

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER LC Tribal 16-30D-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 Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164					
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 20G0005500			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Uintah and Ouray			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		670 FSL 685 FEL		SESE	30	4.0 S	6.0 W	U			
Top of Uppermost Producing Zone		809 FSL 811 FEL		SESE	30	4.0 S	6.0 W	U			
At Total Depth		810 FSL 810 FEL		SESE	30	4.0 S	6.0 W	U			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 810			23. NUMBER OF ACRES IN DRILLING UNIT 640					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 4981			26. PROPOSED DEPTH MD: 7199 TVD: 7193					
27. ELEVATION - GROUND LEVEL 7452			28. BOND NUMBER LPM8874725			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-180					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown		0	0.0	0.0
Surf	12.25	9.625	0 - 1700	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		220	3.16	11.0
							Halliburton Premium , Type Unknown		210	1.36	14.8
Prod	8.75	5.5	0 - 7199	17.0	P-110 LT&C	9.7	Unknown		570	2.31	11.0
							Unknown		690	1.42	13.5
ATTACHMENTS											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Venessa Langmacher			TITLE Senior Permit Analyst			PHONE 303 312-8172					
SIGNATURE			DATE 03/23/2012			EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43013513200000			APPROVAL			 Permit Manager					

BILL BARRETT CORPORATION
DRILLING PLAN
1/04/2011

LC Tribal 16-30D-46

SE SE, 670' FSL and 685' FEL, Section 30, T4S-R6W, USB&M (surface hole)
SE SE, 810' FSL and 810' FEL, Section 30, T4S-R6W, USB&M (bottom hole)
Duchesne County, Utah

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

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Lower Green River*	3,641'	3,638'
Douglas Creek	4,448'	4,443'
Black Shale	5,163'	5,158'
Castle Peak	5,468'	5,463'
Uteland Butte	5,741'	5,736'
Wasatch*	5,978'	5,973'
TD	7,199'	7,193'

*PROSPECTIVE PAY

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

Base of Useable Water = 4,863'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,700'	No pressure control required
1,700' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,700'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation
 Drilling Program
 LC Tribal 16-30D-46
 Duchesne County, Utah

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 220 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 1,200'
5 1/2" Production Casing	Lead: 570 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,200' Tail: 690 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 4,663'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1,700'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,700' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

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

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3590 psi* and maximum anticipated surface pressure equals approximately 2008 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)

Bill Barrett Corporation
Drilling Program
LC Tribal 16-30D-46
Duchesne County, Utah

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

11. Drilling Schedule

Location Construction: November 2012
Spud: November 2012
Duration: 15 days drilling time
45 days completion time



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: LC Tribal 16-30D-46

Surface Hole Data:

Total Depth:	1,700'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	657.7	ft ³
Lead Fill:	1,200'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	220
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,200'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	7,199'
Top of Cement:	1,200'
Top of Tail:	4,663'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1312.1	ft ³
Lead Fill:	3,463'	
Tail Volume:	961.0	ft ³
Tail Fill:	2,536'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	570
# SK's Tail:	690

LC Tribal 16-30D-46 Proposed Cementing Program

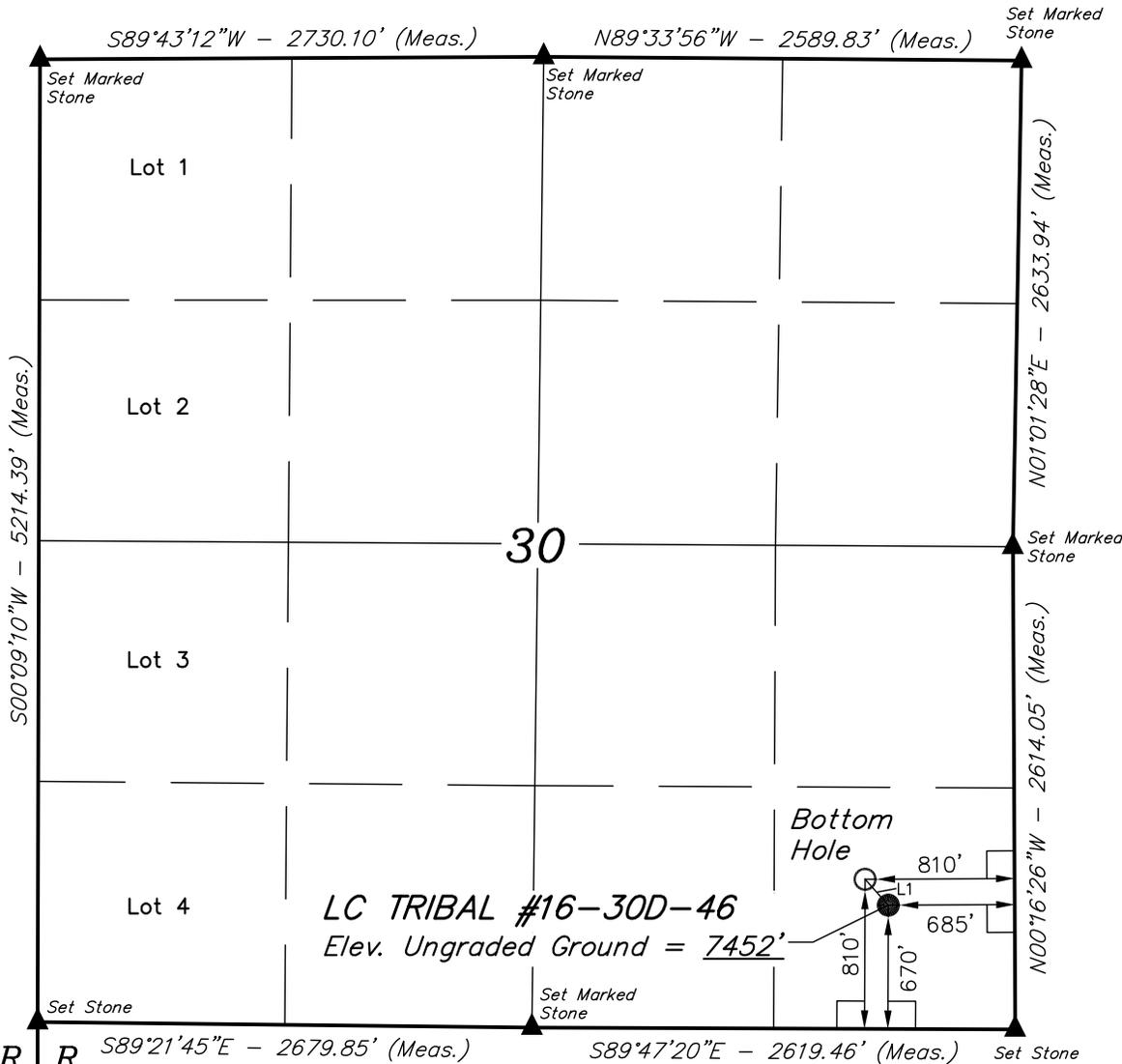
<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (1200' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,200'
	Volume: 117.13 bbl
	Proposed Sacks: 220 sks
Tail Cement - (TD - 1200')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,200'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4663' - 1200')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 1,200'
	Calculated Fill: 3,463'
	Volume: 233.68 bbl
	Proposed Sacks: 570 sks
Tail Cement - (7199' - 4663')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 4,663'
	Calculated Fill: 2,536'
	Volume: 171.14 bbl
	Proposed Sacks: 690 sks

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

BILL BARRETT CORPORATION

Well location, LC TRIBAL #16-30D-46, located as shown in the SE 1/4 SE 1/4 of Section 30, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

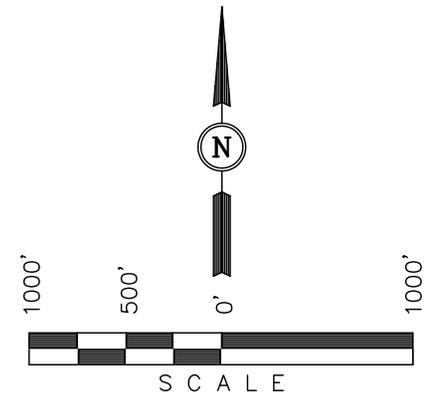


BASIS OF ELEVATION

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

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



CERTIFICATE

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

ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH
 11-08-11

R
7
W R
6
W

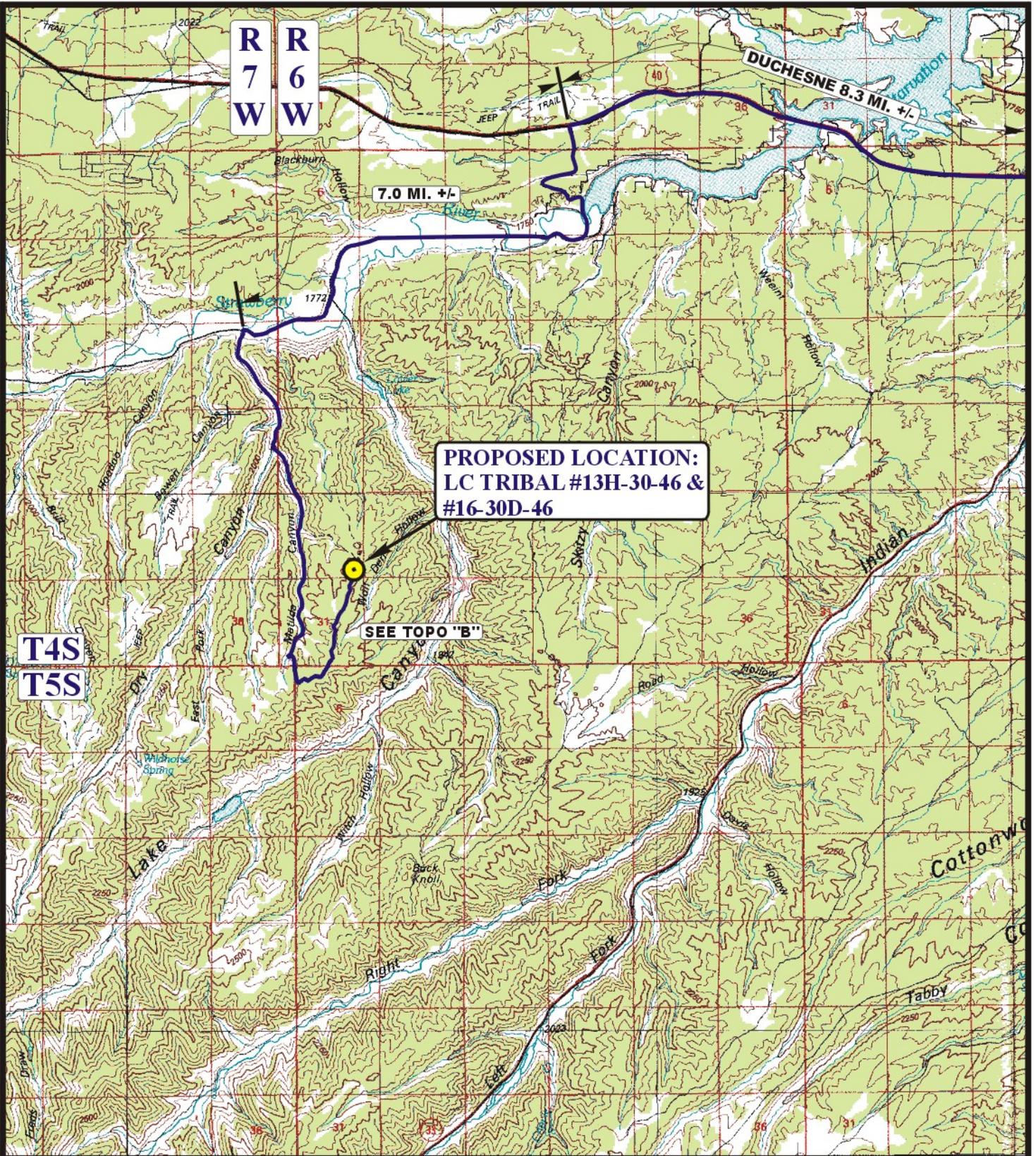
LINE TABLE		
LINE	BEARING	LENGTH
L1	N41°54'29"W	188.67'

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°05'56.69" (40.099081)	LONGITUDE = 110°35'55.64" (110.598789)	LATITUDE = 40°05'55.31" (40.098697)	LONGITUDE = 110°35'54.01" (110.598336)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°05'56.84" (40.099122)	LONGITUDE = 110°35'53.08" (110.598078)	LATITUDE = 40°05'55.46" (40.098739)	LONGITUDE = 110°35'51.45" (110.597625)

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

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 11-03-11	DATE DRAWN: 11-05-11
PARTY T.A. C.N. K.O.		REFERENCES G.L.O. PLAT
WEATHER COOL	FILE BILL BARRETT CORPORATION	

RECEIVED: March 23, 2012



**PROPOSED LOCATION:
LC TRIBAL #13H-30-46 &
#16-30D-46**

SEE TOPO "B"

**T4S
T5S**

**R7W
R6W**

LEGEND:

 PROPOSED LOCATION



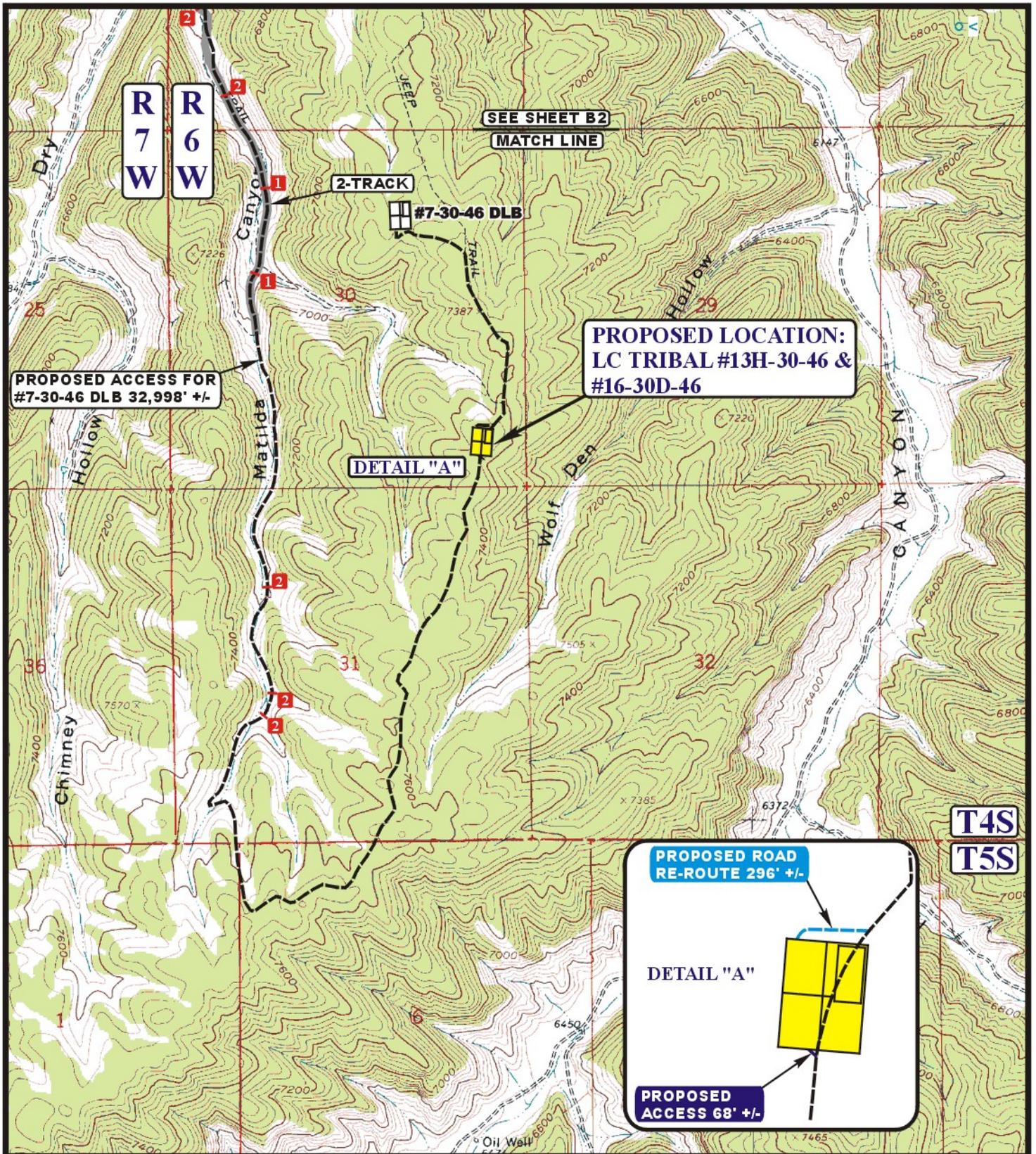
BILL BARRETT CORPORATION

**LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4**



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

ACCESS ROAD MAP	07	22	11	A TOPO
	MONTH	DAY	YEAR	
SCALE: 1:100,000		DRAWN BY: J.L.G.		REVISED: 01-12-12



LEGEND:

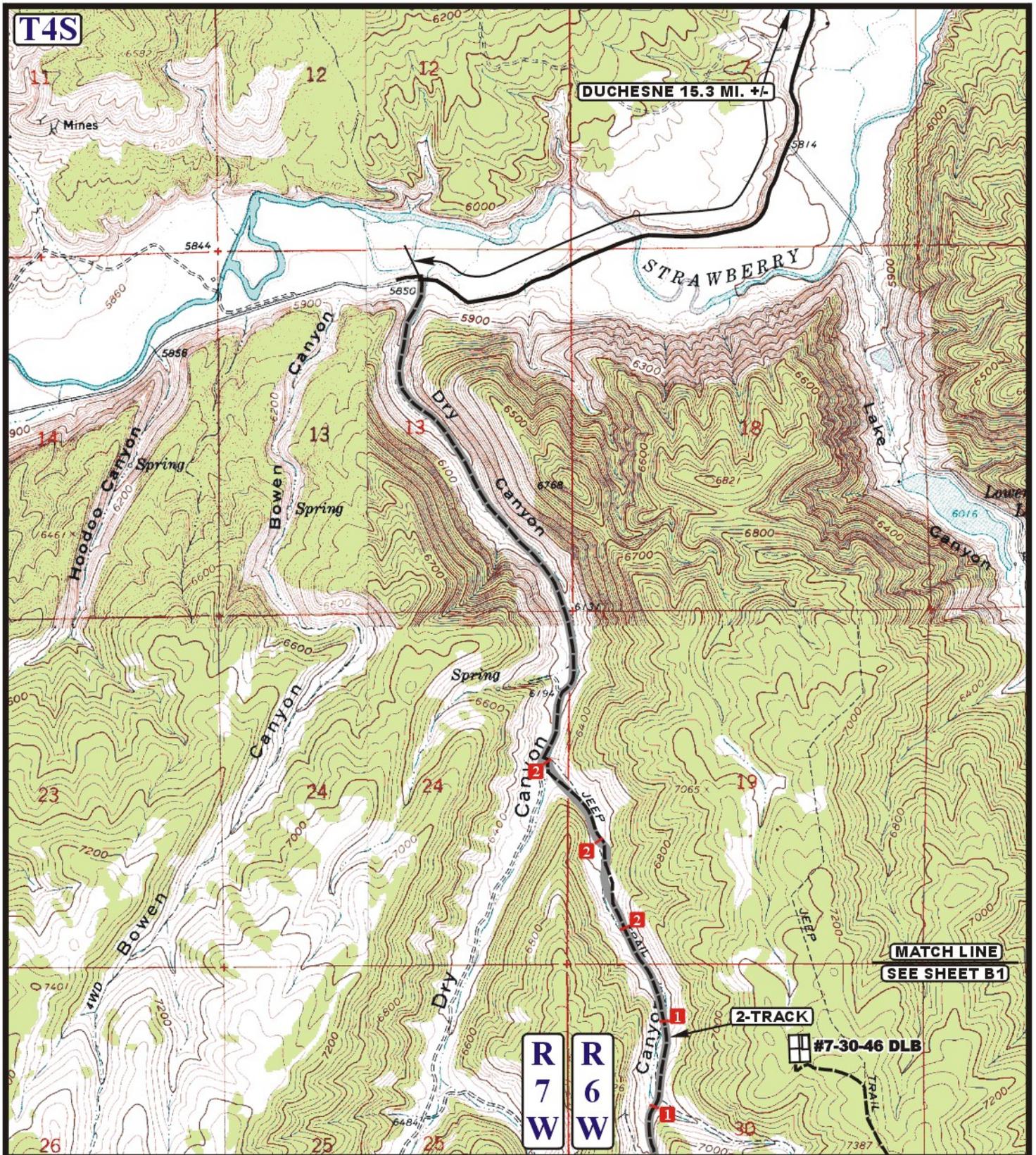
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- 18" CMP REQUIRED
- LOW WATER CROSSING REQUIRED

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



BILL BARRETT CORPORATION
 LC TRIBAL #13H-30-46 & #16-30D-46
 SECTION 30, T4S, R6W, U.S.B.&M.
 SE 1/4 SE 1/4

ACCESS ROAD MAP	07	22	11	B1 TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: J.L.G.		REVISED: 01-12-12



DUCHESNE 15.3 MI. +/-

MATCH LINE
SEE SHEET B1

R
7
W

R
6
W

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- 1** 18" CMP REQUIRED
- 2** LOW WATER CROSSING REQUIRED

BILL BARRETT CORPORATION

LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4



Utah Engineering & Land Surveying
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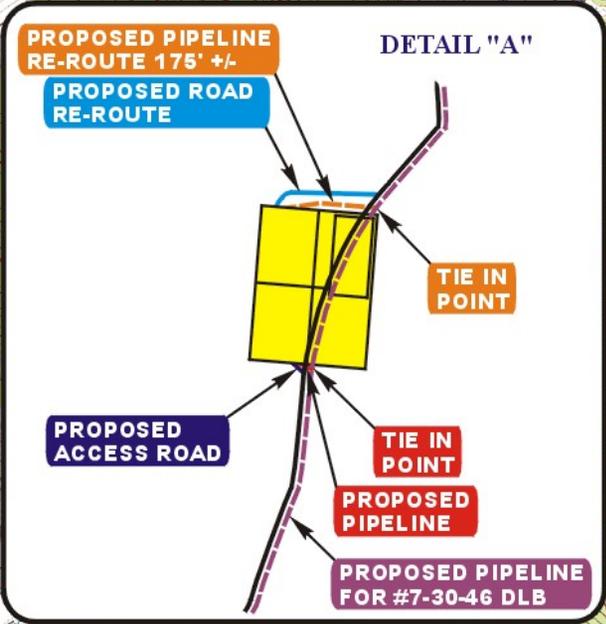
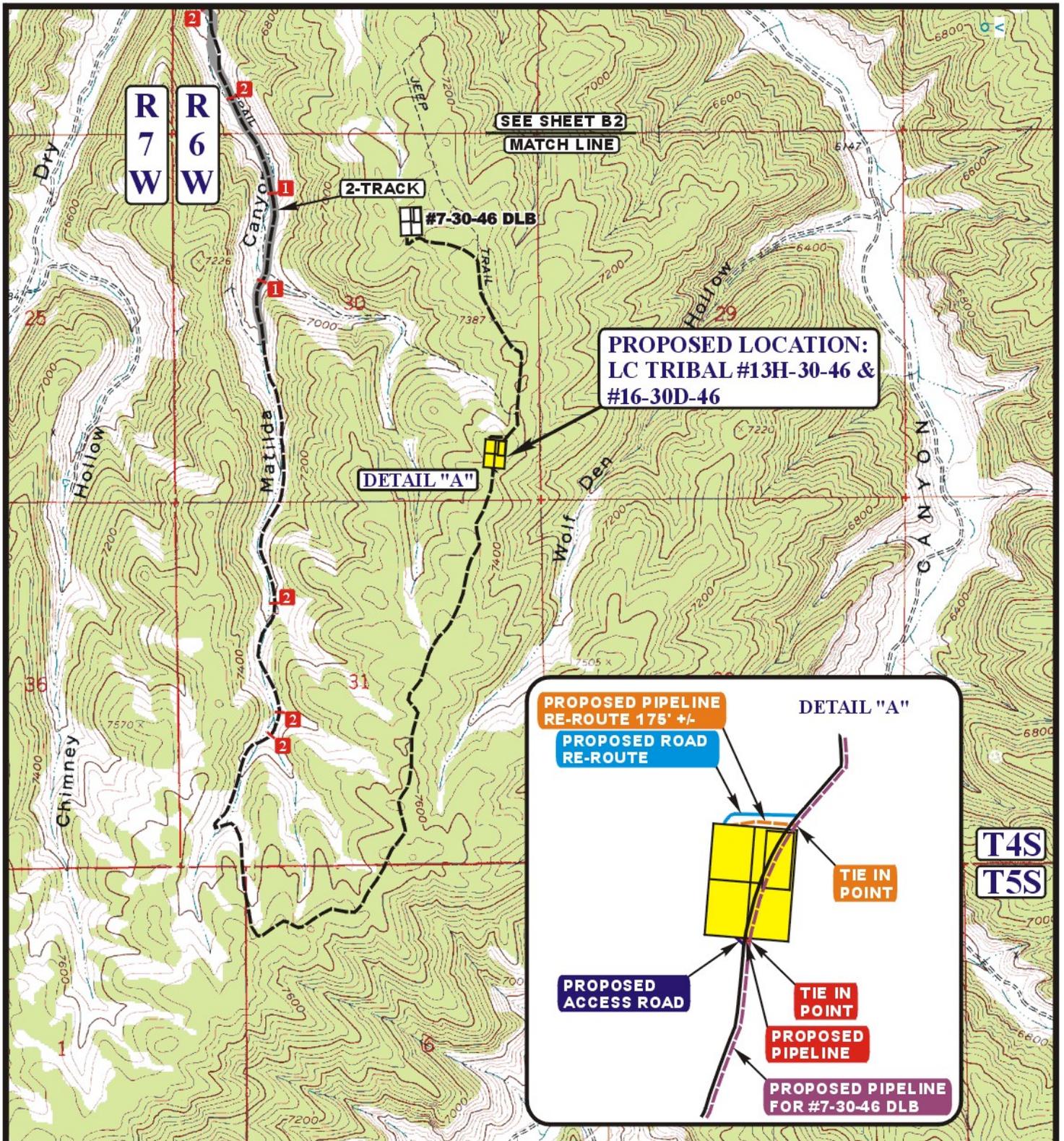


ACCESS ROAD
MAP

07	22	11
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 01-12-12

B2
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 70' +/-

LEGEND:

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



BILL BARRETT CORPORATION

**LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4**



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC MAP	07 MONTH	22 DAY	11 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.		REVISED: 01-12-12	



SITE DETAILS: 16-30D-46 LC Tribal
Lake Canyon

Site Latitude: 40° 5' 55.460 N
Site Longitude: 110° 35' 51.450 W

Positional Uncertainty: 0.0
Convergence: 0.58
Local North: True

WELL DETAILS: 16-30D-46 LC Tribal

Ground Level: 7452.0

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

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	644284.14	2252427.08	40° 5' 55.460 N	110° 35' 51.450 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
16-30D-46 LC Tribal 3PT MKR	4813.0	139.5	-126.7	40° 5' 56.839 N	110° 35' 53.081 W	Rectangle (Sides: L200.0 W200.0)
16-30D-46 LC Tribal PBHL	7193.0	139.5	-126.7	40° 5' 56.839 N	110° 35' 53.081 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

