2.25	05:00	SRIG	Rig Up/Down	Blow Reel Dry With N2. WSI And Secured. LayDown Logging Tools. RigDown CTS Coil Equipment, MOL.
05:00	1.00	06:00	FBCK	Flowback Well	Well Flowing To FlowBack

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
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 13H-24-46	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512890000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W 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: 11/23/2012 <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 <input type="checkbox"/> APD EXTENSION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well had first gas sales on 11/22/2012 and first oil sales on 11/23/2012.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 20, 2012		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 12/11/2012	

CONFIDENTIAL

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. 20G0005500

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. LC TRIBAL 13H-24-46

9. API Well No. 43-013-51289

10. Field and Pool, or Exploratory ALTAMONT

11. Sec., T., R., M., or Block and Survey or Area Sec 19 T4S R5W Mer UBM

12. County or Parish DUCHESNE 13. State UT

14. Date Spudded 07/28/2012 15. Date T.D. Reached 10/14/2012 16. Date Completed D & A Ready to Prod. 11/22/2012 17. Elevations (DF, KB, RT, GL)* 6744 GL

18. Total Depth: MD 10165 TVD 5844 19. Plug Back T.D.: MD 10113 TVD 5844 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, MUD, TEMP 22. Was well cored? No Yes (Submit analysis) Was DST run? No Yes (Submit analysis) Directional Survey? No Yes (Submit analysis)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	36.0	0	80	80			0	
12.250	9.625 J-55	36.0	0	1817	1802	495	205	0	
8.750	7.000 P-110	26.0	0	6440	6434	700	243	650	
6.125	4.500 P-110	11.6	0	10165	10160				

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Prf. Status
A) UTELAND BUTTE	6553	9962	6553 TO 9962			SLOTTED SLEEVES
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6553 TO 9962	UTE LAND BUTTE: SEE TREATMENT STAGES 1-13

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
11/22/2012	11/23/2012	24	→	286.0	47.0	814.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	SI	200.0	→	286	47	814	164	POW	

28a. Production - Interval B

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

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #165972 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

RECEIVED
DEC 17 2012

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Mcas. Depth
				GREEN RIVER	2062
				MAHOGANY	2808
				DOUGLAS CREEK	4805
				BLACK SHALE	5590
				CASTLE PEAK	5765
				UTELAND BUTTE	6193
				TD	10165

32. Additional remarks (include plugging procedure):

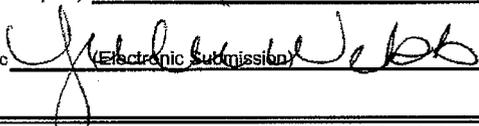
TOC was calculated by CBL. CBL and Temp log mailed due to file size. Conductor was cemented with grout. Treatment data is attached. Tubing has not been set. This well had first gas sales on 11/22/2012 and first oil sales on 11/23/2012. Production liner was not cemented. Stimulation Sleeves were used to complete wells, attached is swell packer and stimulation sleeve placement data.

33. Circle enclosed attachments:

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

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

Electronic Submission #165972 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) JULIE WEBB Title PERMIT ANALYST
 Signature  Date 12/17/2012
(Electronic Submission)

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 ****

13H-24-46 LC Tribal 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 CRC Sand</u>
1	2611	123900
2	2521	112600
3	2853	127000
4	2884	123660
5	2762	127860
6	2737	123730
7	2755	123080
8	2481	127950
9	2605	126400
10	2597	127300
11	2589	127800
12	2259	105300
13	2233	104800

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



Bill Barrett Corporation

Bill Barrett Corp. (II)

Duchesne Co., UT (NAD27)

Sec.19-T4S-R5W

LC Tribal #13H-24-46

Wellbore #1

Survey: Survey #1

Standard Survey Report

19 October, 2012

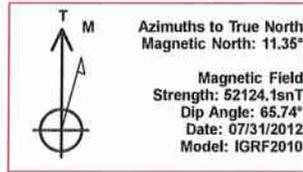




Bill Barrett Corp. (II)
 Project: Duchesne Co., UT (NAD27)
 Site: Sec.19-T4S-R5W
 Well: LC Tribal #13H-24-46
 Wellbore: Wellbore #1
 Design: OH
 Lat: 40° 6' 46.14 N
 Long: 110° 29' 56.66 W
 Pad GL: 6744.01
 KB: WELL @ 6766.01ft