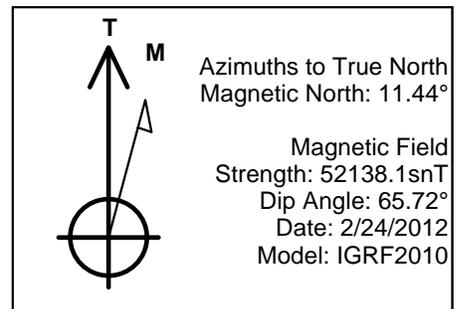
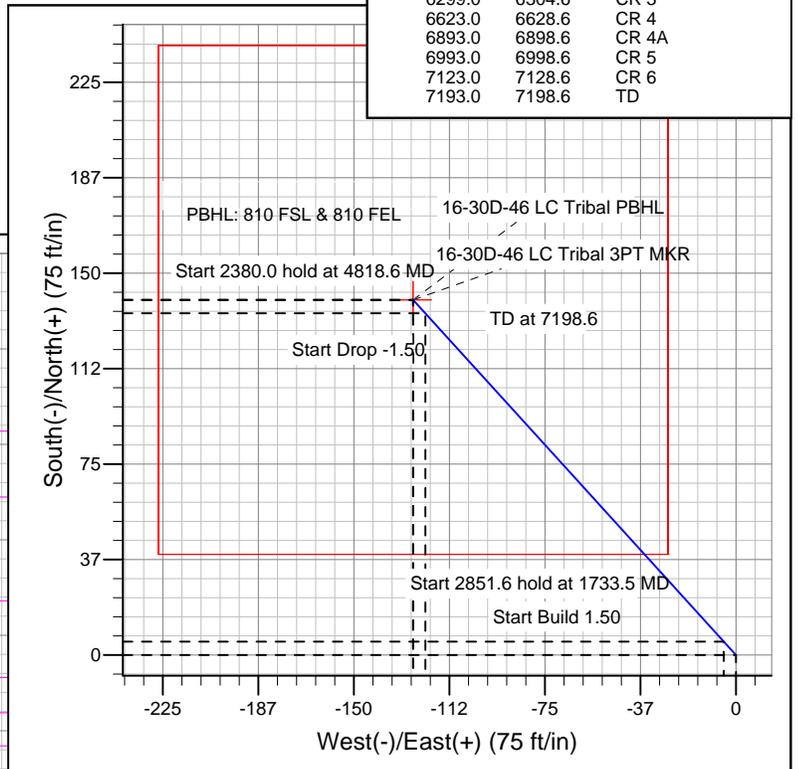
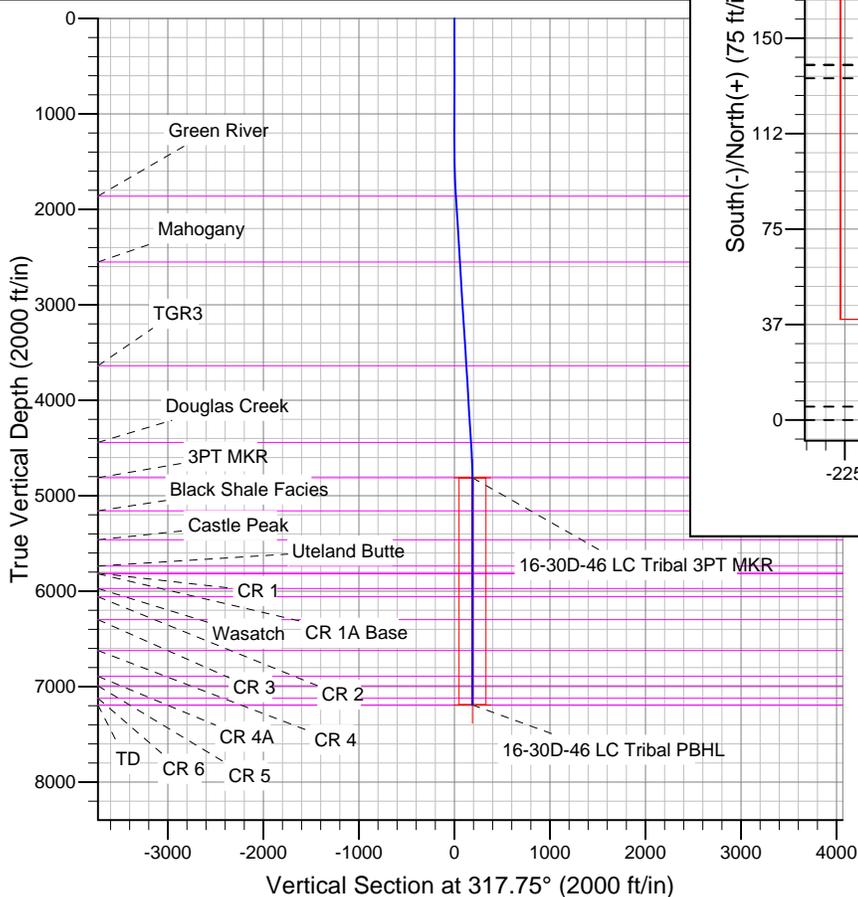
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1733.5	3.50	317.75	1733.3	5.3	-4.8	1.50	317.75	7.1	
4	4585.1	3.50	317.75	4579.7	134.2	-121.9	0.00	0.00	181.3	
5	4818.6	0.00	0.00	4813.0	139.5	-126.7	1.50	180.00	188.5	16-30D-46 LC Tribal 3PT MKR
6	7198.6	0.00	0.00	7193.0	139.5	-126.7	0.00	0.00	188.5	16-30D-46 LC Tribal PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1863.0	1863.4	Green River
2553.0	2554.7	Mahogany
3638.0	3641.7	TGR3
4443.0	4448.2	Douglas Creek
4813.0	4818.6	3PT MKR
5158.0	5163.6	Black Shale Facies
5463.0	5468.6	Castle Peak
5736.0	5741.6	Uteland Butte
5813.0	5818.6	CR 1
5818.0	5823.6	CR 1A Base
5973.0	5978.6	Wasatch
6058.0	6063.6	CR 2
6299.0	6304.6	CR 3
6623.0	6628.6	CR 4
6893.0	6898.6	CR 4A
6993.0	6998.6	CR 5
7123.0	7128.6	CR 6
7193.0	7198.6	TD

CASING DETAILS

No casing data is available



Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-30D-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7468.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7468.0ft (Original Well Elev)
Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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	16-30D-46 LC Tribal				
Site Position:		Northing:	644,284.14 ft	Latitude:	40° 5' 55.460 N
From:	Lat/Long	Easting:	2,252,427.08 ft	Longitude:	110° 35' 51.450 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.58 °

Well	16-30D-46 LC Tribal					
Well Position	+N/-S	0.0 ft	Northing:	644,284.14 ft	Latitude:	40° 5' 55.460 N
	+E/-W	0.0 ft	Easting:	2,252,427.08 ft	Longitude:	110° 35' 51.450 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,452.0 ft

Wellbore	16-30D-46 LC Tribal				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/24/2012	11.45	65.72	52,138

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	317.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,733.5	3.50	317.75	1,733.3	5.3	-4.8	1.50	1.50	0.00	317.75	
4,585.1	3.50	317.75	4,579.7	134.2	-121.9	0.00	0.00	0.00	0.00	
4,818.6	0.00	0.00	4,813.0	139.5	-126.7	1.50	-1.50	0.00	180.00	16-30D-46 LC Tribal
7,198.6	0.00	0.00	7,193.0	139.5	-126.7	0.00	0.00	0.00	0.00	16-30D-46 LC Tribal

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-30D-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7468.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7468.0ft (Original Well Elev)
Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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	1.50	317.75	1,600.0	1.0	-0.9	1.3	1.50	1.50	0.00
1,700.0	3.00	317.75	1,699.9	3.9	-3.5	5.2	1.50	1.50	0.00
1,733.5	3.50	317.75	1,733.3	5.3	-4.8	7.1	1.50	1.50	0.00
1,800.0	3.50	317.75	1,799.7	8.3	-7.5	11.2	0.00	0.00	0.00
1,863.4	3.50	317.75	1,863.0	11.2	-10.1	15.1	0.00	0.00	0.00
Green River									
1,900.0	3.50	317.75	1,899.5	12.8	-11.6	17.3	0.00	0.00	0.00
2,000.0	3.50	317.75	1,999.4	17.3	-15.7	23.4	0.00	0.00	0.00
2,100.0	3.50	317.75	2,099.2	21.9	-19.9	29.5	0.00	0.00	0.00
2,200.0	3.50	317.75	2,199.0	26.4	-24.0	35.6	0.00	0.00	0.00
2,300.0	3.50	317.75	2,298.8	30.9	-28.1	41.7	0.00	0.00	0.00
2,400.0	3.50	317.75	2,398.6	35.4	-32.2	47.9	0.00	0.00	0.00
2,500.0	3.50	317.75	2,498.4	39.9	-36.3	54.0	0.00	0.00	0.00
2,554.7	3.50	317.75	2,553.0	42.4	-38.5	57.3	0.00	0.00	0.00
Mahogany									
2,600.0	3.50	317.75	2,598.2	44.5	-40.4	60.1	0.00	0.00	0.00
2,700.0	3.50	317.75	2,698.0	49.0	-44.5	66.2	0.00	0.00	0.00
2,800.0	3.50	317.75	2,797.9	53.5	-48.6	72.3	0.00	0.00	0.00
2,900.0	3.50	317.75	2,897.7	58.0	-52.7	78.4	0.00	0.00	0.00
3,000.0	3.50	317.75	2,997.5	62.6	-56.8	84.5	0.00	0.00	0.00
3,100.0	3.50	317.75	3,097.3	67.1	-60.9	90.6	0.00	0.00	0.00
3,200.0	3.50	317.75	3,197.1	71.6	-65.0	96.7	0.00	0.00	0.00
3,300.0	3.50	317.75	3,296.9	76.1	-69.1	102.8	0.00	0.00	0.00
3,400.0	3.50	317.75	3,396.7	80.6	-73.2	108.9	0.00	0.00	0.00
3,500.0	3.50	317.75	3,496.6	85.2	-77.4	115.1	0.00	0.00	0.00
3,600.0	3.50	317.75	3,596.4	89.7	-81.5	121.2	0.00	0.00	0.00
3,641.7	3.50	317.75	3,638.0	91.6	-83.2	123.7	0.00	0.00	0.00
TGR3									
3,700.0	3.50	317.75	3,696.2	94.2	-85.6	127.3	0.00	0.00	0.00
3,800.0	3.50	317.75	3,796.0	98.7	-89.7	133.4	0.00	0.00	0.00
3,900.0	3.50	317.75	3,895.8	103.3	-93.8	139.5	0.00	0.00	0.00
4,000.0	3.50	317.75	3,995.6	107.8	-97.9	145.6	0.00	0.00	0.00
4,100.0	3.50	317.75	4,095.4	112.3	-102.0	151.7	0.00	0.00	0.00
4,200.0	3.50	317.75	4,195.2	116.8	-106.1	157.8	0.00	0.00	0.00
4,300.0	3.50	317.75	4,295.1	121.3	-110.2	163.9	0.00	0.00	0.00
4,400.0	3.50	317.75	4,394.9	125.9	-114.3	170.0	0.00	0.00	0.00
4,448.2	3.50	317.75	4,443.0	128.0	-116.3	173.0	0.00	0.00	0.00
Douglas Creek									

Bill Barrett Corp

Planning Report

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Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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)
4,500.0	3.50	317.75	4,494.7	130.4	-118.4	176.1	0.00	0.00	0.00
4,585.1	3.50	317.75	4,579.7	134.2	-121.9	181.3	0.00	0.00	0.00
4,600.0	3.28	317.75	4,594.5	134.9	-122.5	182.2	1.50	-1.50	0.00
4,700.0	1.78	317.75	4,694.4	138.2	-125.5	186.6	1.50	-1.50	0.00
4,800.0	0.28	317.75	4,794.4	139.5	-126.7	188.4	1.50	-1.50	0.00
4,818.6	0.00	0.00	4,813.0	139.5	-126.7	188.5	1.50	-1.50	0.00
3PT MKR									
4,900.0	0.00	0.00	4,894.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,000.0	0.00	0.00	4,994.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,100.0	0.00	0.00	5,094.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,163.6	0.00	0.00	5,158.0	139.5	-126.7	188.5	0.00	0.00	0.00
Black Shale Facies									
5,200.0	0.00	0.00	5,194.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,294.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,394.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,468.6	0.00	0.00	5,463.0	139.5	-126.7	188.5	0.00	0.00	0.00
Castle Peak									
5,500.0	0.00	0.00	5,494.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,594.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,694.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,741.6	0.00	0.00	5,736.0	139.5	-126.7	188.5	0.00	0.00	0.00
Uteland Butte									
5,800.0	0.00	0.00	5,794.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,818.6	0.00	0.00	5,813.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 1									
5,823.6	0.00	0.00	5,818.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 1A Base									
5,900.0	0.00	0.00	5,894.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,978.6	0.00	0.00	5,973.0	139.5	-126.7	188.5	0.00	0.00	0.00
Wasatch									
6,000.0	0.00	0.00	5,994.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,063.6	0.00	0.00	6,058.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 2									
6,100.0	0.00	0.00	6,094.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,194.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,294.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,304.6	0.00	0.00	6,299.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 3									
6,400.0	0.00	0.00	6,394.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,494.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,594.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,628.6	0.00	0.00	6,623.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 4									
6,700.0	0.00	0.00	6,694.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,794.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,898.6	0.00	0.00	6,893.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 4A									
6,900.0	0.00	0.00	6,894.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,998.6	0.00	0.00	6,993.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 5									
7,000.0	0.00	0.00	6,994.4	139.5	-126.7	188.5	0.00	0.00	0.00
7,100.0	0.00	0.00	7,094.4	139.5	-126.7	188.5	0.00	0.00	0.00

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Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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)
7,128.6	0.00	0.00	7,123.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 6									
7,198.6	0.00	0.00	7,193.0	139.5	-126.7	188.5	0.00	0.00	0.00
TD									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,863.4	1,863.0	Green River		0.00	
2,554.7	2,553.0	Mahogany		0.00	
3,641.7	3,638.0	TGR3		0.00	
4,448.2	4,443.0	Douglas Creek		0.00	
4,818.6	4,813.0	3PT MKR		0.00	
5,163.6	5,158.0	Black Shale Facies		0.00	
5,468.6	5,463.0	Castle Peak		0.00	
5,741.6	5,736.0	Uteland Butte		0.00	
5,818.6	5,813.0	CR 1		0.00	
5,823.6	5,818.0	CR 1A Base		0.00	
5,978.6	5,973.0	Wasatch		0.00	
6,063.6	6,058.0	CR 2		0.00	
6,304.6	6,299.0	CR 3		0.00	
6,628.6	6,623.0	CR 4		0.00	
6,898.6	6,893.0	CR 4A		0.00	
6,998.6	6,993.0	CR 5		0.00	
7,128.6	7,123.0	CR 6		0.00	
7,198.6	7,193.0	TD		0.00	

SURFACE USE PLAN**BILL BARRETT CORPORATION**
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, Utah

<u>LC Tribal 13H-30-46</u>	<u>LC Tribal 16-30D-46</u>
SE SE, 654' FSL & 686' FEL, Sec. 30, T4S-R6W (surface hole) Lot 4 (SW SW), 700' FSL & 700' FWL, Sec. 30, T4S-R6W (bottom hole)	SE SE, 670' FSL & 685' FEL, Sec. 30, T4S-R6W (surface hole) SE SE, 810' FSL & 810' FEL, Sec. 30, T4S-R6W (bottom hole)

The onsite inspection for this pad occurred on November 15, 2011. This is a new pad with a total of two proposed wells. Plat changes and site specific stipulations requested at the onsite are reflected within this APD and summarized below.

- a) Updated topo maps B and C and damage plats to reflect that a portion of the access road and pipeline were previously permitted for the 7-30-46 DLB;
- b) Updated Figure 1 to round corner 6 approximately 10 feet;
- c) Relocated topsoil from corners 1 & 8 area to the area between corners 1 & 3 and corner C area;
- d) Updated Figure 2 to reflect updated disturbance area;
- e) Project is located within spring Elk calving area.

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

1. **Existing Roads:**

- a. The proposed well site is located approximately 21.5 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing State maintained Highway 40 would be utilized from Duchesne for 8.3 miles to the existing Duchesne County maintained Strawberry River Road. The Strawberry River Road would be utilized for 7.0 miles to the existing BBC maintained 1-13-47 BTR access road that would be utilized for 100 feet 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.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 68 feet of new access road and a 296 foot proposed access road re-route is planned from the existing/approved 7-30-46 DLB access road (ROW H62-2010-064). The previously approved 7-30-46 DLB access road continues an additional 32,998 feet to the existing 1-13-47 BTR 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 well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.
- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

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

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

4. Location of Production Facilities

- a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.

- b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.
- 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 70 feet of pipeline corridor with 175 feet of proposed pipeline reroute (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 to the existing/approved (ROW H62-2011-006) 7-30-46 DLB pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC wells. The pipeline crosses entirely Ute Tribe surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.

Bill Barrett Corporation
 Surface Use Plan
 LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
 Duchesne County, UT

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

5. Location and Type of Water Supply:

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

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

Bill Barrett Corporation
 Surface Use Plan
 LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
 Duchesne County, UT

Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River
43-2505, Appln t37379	McKinnon Ranch Properties, LC	1.3 cfs	4/28/2011	Pumped from Sec, 17, T4SR6W	Water Canyon Lake
43-12415, Change A17215a	Peatross Ranch, LLC	1.89 cfs	09/2011	Dugout Pond	Strawberry River

- b. No new water well is proposed with this application.
 - c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
 - d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.
6. Source of Construction Material:
- a. The use of materials would conform to 43 CFR 3610.2-3.
 - b. No construction materials would be removed from the lease or EDA area.
 - c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.
7. Methods of Handling Waste Disposal:
- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
 - b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
 - c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.

Bill Barrett Corporation
 Surface Use Plan
 LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
 Duchesne County, UT

- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the following state-approved disposal facilities:

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
7. Western Water Solutions – Sand Pass Ranch, Sections 9 and 10, T4S-R1W, permit #WD-01-2011

- 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.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
 - k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
 - l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
 - m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.
8. Ancillary Facilities:
- a. Garbage containers and portable toilets would be located on the well pad.
 - b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
 - c. A powerline corridor is not proposed at this time but may be applied for in the future.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 384 feet x 305 feet with an inboard reserve pit size of 205 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- 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.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

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

11. Surface and Mineral Ownership:

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

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 11-247 (U-11-MQ-0740i,p,s) dated September 29, 2011.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- 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	364 feet	0.191	acres	
Pipeline	245 feet	0	acres	(Within the pad damage area)
	Total	3.858	acres	

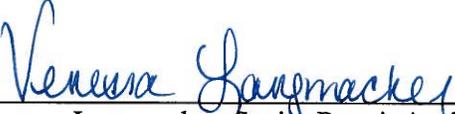
Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

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.

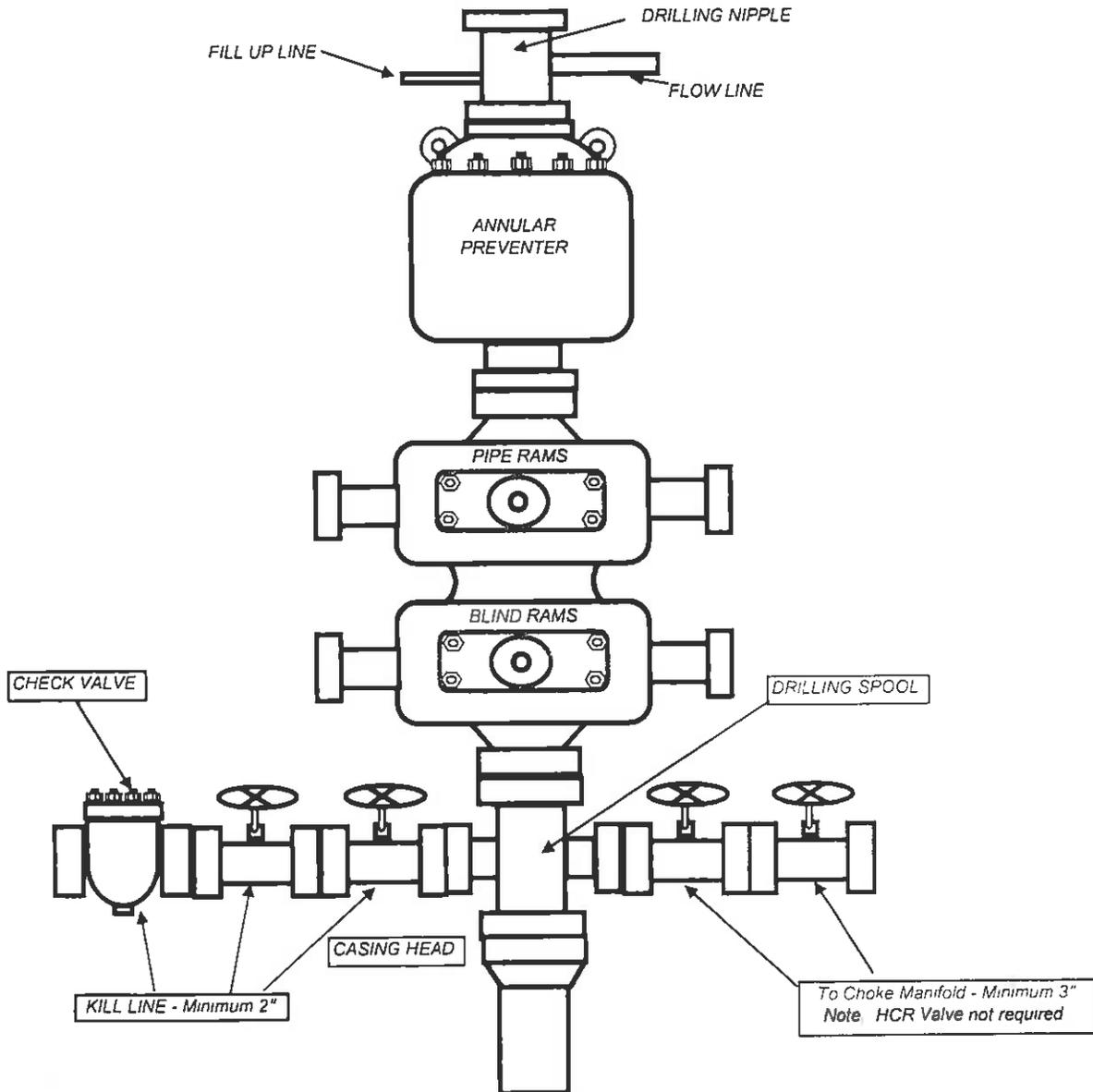
Executed this 23rd day of March 2012
Name: Venessa Langmacher
Position Title: Senior Permit Analyst
Address: 1099 18th Street, Suite 2300, Denver, CO 80202
Telephone: 303-312-8172
E-mail: vlangmacher@billbarrettcorp.com
Field Representative Kary Eldredge / Bill Barrett Corporation
Address: 1820 W. Highway 40, Roosevelt, UT 84066
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)
E-mail: keldredge@billbarrettcorp.com



Venessa Langmacher, Senior Permit Analyst

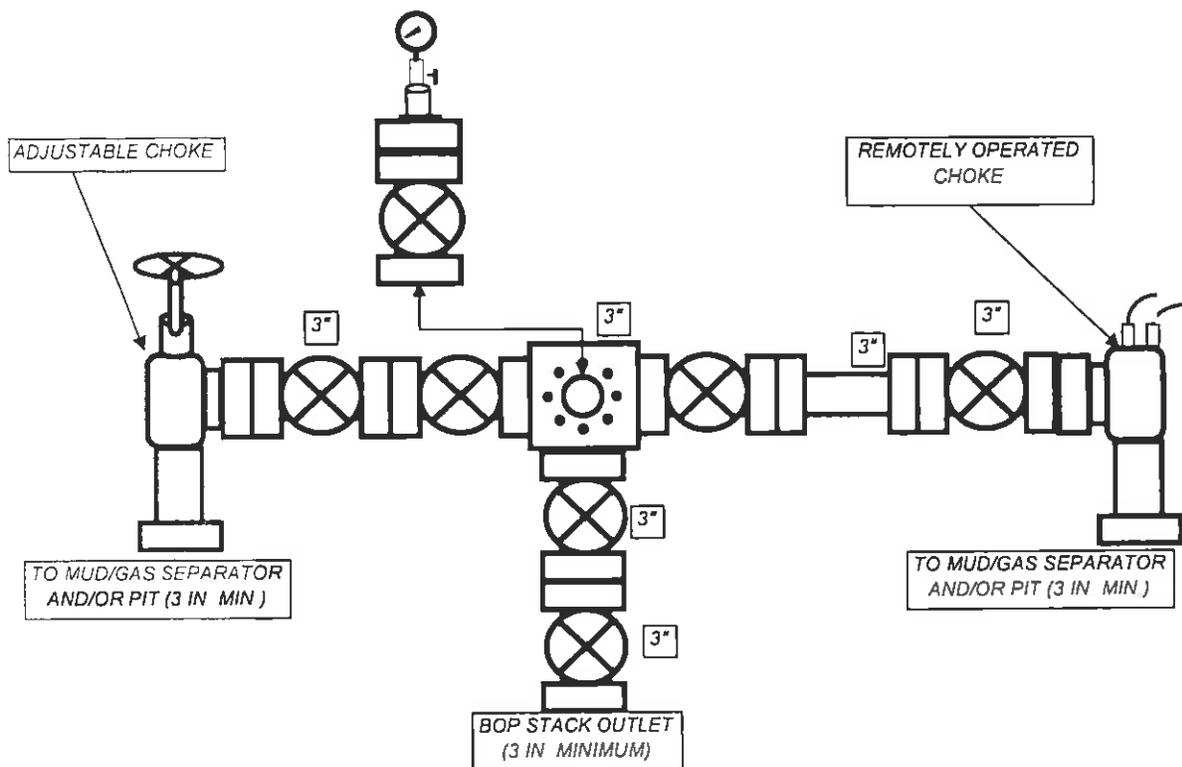
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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





March 23, 2012

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

Re: Directional Drilling R649-3-11
Lake Canyon Area #16-30D-46 LC Tribal Well
Surface: 670' FSL & 685' FEL, SE SE, 30-T4S-R6W, USBM
Bottom Hole: 810' FSL & 810' FEL, SE SE, 30-T4S-R6W, USBM
Duchesne County, Utah

Dear Ms. Mason,

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

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

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

Sincerely,

A handwritten signature in blue ink that reads 'Vanessa Gangmacker'.

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-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 60'

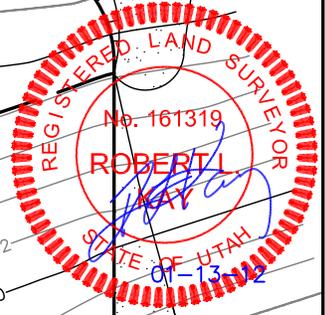
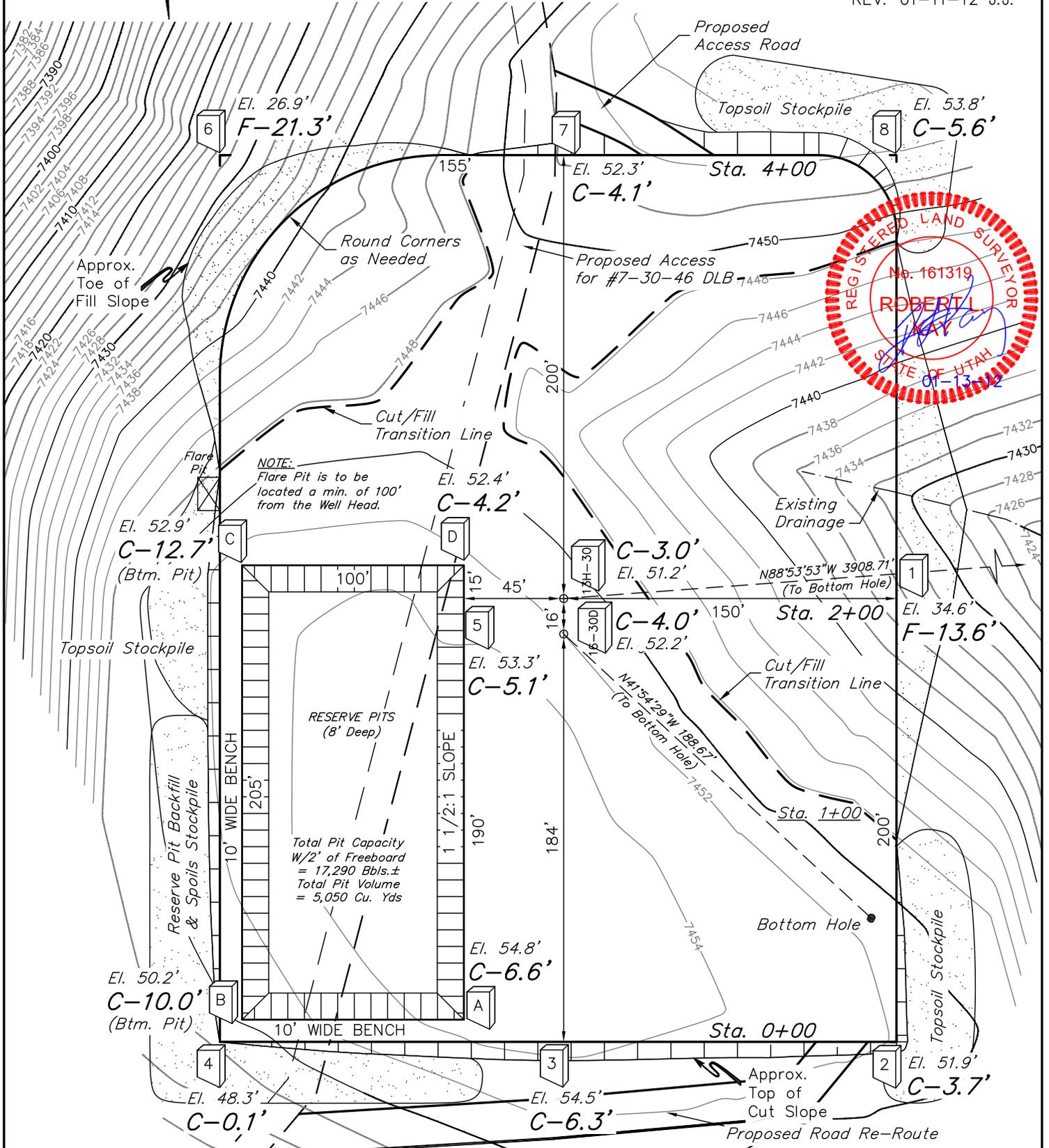
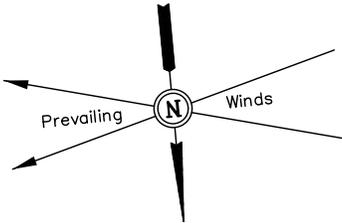
DATE: 08-08-11

DRAWN BY: K.O.

REV: 11-05-11

REV: 11-30-11 B.D.H.

REV: 01-11-12 J.J.