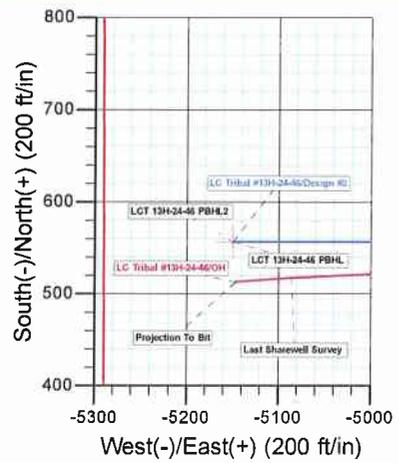
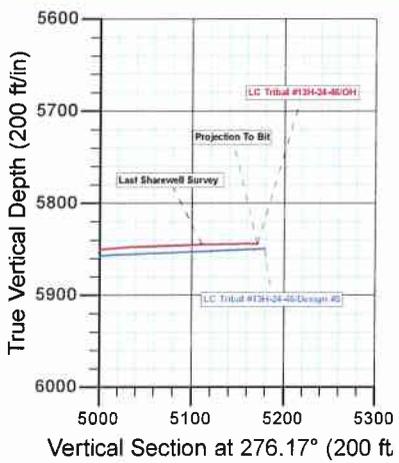
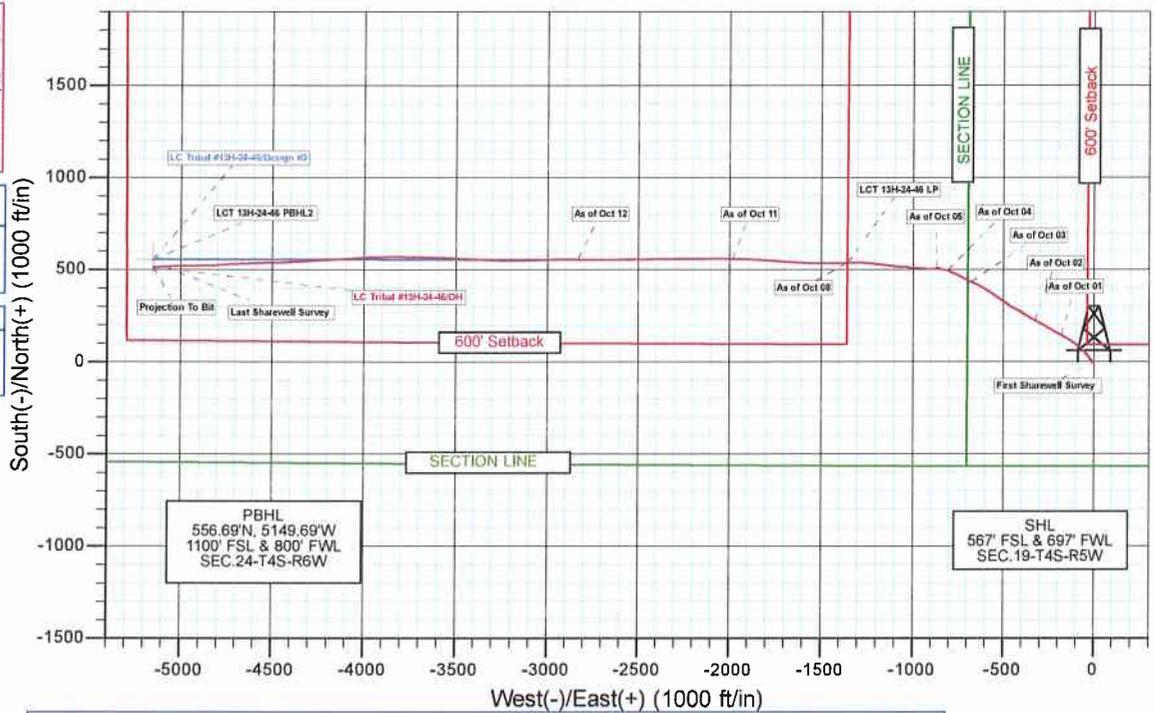