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

RESERVE PITS (8' Deep)
Total Pit Capacity W/2' of Freeboard = 17,290 Bbls.±
Total Pit Volume = 5,050 Cu. Yds

Elev. Ungraded Ground At #13H-30 Loc. Stake = 7451.2'
FINISHED GRADE ELEV. AT #13H-30 LOC. STAKE = 7448.2'

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

RECEIVED: March 23, 2012

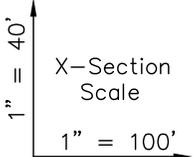
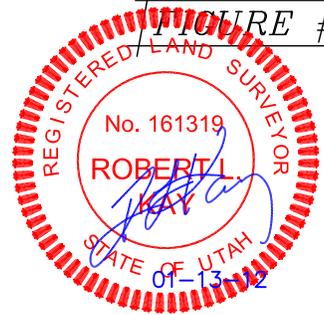
BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

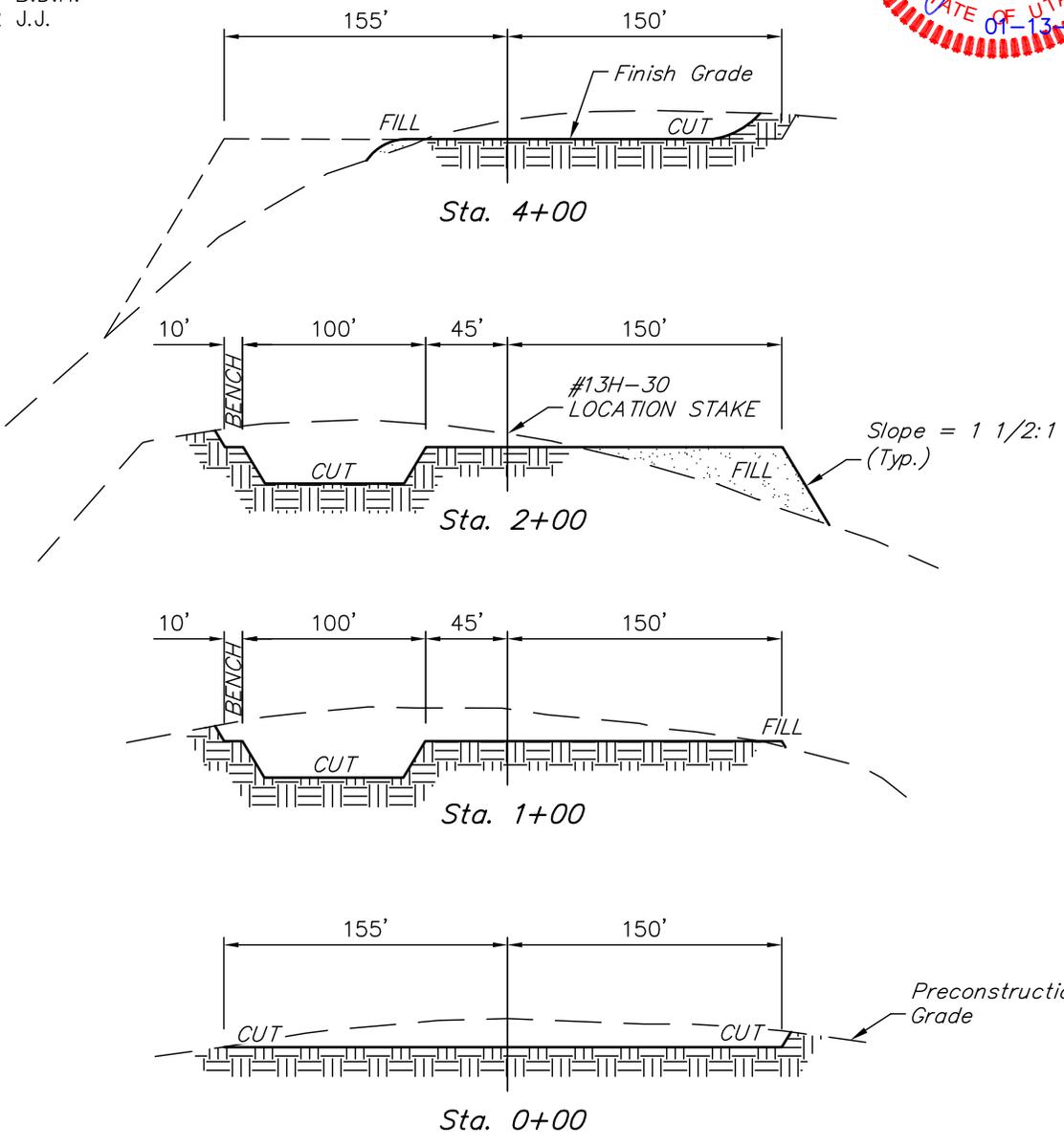
LC TRIBAL #13H-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4



DATE: 08-08-11
 DRAWN BY: K.O.
 REV: 11-05-11
 REV: 11-30-11 B.D.H.
 REV: 01-11-12 J.J.



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

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	=	5,270 Cu. Yds.
Remaining Location	=	15,310 Cu. Yds.
TOTAL CUT	=	20,580 CU.YDS.
FILL	=	12,780 CU.YDS.

EXCESS MATERIAL	=	7,800 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	7,800 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-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4

FIGURE #3

SCALE: 1" = 60'

DATE: 08-08-11

DRAWN BY: K.O.

REV: 01-07-11

REV: 11-30-11 S.D.H.

REV: 01-11-12 J.J.

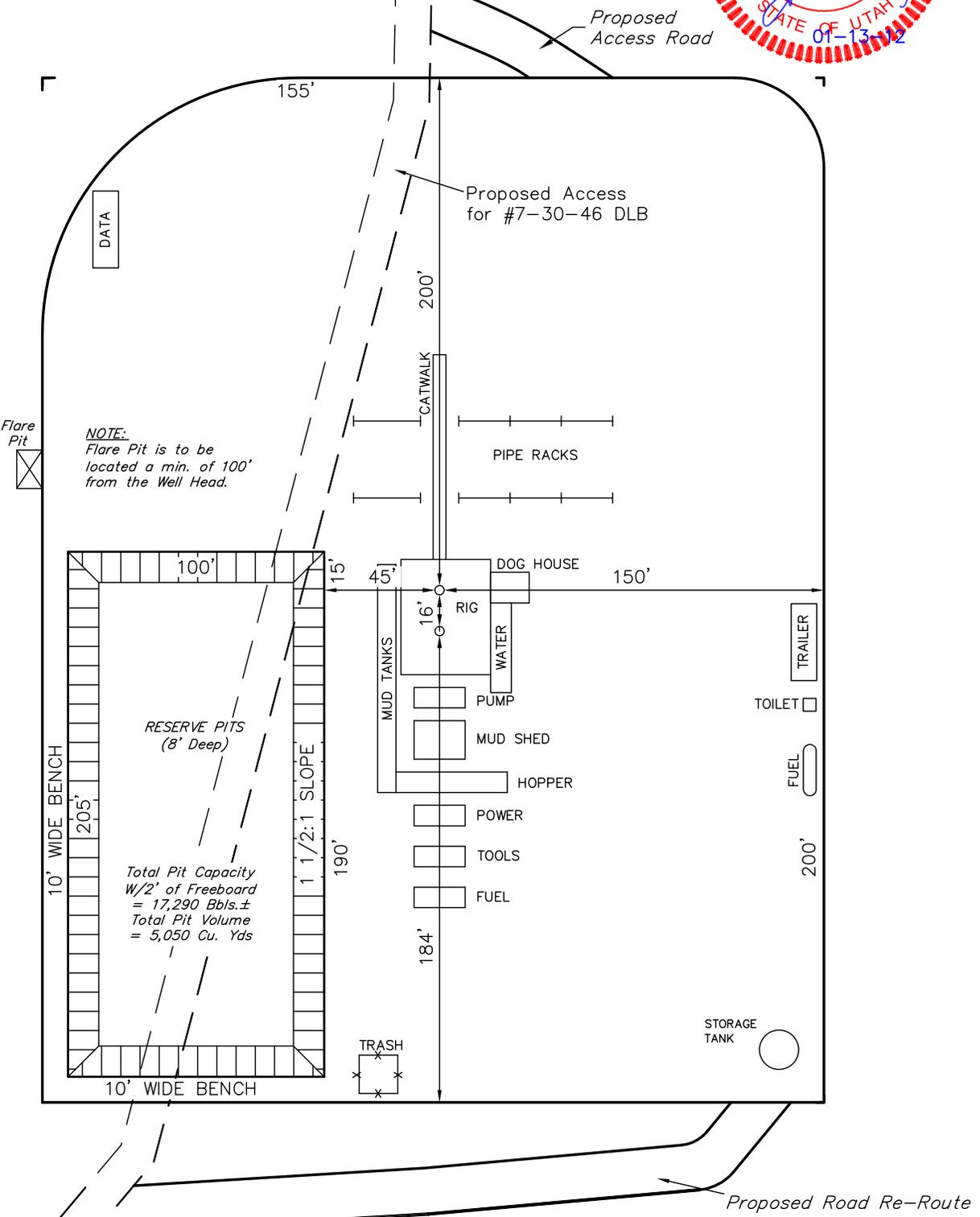
No. 161319

ROBERT L. KAY

REGISTERED PROFESSIONAL SURVEYOR

STATE OF UTAH

01-13-12



Total Pit Capacity
 W/2' of Freeboard
 = 17,290 Bbls.±
 Total Pit Volume
 = 5,050 Cu. Yds

BILL BARRETT CORPORATION

INTERIM RECLAMATION PLAN FOR

LC TRIBAL #13H-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4

FIGURE #4

SCALE: 1" = 60'

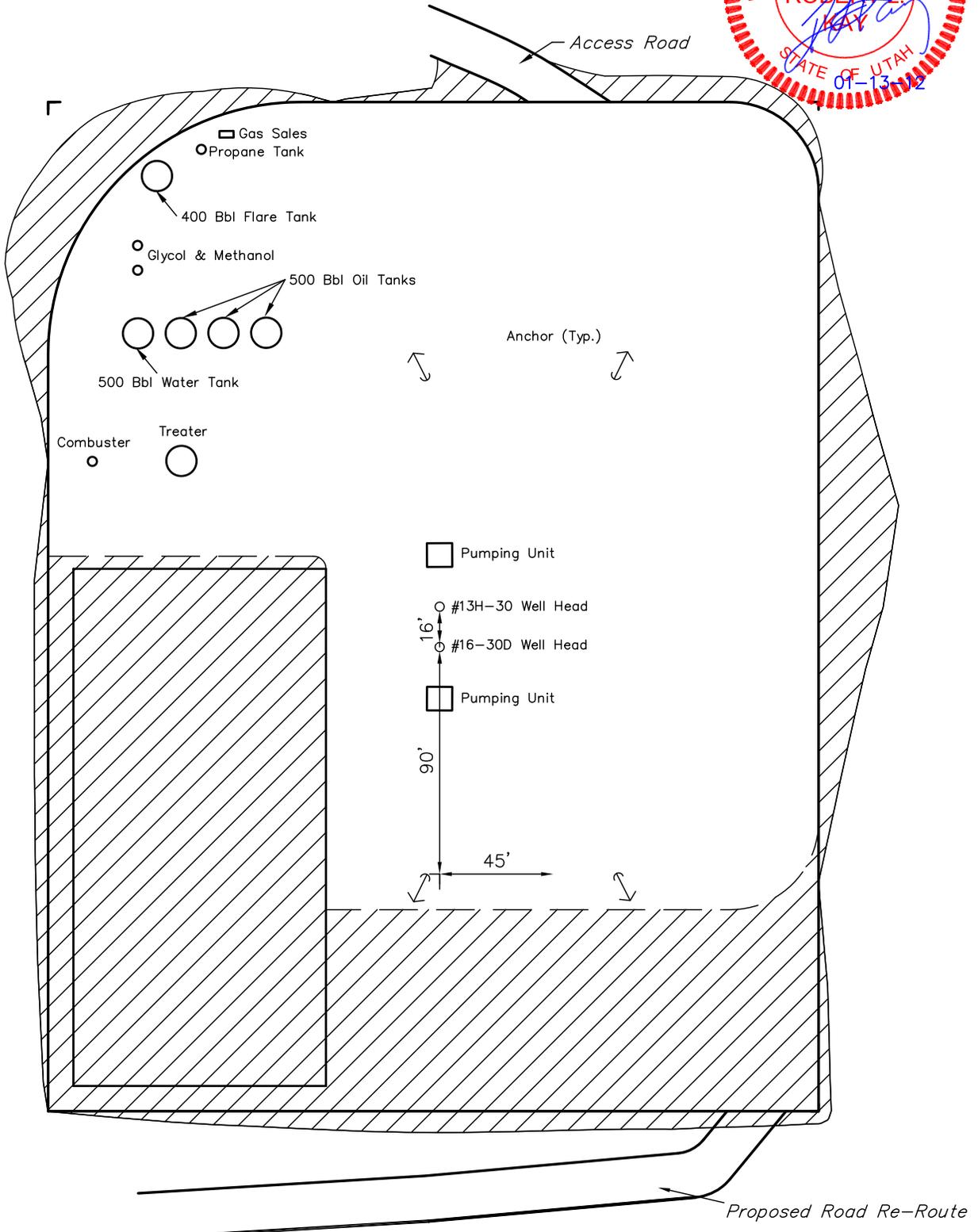
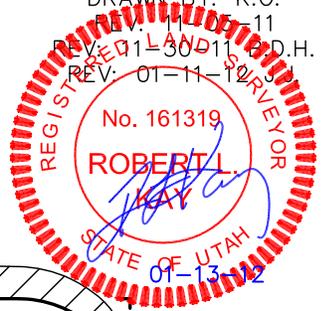
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DRAWN BY: K.O.

REV: 01-11-11

REV: 01-30-11 D.H.

REV: 01-11-12

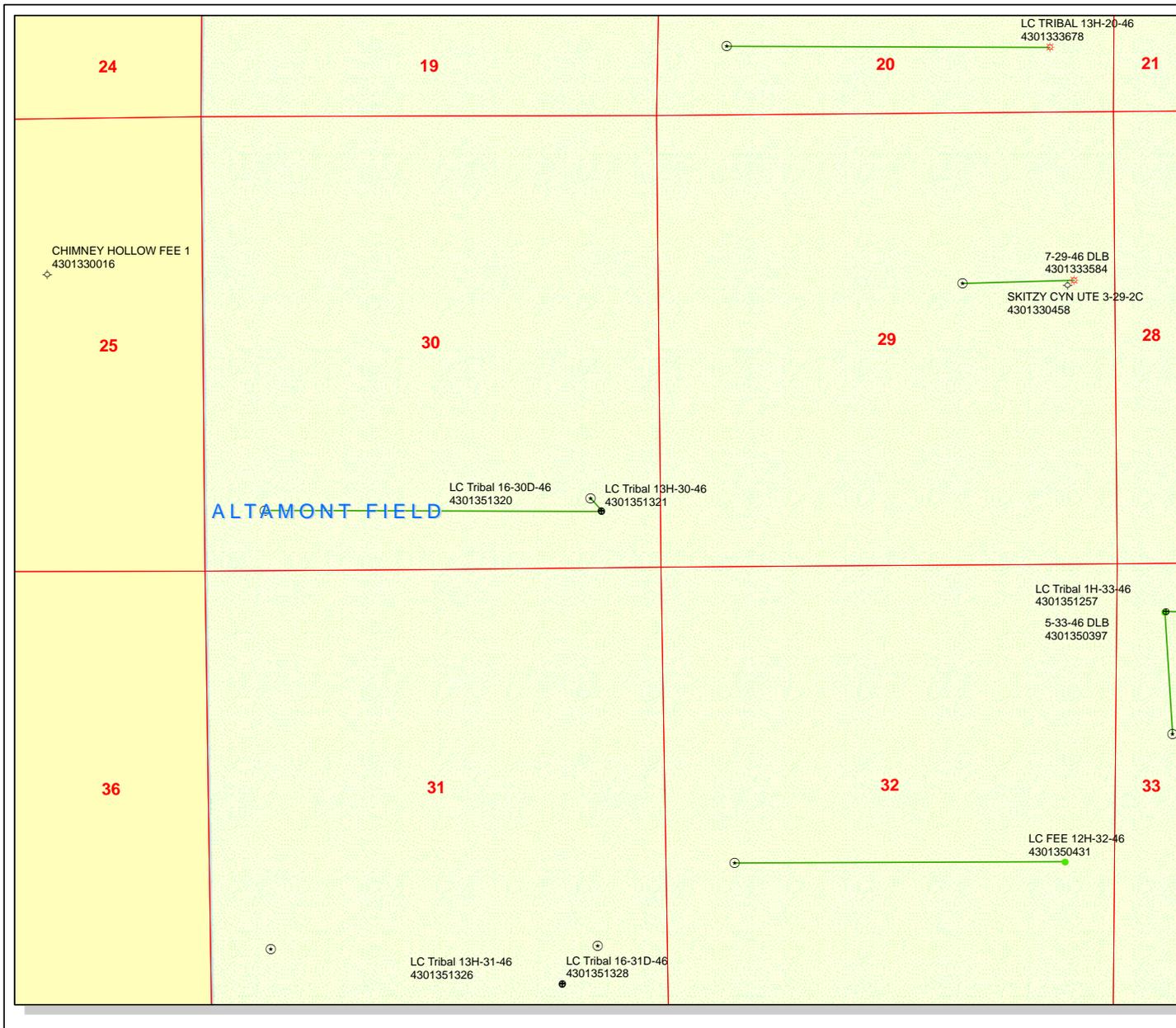


INTERIM RECLAMATION

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 1.870 ACRES

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

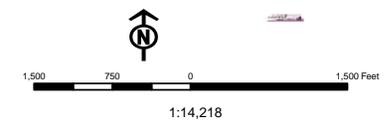
RECEIVED: March 23, 2012



API Number: 4301351320
Well Name: LC Tribal 16-30D-46
 Township T0.4 . Range R0.6 . Section 30
 Meridian: UBM
 Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

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



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/23/2012

API NO. ASSIGNED: 43013513200000

WELL NAME: LC Tribal 16-30D-46

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SESE 30 040S 060W

Permit Tech Review:

SURFACE: 0670 FSL 0685 FEL

Engineering Review:

BOTTOM: 0810 FSL 0810 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.09865

LONGITUDE: -110.59848

UTM SURF EASTINGS: 534224.00

NORTHINGS: 4438783.00

FIELD NAME: ALTAMONT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005500

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

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
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: LC Tribal 16-30D-46

API Well Number: 43013513200000

Lease Number: 2OG0005500

Surface Owner: INDIAN

Approval Date: 4/4/2012

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

Duration:

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

General:

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

Conditions of Approval:

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

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

Notification Requirements:

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil &

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

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written 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 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER LC Tribal 16-30D-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 Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8164					
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 20G0005500			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Uintah and Ouray			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		670 FSL 685 FEL		SESE	30	4.0 S	6.0 W	U			
Top of Uppermost Producing Zone		809 FSL 811 FEL		SESE	30	4.0 S	6.0 W	U			
At Total Depth		810 FSL 810 FEL		SESE	30	4.0 S	6.0 W	U			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 810			23. NUMBER OF ACRES IN DRILLING UNIT 640					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 4981			26. PROPOSED DEPTH MD: 7199 TVD: 7193					
27. ELEVATION - GROUND LEVEL 7452			28. BOND NUMBER LPM8874725			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-180					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown		0	0.0	0.0
Surf	12.25	9.625	0 - 1700	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		220	3.16	11.0
							Halliburton Premium , Type Unknown		210	1.36	14.8
Prod	8.75	5.5	0 - 7199	17.0	P-110 LT&C	9.7	Unknown		570	2.31	11.0
							Unknown		690	1.42	13.5
ATTACHMENTS											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Venessa Langmacher			TITLE Senior Permit Analyst			PHONE 303 312-8172					
SIGNATURE			DATE 03/23/2012			EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43013513200000			APPROVAL			 Permit Manager					

BILL BARRETT CORPORATION
DRILLING PLAN
1/04/2011

LC Tribal 16-30D-46

SE SE, 670' FSL and 685' FEL, Section 30, T4S-R6W, USB&M (surface hole)
 SE SE, 810' FSL and 810' FEL, Section 30, T4S-R6W, USB&M (bottom hole)
 Duchesne County, Utah

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

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Lower Green River*	3,641'	3,638'
Douglas Creek	4,448'	4,443'
Black Shale	5,163'	5,158'
Castle Peak	5,468'	5,463'
Uteland Butte	5,741'	5,736'
Wasatch*	5,978'	5,973'
TD	7,199'	7,193'

*PROSPECTIVE PAY

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

Base of Useable Water = 4,863'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,700'	No pressure control required
1,700' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,700'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation
 Drilling Program
 LC Tribal 16-30D-46
 Duchesne County, Utah

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 220 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 1,200'
5 1/2" Production Casing	Lead: 570 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,200' Tail: 690 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 4,663'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 1,700'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,700' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

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

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3590 psi* and maximum anticipated surface pressure equals approximately 2008 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)

Bill Barrett Corporation
Drilling Program
LC Tribal 16-30D-46
Duchesne County, Utah

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

11. Drilling Schedule

Location Construction: November 2012
Spud: November 2012
Duration: 15 days drilling time
45 days completion time



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: LC Tribal 16-30D-46

Surface Hole Data:

Total Depth:	1,700'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	657.7	ft ³
Lead Fill:	1,200'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	220
--------------	-----

Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,200'	

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

Production Hole Data:

Total Depth:	7,199'
Top of Cement:	1,200'
Top of Tail:	4,663'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1312.1	ft ³
Lead Fill:	3,463'	
Tail Volume:	961.0	ft ³
Tail Fill:	2,536'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	570
# SK's Tail:	690

LC Tribal 16-30D-46 Proposed Cementing Program

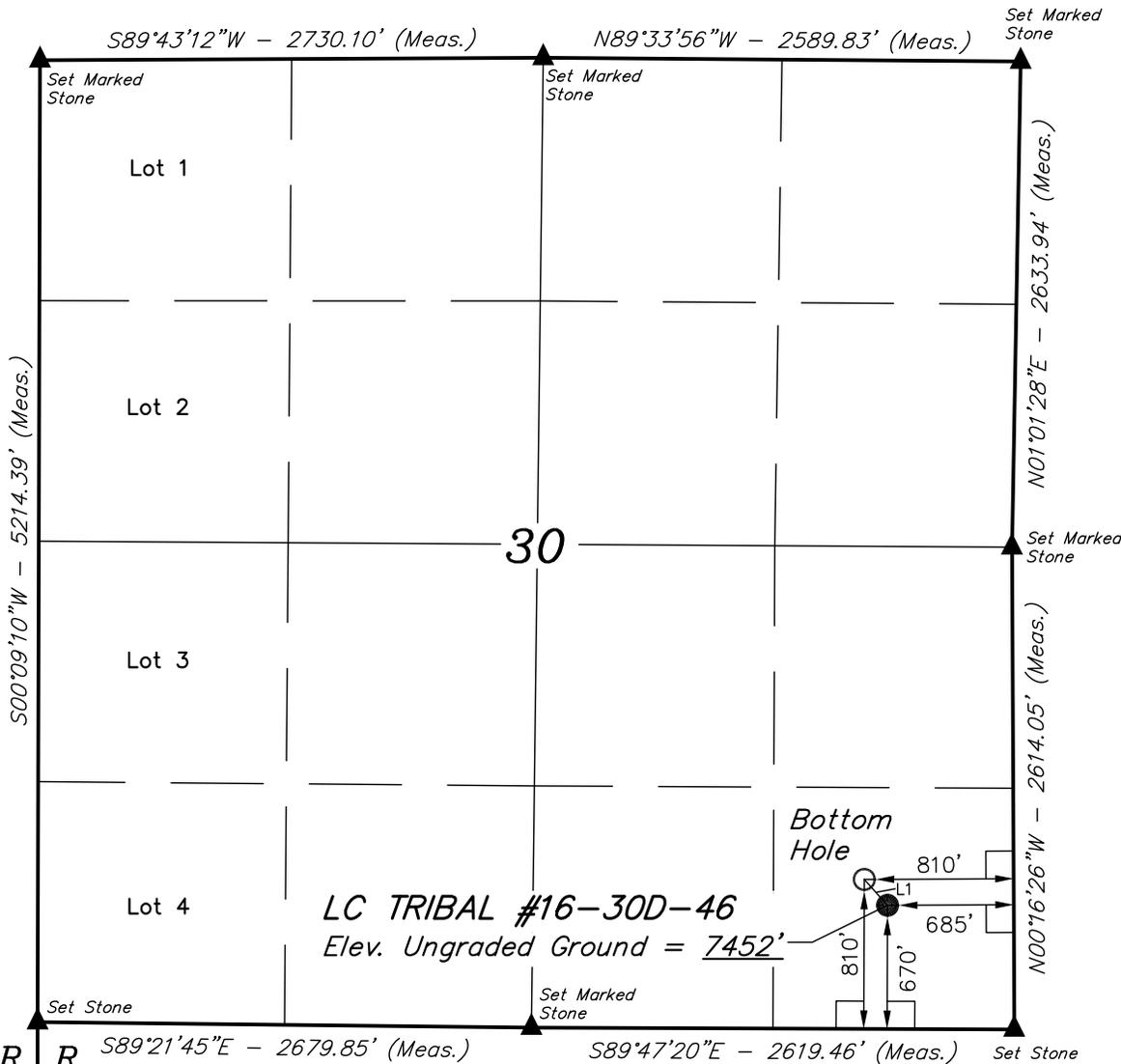
<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (1200' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,200'
	Volume: 117.13 bbl
	Proposed Sacks: 220 sks
Tail Cement - (TD - 1200')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,200'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4663' - 1200')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 1,200'
	Calculated Fill: 3,463'
	Volume: 233.68 bbl
	Proposed Sacks: 570 sks
Tail Cement - (7199' - 4663')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 4,663'
	Calculated Fill: 2,536'
	Volume: 171.14 bbl
	Proposed Sacks: 690 sks

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

BILL BARRETT CORPORATION

Well location, LC TRIBAL #16-30D-46, located as shown in the SE 1/4 SE 1/4 of Section 30, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

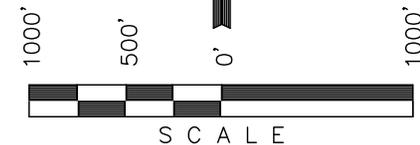


BASIS OF ELEVATION

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

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



CERTIFICATE

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

ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH
 11-08-11

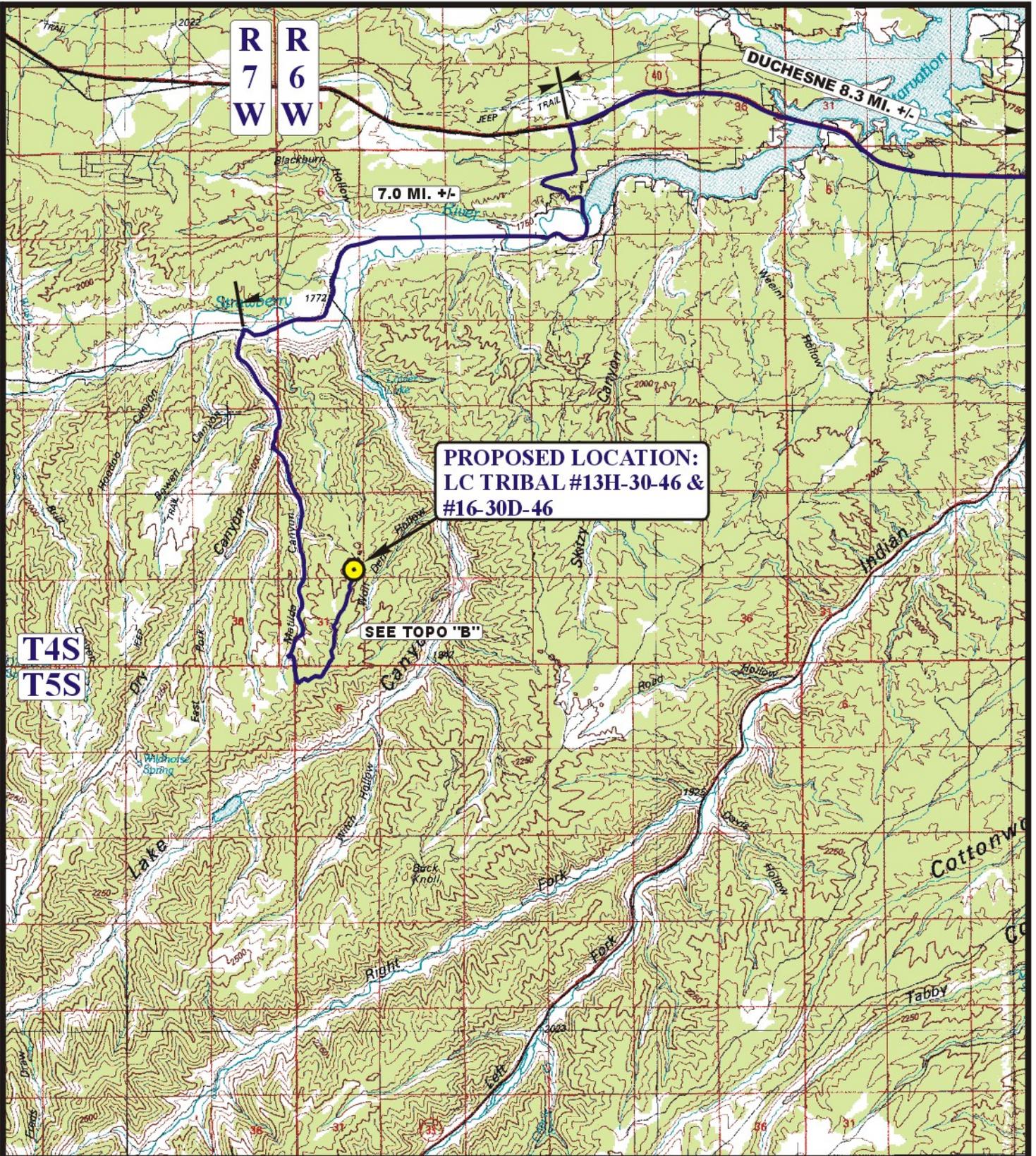
R
7
W
R
6
W

LINE TABLE		
LINE	BEARING	LENGTH
L1	N41°54'29"W	188.67'

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°05'56.69" (40.099081)	LONGITUDE = 110°35'55.64" (110.598789)	LATITUDE = 40°05'55.31" (40.098697)	LONGITUDE = 110°35'54.01" (110.598336)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°05'56.84" (40.099122)	LONGITUDE = 110°35'53.08" (110.598078)	LATITUDE = 40°05'55.46" (40.098739)	LONGITUDE = 110°35'51.45" (110.597625)

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

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 11-03-11	DATE DRAWN: 11-05-11
PARTY T.A. C.N. K.O.		REFERENCES G.L.O. PLAT
WEATHER COOL	FILE BILL BARRETT CORPORATION	



**PROPOSED LOCATION:
LC TRIBAL #13H-30-46 &
#16-30D-46**

SEE TOPO "B"

**T4S
T5S**

**R7W
R6W**

LEGEND:

 PROPOSED LOCATION



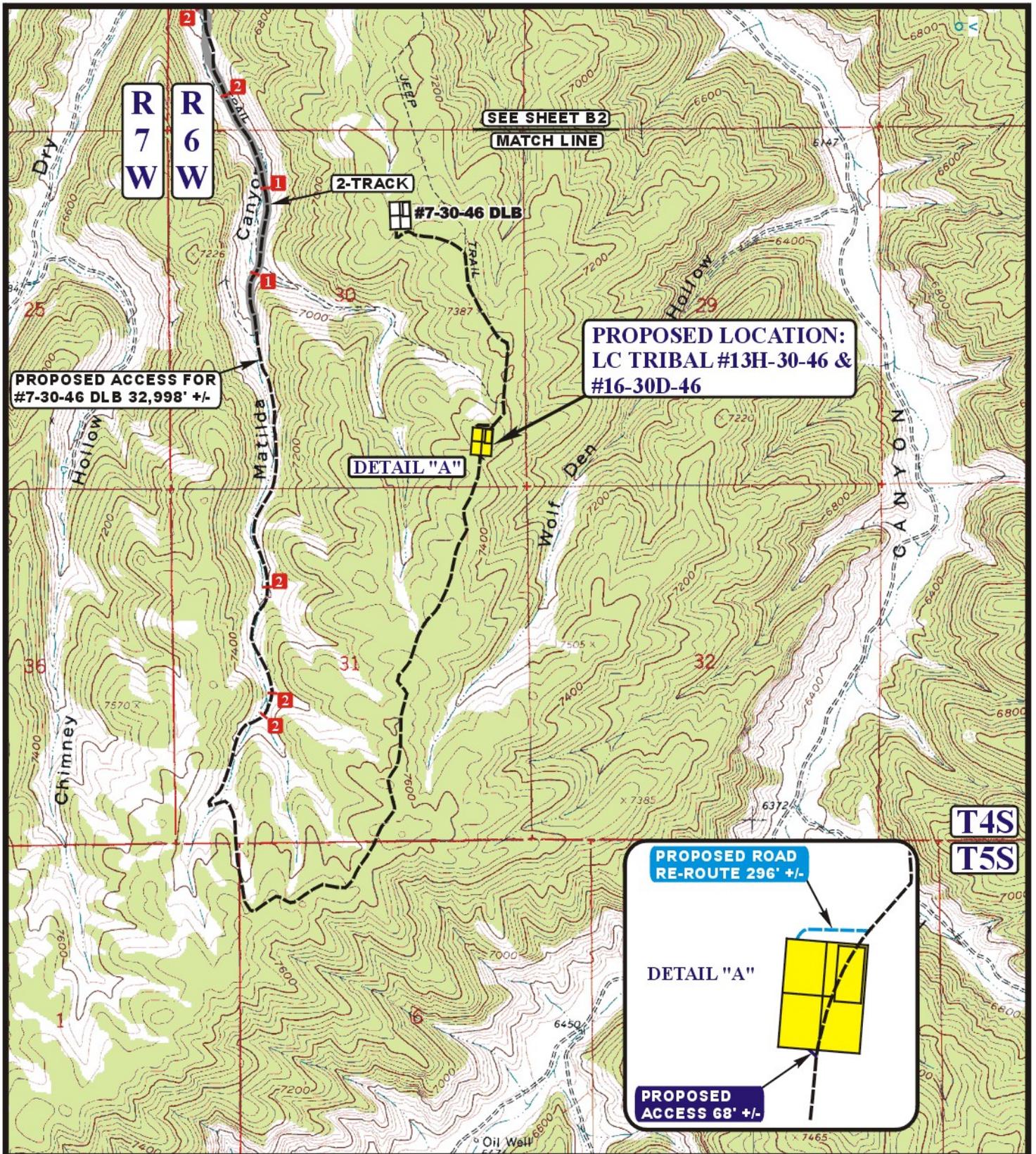
BILL BARRETT CORPORATION

**LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4**



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

ACCESS ROAD MAP	07	22	11	A TOPO
	MONTH	DAY	YEAR	
SCALE: 1:100,000		DRAWN BY: J.L.G.		REVISED: 01-12-12



LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING 2-TRACK NEEDS UPGRADED
-  18" CMP REQUIRED
-  LOW WATER CROSSING REQUIRED

BILL BARRETT CORPORATION

**LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4**



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

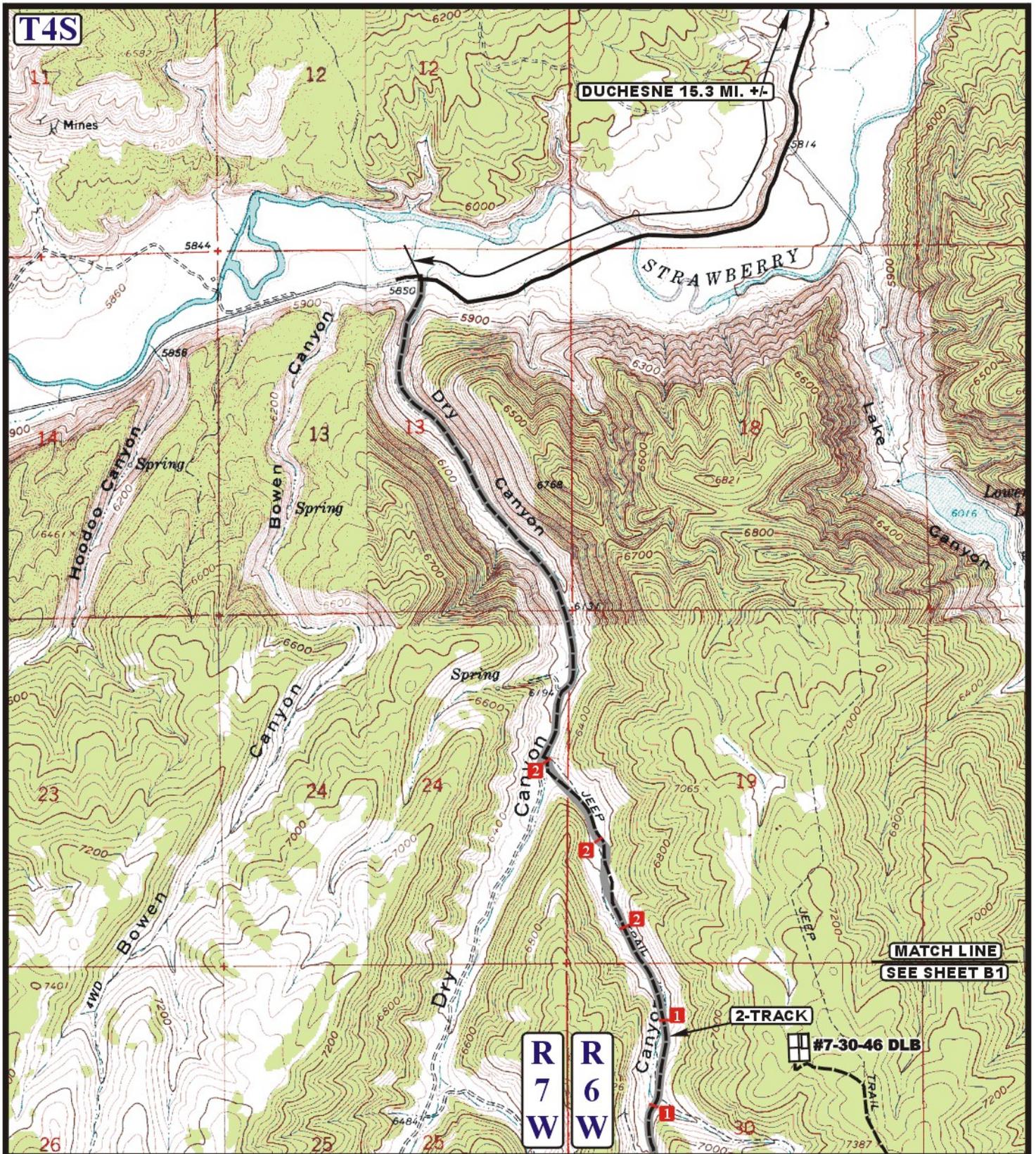


**ACCESS ROAD
MAP**

07 MONTH	22 DAY	11 YEAR
--------------------	------------------	-------------------

**B1
TOPO**

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 01-12-12



DUCHESNE 15.3 MI. +/-

MATCH LINE
SEE SHEET B1

R
7
W

R
6
W

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- 18" CMP REQUIRED
- LOW WATER CROSSING REQUIRED

BILL BARRETT CORPORATION

LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4



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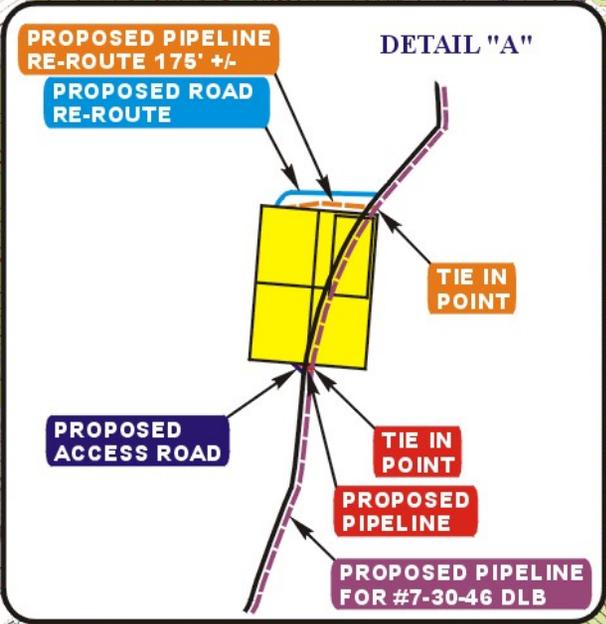
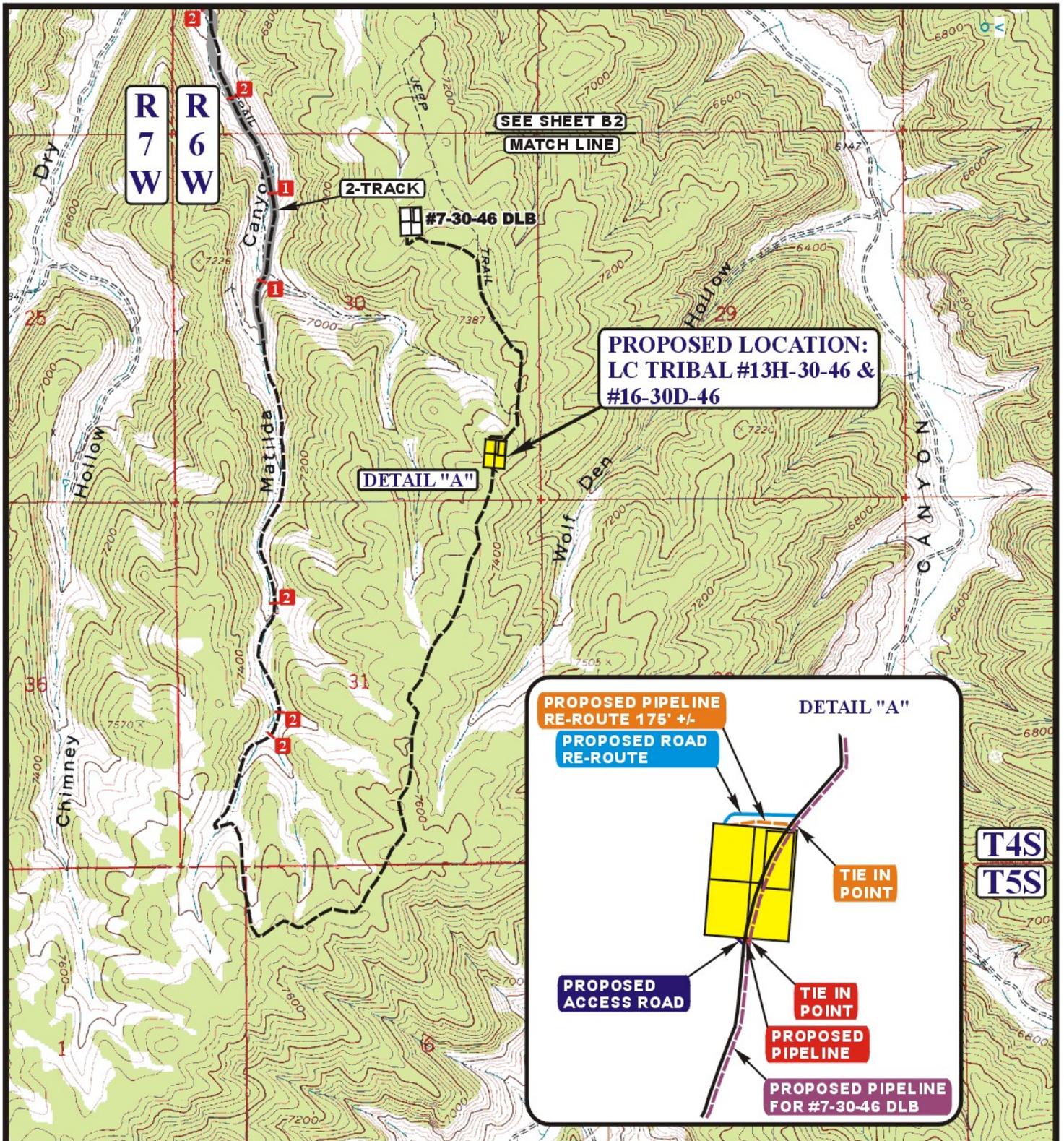


ACCESS ROAD
MAP

07	22	11
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 01-12-12

B2
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 70' +/-

LEGEND:

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



BILL BARRETT CORPORATION

**LC TRIBAL #13H-30-46 & #16-30D-46
SECTION 30, T4S, R6W, U.S.B.&M.
SE 1/4 SE 1/4**



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

TOPOGRAPHIC MAP	07	22	11	C TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: J.L.G.		REVISED: 01-12-12



SITE DETAILS: 16-30D-46 LC Tribal
Lake Canyon

Site Latitude: 40° 5' 55.460 N
Site Longitude: 110° 35' 51.450 W

Positional Uncertainty: 0.0
Convergence: 0.58
Local North: True

WELL DETAILS: 16-30D-46 LC Tribal

Ground Level: 7452.0

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

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	644284.14	2252427.08	40° 5' 55.460 N	110° 35' 51.450 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
16-30D-46 LC Tribal 3PT MKR	4813.0	139.5	-126.7	40° 5' 56.839 N	110° 35' 53.081 W	Rectangle (Sides: L200.0 W200.0)
16-30D-46 LC Tribal PBHL	7193.0	139.5	-126.7	40° 5' 56.839 N	110° 35' 53.081 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

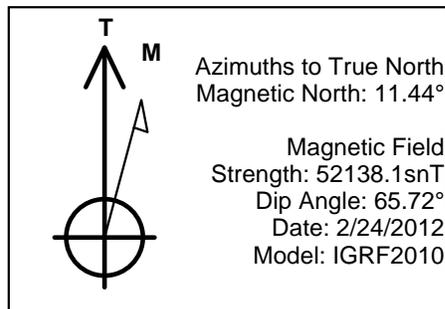
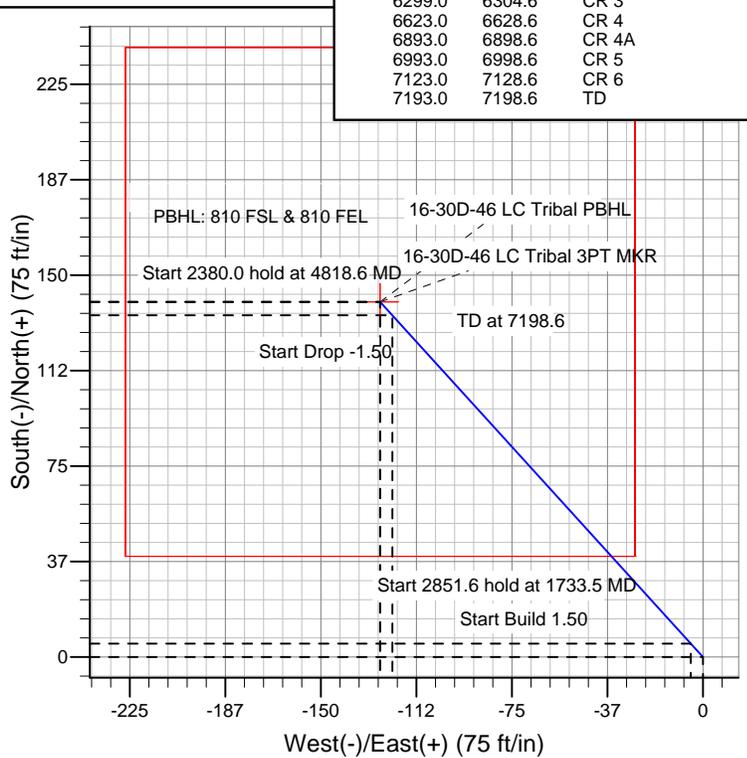
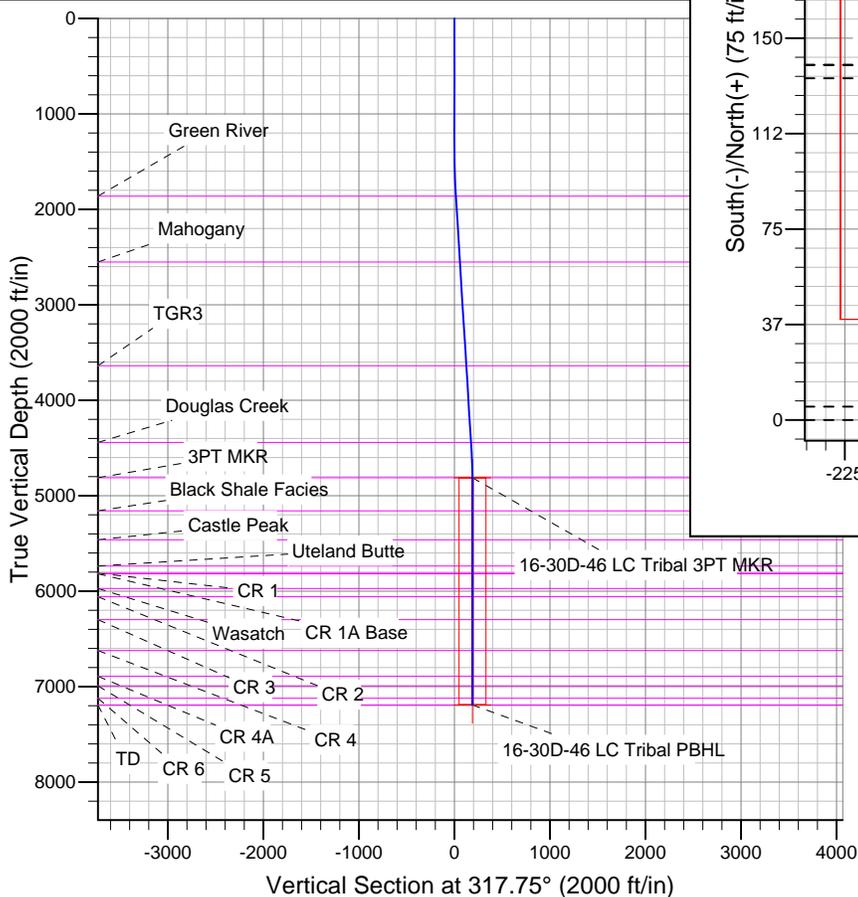
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1733.5	3.50	317.75	1733.3	5.3	-4.8	1.50	317.75	7.1	
4	4585.1	3.50	317.75	4579.7	134.2	-121.9	0.00	0.00	181.3	
5	4818.6	0.00	0.00	4813.0	139.5	-126.7	1.50	180.00	188.5	16-30D-46 LC Tribal 3PT MKR
6	7198.6	0.00	0.00	7193.0	139.5	-126.7	0.00	0.00	188.5	16-30D-46 LC Tribal PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1863.0	1863.4	Green River
2553.0	2554.7	Mahogany
3638.0	3641.7	TGR3
4443.0	4448.2	Douglas Creek
4813.0	4818.6	3PT MKR
5158.0	5163.6	Black Shale Facies
5463.0	5468.6	Castle Peak
5736.0	5741.6	Uteland Butte
5813.0	5818.6	CR 1
5818.0	5823.6	CR 1A Base
5973.0	5978.6	Wasatch
6058.0	6063.6	CR 2
6299.0	6304.6	CR 3
6623.0	6628.6	CR 4
6893.0	6898.6	CR 4A
6993.0	6998.6	CR 5
7123.0	7128.6	CR 6
7193.0	7198.6	TD

CASING DETAILS

No casing data is available



Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-30D-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7468.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7468.0ft (Original Well Elev)
Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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	16-30D-46 LC Tribal				
Site Position:		Northing:	644,284.14 ft	Latitude:	40° 5' 55.460 N
From:	Lat/Long	Easting:	2,252,427.08 ft	Longitude:	110° 35' 51.450 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.58 °

Well	16-30D-46 LC Tribal					
Well Position	+N/-S	0.0 ft	Northing:	644,284.14 ft	Latitude:	40° 5' 55.460 N
	+E/-W	0.0 ft	Easting:	2,252,427.08 ft	Longitude:	110° 35' 51.450 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,452.0 ft

Wellbore	16-30D-46 LC Tribal				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/24/2012	11.45	65.72	52,138

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	317.75

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,733.5	3.50	317.75	1,733.3	5.3	-4.8	1.50	1.50	0.00	317.75	
4,585.1	3.50	317.75	4,579.7	134.2	-121.9	0.00	0.00	0.00	0.00	
4,818.6	0.00	0.00	4,813.0	139.5	-126.7	1.50	-1.50	0.00	180.00	16-30D-46 LC Tribal
7,198.6	0.00	0.00	7,193.0	139.5	-126.7	0.00	0.00	0.00	0.00	16-30D-46 LC Tribal

Bill Barrett Corp

Planning Report

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Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7468.0ft (Original Well Elev)
Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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	1.50	317.75	1,600.0	1.0	-0.9	1.3	1.50	1.50	0.00
1,700.0	3.00	317.75	1,699.9	3.9	-3.5	5.2	1.50	1.50	0.00
1,733.5	3.50	317.75	1,733.3	5.3	-4.8	7.1	1.50	1.50	0.00
1,800.0	3.50	317.75	1,799.7	8.3	-7.5	11.2	0.00	0.00	0.00
1,863.4	3.50	317.75	1,863.0	11.2	-10.1	15.1	0.00	0.00	0.00
Green River									
1,900.0	3.50	317.75	1,899.5	12.8	-11.6	17.3	0.00	0.00	0.00
2,000.0	3.50	317.75	1,999.4	17.3	-15.7	23.4	0.00	0.00	0.00
2,100.0	3.50	317.75	2,099.2	21.9	-19.9	29.5	0.00	0.00	0.00
2,200.0	3.50	317.75	2,199.0	26.4	-24.0	35.6	0.00	0.00	0.00
2,300.0	3.50	317.75	2,298.8	30.9	-28.1	41.7	0.00	0.00	0.00
2,400.0	3.50	317.75	2,398.6	35.4	-32.2	47.9	0.00	0.00	0.00
2,500.0	3.50	317.75	2,498.4	39.9	-36.3	54.0	0.00	0.00	0.00
2,554.7	3.50	317.75	2,553.0	42.4	-38.5	57.3	0.00	0.00	0.00
Mahogany									
2,600.0	3.50	317.75	2,598.2	44.5	-40.4	60.1	0.00	0.00	0.00
2,700.0	3.50	317.75	2,698.0	49.0	-44.5	66.2	0.00	0.00	0.00
2,800.0	3.50	317.75	2,797.9	53.5	-48.6	72.3	0.00	0.00	0.00
2,900.0	3.50	317.75	2,897.7	58.0	-52.7	78.4	0.00	0.00	0.00
3,000.0	3.50	317.75	2,997.5	62.6	-56.8	84.5	0.00	0.00	0.00
3,100.0	3.50	317.75	3,097.3	67.1	-60.9	90.6	0.00	0.00	0.00
3,200.0	3.50	317.75	3,197.1	71.6	-65.0	96.7	0.00	0.00	0.00
3,300.0	3.50	317.75	3,296.9	76.1	-69.1	102.8	0.00	0.00	0.00
3,400.0	3.50	317.75	3,396.7	80.6	-73.2	108.9	0.00	0.00	0.00
3,500.0	3.50	317.75	3,496.6	85.2	-77.4	115.1	0.00	0.00	0.00
3,600.0	3.50	317.75	3,596.4	89.7	-81.5	121.2	0.00	0.00	0.00
3,641.7	3.50	317.75	3,638.0	91.6	-83.2	123.7	0.00	0.00	0.00
TGR3									
3,700.0	3.50	317.75	3,696.2	94.2	-85.6	127.3	0.00	0.00	0.00
3,800.0	3.50	317.75	3,796.0	98.7	-89.7	133.4	0.00	0.00	0.00
3,900.0	3.50	317.75	3,895.8	103.3	-93.8	139.5	0.00	0.00	0.00
4,000.0	3.50	317.75	3,995.6	107.8	-97.9	145.6	0.00	0.00	0.00
4,100.0	3.50	317.75	4,095.4	112.3	-102.0	151.7	0.00	0.00	0.00
4,200.0	3.50	317.75	4,195.2	116.8	-106.1	157.8	0.00	0.00	0.00
4,300.0	3.50	317.75	4,295.1	121.3	-110.2	163.9	0.00	0.00	0.00
4,400.0	3.50	317.75	4,394.9	125.9	-114.3	170.0	0.00	0.00	0.00
4,448.2	3.50	317.75	4,443.0	128.0	-116.3	173.0	0.00	0.00	0.00
Douglas Creek									

Bill Barrett Corp

Planning Report

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Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7468.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7468.0ft (Original Well Elev)
Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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)
4,500.0	3.50	317.75	4,494.7	130.4	-118.4	176.1	0.00	0.00	0.00
4,585.1	3.50	317.75	4,579.7	134.2	-121.9	181.3	0.00	0.00	0.00
4,600.0	3.28	317.75	4,594.5	134.9	-122.5	182.2	1.50	-1.50	0.00
4,700.0	1.78	317.75	4,694.4	138.2	-125.5	186.6	1.50	-1.50	0.00
4,800.0	0.28	317.75	4,794.4	139.5	-126.7	188.4	1.50	-1.50	0.00
4,818.6	0.00	0.00	4,813.0	139.5	-126.7	188.5	1.50	-1.50	0.00
3PT MKR									
4,900.0	0.00	0.00	4,894.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,000.0	0.00	0.00	4,994.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,100.0	0.00	0.00	5,094.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,163.6	0.00	0.00	5,158.0	139.5	-126.7	188.5	0.00	0.00	0.00
Black Shale Facies									
5,200.0	0.00	0.00	5,194.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,300.0	0.00	0.00	5,294.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,400.0	0.00	0.00	5,394.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,468.6	0.00	0.00	5,463.0	139.5	-126.7	188.5	0.00	0.00	0.00
Castle Peak									
5,500.0	0.00	0.00	5,494.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,600.0	0.00	0.00	5,594.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,700.0	0.00	0.00	5,694.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,741.6	0.00	0.00	5,736.0	139.5	-126.7	188.5	0.00	0.00	0.00
Uteland Butte									
5,800.0	0.00	0.00	5,794.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,818.6	0.00	0.00	5,813.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 1									
5,823.6	0.00	0.00	5,818.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 1A Base									
5,900.0	0.00	0.00	5,894.4	139.5	-126.7	188.5	0.00	0.00	0.00
5,978.6	0.00	0.00	5,973.0	139.5	-126.7	188.5	0.00	0.00	0.00
Wasatch									
6,000.0	0.00	0.00	5,994.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,063.6	0.00	0.00	6,058.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 2									
6,100.0	0.00	0.00	6,094.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,200.0	0.00	0.00	6,194.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,300.0	0.00	0.00	6,294.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,304.6	0.00	0.00	6,299.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 3									
6,400.0	0.00	0.00	6,394.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,500.0	0.00	0.00	6,494.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,600.0	0.00	0.00	6,594.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,628.6	0.00	0.00	6,623.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 4									
6,700.0	0.00	0.00	6,694.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,800.0	0.00	0.00	6,794.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,898.6	0.00	0.00	6,893.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 4A									
6,900.0	0.00	0.00	6,894.4	139.5	-126.7	188.5	0.00	0.00	0.00
6,998.6	0.00	0.00	6,993.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 5									
7,000.0	0.00	0.00	6,994.4	139.5	-126.7	188.5	0.00	0.00	0.00
7,100.0	0.00	0.00	7,094.4	139.5	-126.7	188.5	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-30D-46 LC Tribal
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 7468.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 7468.0ft (Original Well Elev)
Site:	16-30D-46 LC Tribal	North Reference:	True
Well:	16-30D-46 LC Tribal	Survey Calculation Method:	Minimum Curvature
Wellbore:	16-30D-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)
7,128.6	0.00	0.00	7,123.0	139.5	-126.7	188.5	0.00	0.00	0.00
CR 6									
7,198.6	0.00	0.00	7,193.0	139.5	-126.7	188.5	0.00	0.00	0.00
TD									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,863.4	1,863.0	Green River		0.00	
2,554.7	2,553.0	Mahogany		0.00	
3,641.7	3,638.0	TGR3		0.00	
4,448.2	4,443.0	Douglas Creek		0.00	
4,818.6	4,813.0	3PT MKR		0.00	
5,163.6	5,158.0	Black Shale Facies		0.00	
5,468.6	5,463.0	Castle Peak		0.00	
5,741.6	5,736.0	Uteland Butte		0.00	
5,818.6	5,813.0	CR 1		0.00	
5,823.6	5,818.0	CR 1A Base		0.00	
5,978.6	5,973.0	Wasatch		0.00	
6,063.6	6,058.0	CR 2		0.00	
6,304.6	6,299.0	CR 3		0.00	
6,628.6	6,623.0	CR 4		0.00	
6,898.6	6,893.0	CR 4A		0.00	
6,998.6	6,993.0	CR 5		0.00	
7,128.6	7,123.0	CR 6		0.00	
7,198.6	7,193.0	TD		0.00	

SURFACE USE PLAN**BILL BARRETT CORPORATION**
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, Utah

<u>LC Tribal 13H-30-46</u>	<u>LC Tribal 16-30D-46</u>
SE SE, 654' FSL & 686' FEL, Sec. 30, T4S-R6W (surface hole) Lot 4 (SW SW), 700' FSL & 700' FWL, Sec. 30, T4S-R6W (bottom hole)	SE SE, 670' FSL & 685' FEL, Sec. 30, T4S-R6W (surface hole) SE SE, 810' FSL & 810' FEL, Sec. 30, T4S-R6W (bottom hole)

The onsite inspection for this pad occurred on November 15, 2011. This is a new pad with a total of two proposed wells. Plat changes and site specific stipulations requested at the onsite are reflected within this APD and summarized below.

- a) Updated topo maps B and C and damage plats to reflect that a portion of the access road and pipeline were previously permitted for the 7-30-46 DLB;
- b) Updated Figure 1 to round corner 6 approximately 10 feet;
- c) Relocated topsoil from corners 1 & 8 area to the area between corners 1 & 3 and corner C area;
- d) Updated Figure 2 to reflect updated disturbance area;
- e) Project is located within spring Elk calving area.