PROJECT DETAILS: Duchesne Co., UT (NAD27)	
Geodetic System: US State Plane 1927 (Exact solution)	
Datum: NAD 1927 (NADCON CONUS)	
Ellipsoid: Clarke 1866	
Zone: Utah Central 4302	
System Datum: Mean Sea Level	

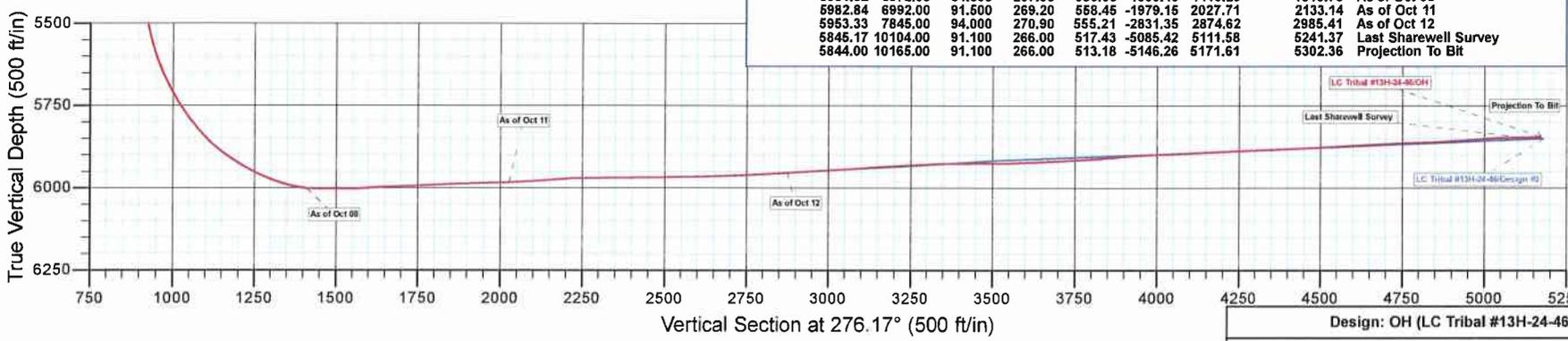


WELL DETAILS: LC Tribal #13H-24-46						
+N/-S	+E/-W	Northing	Ground Level: Easting	6744.01 Latitude	Longitude	Slot
0.00	0.00	649705.09	2279937.45	40° 6' 46.14 N	110° 29' 56.66 W	

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape Point
LCT 13H-24-46 PBHL2	5856.00	566.70	-5149.70	40° 6' 51.64 N	110° 31' 2.95 W	Point
LCT 13H-24-46 LP	6006.00	535.35	-1354.30	40° 6' 51.43 N	110° 30' 14.09 W	Point



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation	
80.00	80.00	0.000	0.00	0.00	0.00	0.00	0.00	Tie-In / Assumed Vertical	
154.00	154.00	0.200	8.80	0.13	0.02	-0.01	0.13	First Sharewell Survey	
1715.50	1743.00	15.600	299.20	146.67	-179.02	193.75	233.71	As of Oct 01	
2345.94	2395.00	14.900	298.40	225.04	-325.34	347.65	399.79	As of Oct 02	
3808.29	3914.00	14.200	295.10	432.41	-676.44	718.99	808.47	As of Oct 03	
4456.10	4577.00	9.400	291.40	495.50	-806.50	855.09	963.25	As of Oct 04	
5369.01	6494.00	1.400	198.50	506.09	-867.88	917.24	1017.98	As of Oct 05	
6001.02	6372.00	84.600	267.50	536.66	-1360.49	1410.29	1513.76	As of Oct 08	
5982.84	6952.00	91.500	269.20	558.45	-1879.15	2027.71	2133.14	As of Oct 11	
5953.33	7845.00	94.000	270.90	555.24	-2831.35	2874.62	2985.41	As of Oct 12	
5845.17	10104.00	91.100	266.00	517.43	-5085.42	5111.58	5241.37	Last Sharewell Survey	
5844.00	10165.00	91.100	266.00	513.18	-5146.26	5171.51	5302.36	Projection To Bit	



Design: OH (LC Tribal #13H-24-46/Wellbore #1)
 Created By: Rolando Garza Date: 12:53, October 19 2012

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec.19-T4S-R5W
Well: LC Tribal #13H-24-46
Wellbore: Wellbore #1
Design: OH

Local Co-ordinate Reference: Well LC Tribal #13H-24-46
TVD Reference: WELL @ 6766.01ft
MD Reference: WELL @ 6766.01ft
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.19-T4S-R5W		
Site Position:		Northing:	649,705.11 usft
From:	Lat/Long	Easting:	2,279,937.45 usft
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft
		Latitude:	40° 6' 46.14 N
		Longitude:	110° 29' 56.66 W
		Grid Convergence:	0.64 °

Well	LC Tribal #13H-24-46		
Well Position	+N/-S	0.00 ft	Northing: 649,705.09 usft
	+E/-W	0.00 ft	Easting: 2,279,937.46 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	40° 6' 46.14 N
		Longitude:	110° 29' 56.66 W
		Ground Level:	6,744.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	07/31/12	11.35	65.74	52,124

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	276.17	

Survey Program	Date	10/19/12			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
80.00	10,165.00	Survey #1 (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	
80.00	0.000	0.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00	
Tie-In / Assumed Vertical										
154.00	0.200	8.80	154.00	0.13	0.02	-0.01	0.27	0.27	0.00	
First Sharewell Survey										
246.00	0.700	304.70	246.00	0.61	-0.42	0.48	0.69	0.54	-69.67	
338.00	1.000	299.90	337.99	1.33	-1.58	1.71	0.33	0.33	-5.22	
431.00	1.000	288.50	430.97	1.99	-3.05	3.24	0.21	0.00	-12.26	
523.00	0.900	285.40	522.96	2.44	-4.51	4.74	0.12	-0.11	-3.37	
615.00	1.900	302.10	614.93	3.44	-6.50	6.83	1.16	1.09	18.15	

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Design: OH

Local Co-ordinate Reference: Well LC Tribal #13H-24-46
TVD Reference: WELL @ 6766.01ft
MD Reference: WELL @ 6766.01ft
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