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

1. **Existing Roads:**

- a. The proposed well site is located approximately 21.5 miles southwest of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing State maintained Highway 40 would be utilized from Duchesne for 8.3 miles to the existing Duchesne County maintained Strawberry River Road. The Strawberry River Road would be utilized for 7.0 miles to the existing BBC maintained 1-13-47 BTR access road that would be utilized for 100 feet 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.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permits are required.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

2. Planned Access Road:

- a. Approximately 68 feet of new access road and a 296 foot proposed access road re-route is planned from the existing/approved 7-30-46 DLB access road (ROW H62-2010-064). The previously approved 7-30-46 DLB access road continues an additional 32,998 feet to the existing 1-13-47 BTR 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 well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.
- i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
- m. The operator would be responsible for all maintenance needs of the new access road.

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

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

4. Location of Production Facilities

- a. Surface facilities would consist of a wellhead, separator, gas meter, combustor, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or ESP or gas lift unit, electrical or with a natural gas or diesel

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fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.

- b. Most wells would be fitted with a pump jack or Roto-flex unit or ESP or gas lift to assist liquid production. The prime mover for pump jacks or Roto-flex units would be small (100 horsepower or less), electric motor or natural gas or diesel fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 25 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by electricity.
- 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 70 feet of pipeline corridor with 175 feet of proposed pipeline reroute (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 to the existing/approved (ROW H62-2011-006) 7-30-46 DLB pipeline corridor. Pipelines would be constructed of steel, polyethylene or fiberglass and would connect to the proposed pipeline servicing nearby BBC wells. The pipeline crosses entirely Ute Tribe surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.

Bill Barrett Corporation
 Surface Use Plan
 LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
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- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

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

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

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Water Right No. and Application or Change No.	Applicant	Allocation	Date	Point of Diversion	Source
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River
43-2505, Appln t37379	McKinnon Ranch Properties, LC	1.3 cfs	4/28/2011	Pumped from Sec, 17, T4SR6W	Water Canyon Lake
43-12415, Change A17215a	Peatross Ranch, LLC	1.89 cfs	09/2011	Dugout Pond	Strawberry River

- b. No new water well is proposed with this application.
 - c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
 - d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.
6. Source of Construction Material:
- a. The use of materials would conform to 43 CFR 3610.2-3.
 - b. No construction materials would be removed from the lease or EDA area.
 - c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.
7. Methods of Handling Waste Disposal:
- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
 - b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
 - c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.

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- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the following state-approved disposal facilities:

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
7. Western Water Solutions – Sand Pass Ranch, Sections 9 and 10, T4S-R1W, permit #WD-01-2011

- 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.

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LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
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- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
 - k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
 - l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
 - m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.
8. Ancillary Facilities:
- a. Garbage containers and portable toilets would be located on the well pad.
 - b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
 - c. A powerline corridor is not proposed at this time but may be applied for in the future.

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9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 384 feet x 305 feet with an inboard reserve pit size of 205 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.
- 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.

Bill Barrett Corporation
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LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
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- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

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

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 11-247 (U-11-MQ-0740i,p,s) dated September 29, 2011.

Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

- 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	364 feet	0.191	acres	
Pipeline	245 feet	0	acres	(Within the pad damage area)
	Total	3.858	acres	

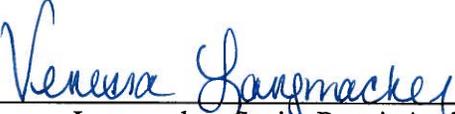
Bill Barrett Corporation
Surface Use Plan
LC Tribal 13H-30-46 & LC Tribal 16-30D-46 Pad
Duchesne County, UT

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.

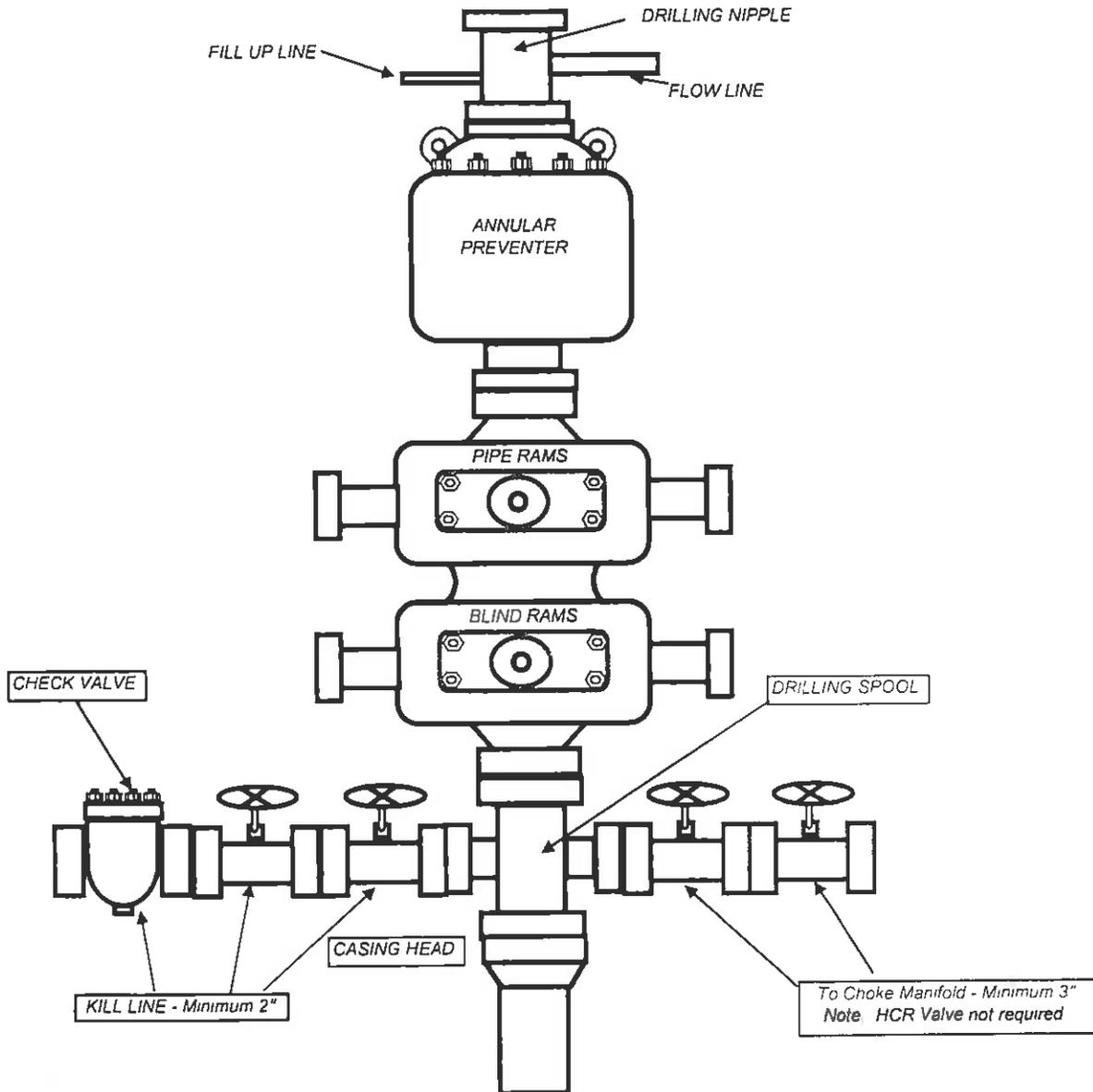
Executed this 23rd day of March 2012
Name: Venessa Langmacher
Position Title: Senior Permit Analyst
Address: 1099 18th Street, Suite 2300, Denver, CO 80202
Telephone: 303-312-8172
E-mail: vlangmacher@billbarrettcorp.com
Field Representative Kary Eldredge / Bill Barrett Corporation
Address: 1820 W. Highway 40, Roosevelt, UT 84066
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)
E-mail: keldredge@billbarrettcorp.com



Venessa Langmacher, Senior Permit Analyst

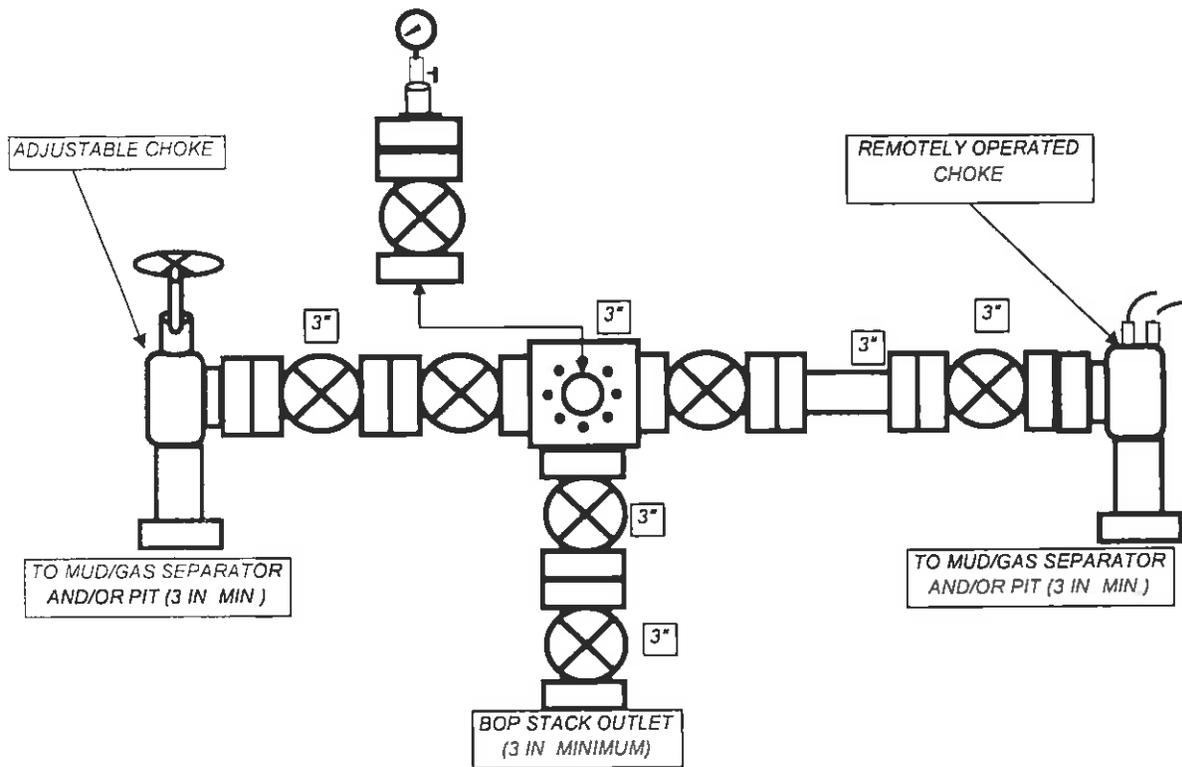
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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





March 23, 2012

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

Re: Directional Drilling R649-3-11
Lake Canyon Area #16-30D-46 LC Tribal Well
Surface: 670' FSL & 685' FEL, SE SE, 30-T4S-R6W, USBM
Bottom Hole: 810' FSL & 810' FEL, SE SE, 30-T4S-R6W, USBM
Duchesne County, Utah

Dear Ms. Mason,

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

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

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

Sincerely,

A handwritten signature in blue ink that reads 'Vanessa Gangmacker'.

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-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 60'

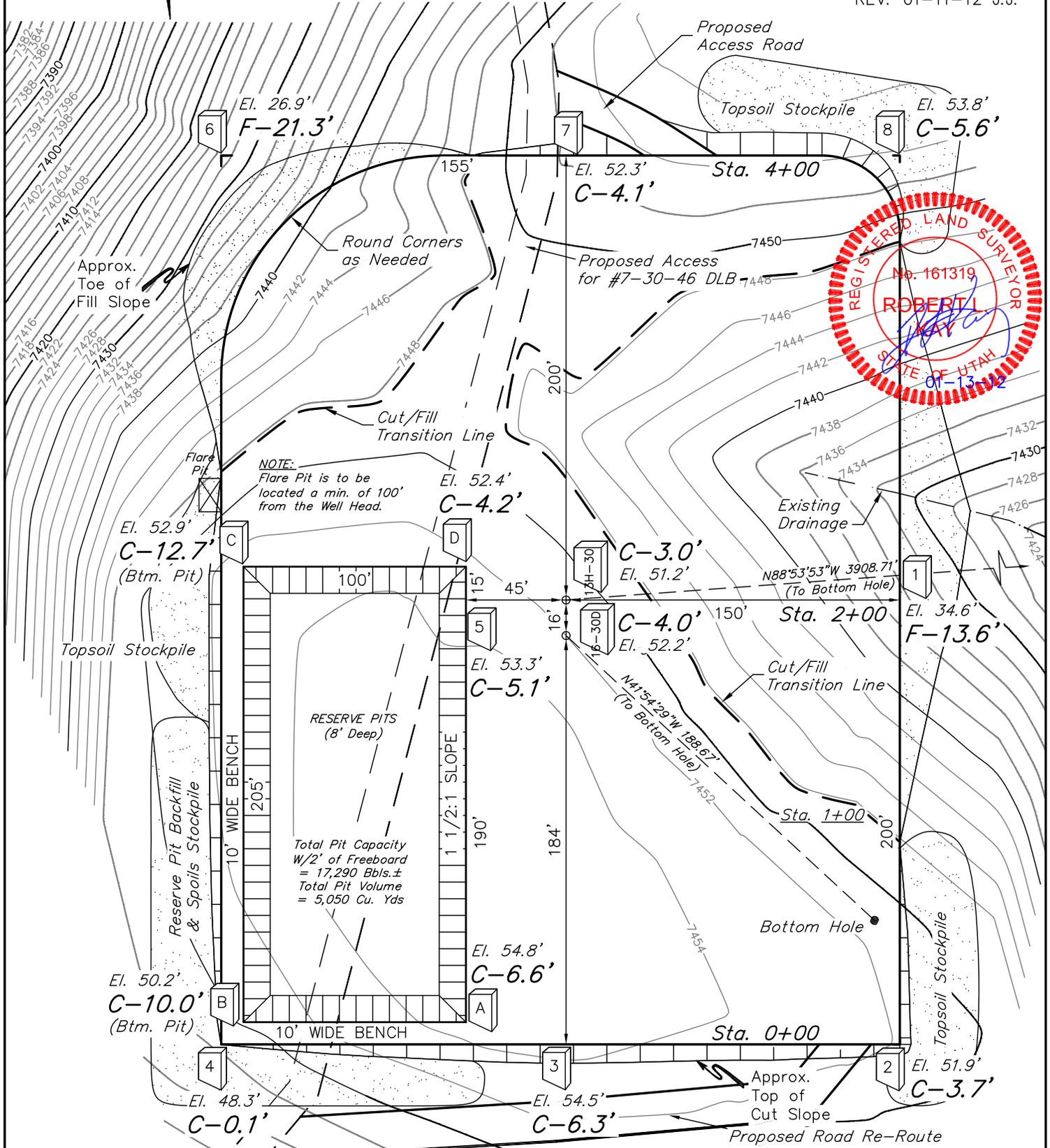
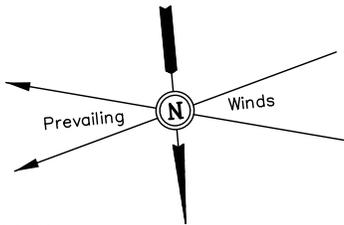
DATE: 08-08-11

DRAWN BY: K.O.

REV: 11-05-11

REV: 11-30-11 B.D.H.

REV: 01-11-12 J.J.



Elev. Ungraded Ground At #13H-30 Loc. Stake = 7451.2'
 FINISHED GRADE ELEV. AT #13H-30 LOC. STAKE = 7448.2'

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

RECEIVED: March 23, 2012

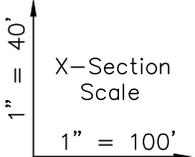
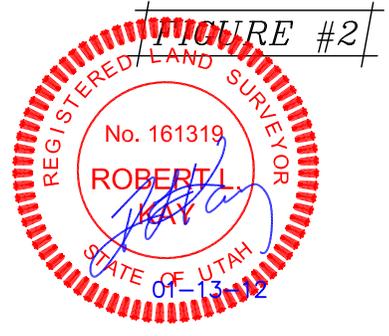
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TYPICAL CROSS SECTIONS FOR

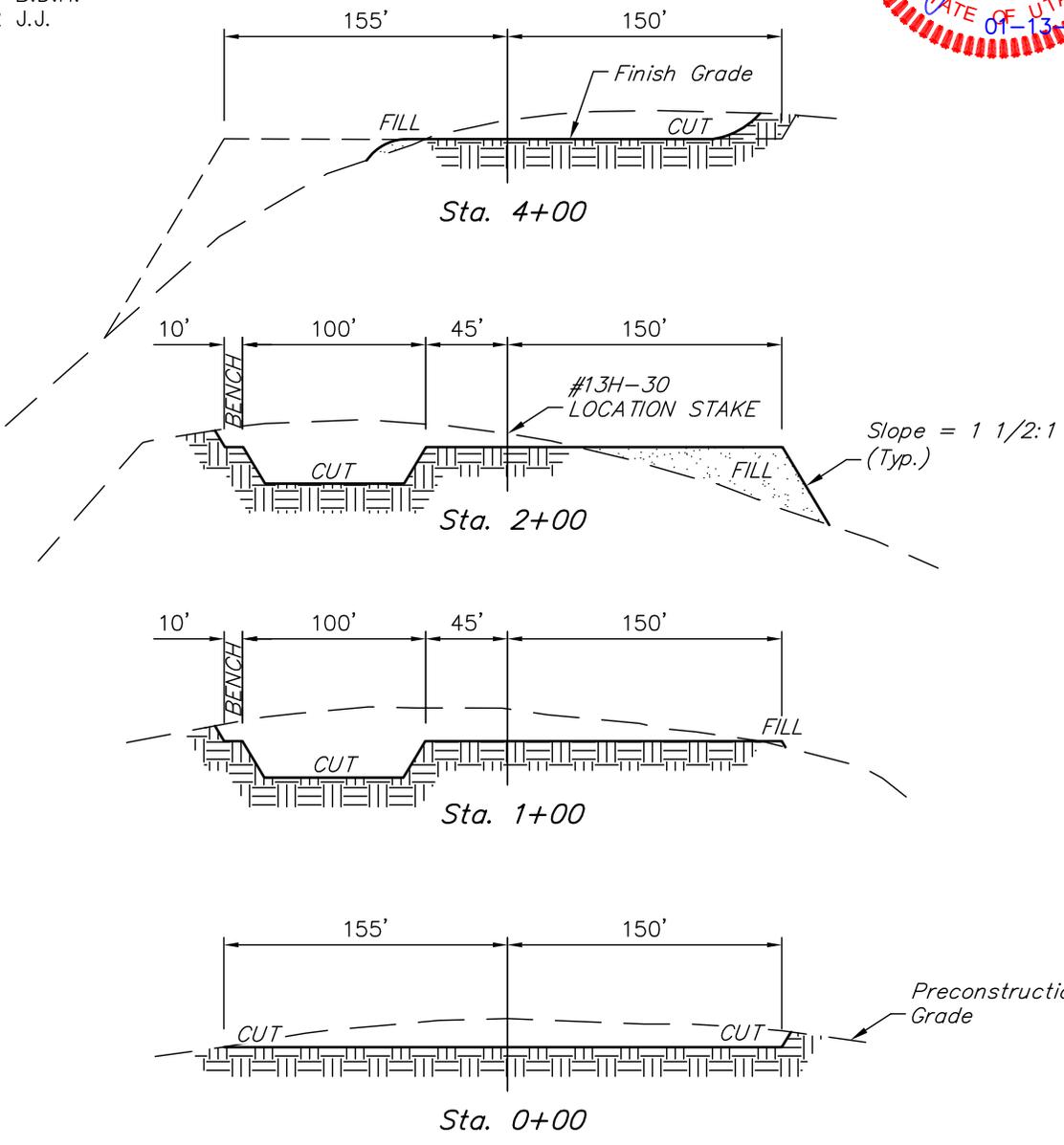
LC TRIBAL #13H-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4



DATE: 08-08-11
 DRAWN BY: K.O.
 REV: 11-05-11
 REV: 11-30-11 B.D.H.
 REV: 01-11-12 J.J.



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

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping	=	5,270 Cu. Yds.
Remaining Location	=	15,310 Cu. Yds.
TOTAL CUT	=	20,580 CU.YDS.
FILL	=	12,780 CU.YDS.

EXCESS MATERIAL	=	7,800 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	7,800 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-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4

FIGURE #3

SCALE: 1" = 60'

DATE: 08-08-11

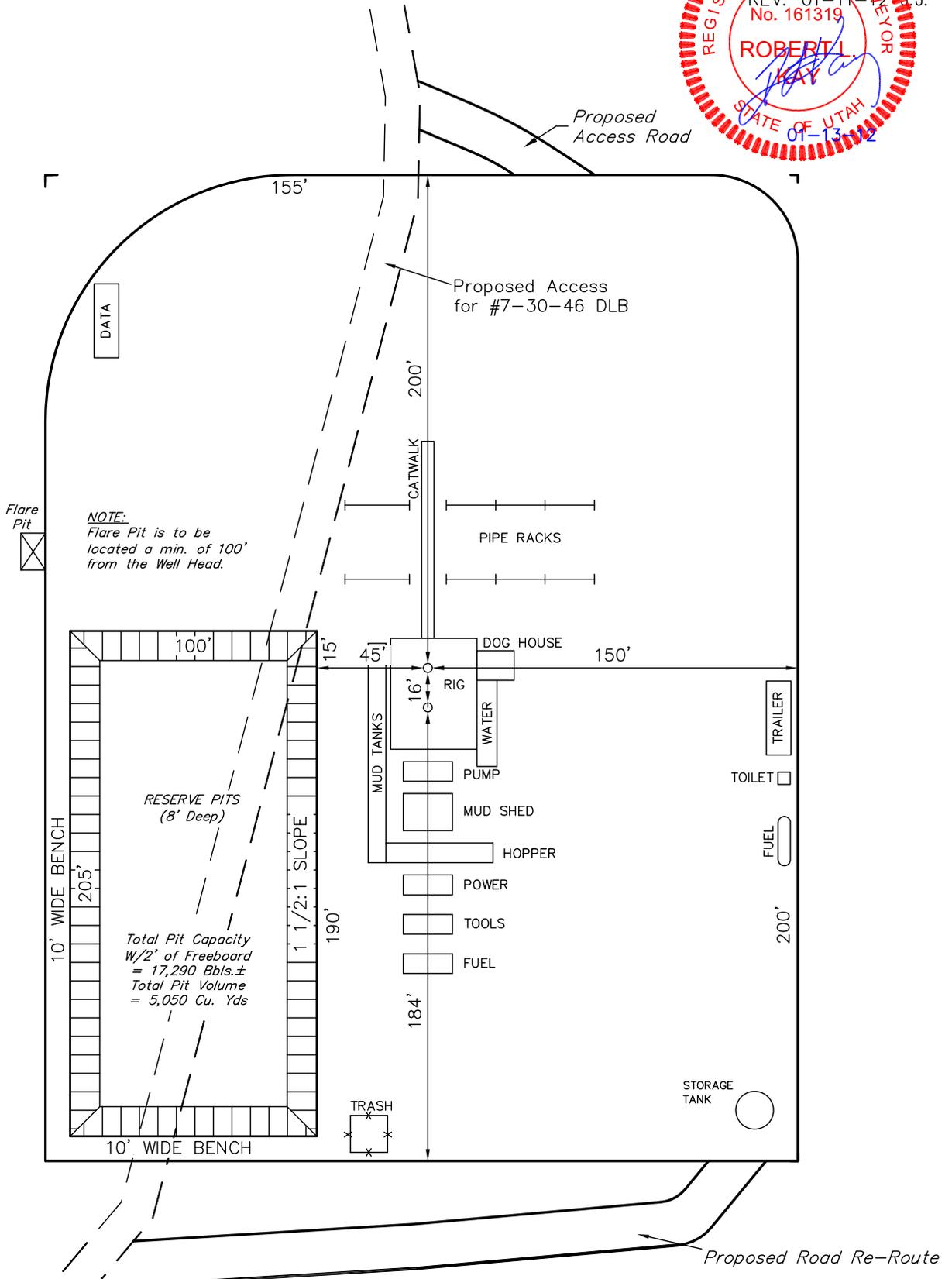
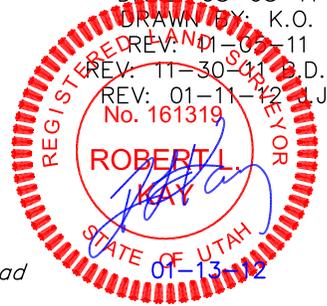
DRAWN BY: K.O.

REV: 01-07-11

REV: 11-30-11 S.D.H.

REV: 01-11-12 J.J.

No. 161319



BILL BARRETT CORPORATION

INTERIM RECLAMATION PLAN FOR

LC TRIBAL #13H-30-46 & #16-30D-46

SECTION 30, T4S, R6W, U.S.B.&M.

SE 1/4 SE 1/4

FIGURE #4

SCALE: 1" = 60'

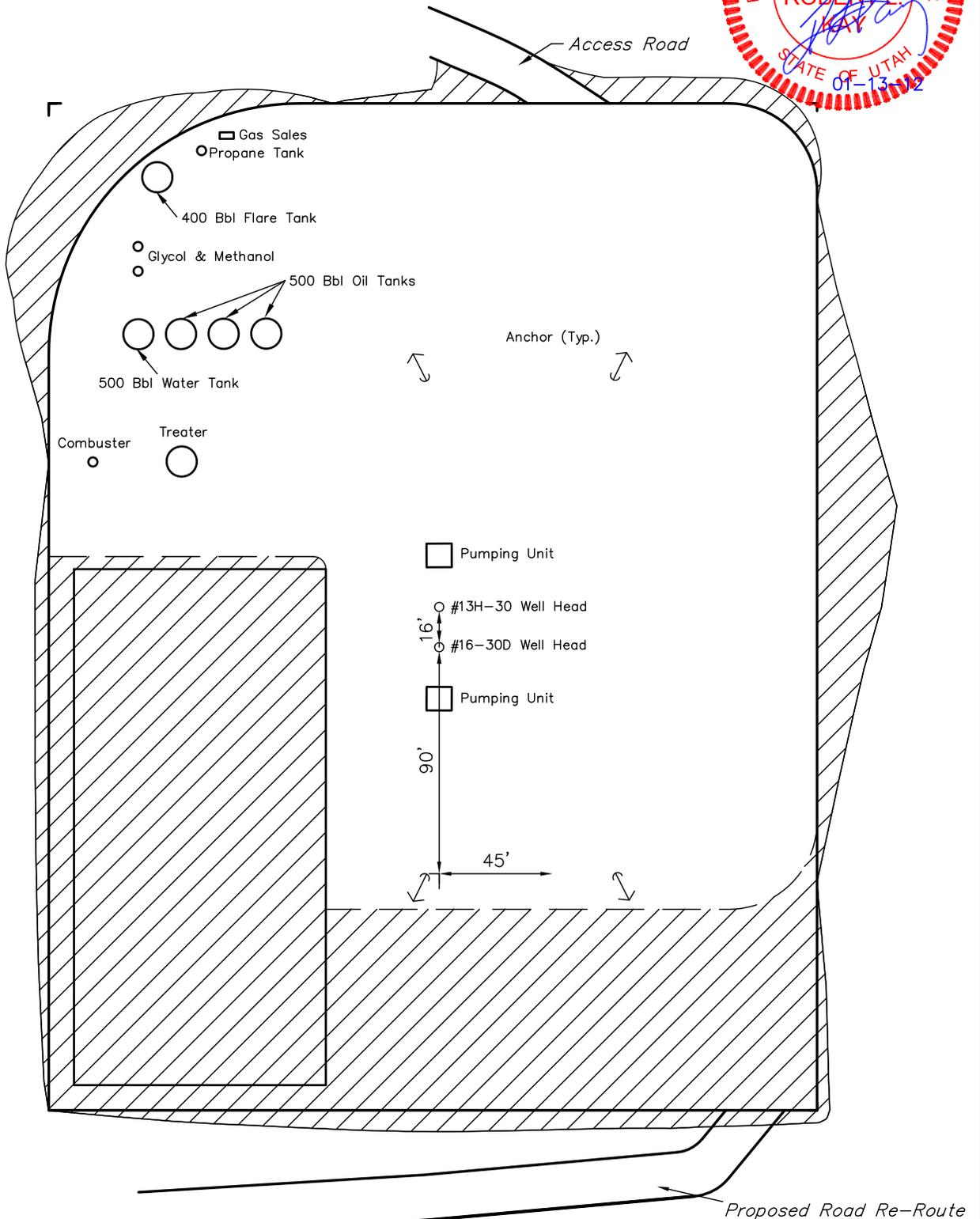
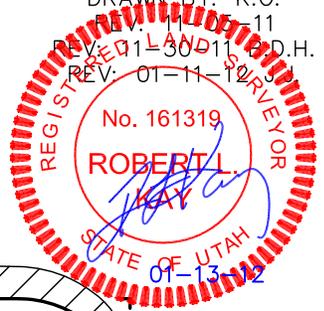
DATE: 08-08-11

DRAWN BY: K.O.

REV: 01-11-11

REV: 01-30-11 D.H.