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)
707.00	3.300	309.40	706.84	5.93	-9.83	10.41	1.56	1.52	7.93
799.00	5.000	320.20	798.59	10.69	-14.45	15.51	2.03	1.85	11.74
891.00	6.800	320.90	890.10	18.00	-20.45	22.26	1.96	1.96	0.76
984.00	8.500	322.20	982.27	27.70	-28.13	30.95	1.84	1.83	1.40
1,079.00	11.300	318.20	1,075.85	40.19	-38.64	42.74	3.03	2.95	-4.21
1,174.00	13.300	313.70	1,168.67	54.68	-52.75	58.32	2.33	2.11	-4.74
1,269.00	14.600	313.30	1,260.86	70.44	-69.36	76.53	1.37	1.37	-0.42
1,364.00	16.400	310.00	1,352.41	87.28	-88.35	97.22	2.11	1.89	-3.47
1,458.00	17.800	305.30	1,442.25	104.11	-110.25	120.80	2.09	1.49	-5.00
1,553.00	16.900	302.80	1,532.93	119.98	-133.70	145.83	1.23	-0.95	-2.63
1,648.00	15.900	299.90	1,624.07	133.95	-156.59	170.08	1.36	-1.05	-3.05
1,743.00	15.600	299.20	1,715.50	146.67	-179.02	193.75	0.37	-0.32	-0.74
As of Oct 01									
1,815.00	14.200	296.90	1,785.08	155.39	-195.35	210.92	2.11	-1.94	-3.19
1,920.00	13.200	295.80	1,887.09	166.43	-217.63	234.26	0.98	-0.95	-1.05
2,015.00	14.500	300.50	1,979.33	177.19	-237.65	255.31	1.81	1.37	4.95
2,110.00	15.400	300.80	2,071.11	189.68	-258.73	277.62	0.95	0.95	0.32
2,205.00	15.300	298.10	2,162.72	202.05	-280.62	300.71	0.76	-0.11	-2.84
2,300.00	15.600	296.20	2,254.29	213.59	-303.14	324.34	0.62	0.32	-2.00
2,395.00	14.900	298.40	2,345.94	225.04	-325.34	347.65	0.96	-0.74	2.32
As of Oct 02									
2,490.01	15.500	300.00	2,437.62	237.20	-347.08	370.56	0.77	0.63	1.68
2,584.00	15.100	302.00	2,528.29	249.96	-368.34	393.07	0.70	-0.43	2.13
2,679.00	16.800	302.10	2,619.63	263.82	-390.47	416.56	1.79	1.79	0.11
2,774.00	16.900	300.90	2,710.55	278.20	-413.95	441.45	0.38	0.11	-1.26
2,869.00	14.200	297.50	2,802.07	290.68	-436.13	464.85	3.00	-2.84	-3.58
2,965.00	12.700	297.20	2,895.43	300.94	-455.97	485.67	1.56	-1.56	-0.31
3,060.00	15.000	301.60	2,987.66	312.16	-475.73	506.52	2.66	2.42	4.63
3,154.00	16.800	305.70	3,078.07	326.46	-497.12	529.33	2.26	1.91	4.36
3,249.00	18.500	306.40	3,168.59	343.42	-520.40	554.30	1.80	1.79	0.74
3,344.00	19.200	304.60	3,258.50	361.23	-545.40	581.06	0.96	0.74	-1.89
3,439.00	16.300	303.10	3,348.96	377.39	-569.43	606.69	3.09	-3.05	-1.58
3,534.00	15.600	301.20	3,440.31	391.28	-591.52	630.15	0.92	-0.74	-2.00
3,629.00	16.400	297.70	3,531.63	404.14	-614.32	654.20	1.32	0.84	-3.68
3,724.00	13.600	294.10	3,623.38	414.93	-636.40	677.31	3.10	-2.95	-3.79
3,819.00	12.700	291.90	3,715.89	423.39	-656.28	697.99	1.08	-0.95	-2.32
3,914.00	14.200	296.10	3,808.29	432.41	-676.44	718.99	1.88	1.58	4.42
As of Oct 03									
4,009.00	13.600	298.50	3,900.51	442.87	-696.72	740.28	0.88	-0.63	2.53
4,104.00	14.100	298.40	3,992.74	453.70	-716.71	761.32	0.53	0.53	-0.11
4,199.00	13.400	299.90	4,085.02	464.69	-736.43	782.11	0.83	-0.74	1.58
4,294.00	13.000	291.40	4,177.52	474.08	-755.93	802.50	2.08	-0.42	-8.95
4,388.00	11.400	292.50	4,269.39	481.49	-774.36	821.62	1.72	-1.70	1.17
4,482.00	11.000	295.00	4,361.60	488.84	-791.07	839.02	0.67	-0.43	2.66

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Design: OH

Local Co-ordinate Reference: Well LC Tribal #13H-24-46
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North Reference: True
Survey Calculation Method: Minimum Curvature
Database: CompassVM

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)
4,577.00	9.400	291.40	4,455.10	495.50	-806.50	855.09	1.81	-1.68	-3.79
As of Oct 04									
4,672.00	7.500	278.60	4,549.07	499.26	-819.86	868.77	2.80	-2.00	-13.47
4,767.00	5.900	276.60	4,643.42	500.74	-830.84	879.85	1.70	-1.68	-2.11
4,862.00	5.500	286.60	4,737.95	502.61	-840.06	889.21	1.13	-0.42	10.53
4,957.00	4.700	288.30	4,832.58	505.13	-848.11	897.49	0.86	-0.84	1.79
5,052.00	4.000	288.20	4,927.30	507.39	-854.96	904.54	0.74	-0.74	-0.11
5,147.00	2.800	281.80	5,022.13	508.90	-860.38	910.09	1.32	-1.26	-6.74
5,242.00	1.400	259.00	5,117.07	509.15	-863.79	913.51	1.69	-1.47	-24.00
5,337.00	1.000	249.10	5,212.05	508.63	-865.70	915.35	0.47	-0.42	-10.42
5,432.00	1.400	217.20	5,307.03	507.41	-867.18	916.69	0.80	0.42	-33.58
5,494.00	1.400	198.60	5,369.01	506.09	-867.88	917.24	0.73	0.00	-30.00
As of Oct 05									
5,518.00	1.800	196.10	5,393.00	505.45	-868.07	917.37	1.69	1.67	-10.42
5,549.00	2.200	219.70	5,423.98	504.53	-868.59	917.78	2.92	1.29	76.13
5,581.00	6.800	258.70	5,455.88	503.68	-870.84	919.93	16.48	14.38	121.88
5,613.00	8.300	262.60	5,487.60	503.01	-874.99	923.98	4.95	4.69	12.19
5,644.00	11.400	269.20	5,518.14	502.68	-880.27	929.20	10.63	10.00	21.29
5,676.00	14.100	270.80	5,549.35	502.69	-887.33	936.22	8.51	8.44	5.00
5,707.00	17.100	271.30	5,579.21	502.85	-895.67	944.52	9.69	9.68	1.61
5,739.00	20.700	274.60	5,609.48	503.41	-906.01	954.87	11.73	11.25	10.31
5,771.00	22.400	276.70	5,639.24	504.57	-917.71	966.62	5.83	5.31	6.56
5,802.00	24.900	275.00	5,667.63	505.83	-930.08	979.05	8.36	8.06	-5.48
5,834.00	28.000	272.60	5,696.28	506.76	-944.29	993.29	10.25	9.69	-7.50
5,866.00	30.500	272.70	5,724.20	507.48	-959.91	1,008.90	7.81	7.81	0.31
5,897.00	32.800	272.80	5,750.59	508.26	-976.16	1,025.13	7.42	7.42	0.32
5,929.00	35.200	273.10	5,777.11	509.19	-994.03	1,043.00	7.52	7.50	0.94
5,961.00	38.400	274.30	5,802.73	510.43	-1,013.15	1,062.14	10.25	10.00	3.75
5,992.00	41.500	275.20	5,826.50	512.08	-1,032.99	1,082.04	10.17	10.00	2.90
6,024.00	45.200	275.50	5,849.76	514.13	-1,054.85	1,104.00	11.58	11.56	0.94
6,056.00	49.200	275.80	5,871.50	516.45	-1,078.21	1,127.48	12.52	12.50	0.94
6,087.00	53.300	276.70	5,890.90	519.08	-1,102.24	1,151.65	13.42	13.23	2.90
6,119.00	56.100	277.40	5,909.39	522.29	-1,128.16	1,177.76	8.93	8.75	2.19
6,151.00	59.100	277.00	5,926.53	525.67	-1,154.96	1,204.77	9.43	9.38	-1.25
6,182.00	61.100	277.20	5,941.99	529.00	-1,181.63	1,231.64	6.48	6.45	0.65
6,214.00	64.900	276.20	5,956.51	532.32	-1,209.94	1,260.14	12.20	11.88	-3.13
6,246.00	67.900	275.50	5,969.32	535.30	-1,239.11	1,289.46	9.59	9.38	-2.19
6,277.00	71.500	272.70	5,980.08	537.37	-1,268.10	1,318.51	14.37	11.61	-9.03
6,309.00	74.400	270.50	5,989.46	538.22	-1,298.67	1,349.00	11.19	9.06	-6.88
6,341.00	79.400	268.10	5,996.71	537.84	-1,329.83	1,379.93	17.25	15.63	-7.50
6,372.00	84.600	267.50	6,001.02	536.66	-1,360.49	1,410.29	16.88	16.77	-1.94
As of Oct 08									
6,519.00	94.200	271.20	6,002.56	535.00	-1,507.28	1,556.05	7.00	6.53	2.52
6,613.00	92.000	273.10	5,997.48	538.52	-1,601.06	1,649.67	3.09	-2.34	2.02