REV: 01-11-12

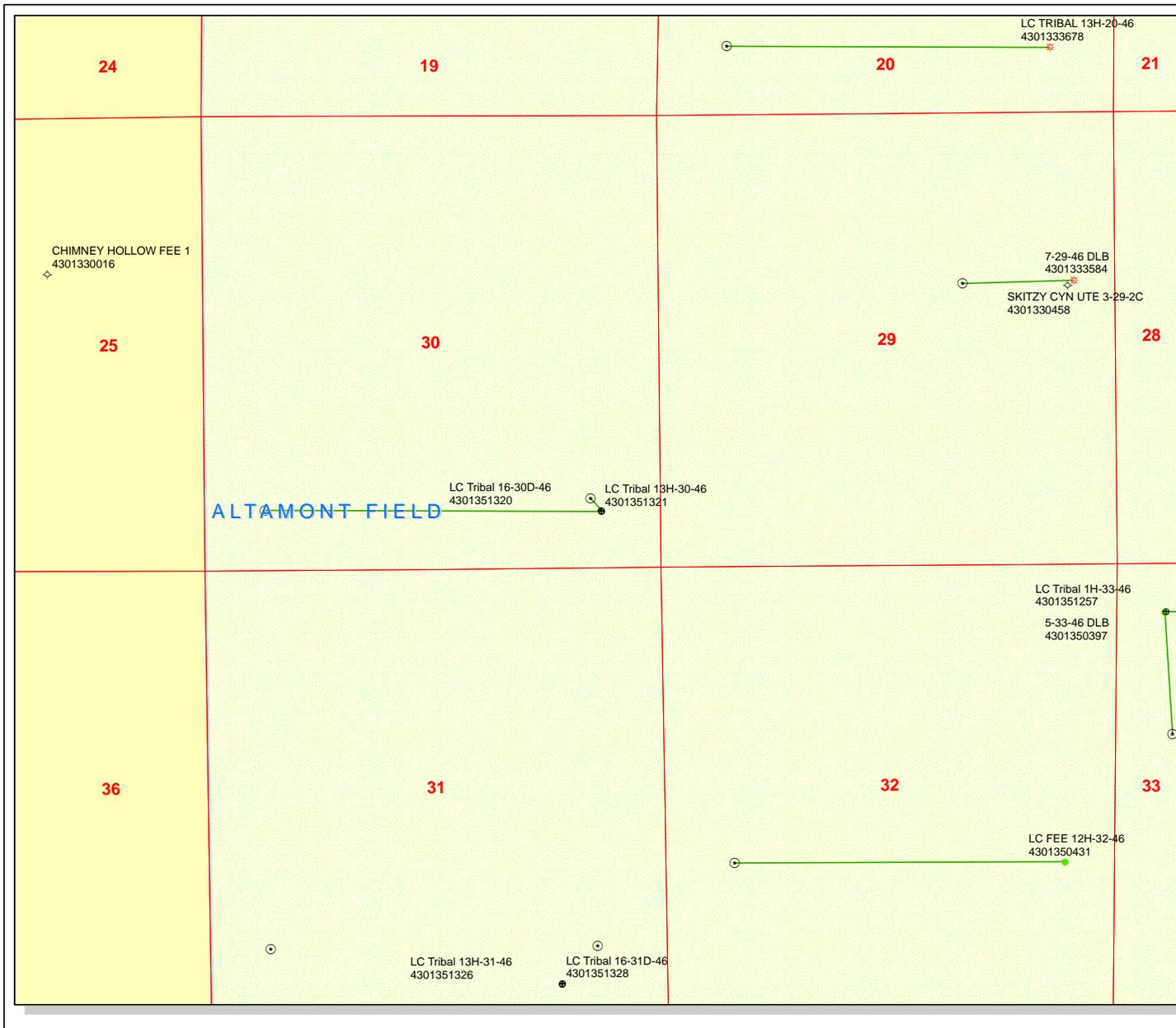


 INTERIM RECLAMATION

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 1.870 ACRES

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

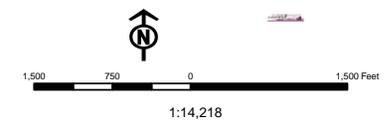
RECEIVED: March 23, 2012



API Number: 4301351320
Well Name: LC Tribal 16-30D-46
 Township T0.4 . Range R0.6 . Section 30
 Meridian: UBM
 Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

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



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/23/2012

API NO. ASSIGNED: 43013513200000

WELL NAME: LC Tribal 16-30D-46

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SESE 30 040S 060W

Permit Tech Review:

SURFACE: 0670 FSL 0685 FEL

Engineering Review:

BOTTOM: 0810 FSL 0810 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.09865

LONGITUDE: -110.59848

UTM SURF EASTINGS: 534224.00

NORTHINGS: 4438783.00

FIELD NAME: ALTAMONT

LEASE TYPE: 2 - Indian

LEASE NUMBER: 2OG0005500

PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

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
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: LC Tribal 16-30D-46

API Well Number: 43013513200000

Lease Number: 2OG0005500

Surface Owner: INDIAN

Approval Date: 4/4/2012

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

Duration:

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

General:

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

Conditions of Approval:

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

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

Notification Requirements:

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil &

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

Reporting Requirements:

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

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

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 26 2012

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005500
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. LC TRIBAL 16-30D-46
3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420		9. API Well No. 43-013-S1320
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SESE 670FSL 685FEL 40.098697 N Lat, 110.598336 W Lon At proposed prod. zone SESE 810FSL 810FEL 40.099081 N Lat, 110.598789 W Lon		10. Field and Pool, or Exploratory ALTAMONT
14. Distance in miles and direction from nearest town or post office* 21.5 MILES SOUTHWEST OF DUCHESNE, UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 30 T4S R6W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 810' (BTM. HOLE)	16. No. of Acres in Lease 123995.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. NONE	19. Proposed Depth 7199 MD 7193 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7452 GL	22. Approximate date work will start 11/01/2012	17. Spacing Unit dedicated to this well 640.00
		20. BLM/BIA Bond No. on file LPM8874725
		23. Estimated duration 60 DAYS (D&C)

24. Attachments

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

- 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 03/23/2012
Title SENIOR PERMIT ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date OCT 17 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

RECEIVED

OCT 22 2012

Additional Operator Remarks (see next page)

Electronic Submission #133763 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 03/27/2012

DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

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

191 R.D. 297A9

NO NDS-



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: LC Tribal 16-30D-46
API No: 43-013-51320

Location: SESE, Sec. 30, T4S, R6W
Lease No: 2OG0005500
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

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

Additional Stipulations:

- All Production Equipment will be painted Beetle Green to help blend into the surrounding vegetation and meet VRM type objectives.
- Corner #6 of the proposed pad must be rounded 10 feet to help minimize fill on that corner.
- Topsoil will be relocated from corners 1 & 8 to the area between corners 1 & 3 and corner C area. Topsoil will be windrowed and be used for reclamation purposes only.
- See Exhibit One of the approved EA U&O-FY12-Q2-086 for additional mitigation measures that must be followed for this proposed action.

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 formation integrity test shall be performed at the surface casing shoe
- Gamma Ray Log shall be run from Total Depth to Surface.
- To effectively protect useable water, cement for the long-string is required to be brought 200ft. 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.

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
1. TYPE OF WELL Oil Well		7.UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013513200000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/8/2013	<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 checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

BBC hereby requests a one year extension for the subject APD.

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

Date: March 20, 2013
By: 

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 3/20/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013513200000

API: 43013513200000

Well Name: LC TRIBAL 16-30D-46

Location: 0670 FSL 0685 FEL QTR SESE SEC 30 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 4/4/2012

The undersigned as owner with legal rights to drill on the property as permitted above, 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.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- 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? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Venessa Langmacher

Date: 3/20/2013

Title: Senior Permit Analyst Representing: BILL BARRETT CORP

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
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013513200000	
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: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/24/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	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 4/24/13 by Triple A Drilling at 1:00 pm: Rig #TA 4037, Type Soilmec SR/30. Continuous drilling is planned to commence on 5/2/13.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 25, 2013		
NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 4/25/2013	

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: 20G0005500	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013513200000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W 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"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Well was spud in April 2013			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 10, 2013			
NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 5/3/2013	

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 16-30D-46 LC Tribal
Qtr/Qtr SE/SE Section 30 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-51320

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 5/9/13 11:00 AM PM

BOPE

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

Date/Time 5/10/13 11 AM PM

Remarks All times are estimated

—

RECEIVED

MAY 08 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #2
Submitted By Brent Peeples Phone Number 435-401-8346
Well Name/Number GMBU V-15-9-16
Qtr/Qtr NE/NE Section 22 Township 9S Range 16E
Lease Serial Number UTU74392
API Number 43-013-51674

Rig Move Notice – Move drilling rig to new location.

Date/Time 5-9-13 7:00 AM PM

BOPE

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

Date/Time 5-9-13 12:00 AM PM

Remarks _____

RECEIVED

MAY 08 2013

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Don Bastian Phone Number 823-6012
Well Name/Number GMBU Q-12-9-16
Qtr/Qtr SW/SW Section 12 Township 9s Range 16e
Lease Serial Number UTU-035521A
API Number 43-013-51673

TD Notice – TD is the final drilling depth of hole.

Date/Time 5/9/13 4:00 AM PM

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

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

Date/Time 5/10/13 3:00 AM PM

RECEIVED

MAY 08 2013

DIV. OF OIL, GAS & MINING

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 16-30D-46 LC Tribal

Qtr/Qtr SE/SE Section 30 Township 4S Range 6W

Lease Serial Number _____

API Number 43-013-51320

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 5/21/13 10:30 AM PM

BOPE

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

Date/Time _____ AM PM

RECEIVED

MAY 21 2013

DIV. OF OIL, GAS & MINING

Remarks we will be cementing intermediate csg around 8:00 pm 5/21/13 please call with any questions or concerns. We spoke to Michael Lee with BLM @ 9:45 am 5/21/13 and he has gave verbal approval

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 16-30D-46 LC Tribal

Qtr/Qtr SE/SE Section 30 Township 4S Range 6W

Lease Serial Number _____

API Number 43-013-51320

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 5/25/13 8:00 AM PM

BOPE

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

Date/Time _____ AM PM

RECEIVED

MAY 23 2013

DIV. OF OIL, GAS & MINING

Remarks we will be cementing the 4.5" liner around 4:00 PM
5/25/13 please call with any questions or concerns

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
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013513200000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<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: 5/31/2013	<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"/> OPERATOR CHANGE	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the May 2013 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 06, 2013		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/5/2013	

**16-30D-46 LC Tribal 5/4/2013 16:00 - 5/5/2013 06:00**

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
16:00	14.00	06:00	1	RIGUP & TEARDOWN	RDRT

16-30D-46 LC Tribal 5/5/2013 06:00 - 5/6/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	RDRT. Move camps, gens, tanks, pumps, pits, pipe, change/parts/bit houses. Sub squatted, derrick laid over. Crews went home @ 20:00.
20:00	10.00	06:00	1	RIGUP & TEARDOWN	Wait on daylight.

16-30D-46 LC Tribal 5/6/2013 06:00 - 5/7/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	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	1	RIGUP & TEARDOWN	MIRU. 90% rig on location, 50% rigged up. Crew worked overnight.

16-30D-46 LC Tribal 5/7/2013 06:00 - 5/8/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	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	1	RIGUP & TEARDOWN	RURT. Derrick scoped, rig 90% rigged up. ETA spud this a.m.

16-30D-46 LC Tribal 5/8/2013 06:00 - 5/9/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	21.50	03:30	1	RIGUP & TEARDOWN	RU drlg spool, annular, rot head. Hook up flow line, choke, line, panic line. Go through pre-drill check list.
03:30	2.50	06:00	20	DIRECTIONAL WORK	Rig on daywork @ 03:30. PU BHA.

16-30D-46 LC Tribal 5/9/2013 06:00 - 5/10/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	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	20	DIRECTIONAL WORK	PU BHA. Tag @ 98'.
06:30	1.50	08:00	2	DRILL ACTUAL	Drill 98' - 177'. Spud Well @ 06:30.
08:00	2.00	10:00	20	DIRECTIONAL WORK	PU Dir assbly. Orient & scribe mm.
10:00	3.50	13:30	2	DRILL ACTUAL	Steerable drlg 177' - 592'. 540 gpm, 40 rpm, spp 1250 psi, dp 280 psi, rop 119 fph.
13:30	0.50	14:00	5	COND MUD & CIRC	Sweep hole, C&C f/trip.
14:00	2.00	16:00	6	TRIPS	Toh 5 stds to 8", PU (9) 6 1/2" DC's, Tih.
16:00	6.00	22:00	2	DRILL ACTUAL	Install rot rubber. Steerable drlg 592' - 1435'. Gpm 550, rpm 45/132, spp 1300 psi, dp 300 psi, rop 141 fph.
22:00	0.50	22:30	7	LUBRICATE RIG	Rig Service.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:30	2.50	01:00	2	DRILL ACTUAL	Steerable drlg 1435' - 1670'. Gpm 450, rpm 45/108, spp 1100 psi, dp 200 psi, rop 94 fph. Partial returns - losing mud - 200 bbls.
01:00	0.50	01:30	5	COND MUD & CIRC	C&C mud, Pump LCM. Regain returns, lost 200 bbls.
01:30	1.00	02:30	2	DRILL ACTUAL	Steerable drlg 1670' - 1752'. Gpm 450, rpm 45/108, spp 1100 psi, dp 200 psi, rop 94 fph. Lost 100 bbls.
02:30	0.50	03:00	5	COND MUD & CIRC	C&C mud, Pump LCM. Lost 150 bbls.
03:00	1.00	04:00	2	DRILL ACTUAL	Steerable drlg 1752' - 1807'. TD surface @ 1807'. Gpm 400, rpm 45/96, spp 1000 psi, dp 200 psi, rop 55 fph. Lost 100 bbls.
04:00	2.00	06:00	5	COND MUD & CIRC	C&C mud, Pump LCM. Lost 350 bbls.

16-30D-46 LC Tribal 5/10/2013 06:00 - 5/11/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	C&C f/ST. Spot lcm pill.
06:30	2.00	08:30	6	TRIPS	ST to DC's. Hole in good shape, took proper amount of fluid.
08:30	1.00	09:30	5	COND MUD & CIRC	C&C f/toh to run csg.
09:30	4.50	14:00	6	TRIPS	Toh. LD dir tools, 8" tools, reamers.
14:00	3.50	17:30	12	RUN CASING & CEMENT	HSM. RU Weatherford TRS and run 9 5/8", 36#, J-55, STC csg as follows: Guide shoe, 1 jt csg, float shoe, 40 jts csg.
17:30	1.00	18:30	5	COND MUD & CIRC	C&C f/cmt.
18:30	2.00	20:30	12	RUN CASING & CEMENT	HSM. RU HES and cement surface as follows: Press test to 3000 psi. Pump 20 bbls H2O, 40 bbls superflush, 20 bbls H2O. Mix and pump 260 sx(146.3 bbls) Halcem lead cement @ 11 ppg, 3.16 yld, 19.48 gps H2O. Tail in with 240 sx(56.8 bbls) Halcem cement @ 14.8 ppg, 1.33 yld, 6.31 gps H2O. Drop top plug, wash up on top of plug. Pump 136.2 bbls displacement. Full returns, 75 bbls cmt to surface, pipe was reciprocated. Max pressure 480 psi, bump plug to 990 psi. bled back 3/4 bbl, floats held. Cement fell 50', prepare for top job.
20:30	0.50	21:00	12	RUN CASING & CEMENT	Top job # 1 - 40 sx(8 bbls) cmt @ 15.8 ppg, 1.17 yld, 5.02 gps H2O, 2% cacl.
21:00	1.50	22:30	13	WAIT ON CEMENT	W.O.C. Cement fell 40'.
22:30	0.50	23:00	12	RUN CASING & CEMENT	Top job # 2 - 30 sx(6 bbls) cmt @ 15.8 ppg, 1.17 yld, 5.02 gps H2O, 2% cacl.
23:00	1.00	00:00	13	WAIT ON CEMENT	W.O.C. Cement @ GL. RD Halliburton.
00:00	6.00	06:00	21	OPEN	ND annular, riser. Cut csg off, weld on 11" X 9 5/8", 5000#, SOW wellhead. 9 5/8" surf csg set @ 1805'.

16-30D-46 LC Tribal 5/11/2013 06:00 - 5/12/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	21	OPEN	Finish welding wellhead.
06:30	6.00	12:30	14	NIPPLE UP B.O.P	NUBOPE.
12:30	5.00	17:30	15	TEST B.O.P	HSM. RU B&C Quicktest. Test lower kelly, safety, dart valves, pipe & blind rams, choke line, manifold valves, kill line valve, check valve, hcr to 5000 psi high, 250 psi low f/10 min. Test Hydrill to 2500 psi high, 250 psi low f/10 min. Test surface csg to 1500 psi f/30 min. Perform koomey function test.
17:30	0.50	18:00	21	OPEN	Install wear bushing.
18:00	4.50	22:30	6	TRIPS	PU dir tools, orient & scribe mm, tih. Tag cmt @ 1750'.
22:30	1.50	00:00	21	OPEN	Drill cmt, fit equip, 20' new hole to 1827'.
00:00	1.00	01:00	21	OPEN	Spot high vis lcm pill @ shoe, F.I.T. to 120 psi f/9.8 emw.
01:00	5.00	06:00	6	TRIPS	String packed off, toh to purge. XO mud motor(plugged).

16-30D-46 LC Tribal 5/12/2013 06:00 - 5/13/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	Unplug dir tools, PU new mm, tih.
09:00	7.50	16:30	2	DRILL ACTUAL	Steerable drlg 1827' - 2561'. 350 gpm, rpm 30/105, spp 1000 psi, dp 250 psi, rop 98 fph.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service.
17:00	6.00	23:00	2	DRILL ACTUAL	Steerable drlg 2561' - 3129'. 380 gpm, rpm 30/114, spp 1200 psi, dp 250 psi, rop 95 fph. Pipe stuck after connection. BOP Drill Daylights - 1 minute.
23:00	6.00	05:00	5	COND MUD & CIRC	Work tight hole, got pipe free.
05:00	1.00	06:00	5	COND MUD & CIRC	Try to establish circulation, Pump lcm sweeps.

16-30D-46 LC Tribal 5/13/2013 06:00 - 5/14/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	C&C mud, try to regain circulation. Pump lcm sweeps, build volume.
07:00	3.50	10:30	2	DRILL ACTUAL	Steerable drlg 3129' - 3413'. Partial/no returns.
10:30	5.00	15:30	21	OPEN	Work tight hole.
15:30	2.00	17:30	21	OPEN	PU surface jars, work jars. Pipe came free.
17:30	2.00	19:30	5	COND MUD & CIRC	C&C, run lcm sweeps. Spot lcm pill on bottom.
19:30	4.00	23:30	6	TRIPS	Toh. Spot lcm pill @ 2400'. XO bit, LD reamers.
23:30	4.00	03:30	6	TRIPS	Tih.
03:30	0.50	04:00	5	COND MUD & CIRC	Circ BU, sweep hole. No returns.
04:00	0.50	04:30	7	LUBRICATE RIG	Rig Service. Bop drill morning tour.
04:30	1.50	06:00	2	DRILL ACTUAL	Steerable drlg 3413' - 3491'. 300 gpm, rpm 45/90, spp 900 psi, dp 275 psi, rop 52 fph.

16-30D-46 LC Tribal 5/14/2013 06:00 - 5/15/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 3491' - 4249'. 320 gpm, rpm 45/91, spp 850 psi, dp 350 psi, rop 69 fph. No returns, lcm content 25%, sweeping hole w/ 50-55% lcm.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service.
17:30	1.00	18:30	2	DRILL ACTUAL	Steerable drlg 4249' - 4344'. 320 gpm, rpm 45/91, spp 900 psi, dp 400 psi, rop 95 fph. No returns, lcm content 25%, sweeping hole w/ 50-55% lcm.
18:30	4.50	23:00	6	TRIPS	Spot 100 bbl 55% lcm pill, toh 15 stds. Wait 2 hrs, stage back to bottom.
23:00	4.50	03:30	2	DRILL ACTUAL	Steerable drlg 4344' - 4629'. 320 gpm, rpm 45/91, spp 900 psi, dp 400 psi, rop 63 fph. No returns, lcm content 25%, sweeping hole w/ 50-55% lcm.
03:30	2.50	06:00	6	TRIPS	Spot 100 bbl 55% lcm pill, toh 15 stds. Wait 2 hrs, stage back to bottom.

16-30D-46 LC Tribal 5/15/2013 06:00 - 5/16/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	6	TRIPS	Finish letting pill soak, stage in hole.
08:30	6.00	14:30	2	DRILL ACTUAL	Steerable drlg 4629' - 5101'. gpm 320, rpm 45/92, spp 900 psi, dp 300 psi, rop 79 fph.
14:30	9.00	23:30	6	TRIPS	Toh to 2400', spot 100 bbl 55% lcm pill. Toh to 1300', spot 100 bbl 55% lcm pill. Toh to 300'. Let pill soak.
23:30	4.00	03:30	6	TRIPS	Stage in hole, break circ every 1000', had circ @ 1300' and 2300', none after that.
03:30	2.50	06:00	2	DRILL ACTUAL	Steerable drlg 5101' - 5226'. No returns.

**16-30D-46 LC Tribal 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Steerable drlg 5226' - 5290'.
06:30	11.50	18:00	6	TRIPS	Toh to 2850', spot 100 bbl 55% lcm pill, toh to 1300', spot 60 bbl 55% lcm pill, toh, let pills soak. Stage back in hole open-ended w/DP try to circ every 500'. Hole empty to 2885'. Tih to bottom.
18:00	11.00	05:00	6	TRIPS	Spot 60 bbl 55% lcm pill on bottom, toh to 2850', spot 100 bbl 55% lcm pill, toh to 1500', spot 60 bbl 55% lcm pill, toh, let pills soak. Stage back in hole open-ended w/DP try to circ every 500'. Circ returns @ 2200', no returns after 2900'.
05:00	1.00	06:00	5	COND MUD & CIRC	C&C mud.

16-30D-46 LC Tribal 5/17/2013 06:00 - 5/18/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	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	21	OPEN	Toh to 2800', spot 130 bbl 55-60% lcm pill, toh to shoe. Let pills soak, stage in hole to 2900', no circ. Toh to 2800', spot 50 bbl "gunk" pill, load backside w/40% lcm mud, let pill set. Stage in to 3000', no circ. Spot 2nd gunk pill, load backside w/40% lcm mud, toh to shoe, let pill set. Stage in to 3000', no circ.

16-30D-46 LC Tribal 5/18/2013 06:00 - 5/19/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	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	21	OPEN	Pump 60 bbl, 55% lcm pills @ 2900', 2800', 2700'. Attempt to fill backside.
08:30	1.00	09:30	6	TRIPS	Toh to shoe.
09:30	3.00	12:30	21	OPEN	Wait on pills.
12:30	6.50	19:00	6	TRIPS	Stage in hole to bottom, C&C f/cmt plug. Toh, circ @ 3500', 2985'.
19:00	1.50	20:30	12	RUN CASING & CEMENT	HSM. RU HES, press test to 3000 psi. Pump 10 bbls H2O spacer, pump 284 sx (76 bbls) cmt @ 14.2 ppg, 1.48 yld, 7.13 gps H2O @ 2 bpm. Max press 115 psi. Displace 20 bbls, leaving 21 bbls in DP. DP on slight vacuum, barely sucking. Wash up to pit, RD HES.
20:30	1.00	21:30	6	TRIPS	Toh to 1000'.
21:30	1.00	22:30	5	COND MUD & CIRC	Attempt to fill backside.
22:30	1.00	23:30	6	TRIPS	Toh. Bop drill morning tour.
23:30	6.50	06:00	13	WAIT ON CEMENT	W.O.C.

16-30D-46 LC Tribal 5/19/2013 06:00 - 5/20/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	13	WAIT ON CEMENT	W.O.C.
13:00	12.00	01:00	3	REAMING	Wash in hole w/dir tools. No cmt, no circ. Wash to bottom.
01:00	5.00	06:00	6	TRIPS	Spot 55% lcm pills @ 5000', 2800', 1300'. Toh.

16-30D-46 LC Tribal 5/20/2013 06:00 - 5/21/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	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	6	TRIPS	Finish toh.
07:00	1.00	08:00	20	DIRECTIONAL WORK	L/D MWD TOOL - CLEAN OUT PACKED OFF MONEL
08:00	0.50	08:30	7	LUBRICATE RIG	RIG SERVICE
08:30	1.50	10:00	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT - L/D MUD MOTOR
10:00	1.00	11:00	6	TRIPS	T.I.H. F/0' T/1750'
11:00	1.00	12:00	9	CUT OFF DRILL LINE	SLIP & CUT DRILL LINE
12:00	2.50	14:30	5	COND MUD & CIRC	BUILD VOLUME & RAISE LCM CONTENT TO 30%
14:30	1.50	16:00	5	COND MUD & CIRC	PUMP 100 BBLS POLLY SWELL SWEEP - DISPLACE WITH MUD - ESTABLISHED RETURNS - CLOSE ANNULAR AND SQUEEZE POLLY SWELL SWEEP (110 PSI) @ 10 SPM
16:00	2.00	18:00	5	COND MUD & CIRC	LET PILL SOAK
18:00	7.50	01:30	6	TRIPS	STAGE IN HOLE - BREAK CIRC EVERY 5 STANDS - LOST RETURNS @ 2500' UNABLE TO REGAIN CIRC
01:30	1.50	03:00	5	COND MUD & CIRC	CIRC 1 1/2 B/U - SPOT 55% LCM PILL
03:00	3.00	06:00	6	TRIPS	L/D DRILL PIPE F/5290' T/3000'

16-30D-46 LC Tribal 5/21/2013 06:00 - 5/22/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	L/D DRILL PIPE & DCs
09:00	0.50	09:30	21	OPEN	PULL WEAR BUSHING
09:30	9.50	19:00	12	RUN CASING & CEMENT	R/U CSG CREW & RUN 129 JOINTS 7" 26# P-110 CSG WITH 44 CENTRALIZERS - CSG SET @ 5130' -
19:00	8.50	03:30	12	RUN CASING & CEMENT	ATTEMPT TO WASH CSG TO BOTTOM UNABLE TO MAKE IT PAST 5142' - L/D ONE JOINT - REPLACE DAMAGED COLLAR
03:30	1.00	04:30	5	COND MUD & CIRC	R/U CEMENT HEAD & CIRC WITH RIG PUMPS WHILE FINISHING RIGGING UP CEMENTERS
04:30	1.50	06:00	12	RUN CASING & CEMENT	S/M - TEST LINES @ 4500 PSI PUMP 1ST STAGE CEMENT - 20 BBLS WATER, 111 BBLS 430 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.85 GAL SK, SHUT DOWN DROP PLUG & DISPLACE WITH 20 BBLS WATER, 75 BBLS MUD, 20 BBLS WATER TO COVER DVT, 60 BBLS MUD, 19.5 BBLS WATER (194.5 BBLS TOTAL) - FINAL LIFT PRESSURE 1480 PSI BUMP PLUG @ 1980 PSI - FLOATS HELD - NO RETURNS DURING JOB

16-30D-46 LC Tribal 5/22/2013 06:00 - 5/23/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	12	RUN CASING & CEMENT	FINISHING BUMPING DISPLACEMENT - DROP BOMB - WAIT 15 MIN PRESSURE UPTO 950 PSI TO OPEN DV TOOL
06:30	2.50	09:00	5	COND MUD & CIRC	CIRC 250 BBLS @ 20 SPM
09:00	1.50	10:30	12	RUN CASING & CEMENT	S/M - TEST LINES @ 4500 PSI - PUMP 20 BBLS WATER SPACER, 82 BBLS 200 SKS 11 PPG 2.32 YIELD LEAD CEMENT MIXED @ 10.61 GAL SK, 20 BBLS 100 SKS 15.8 PPG 1.15 YIELD TAIL CEMENT MIXED @ 5.0 GAL/SK, SHUT DOWN DROP PLUG & DISPLACE WITH 93 BBLS DRILLING MUD - FINAL LIFT PRESSURE (540) PSI - PRESSURE UPTO 2000 PSI TO CLOSE DV TOOL - RELEASE PRESSURE FLOATS HELD - NO RETURNS DURING JOB
10:30	1.00	11:30	14	NIPPLE DOWN B.O.P	NIPPLE DOWN BOP
11:30	1.00	12:30	21	OPEN	SET SLIPS @ 150K - CUT OFF CSG - INSTALL WELDAMENT
12:30	1.50	14:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP - CHANGE OUT PIPE RAMS
14:00	2.00	16:00	15	TEST B.O.P	R/U TESTER & TEST BOP (PIPE RAMS BLIND RAMS, FOSV, INSIDE BOP LOWER KELLY VALVE @ 10 MIN 5000 PSI HIGH 5MIN 250 PSI LOW) R/D TESTER
16:00	2.00	18:00	21	OPEN	RACK OUT BHA & STRAP
18:00	1.00	19:00	20	DIRECTIONAL WORK	P/U MUD MOTOR - M/U BIT - P/U DIR TOOLS INSTALL MWD & OREINT SAME
19:00	4.00	23:00	6	TRIPS	P/U & T.I.H. 21 JOINTS 3.5" HWDP, 54 JOINTS 3.5" DP FILL PIPE
23:00	2.00	01:00	2	DRILL ACTUAL	DRLG PLUG & DV TOOL @ 2434' W/250 GPM, 25 RPM & 3-10K WT ON BIT



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
01:00	0.50	01:30	15	TEST B.O.P	TEST CSG @ 1500 PSI FOR 30 MIN
01:30	2.50	04:00	6	TRIPS	P/U DRILL PIPE & T.I.H. F/2434' T/5087'
04:00	1.00	05:00	2	DRILL ACTUAL	DRLG CEMENT & FLOAT EQUIPMENT W/250 GPM, 25 RPM, 5K WT ON BIT
05:00	0.50	05:30	2	DRILL ACTUAL	W/250 GPM, 25 RPM, 6K WT ON BIT, 100-350 DIFF PRESS, 2K TQ
05:30	0.50	06:00	21	OPEN	SPOT LCM SWEEP P/U INTO CSG & PERFORM F.I.T. TO 10.0 PPG EQ MW (400) PSI W/8.5 PPG MUD WT - TEST HELD

16-30D-46 LC Tribal 5/23/2013 06:00 - 5/24/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	3	REAMING	REAMING F/5150' T/5290'
07:00	2.00	09:00	5	COND MUD & CIRC	CIRC - BRING MUD TW UP FROM 8.5 TO 9.2 PPG TO HOLD SHALE BACK
09:00	8.50	17:30	2	DRILL ACTUAL	W/300 GPM, 55 RPM, 14-18K WT ON BIT, 150-350 DIFF PRESS, 5K TQ
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	W/300 GPM, 55 RPM, 18-20K WT ON BIT, 150-350 DIFF PRES, 5K TQ
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

16-30D-46 LC Tribal 5/24/2013 06:00 - 5/25/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	8	REPAIR RIG	DOWN TIME - ATTEMPT TO TIGHTEN WASH PIPE - REPLACE WASH PIPE - WASH PIPE WAS INCORRECT STYLE FOR TOP DRIVE REBUILD OLD WASH PIPE & INSTALL
08:30	7.00	15:30	2	DRILL ACTUAL	W/300 GPM, 60 RPM, 18K WT ON BIT, 250-550 DIFF PRESS, 6K TQ
15:30	1.00	16:30	5	COND MUD & CIRC	CIRC PUMP 2 HIGH VIS SWEEPS
16:30	3.50	20:00	6	TRIPS	WIPER TRIP F/7230' T/5100' - T.I.H.
20:00	2.00	22:00	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP - RAISE MUD WT DUE TO SHALE FALLING IN
22:00	2.00	00:00	6	TRIPS	L/D 70 JONTS 3.5" DP
00:00	2.50	02:30	6	TRIPS	T.O.O.H. F/5100' T/95'
02:30	0.50	03:00	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT DRAIN MUD MOTOR & L/D SAME
03:00	3.00	06:00	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN CSG

16-30D-46 LC Tribal 5/25/2013 06:00 - 5/26/2013 01:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	COMPLETION	7,230.0	Drilling & Completion

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	12	RUN CASING & CEMENT	Finish running liner - 2270.53' 4 1/2", 11.6#. P-110, LTC csg. PU liner hanger & tih w/4927' DP & HWDP(7197' tot).
11:00	3.50	14:30	5	COND MUD & CIRC	C&C f/cmt - wait on cmt tests.
14:30	3.50	18:00	12	RUN CASING & CEMENT	HSM. RU Halliburton and cement liner as follows: Press test to 8000 psi. Pump 35 bbls Tuned spacer @ 12 #, 7.2 yld, 45.41 gps H2O. Mix and pump 235 sx(60.7 bbls) Econocem cmt @ 13.5#, 1.45 yld, 6.85 gps H2O. Shut down, wash to pit, drop DP dart. Pump 5 bbls 12# Tuned spacer, 25 bbls H2O. Slowed rate @ 22 bbls into displacement to 2 bpm to pick up wiper plug. Pump 10 bbls spacer, 26.4 bbls drilling mud, bump plug @ 1100 psi. Bled back 3/4 bbl, dropped ball. Pulled pipe into tension, rupture disk @ 1/2 bpm, increase rate to 3 bpm to seat ball, expand liner. Pull 60k over string wt to verify tool set, slack off 45k to release set ting tool, pull out of liner. PBR @ 4930', GS @ 7229', FC @ 7134'. Circ cmt out w/mud, perform 3000#, 10 min press test. Displace/flush hole w/ .3 gal/Mgal H2O Clayweb & .15 gal/Mgal H2O Aldacide. RD Halliburton.
18:00	4.00	22:00	6	TRIPS	LDDP & HWDP, Liner setting tool.
22:00	3.00	01:00	14	NIPPLE UP B.O.P	NDBOP, Clean pits. Release rig @ 01:00.