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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)
6,708.00	93.000	273.50	5,993.33	543.98	-1,695.81	1,744.46	1.13	1.05	0.42
6,803.00	91.900	274.50	5,989.27	550.60	-1,790.49	1,839.30	1.56	-1.16	1.05
6,898.00	92.200	272.90	5,985.87	556.73	-1,885.23	1,934.15	1.71	0.32	-1.68
6,992.00	91.500	269.20	5,982.84	558.45	-1,979.15	2,027.71	4.00	-0.74	-3.94
As of Oct 11									
7,087.00	94.600	271.40	5,977.78	558.94	-2,074.00	2,122.06	4.00	3.26	2.32
7,182.00	93.100	270.30	5,971.40	560.35	-2,168.77	2,216.43	1.96	-1.58	-1.16
7,276.00	90.400	269.20	5,968.53	559.94	-2,262.71	2,309.79	3.10	-2.87	-1.17
7,371.00	90.300	268.70	5,967.95	558.20	-2,357.69	2,404.03	0.54	-0.11	-0.53
7,466.00	91.100	269.20	5,966.79	556.46	-2,452.67	2,498.27	0.99	0.84	0.53
7,561.00	90.800	269.20	5,965.22	555.13	-2,547.65	2,592.55	0.32	-0.32	0.00
7,656.00	91.700	269.80	5,963.15	554.30	-2,642.62	2,686.89	1.14	0.95	0.63
7,750.00	93.100	270.20	5,959.21	554.30	-2,736.54	2,780.26	1.55	1.49	0.43
7,845.00	94.000	270.90	5,953.33	555.21	-2,831.35	2,874.62	1.20	0.95	0.74
As of Oct 12									
7,940.00	92.500	269.60	5,947.94	555.63	-2,926.19	2,968.96	2.09	-1.58	-1.37
8,034.00	93.900	268.30	5,942.69	553.91	-3,020.02	3,062.06	2.03	1.49	-1.38
8,129.00	93.800	268.60	5,936.32	551.34	-3,114.77	3,155.99	0.33	-0.11	0.32
8,223.00	93.700	269.30	5,930.17	549.62	-3,208.56	3,249.04	0.75	-0.11	0.74
8,318.00	90.900	273.30	5,926.35	551.78	-3,303.43	3,343.59	5.14	-2.95	4.21
8,413.00	90.000	273.10	5,925.61	557.08	-3,398.27	3,438.46	0.97	-0.95	-0.21
8,508.00	90.700	272.00	5,925.03	561.31	-3,493.18	3,533.27	1.37	0.74	-1.16
8,603.00	93.300	271.60	5,921.71	564.29	-3,588.06	3,627.93	2.77	2.74	-0.42
8,697.00	92.300	271.90	5,917.12	567.16	-3,681.90	3,721.53	1.11	-1.06	0.32
8,792.00	94.200	270.90	5,911.73	569.48	-3,776.72	3,816.05	2.26	2.00	-1.05
8,887.00	95.600	270.10	5,903.62	570.30	-3,871.36	3,910.23	1.70	1.47	-0.84
8,982.00	91.500	266.10	5,897.74	567.15	-3,966.09	4,004.07	6.02	-4.32	-4.21
9,077.00	92.700	265.80	5,894.26	560.45	-4,060.79	4,097.50	1.30	1.26	-0.32
9,172.00	92.200	267.90	5,890.19	555.23	-4,155.55	4,191.16	2.27	-0.53	2.21
9,267.00	92.600	266.80	5,886.22	550.85	-4,250.37	4,284.95	1.23	0.42	-1.16
9,361.00	92.500	266.10	5,882.03	545.03	-4,344.09	4,377.51	0.75	-0.11	-0.74
9,456.00	92.700	268.50	5,877.72	540.56	-4,438.88	4,471.27	2.53	0.21	2.53
9,551.00	92.500	267.20	5,873.41	537.00	-4,533.71	4,565.17	1.38	-0.21	-1.37
9,646.00	94.500	269.60	5,867.61	534.35	-4,628.49	4,659.11	3.28	2.11	2.53
9,740.00	91.100	265.70	5,863.02	530.50	-4,722.26	4,751.93	5.50	-3.62	-4.15
9,835.00	92.200	267.20	5,860.29	524.62	-4,817.04	4,845.52	1.96	1.16	1.58
9,930.00	95.000	270.10	5,854.32	522.38	-4,911.81	4,939.50	4.24	2.95	3.05
10,025.00	92.800	268.50	5,847.86	521.22	-5,006.57	5,033.59	2.86	-2.32	-1.68
10,104.00	91.100	266.00	5,845.17	517.43	-5,085.42	5,111.58	3.83	-2.15	-3.16
Last Sharewell Survey									
10,165.00	91.100	266.00	5,844.00	513.18	-5,146.26	5,171.61	0.00	0.00	0.00
Projection To Bit									