**16-30D-46 LC Tribal 5/29/2013 06:00 - 5/30/2013 06:00**

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.
08:00	3.00	11:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 10k Tbg. Head With 2 1/16" x 10k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 10K Night Cap.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013513200000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<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: 6/24/2013	<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 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"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

This well received first production on 6/24/2013.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 25, 2013**

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 6/25/2013	

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.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: 20G0005500
2. NAME OF OPERATOR: BILL BARRETT CORP	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Uintah
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W Meridian: U	8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46
PHONE NUMBER: 303 312-8134 Ext	9. API NUMBER: 43013513200000
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: 6/30/2013	<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.

Attached is the June 2013 Drilling Activity for this well.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 09, 2013**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 7/9/2013	

**16-30D-46 LC Tribal 6/4/2013 06:00 - 6/5/2013 06:00**

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured With NightCap. HES Logging Crew Arrive On Location, Hold Safety Meeting, Prep Logging Tool.
07:00	10.00	17:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,929', Drilling Report Shows FC At 7,137', 208' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 6,929', Run Repeat Section From 3,000 - 3,200', Log Up Hole. Showed Good Bond From TD To Under Liner Top (Free Pipe), Good From Above Liner Top - 2,498'. TOC 2,498'. Found Short Joint At 5,988 - 6,008'. Ran With Pressure. Pooh, RD Equipment, MOL.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

16-30D-46 LC Tribal 6/12/2013 06:00 - 6/13/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.
08:00	2.50	10:30	BOPI	Install BOP's	N/D NITE CAP. N/U BOP. R/U FLOOR & EQUIPMENT. SPOT IN CATWALK & PIPE RACKS. LOAD 158 JTS 2-7/8 & 83 JTS 2-3/8 ON RACKS & TALLY.
10:30	4.00	14:30	RUTB	Run Tubing	P/U 3-7/8 BIT, 1 JT 2-3/8 TBG & XN- NIIPLE. RIH W/ BHA P/U NEW TBG, TAG CMT @ 7111'. 25' ABOVE FLOAT COLLAR.
14:30	2.00	16:30	CLN	Clean Out Hole	R/U POWER SWIVEL & CIRC EQUIPMENT. C/O CMT TO F/C @ 7136'. CIRC WELL CLEAN. RECOVERED +/- 20 BBLs HEAVY DRILLING MUD. R/D SWIVEL.
16:30	1.50	18:00	PULT	Pull Tubing	POOH TO 4785' L/D TBG. SDFN.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

16-30D-46 LC Tribal 6/13/2013 06:00 - 6/14/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	3.00	10:00	PULT	Pull Tubing	FINISH POOH W/ 3-7/8 BIT L/D 2-7/8 TBG.
10:00	1.00	11:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOP. N/U NITE. SHUT WELL IN.
11:00	1.50	12:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOVE 2-7/8 & 2-3/8 TBG TO 7-30D. CLEAN LOCATION.
12:30	2.50	15:00	RMOV	Rig Move	MOVE RIG & EQUIPMENT OFF LOCATION. SDFN.
15:00	15.00	06:00	CTRL	Crew Travel	CREW TRAVEL.

16-30D-46 LC Tribal 6/18/2013 06:00 - 6/19/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Mandrel, Test. Set Frac Tree, Test Casing. Plumb In FlowBack And SandTrap, Test. Filling Frac Line.

16-30D-46 LC Tribal 6/20/2013 06:00 - 6/21/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	Heat KCL. HES Set Mover And Manifold. Prep Fro Frac.

16-30D-46 LC Tribal 6/21/2013 06:00 - 6/22/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	LOCL	Lock Wellhead & Secure	WSI And Secured. Wireline Crew Arrive On Location. Hold Safety Meeting. Rig Up Lubricator, Arm Gun.
07:30	2.00	09:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Perforate Stage 1 CR-4A/CR-4 Zone, 6,719 - 6,939'. 45 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
09:30	4.50	14:00	SRIG	Rig Up/Down	HES Rigging Up
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

16-30D-46 LC Tribal 6/22/2013 06:00 - 6/23/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:00	0.00	06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
06:00	0.84	06:50	FRAC	Frac. Job	Frac Stage 1. Fluid System: Hybor G 16 Open Well, 126 Psi. ICP. BrokeDown At 9.5 Bpm And 2,663 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.1 Bpm And 2,840 Psi., Get ISIP, 1,190 Psi.. 0.61 Psi./Ft. F.G.. 35/45 Holes. Con't With SlickWater Pad, 45,263 Gals.. Stage Into Hybor Pad, 74.1 Bpm At 2,534 Psi.. On Perfs, 71.2 Bpm At 2,645 Psi., 11,305 Gals. Stage Into 2.0# 20/40 White Prop, 71.2 Bpm At 2,645 Psi.. On Perfs, 73.2 Bpm At 2,523 Psi., 8,509 Gals. Stage Into 3.0# 20/40 White Prop, 73.2 Bpm At 2,733 Psi.. On Perfs, 73.6 Bpm At 2,007 Psi., 21,443 Gals. Stage Into 3.5# 20/40 White Prop, 73.6 Bpm At 1,970 Psi.. On Perfs, 74.0 Bpm At 1,984 Psi., 8,661 Gals. Stage Into 4.0# 20/40 White Prop, 73.9 Bpm At 1,996 Psi.. On Perfs, 74.6 Bpm At 2,019 Psi., 8,619 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,387 Psi.. 0.64 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 139,900# Total Clean - 127,956 Gals.. 3,047 Bbls.. Produced Water - 67,417 Gals.. 2% KCL - 58,537 Gals.. BWTR - 3,203 Bbls. Max. Rate - 74.2 Bpm Avg. Rate - 73.4 Bpm Max. Psi. - 2,816 Psi. Avg. Psi. - 2,186 Psi.
06:50	0.17	07:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	0.92	07:55	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Set CBP At 6,710'. 1,200 Psi.. Perforate Stage 2 CR-4/CR-3 Zone, 6,492 - 6,690'. 42 Holes. 1,150 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
07:55	0.33	08:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
08:15	1.08	09:20	FRAC	Frac. Job	Frac Stage 2. Fluid System: Hybor G 16 Open Well, 1,090 Psi. ICP. BrokeDown At 10.2 Bpm And 2,026 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 73.4 Bpm And 3,505 Psi., Get ISIP, 1,170 Psi.. 0.62 Psi./Ft. F.G.. 36/45 Holes. Con't With SlickWater Pad, 51,650 Gals.. Stage Into Hybor Pad, 74.9 Bpm At 2,808 Psi.. On Perfs, 74.8 Bpm At 2,645 Psi., 13,025 Gals. Stage Into 2.0# 20/40 White Prop, 74.7 Bpm At 3,071 Psi.. On Perfs, 74.8 Bpm At 2,600 Psi., 7,138 Gals. Stage Into 3.0# 20/40 White Prop, 74.8 Bpm At 2,736 Psi.. On Perfs, 75.1 Bpm At 2,070 Psi., 28,943 Gals. Stage Into 3.5# 20/40 White Prop, 75.2 Bpm At 1,932 Psi.. On Perfs, 75.2 Bpm At 1,877 Psi., 8,373 Gals. Stage Into 4.0# 20/40 White Prop, 75.3 Bpm At 1,872 Psi.. On Perfs, 75.4 Bpm At 1,878 Psi., 9,269 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,231 Psi.. 0.62 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 160,000# Total Clean - 141,785 Gals.. 3,376 Bbls.. Produced Water - 73,198 Gals.. 2% KCL - 66,748 Gals.. BWTR - 3,562 Bbls. Max. Rate - 75.4 Bpm Avg. Rate - 75.1 Bpm Max. Psi. - 3,038 Psi. Avg. Psi. - 2,116 Psi.
09:20	0.17	09:30	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
09:30	0.92	10:25	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Set CBP At 6,483'. 1,150 Psi.. Perforate Stage 3 CR-3/CR-2 Zone, 6,251 - 6,463'. 45 Holes. 1,100 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:25	0.08	10:30	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
10:30	1.17	11:40	FRAC	Frac. Job	<p>Frac Stage 3. Fluid System: Hybor G 16 Open Well, 1,069 Psi. ICP. BrokeDown At 10.4 Bpm And 1,309 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.7 Bpm And 2,610 Psi., Get ISIP, 1,193 Psi.. 0.63 Psi./Ft. F.G.. 39/45 Holes. Con't With SlickWater Pad, 53,236 Gals.. Stage Into Hybor Pad, 74.8 Bpm At 2,309 Psi.. On Perfs, 74.8 Bpm At 2,392 Psi., 13,510 Gals. Stage Into 2.0# 20/40 White Prop, 74.7 Bpm At 2,644 Psi.. On Perfs, 74.9 Bpm At 2,303 Psi., 7,160 Gals. Stage Into 3.0# 20/40 White Prop, 74.9 Bpm At 2,442 Psi.. On Perfs, 75.2 Bpm At 1,935 Psi., 31,355 Gals. Stage Into 3.5# 20/40 White Prop, 75.2 Bpm At 1,804 Psi.. On Perfs, 75.2 Bpm At 1,717 Psi., 8,141 Gals. Stage Into 4.0# 20/40 White Prop, 75.1 Bpm At 1,724 Psi.. On Perfs, 75.6 Bpm At 1,682 Psi., 8,775 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,247 Psi.. 0.63 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 165,300# Total Clean - 145,744 Gals.. 3,470 Bbls.. Produced Water - 74,941 Gals.. 2% KCL - 68,941 Gals.. BWTR - 3,657 Bbls. Max. Rate - 76.8 Bpm Avg. Rate - 75.2 Bpm Max. Psi. - 2,626 Psi. Avg. Psi. - 1,942 Psi.</p>
11:40	0.17	11:51	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:51	0.91	12:45	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Set CBP At 6,223'. 1,000 Psi.. Perforate Stage 4 CR-2/Wasatch Zone, 5,988 - 6,203'. 45 Holes. 1,050 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
12:45	0.17	12:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
12:55	1.08	14:00	FRAC	Frac. Job	<p>Frac Stage 4. Fluid System: Hybor G 16 Open Well, 1,016 Psi. ICP. BrokeDown At 10.3 Bpm And 1,514 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 76.1 Bpm And 3,429 Psi., Get ISIP, 1,008 Psi.. 0.60 Psi./Ft. F.G.. 35/42 Holes. Con't With SlickWater Pad, 51,662 Gals.. Stage Into Hybor Pad, 75.5 Bpm At 2,641 Psi.. On Perfs, 75.4 Bpm At 2,682 Psi., 13,248 Gals. Stage Into 2.0# 20/40 White Prop, 75.5 Bpm At 2,676 Psi.. On Perfs, 75.5 Bpm At 2,396 Psi., 6,869 Gals. Stage Into 3.0# 20/40 White Prop, 75.5 Bpm At 2,479 Psi.. On Perfs, 75.6 Bpm At 1,761 Psi., 30,569 Gals. Stage Into 3.5# 20/40 White Prop, 75.6 Bpm At 1,679 Psi.. On Perfs, 75.6 Bpm At 1,710 Psi., 7,869 Gals. Stage Into 4.0# 20/40 White Prop, 75.5 Bpm At 1,714 Psi.. On Perfs, 75.7 Bpm At 1,672 Psi., 8,567 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,221 Psi.. 0.64 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 160,900# Total Clean - 141,632 Gals.. 3,372 Bbls.. Produced Water - 72,649 Gals.. 2% KCL - 67,122 Gals.. BWTR - 3,555 Bbls. Max. Rate - 75.8 Bpm Avg. Rate - 75.6 Bpm Max. Psi. - 2,653 Psi. Avg. Psi. - 1,862 Psi.</p>
14:00	0.17	14:10	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:10	0.83	15:00	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,977'. 950 Psi.. Perforate Stage 5 CR-1/UteLand Butte/Castle Peak Zone, 5,725 - 5,957'. 45 Holes. 850 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
15:00	0.17	15:10	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
15:10	1.08	16:15	FRAC	Frac. Job	Frac Stage 5. Fluid System: Hybor G 16 Open Well, 809 Psi. ICP. BrokeDown At 10.6 Bpm And 1,263 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.5 Bpm And 3,844 Psi., Get ISIP, 1,026 Psi.. 0.61 Psi./Ft. F.G.. 29/45 Holes. Con't With SlickWater Pad, 48,432 Gals.. Stage Into .75# 100 Mesh Pad, 76.1 Bpm At 3,004 Psi.. On Perfs, 76.3 Bpm At 2,747 Psi., 18,144 Gals. Stage Into 1.0# 20/40 White Prop, 76.3 Bpm At 2,798 Psi.. On Perfs, 76.3 Bpm At 2,712 Psi., 6,762 Gals. Stage Into 2.0# 20/40 White Prop, 76.3 Bpm At 2,757 Psi.. On Perfs, 76.4 Bpm At 2,351 Psi., 6,698 Gals. Stage Into 3.0# 20/40 White Prop, 76.3 Bpm At 2,446 Psi.. On Perfs, 76.4 Bpm At 2,200 Psi., 26,200 Gals. Stage Into 3.5# 20/40 White Prop, 76.3 Bpm At 2,000 Psi.. On Perfs, 76.5 Bpm At 1,919 Psi., 7,638 Gals. Stage Into 4.0# 20/40 White Prop, 76.6 Bpm At 1,929 Psi.. On Perfs, 76.5 Bpm At 1,861 Psi., 7,777 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,433 Psi.. 0.68 Psi./Ft. F.G.. WSI And Secured. Total Mesh - 13,600# Total 20/40 White Prop - 149,900# Total Clean - 144,740 Gals.. 3,446 Bbls.. Produced Water - 69,662 Gals.. 2% KCL - 73,219 Gals.. BWTR - 3,633 Bbls. Max. Rate - 76.8 Bpm Avg. Rate - 76.4 Bpm Max. Psi. - 2,987 Psi. Avg. Psi. - 2,377 Psi.
16:15	0.17	16:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
16:25	0.83	17:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,715'. 900 Psi.. Perforate Stage 6 Castle Peak/Black Shale Zone, 5,437 - 5,703'. 45 Holes. 500 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
17:15	12.75	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

16-30D-46 LC Tribal 6/23/2013 06:00 - 6/24/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:45	0.25	07:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.09	08:05	FRAC	Frac. Job	<p>Frac Stage 6. Fluid System: Hybor G 16 Open Well, 514 Psi. ICP. BrokeDown At 10.4 Bpm And 1,126 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 75.5 Bpm And 2,140 Psi., Get ISIP, 913 Psi.. 0.60 Psi./Ft. F.G.. 32/45 Holes. Con't With SlickWater Pad, 48,533 Gals.. Stage Into .75# 100 Mesh Pad, 75.4 Bpm At 2,041 Psi.. On Perfs, 75.7 Bpm At 1,981 Psi., 18,037 Gals. Stage Into 1.0# 20/40 White Prop, 75.7 Bpm At 1,990 Psi.. On Perfs, 75.6 Bpm At 1,887 Psi., 6,391 Gals. Stage Into 2.0# 20/40 White Prop, 75.6 Bpm At 1,976 Psi.. On Perfs, 75.6 Bpm At 1,691 Psi., 6,338 Gals. Stage Into 3.0# 20/40 White Prop, 75.6 Bpm At 1,750 Psi.. On Perfs, 75.7 Bpm At 1,563 Psi., 26,753 Gals. Stage Into 3.5# 20/40 White Prop, 75.7 Bpm At 1,508 Psi.. On Perfs, 75.6 Bpm At 1,504 Psi., 7,456 Gals. Stage Into 4.0# 20/40 White Prop, 75.6 Bpm At 1,508 Psi.. On Perfs, 75.6 Bpm At 1,530 Psi., 7,779 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,304 Psi.. 0.67 Psi./Ft. F.G.. WSI And Secured. Total Mesh - 13,440# Total 20/40 White Prop - 150,100# Total Clean - 143,561 Gals.. 3,418 Bbls.. Produced Water - 68,908 Gals.. 2% KCL - 72,754 Gals.. BWTR - 3,605 Bbls. Max. Rate - 75.9 Bpm Avg. Rate - 75.6 Bpm Max. Psi. - 2,045 Psi. Avg. Psi. - 1,706 Psi.</p>
08:05	0.17	08:15	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
08:15	0.83	09:05	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,421'. 850 Psi.. Perforate Stage 7 Black Shale/3PT MKR Zone, 5,153 - 5,401'. 45 Holes. 750 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
09:05	0.08	09:10	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
09:10	1.08	10:15	FRAC	Frac. Job	<p>Frac Stage 7. Fluid System: Hybor G 16 Open Well, 716 Psi. ICP. BrokeDown At 10.2 Bpm And 1,301 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 75.1 Bpm And 2,224 Psi., Get ISIP, 1,103 Psi.. 0.65 Psi./Ft. F.G.. 33/45 Holes. Con't With SlickWater Pad, 45,151 Gals.. Stage Into .75# 100 Mesh Pad, 75.2 Bpm At 2,206 Psi.. On Perfs, 75.4 Bpm At 2,205 Psi., 17,466 Gals. Stage Into 1.0# 20/40 White Prop, 75.5 Bpm At 2,213 Psi.. On Perfs, 75.4 Bpm At 2,093 Psi., 6,126 Gals. Stage Into 2.0# 20/40 White Prop, 75.7 Bpm At 2,128 Psi.. On Perfs, 75.4 Bpm At 1,925 Psi., 6,081 Gals. Stage Into 3.0# 20/40 White Prop, 75.5 Bpm At 1,990 Psi.. On Perfs, 75.5 Bpm At 1,783 Psi., 24,352 Gals. Stage Into 3.5# 20/40 White Prop, 75.8 Bpm At 1,646 Psi.. On Perfs, 75.7 Bpm At 1,575 Psi., 7,085 Gals. Stage Into 4.0# 20/40 White Prop, 75.8 Bpm At 1,606 Psi.. On Perfs, 75.9 Bpm At 1,594 Psi., 7,072 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,328 Psi.. 0.69 Psi./Ft. F.G.. WSI And Secured. Total Mesh - 13,000# Total 20/40 White Prop - 140,000# Total Clean - 135,014 Gals.. 3,215 Bbls.. Produced Water - 65,013 Gals.. 2% KCL - 68,182 Gals.. BWTR - 3,383 Bbls. Max. Rate - 76.1 Bpm Avg. Rate - 75.6 Bpm Max. Psi. - 2,226 Psi. Avg. Psi. - 1,896 Psi.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:15	0.34	10:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up CBP Plug Assembly. Equalize To Well Pressure.
10:35	0.75	11:20	PFRT	Perforating	RIH With 3 1/8" Sinker Bar And CCL, CBP Plug Assembly. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,105'. 900 Psi.. Bleed Pressure Off Well POOH. LayDown Tools, WSI And Secured.
11:20	3.17	14:30	SRIG	Rig Up/Down	RigDown WireLine And Frac Crews, MOL
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Batch Water. Move Frac Tanks. SDFD.

16-30D-46 LC Tribal 6/24/2013 06:00 - 6/25/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL
07:00	0.50	07:30	RMOV	Rig Move	ROAD RIG TO LOCATION
07:30	1.00	08:30	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU BOP.
08:30	2.00	10:30	GOP	General Operations	SET HYD WALK, AND PIPE RACKS. UNLOAD TBG.
10:30	1.00	11:30	DTIM	Downtime	R&M RIG. CHANGE OUT AIR COMPRESSOR.
11:30	1.00	12:30	SRIG	Rig Up/Down	RUSU.
12:30	4.00	16:30	RUTB	Run Tubing	MU 3-7/8" BIT, POBS, 1-JT 2-3/8" L-80, 1.87" XN, 71-JTS 2-3/8" L-80, X-OVER, AND 87-JTS 2-7/8" TO TAG KILL PLUG
16:30	2.50	19:00	DOPG	Drill Out Plugs	RU DRLG EQUIP. EST CIRC. PRES TEST TO 2500 PSI. GOOD. EST CIRC AND D/O PLUGS. CBP #1 AT 5105'. 0' SAND. FCP 400 PSI ON 40/64". RIH CBP #2 AT 5421'. 28' SAND. FCP 300 PSI ON 36/64". CIRC CLEAN. PULL 1-JT. EOT AT 5390'. TURN OVER TO FBC AND SALES.
19:00	11.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL TURNED OVER TO FBC AND SALES.

16-30D-46 LC Tribal 6/25/2013 06:00 - 6/26/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. JSA
07:00	6.50	13:30	DOPG	Drill Out Plugs	0 PSI ON TBG. 300 PSI ON CSG. FLOW 26/64" CHOKE. TURN TO FBC AND EST CIRC. CBP #3 AT 5715'. C/O 10' FILL. D/O CBP. RIH CBP #4 AT 5977'. C/O 20' FILL. D/O CBP. RIH. CBP #5 AT 6223'. C/O 24' FILL. D/O CBP. RIH CBP #6 AT 6483'. C/O 18' FILL. D/O CBP. RIH CBP #7 AT 6710'. C/O 33' FILL. D/O CBP. RIH PBTD-C/O 297' SAND TO FC AT 7136' (197' RATHOLE) CIRC CLEAN. RD PWR SWIVEL.
13:30	1.00	14:30	PULT	Pull Tubing	POOH AS LD 66-JTS.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:30	1.00	15:30	BOPR	Remove BOP's	LUBE IN AND LAND HANGER. RD FLOOR. ND BOP. NU WH. POBS AT 3200 PSI. TURN OVER TO FBC AND SALES. TBG DETAIL KB 15.00 HANGER .87 85-JTS 2-7/8" L-80 TBG 2697.58 X-OVER 1.20 71-JTS 2-3/8" L-80 TBG 2297.10 1.87" XN 1.15 1 JT 2-3/8" L-80 32.35 POBS .64
15:30	1.50	17:00	SRIG	Rig Up/Down	RDSU. RACK OUT EQUIP. CLEAN LOCATION. WELL ON FLOW BACK. MOVE OFF.
17:00	1.50	18:30	RMOV	Rig Move	ROAD RIG TOWARDS 5-10D-36 BTR. SDFN.
18:30	11.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL ON PRODUCITON.

(Berry) LC Tribal 16-30D-56 6/12/2013 06:00 - 6/13/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
	UT	Duchesne	Non-Operated			Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00			Road rig up hill to location, Spot rig over the hole. Too windy to rig up. Pumped into tubing to pressure test. SDFN

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
20G0005500

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator **BILL BARRETT CORPORATION** Contact: **CHRISTINA HIRTLER**
E-Mail: **chirtler@billbarrettcorp.com**

3. Address **1099 18TH STREET SUITE 2300 DENVER, CO 80202** 3a. Phone No. (include area code) **Ph: 303-312-8597**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **SESE 670FSL 685FEL**
At top prod interval reported below **SESE 834FSL 809FEL**
At total depth **SESE 825FSL 829FEL**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No.
LC TRIBAL 16-30D-46

9. API Well No. **43-013-51320**

10. Field and Pool, or Exploratory
ALTAMONT

11. Sec., T., R., M., or Block and Survey or Area **Sec 30 T4S R6W Mer UBM**

12. County or Parish **DUCHESNE** 13. State **UT**

14. Date Spudded **04/24/2013** 15. Date T.D. Reached **05/24/2013** 16. Date Completed D & A Ready to Prod. **06/24/2013**

17. Elevations (DF, KB, RT, GL)* **7452 GL**

18. Total Depth: MD **7245** TVD **7236** 19. Plug Back T.D.: MD **7138** TVD **7129** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

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

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
24.000	16.000 COND	65.0	0	80	80				
12.250	9.625 J-55	36.0	0	1807	1805	500	203	0	
8.750	7.000 P110	26.0	0	7245	7228	730	213	3206	
6.125	4.500 P110	11.6	5290	7230					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4896							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	5153	5957	5153 TO 5957	0.380	135	OPEN
B) WASATCH	5988	6939	5988 TO 6939	0.380	174	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
5153 TO 5957	GREEN RIVER SEE ATTACHED STAGES 5-7
5988 TO 6939	WASATCH SEE ATTACHED STAGES 1-4

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/24/2013	06/30/2013	24	→	279.0	94.0	34.0	52.0		FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	SI 175	225.0	→	279	94	34	337	POW	

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #214622 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1927
				MAHOGANY	2597
				DOUGLAS CREEK	4480
				BLACK SHALE FACIES	5212
				CASTLE PEAK	5472
				UTELAND BUTTE	5774
				WASATCH	5984
				TD	7245

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. Conductor cemented with grout. Attached is the treatment data, logs and End of Well Report. First Gas sales were 6/24/2013.