Company: Bill Barrett Corp. (II)
Project: Duchesne Co., UT (NAD27)
Site: Sec. 19-T4S-R5W
Well: LC Tribal #13H-24-46
Wellbore: Wellbore #1
Design: OH

Local Co-ordinate Reference: Well LC Tribal #13H-24-46
TVD Reference: WELL @ 6766.01ft
MD Reference: WELL @ 6766.01ft
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)	
80.00	80.00	0.00	0.00	Tie-In / Assumed Vertical
154.00	154.00	0.13	0.02	First Sharewell Survey
1,743.00	1,715.50	146.67	-179.02	As of Oct 01
2,395.00	2,345.94	225.04	-325.34	As of Oct 02
3,914.00	3,808.29	432.41	-676.44	As of Oct 03
4,577.00	4,455.10	495.50	-806.50	As of Oct 04
5,494.00	5,369.01	506.09	-867.88	As of Oct 05
6,372.00	6,001.02	536.66	-1,360.49	As of Oct 08
6,992.00	5,982.84	558.45	-1,979.15	As of Oct 11
7,845.00	5,953.33	555.21	-2,831.35	As of Oct 12
10,104.00	5,845.17	517.43	-5,085.42	Last Sharewell Survey
10,165.00	5,844.00	513.18	-5,146.26	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: 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 13H-24-46
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013512890000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U	
COUNTY: DUCHESNE	
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/7/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Confidential Status"/>

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

BBC requests to hold this well in confidential status.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 25, 2013

By: *D. K. Duff*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 2/7/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6484
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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 13H-24-46
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013512890000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FSL 0697 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 19 Township: 04.0S Range: 05.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		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 type="text" value="Lease earned"/>

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

Sundry submittal to update new lease number of 14-20-H62-6484.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**
May 13, 2014

NAME (PLEASE PRINT) Tracey Fallang	PHONE NUMBER 303 312-8134	TITLE Regulatory Manager
SIGNATURE N/A	DATE 5/13/2014	

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

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

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

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

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

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

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



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

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

New Operator Contact information:

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

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

Sincerely,

Bill Barrett Corporation

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

Brady Riley
Permit Analyst

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

APPROVED

NOV 07 2016

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

Request to Transfer Application or Permit to Drill

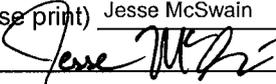
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

Check one	Desired Action:
	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

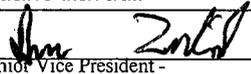
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

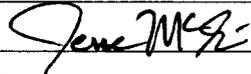
Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

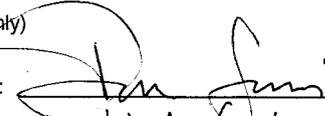
CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

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

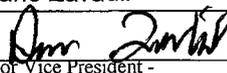
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

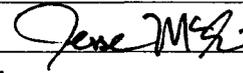
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

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

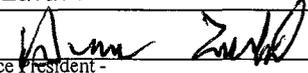
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

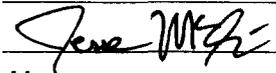
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE	Field or Unit Name CEDAR RIM
QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <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.*