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 #214622 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal**

Name (please print) CHRISTINA HIRTLER Title ADMINISTRATIVE ASSISTANT

Signature (Electronic Submission) Date 07/23/2013

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

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RECEIVED: Jul. 24, 2013

16-30D-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 100 Common Mesh</u>	<u>lbs 20/40 White Sand</u>	<u>gal 15% HCl Acid</u>
1	3047		139900	3920
2	3386		160000	3900
3	3471		165300	3900
4	3376		160900	3900
5	3445	13600	149900	3900
6	3418	13440	150100	3797
7	3215	12700		3630

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



Design Report for LC Tribal 16-30D-46 - Sperry Final Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00
152.00	0.28	353.450	152.00	0.37	-0.04	0.30	0.18
First Sperry MWD Survey @ 152.00' MD							
244.00	0.17	323.310	244.00	0.70	-0.15	0.62	0.17
336.00	0.51	230.170	336.00	0.55	-0.55	0.77	0.59
429.00	0.45	267.070	428.99	0.27	-1.23	1.02	0.33
521.00	0.83	13.910	520.99	0.89	-1.43	1.62	1.14
616.00	1.21	20.540	615.98	2.50	-0.91	2.46	0.42
708.00	1.01	348.990	707.96	4.21	-0.73	3.60	0.69
800.00	0.91	359.620	799.95	5.73	-0.89	4.84	0.22
892.00	0.88	351.710	891.93	7.16	-0.99	5.97	0.14
983.00	0.72	346.830	982.93	8.41	-1.22	7.05	0.19
1,078.00	0.72	338.680	1,077.92	9.55	-1.58	8.13	0.11
1,173.00	0.66	314.210	1,172.91	10.49	-2.19	9.23	0.31
1,268.00	0.38	288.900	1,267.91	10.97	-2.88	10.05	0.37
1,363.00	0.53	278.010	1,362.91	11.13	-3.61	10.67	0.18
1,458.00	0.54	248.680	1,457.90	11.03	-4.46	11.16	0.29
1,552.00	0.48	263.770	1,551.90	10.83	-5.26	11.55	0.16
1,647.00	0.47	324.670	1,646.89	11.10	-5.89	12.17	0.51
1,735.00	0.96	25.420	1,734.89	12.06	-5.78	12.81	0.95
1,835.00	1.33	41.810	1,834.87	13.68	-4.64	13.25	0.49
1,930.00	1.21	49.260	1,929.85	15.16	-3.15	13.34	0.21
2,024.00	1.75	3.790	2,023.82	17.24	-2.30	14.31	1.33
2,119.00	1.47	15.590	2,118.78	19.86	-1.88	15.97	0.46
2,214.00	1.60	319.250	2,213.75	22.04	-2.42	17.94	1.53
2,309.00	0.97	314.460	2,308.73	23.61	-3.86	20.07	0.67
2,404.00	2.33	316.270	2,403.68	25.57	-5.77	22.80	1.43
2,499.00	2.78	305.940	2,498.59	28.31	-8.97	26.99	0.68
2,594.00	3.29	299.340	2,593.46	31.00	-13.21	31.83	0.65
2,689.00	4.44	309.820	2,688.24	34.69	-18.41	38.06	1.42
2,783.00	6.61	321.120	2,781.80	41.24	-24.60	47.06	2.57
2,878.00	6.24	320.360	2,876.20	49.47	-31.33	57.68	0.40
2,972.00	5.88	321.120	2,969.68	57.15	-37.61	67.59	0.39
3,067.00	5.58	320.680	3,064.20	64.51	-43.59	77.06	0.32
3,162.00	5.27	320.840	3,158.78	71.47	-49.27	86.03	0.33
3,257.00	6.23	320.500	3,253.30	78.83	-55.30	95.53	1.01
3,352.00	5.45	322.440	3,347.81	86.38	-61.33	105.18	0.85
3,440.00	5.04	319.180	3,435.44	92.62	-66.41	113.21	0.58
3,535.00	6.70	324.560	3,529.94	100.29	-72.35	122.88	1.84
3,630.00	7.43	323.020	3,624.21	109.72	-79.26	134.50	0.79
3,724.00	6.67	322.500	3,717.50	118.90	-86.24	146.00	0.81
3,819.00	6.03	323.060	3,811.92	127.27	-92.59	156.46	0.68
3,914.00	6.29	319.840	3,906.37	135.23	-98.95	166.63	0.46
4,009.00	4.79	315.370	4,000.93	142.03	-105.09	175.80	1.64
4,104.00	3.26	310.280	4,095.69	146.60	-109.94	182.44	1.65
4,198.00	2.25	334.100	4,189.58	149.99	-112.79	186.86	1.60
4,293.00	1.79	325.750	4,284.52	152.89	-114.44	190.12	0.57
4,388.00	1.90	322.770	4,379.47	155.37	-116.22	193.16	0.15
4,483.00	1.34	19.900	4,474.44	157.67	-116.80	195.24	1.71
4,578.00	1.31	316.770	4,569.42	159.51	-117.16	196.85	1.46



Design Report for LC Tribal 16-30D-46 - Sperry Final Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,673.00	1.55	313.980	4,664.39	161.19	-118.83	199.22	0.26
4,768.00	0.98	336.690	4,759.37	162.83	-120.08	201.27	0.79
4,862.00	0.78	328.230	4,853.36	164.11	-120.73	202.66	0.25
4,956.00	0.66	305.190	4,947.35	164.97	-121.51	203.81	0.33
5,049.00	1.02	261.100	5,040.34	165.15	-122.77	204.79	0.77
5,144.00	1.22	227.940	5,135.32	164.34	-124.35	205.26	0.70
5,239.00	1.72	218.790	5,230.29	162.55	-126.00	205.04	0.58
5,355.00	1.25	227.390	5,346.25	160.34	-128.02	204.76	0.45
5,451.00	1.66	226.120	5,442.22	158.67	-129.79	204.72	0.43
5,545.00	0.93	252.520	5,536.20	157.49	-131.50	205.00	0.98
5,640.00	1.26	258.830	5,631.18	157.06	-133.26	205.86	0.37
5,734.00	1.13	330.860	5,725.16	157.67	-134.73	207.30	1.50
5,829.00	0.74	305.130	5,820.15	158.84	-135.69	208.81	0.59
5,925.00	0.46	264.490	5,916.15	159.16	-136.58	209.64	0.51
6,021.00	0.38	269.180	6,012.14	159.12	-137.28	210.08	0.09
6,116.00	0.48	283.860	6,107.14	159.21	-137.98	210.62	0.16
6,211.00	0.48	274.810	6,202.14	159.34	-138.76	211.24	0.08
6,305.00	0.36	251.110	6,296.14	159.27	-139.43	211.65	0.22
6,401.00	0.48	242.000	6,392.13	158.99	-140.07	211.87	0.14
6,496.00	0.61	268.340	6,487.13	158.79	-140.93	212.29	0.29
6,592.00	0.64	265.070	6,583.12	158.73	-141.98	212.95	0.05
6,687.00	0.40	258.770	6,678.12	158.62	-142.83	213.44	0.26
6,781.00	0.24	238.920	6,772.12	158.45	-143.32	213.65	0.20
6,876.00	0.17	194.890	6,867.12	158.21	-143.53	213.61	0.18
6,971.00	0.31	171.240	6,962.12	157.82	-143.52	213.32	0.18
7,066.00	0.38	184.900	7,057.11	157.25	-143.51	212.89	0.11
7,161.00	0.71	188.000	7,152.11	156.36	-143.62	212.30	0.35
7,184.00	0.78	184.500	7,175.11	156.06	-143.65	212.11	0.36
Last Sperry MWD Survey @ 7184.00' MD							
7,230.00	0.78	184.500	7,221.10	155.44	-143.70	211.68	0.00
Straight Line Projection to TD @ 7230.00' MD							

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
152.00	152.00	0.37	-0.04	First Sperry MWD Survey @ 152.00' MD
7,184.00	7,175.11	156.06	-143.65	Last Sperry MWD Survey @ 7184.00' MD
7,230.00	7,221.10	155.44	-143.70	Straight Line Projection to TD @ 7230.00' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	+E/-W (ft)	Start TVD (ft)
Target	LC Tribal 16-30D-46_BHL Tgt	317.751	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
152.00	7,230.00	Sperry MWD Surveys	MWD



Design Report for LC Tribal 16-30D-46 - Sperry Final Surveys

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LC Tribal 16-30D-46_Z - actual wellpath misses target center by 24.95ft at 4827.35ft MD (4818.71 TVD, 163.69 N, -120.49 E) - Rectangle (sides W200.00 H200.00 D2,369.00)	0.00	0.00	4,819.00	139.53	-126.73	644,422.37	2,252,298.96	40° 5' 56.839 N	110° 35' 53.081 W
LC Tribal 16-30D-46_6 - actual wellpath hits target center - Polygon	0.00	0.00	0.00	0.00	0.00	644,284.14	2,252,427.08	40° 5' 55.460 N	110° 35' 51.450 W
Point 1				-660.00	-10.00	644,267.48	2,251,767.27		
Point 2				25.00	-10.00	644,274.39	2,252,452.17		
Point 3				25.00	660.00	644,944.30	2,252,445.42		
Point 4				25.00	-10.00	644,274.39	2,252,452.17		
Point 5				-660.00	-10.00	644,267.48	2,251,767.27		
LC Tribal 16-30D-46_E - actual wellpath misses target center by 26.94ft at 7184.00ft MD (7175.11 TVD, 156.06 N, -143.65 E) - Point	0.00	0.00	7,188.00	139.53	-126.73	644,422.37	2,252,298.95	40° 5' 56.839 N	110° 35' 53.081 W
LC Tribal 16-30D-46_ε - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	644,284.14	2,252,427.08	40° 5' 55.460 N	110° 35' 51.450 W

North Reference Sheet for Sec. 30-T4S-R6W - LC Tribal 16-30D-46 - Plan A

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

Vertical Depths are relative to RKB 22' @ 7470.00ft (Nabors M22). Northing and Easting are relative to LC Tribal 16-30D-46

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

Projection method is Lambert Conformal Conic (2 parallel)

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

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99990939

Grid Coordinates of Well: 644,284.14 ft N, 2,252,427.08 ft E

Geographical Coordinates of Well: 40° 05' 55.46" N, 110° 35' 51.45" W

Grid Convergence at Surface is: 0.58°

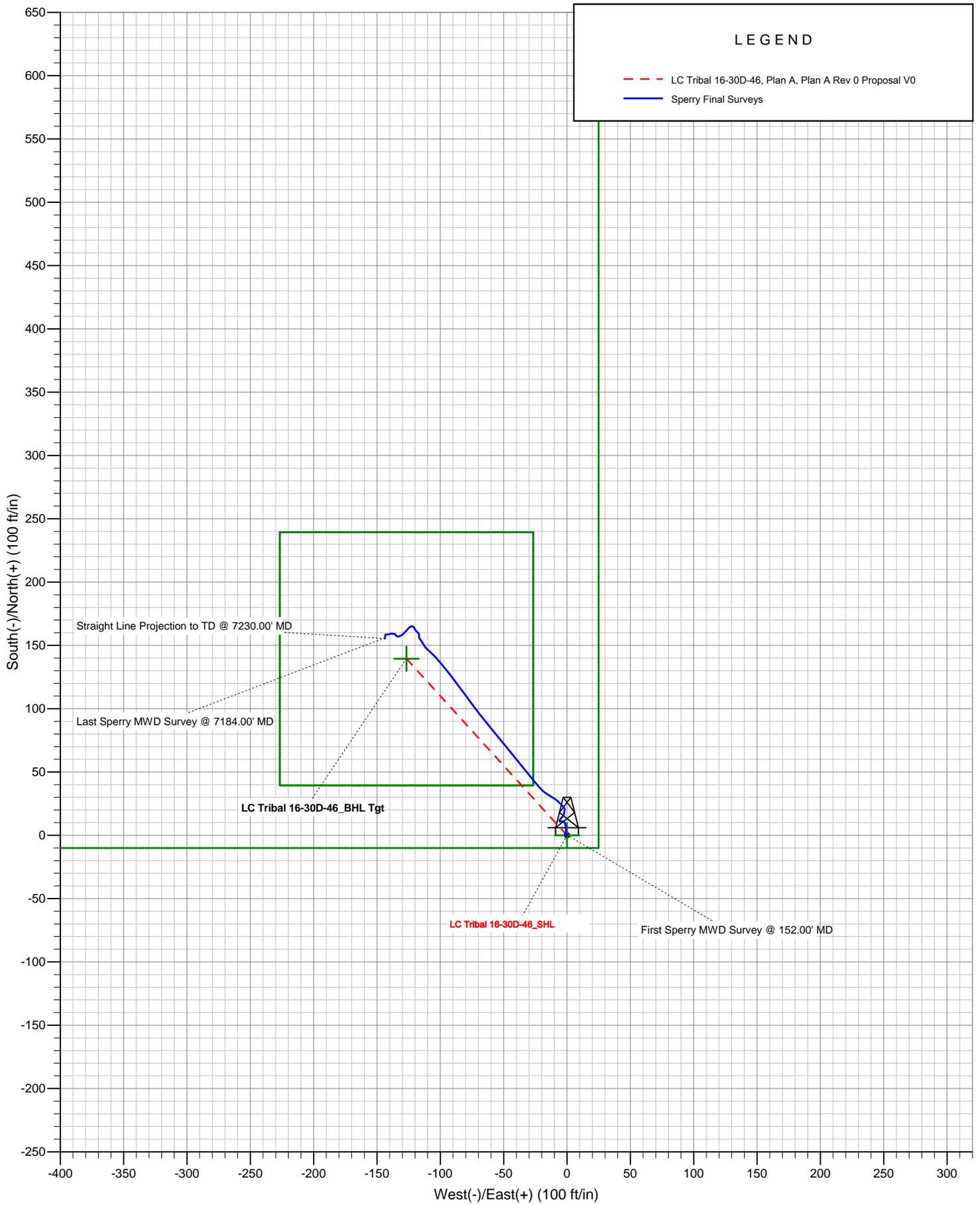
Based upon Minimum Curvature type calculations, at a Measured Depth of 7,230.00ft
the Bottom Hole Displacement is 211.68ft in the Direction of 317.25° (True).

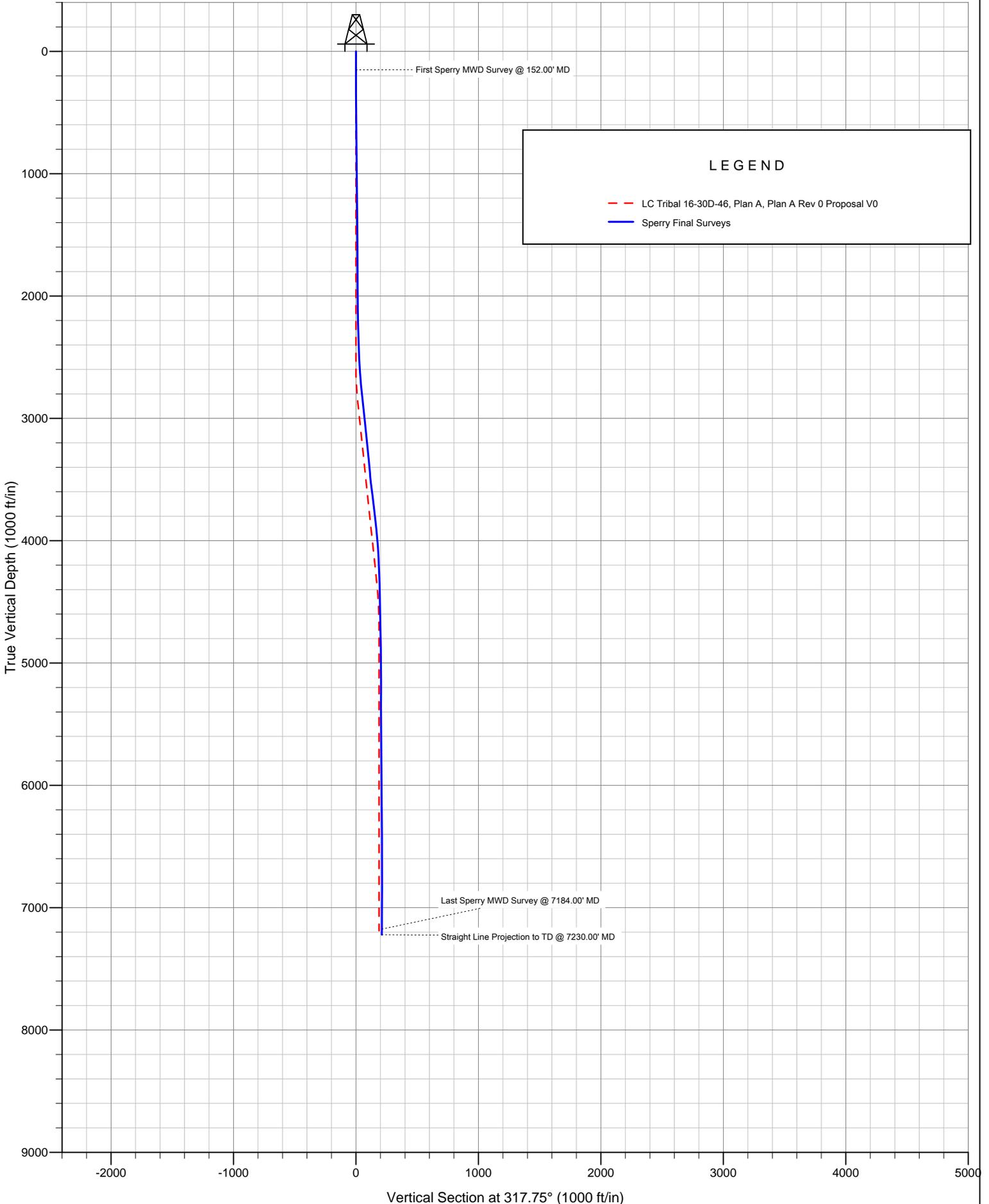
Magnetic Convergence at surface is: -10.75° (7 May 2013, , BGGM2012)

Magnetic Model: BGGM2012
Date: 07-May-13
Declination: 11.33°
Inclination/Dip: 65.66°
Field Strength: 51942

Grid North is 0.58° East of True North (Grid Convergence)
Magnetic North is 11.33° East of True North (Magnetic Declination)
Magnetic North is 10.75° East of Grid North (Magnetic Convergence)

To convert a True Direction to a Grid Direction, Subtract 0.58°
To convert a Magnetic Direction to a True Direction, Add 11.33° East
To convert a Magnetic Direction to a Grid Direction, Add 10.75°





LEGEND

- LC Tribal 16-30D-46, Plan A, Plan A Rev 0 Proposal V0
- Sperry Final Surveys



16-30D-46 LC Tribal 5/4/2013 16:00 - 5/5/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
16:00	14.00	06:00	1	RIGUP & TEARDOWN	RDRT

16-30D-46 LC Tribal 5/5/2013 06:00 - 5/6/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	RDRT. Move camps, gens, tanks, pumps, pits, pipe, change/parts/bit houses. Sub squatted, derrick laid over. Crews went home @ 20:00.
20:00	10.00	06:00	1	RIGUP & TEARDOWN	Wait on daylight.

16-30D-46 LC Tribal 5/6/2013 06:00 - 5/7/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	1	RIGUP & TEARDOWN	MIRU. 90% rig on location, 50% rigged up. Crew worked overnight.

16-30D-46 LC Tribal 5/7/2013 06:00 - 5/8/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	1	RIGUP & TEARDOWN	RURT. Derrick scoped, rig 90% rigged up. ETA spud this a.m.

16-30D-46 LC Tribal 5/8/2013 06:00 - 5/9/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	21.50	03:30	1	RIGUP & TEARDOWN	RU drlg spool, annular, rot head. Hook up flow line, choke, line, panic line. Go through pre-drill check list.
03:30	2.50	06:00	20	DIRECTIONAL WORK	Rig on daywork @ 03:30. PU BHA.

16-30D-46 LC Tribal 5/9/2013 06:00 - 5/10/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	20	DIRECTIONAL WORK	PU BHA. Tag @ 98'.
06:30	1.50	08:00	2	DRILL ACTUAL	Drill 98' - 177'. Spud Well @ 06:30.
08:00	2.00	10:00	20	DIRECTIONAL WORK	PU Dir assbly. Orient & scribe mm.
10:00	3.50	13:30	2	DRILL ACTUAL	Steerable drlg 177' - 592'. 540 gpm, 40 rpm, spp 1250 psi, dp 280 psi, rop 119 fph.
13:30	0.50	14:00	5	COND MUD & CIRC	Sweep hole, C&C f/trip.
14:00	2.00	16:00	6	TRIPS	Toh 5 stds to 8", PU (9) 6 1/2" DC's, Tih.
16:00	6.00	22:00	2	DRILL ACTUAL	Install rot rubber. Steerable drlg 592' - 1435'. Gpm 550, rpm 45/132, spp 1300 psi, dp 300 psi, rop 141 fph.
22:00	0.50	22:30	7	LUBRICATE RIG	Rig Service.



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
22:30	2.50	01:00	2	DRILL ACTUAL	Steerable drlg 1435' - 1670'. Gpm 450, rpm 45/108, spp 1100 psi, dp 200 psi, rop 94 fph. Partial returns - losing mud - 200 bbls.	
01:00	0.50	01:30	5	COND MUD & CIRC	C&C mud, Pump LCM. Regain returns, lost 200 bbls.	
01:30	1.00	02:30	2	DRILL ACTUAL	Steerable drlg 1670' - 1752'. Gpm 450, rpm 45/108, spp 1100 psi, dp 200 psi, rop 94 fph. Lost 100 bbls.	
02:30	0.50	03:00	5	COND MUD & CIRC	C&C mud, Pump LCM. Lost 150 bbls.	
03:00	1.00	04:00	2	DRILL ACTUAL	Steerable drlg 1752' - 1807'. TD surface @ 1807'. Gpm 400, rpm 45/96, spp 1000 psi, dp 200 psi, rop 55 fph. Lost 100 bbls.	
04:00	2.00	06:00	5	COND MUD & CIRC	C&C mud, Pump LCM. Lost 350 bbls.	

16-30D-46 LC Tribal 5/10/2013 06:00 - 5/11/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	5	COND MUD & CIRC	C&C f/ST. Spot lcm pill.	
06:30	2.00	08:30	6	TRIPS	ST to DC's. Hole in good shape, took proper amount of fluid.	
08:30	1.00	09:30	5	COND MUD & CIRC	C&C f/toh to run csg.	
09:30	4.50	14:00	6	TRIPS	Toh. LD dir tools, 8" tools, reamers.	
14:00	3.50	17:30	12	RUN CASING & CEMENT	HSM. RU Weatherford TRS and run 9 5/8", 36#, J-55, STC csg as follows: Guide shoe, 1 jt csg, float shoe, 40 jts csg.	
17:30	1.00	18:30	5	COND MUD & CIRC	C&C f/cmt.	
18:30	2.00	20:30	12	RUN CASING & CEMENT	HSM. RU HES and cement surface as follows: Press test to 3000 psi. Pump 20 bbls H2O, 40 bbls superflush, 20 bbls H2O. Mix and pump 260 sx(146.3 bbls) Halcem lead cement @ 11 ppg, 3.16 yld, 19.48 gps H2O. Tail in with 240 sx(56.8 bbls) Halcem cement @ 14.8 ppg, 1.33 yld, 6.31 gps H2O. Drop top plug, wash up on top of plug. Pump 136.2 bbls displacement. Full returns, 75 bbls cmt to surface, pipe was reciprocated. Max pressure 480 psi, bump plug to 990 psi. bled back 3/4 bbl, floats held. Cement fell 50', prepare for top job.	
20:30	0.50	21:00	12	RUN CASING & CEMENT	Top job # 1 - 40 sx(8 bbls) cmt @ 15.8 ppg, 1.17 yld, 5.02 gps H2O, 2% cacl.	
21:00	1.50	22:30	13	WAIT ON CEMENT	W.O.C. Cement fell 40'.	
22:30	0.50	23:00	12	RUN CASING & CEMENT	Top job # 2 - 30 sx(6 bbls) cmt @ 15.8 ppg, 1.17 yld, 5.02 gps H2O, 2% cacl.	
23:00	1.00	00:00	13	WAIT ON CEMENT	W.O.C. Cement @ GL. RD Halliburton.	
00:00	6.00	06:00	21	OPEN	ND annular, riser. Cut csg off, weld on 11" X 9 5/8", 5000#, SOW wellhead. 9 5/8" surf csg set @ 1805'.	

16-30D-46 LC Tribal 5/11/2013 06:00 - 5/12/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	21	OPEN	Finish welding wellhead.	
06:30	6.00	12:30	14	NIPPLE UP B.O.P	NUBOPE.	
12:30	5.00	17:30	15	TEST B.O.P	HSM. RU B&C Quicktest. Test lower kelly, safety, dart valves, pipe & blind rams, choke line, manifold valves, kill line valve, check valve, hcr to 5000 psi high, 250 psi low f/10 min. Test Hydrill to 2500 psi high, 250 psi low f/10 min. Test surface csg to 1500 psi f/30 min. Perform koomey function test.	
17:30	0.50	18:00	21	OPEN	Install wear bushing.	
18:00	4.50	22:30	6	TRIPS	PU dir tools, orient & scribe mm, tih. Tag cmt @ 1750'.	
22:30	1.50	00:00	21	OPEN	Drill cmt, flt equip, 20' new hole to 1827'.	
00:00	1.00	01:00	21	OPEN	Spot high vis lcm pill @ shoe, F.I.T. to 120 psi f/9.8 emw.	
01:00	5.00	06:00	6	TRIPS	String packed off, toh to purge. XO mud motor(plugged).	

16-30D-46 LC Tribal 5/12/2013 06:00 - 5/13/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	Unplug dir tools, PU new mm, tih.
09:00	7.50	16:30	2	DRILL ACTUAL	Steerable drlg 1827' - 2561'. 350 gpm, rpm 30/105, spp 1000 psi, dp 250 psi, rop 98 fph.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service.
17:00	6.00	23:00	2	DRILL ACTUAL	Steerable drlg 2561' - 3129'. 380 gpm, rpm 30/114, spp 1200 psi, dp 250 psi, rop 95 fph. Pipe stuck after connection. BOP Drill Daylights - 1 minute.
23:00	6.00	05:00	5	COND MUD & CIRC	Work tight hole, got pipe free.
05:00	1.00	06:00	5	COND MUD & CIRC	Try to establish circulation, Pump lcm sweeps.

16-30D-46 LC Tribal 5/13/2013 06:00 - 5/14/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	5	COND MUD & CIRC	C&C mud, try to regain circulation. Pump lcm sweeps, build volume.
07:00	3.50	10:30	2	DRILL ACTUAL	Steerable drlg 3129' - 3413'. Partial/no returns.
10:30	5.00	15:30	21	OPEN	Work tight hole.
15:30	2.00	17:30	21	OPEN	PU surface jars, work jars. Pipe came free.
17:30	2.00	19:30	5	COND MUD & CIRC	C&C, run lcm sweeps. Spot lcm pill on bottom.
19:30	4.00	23:30	6	TRIPS	Toh. Spot lcm pill @ 2400'. XO bit, LD reamers.
23:30	4.00	03:30	6	TRIPS	Tih.
03:30	0.50	04:00	5	COND MUD & CIRC	Circ BU, sweep hole. No returns.
04:00	0.50	04:30	7	LUBRICATE RIG	Rig Service. Bop drill morning tour.
04:30	1.50	06:00	2	DRILL ACTUAL	Steerable drlg 3413' - 3491'. 300 gpm, rpm 45/90, spp 900 psi, dp 275 psi, rop 52 fph.

16-30D-46 LC Tribal 5/14/2013 06:00 - 5/15/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 3491' - 4249'. 320 gpm, rpm 45/91, spp 850 psi, dp 350 psi, rop 69 fph. No returns, lcm content 25%, sweeping hole w/ 50-55% lcm.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service.
17:30	1.00	18:30	2	DRILL ACTUAL	Steerable drlg 4249' - 4344'. 320 gpm, rpm 45/91, spp 900 psi, dp 400 psi, rop 95 fph. No returns, lcm content 25%, sweeping hole w/ 50-55% lcm.
18:30	4.50	23:00	6	TRIPS	Spot 100 bbl 55% lcm pill, toh 15 stds. Wait 2 hrs, stage back to bottom.
23:00	4.50	03:30	2	DRILL ACTUAL	Steerable drlg 4344' - 4629'. 320 gpm, rpm 45/91, spp 900 psi, dp 400 psi, rop 63 fph. No returns, lcm content 25%, sweeping hole w/ 50-55% lcm.
03:30	2.50	06:00	6	TRIPS	Spot 100 bbl 55% lcm pill, toh 15 stds. Wait 2 hrs, stage back to bottom.

16-30D-46 LC Tribal 5/15/2013 06:00 - 5/16/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	6	TRIPS	Finish letting pill soak, stage in hole.
08:30	6.00	14:30	2	DRILL ACTUAL	Steerable drlg 4629' - 5101'. gpm 320, rpm 45/92, spp 900 psi, dp 300 psi, rop 79 fph.
14:30	9.00	23:30	6	TRIPS	Toh to 2400', spot 100 bbl 55% lcm pill. Toh to 1300', spot 100 bbl 55% lcm pill. Toh to 300'. Let pill soak.
23:30	4.00	03:30	6	TRIPS	Stage in hole, break circ every 1000', had circ @ 1300' and 2300', none after that.
03:30	2.50	06:00	2	DRILL ACTUAL	Steerable drlg 5101' - 5226'. No returns.

**16-30D-46 LC Tribal 5/16/2013 06:00 - 5/17/2013 06:00**

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Steerable drlg 5226' - 5290'.
06:30	11.50	18:00	6	TRIPS	Toh to 2850', spot 100 bbl 55% lcm pill, toh to 1300', spot 60 bbl 55% lcm pill, toh, let pills soak. Stage back in hole open-ended w/DP try to circ every 500'. Hole empty to 2885'. Tih to bottom.
18:00	11.00	05:00	6	TRIPS	Spot 60 bbl 55% lcm pill on bottom, toh to 2850', spot 100 bbl 55% lcm pill, toh to 1500', spot 60 bbl 55% lcm pill, toh, let pills soak. Stage back in hole open-ended w/DP try to circ every 500'. Circ returns @ 2200', no returns after 2900'.
05:00	1.00	06:00	5	COND MUD & CIRC	C&C mud.

16-30D-46 LC Tribal 5/17/2013 06:00 - 5/18/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	21	OPEN	Toh to 2800', spot 130 bbl 55-60% lcm pill, toh to shoe. Let pills soak, stage in hole to 2900', no circ. Toh to 2800', spot 50 bbl "gunk" pill, load backside w/40% lcm mud, let pill set. Stage in to 3000', no circ. Spot 2nd gunk pill, load backside w/40% lcm mud, toh to shoe, let pill set. Stage in to 3000', no circ.

16-30D-46 LC Tribal 5/18/2013 06:00 - 5/19/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	21	OPEN	Pump 60 bbl, 55% lcm pills @ 2900', 2800', 2700'. Attempt to fill backside.
08:30	1.00	09:30	6	TRIPS	Toh to shoe.
09:30	3.00	12:30	21	OPEN	Wait on pills.
12:30	6.50	19:00	6	TRIPS	Stage in hole to bottom, C&C f/cmt plug. Toh, circ @ 3500', 2985'.
19:00	1.50	20:30	12	RUN CASING & CEMENT	HSM. RU HES, press test to 3000 psi. Pump 10 bbls H2O spacer, pump 284 sx (76 bbls) cmt @ 14.2 ppg, 1.48 yld, 7.13 gps H2O @ 2 bpm. Max press 115 psi. Displace 20 bbls, leaving 21 bbls in DP. DP on slight vacuum, barely sucking. Wash up to pit, RD HES.
20:30	1.00	21:30	6	TRIPS	Toh to 1000'.
21:30	1.00	22:30	5	COND MUD & CIRC	Attempt to fill backside.
22:30	1.00	23:30	6	TRIPS	Toh. Bop drill morning tour.
23:30	6.50	06:00	13	WAIT ON CEMENT	W.O.C.

16-30D-46 LC Tribal 5/19/2013 06:00 - 5/20/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	13	WAIT ON CEMENT	W.O.C.
13:00	12.00	01:00	3	REAMING	Wash in hole w/dir tools. No cmt, no circ. Wash to bottom.
01:00	5.00	06:00	6	TRIPS	Spot 55% lcm pills @ 5000', 2800', 1300'. Toh.

16-30D-46 LC Tribal 5/20/2013 06:00 - 5/21/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	6	TRIPS	Finish toh.
07:00	1.00	08:00	20	DIRECTIONAL WORK	L/D MWD TOOL - CLEAN OUT PACKED OFF MONEL
08:00	0.50	08:30	7	LUBRICATE RIG	RIG SERVICE
08:30	1.50	10:00	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT - L/D MUD MOTOR
10:00	1.00	11:00	6	TRIPS	T.I.H. F/O' T/1750'
11:00	1.00	12:00	9	CUT OFF DRILL LINE	SLIP & CUT DRILL LINE
12:00	2.50	14:30	5	COND MUD & CIRC	BUILD VOLUME & RAISE LCM CONTENT TO 30%
14:30	1.50	16:00	5	COND MUD & CIRC	PUMP 100 BBLS POLLY SWELL SWEEP - DISPLACE WITH MUD - ESTABLISHED RETURNS - CLOSE ANNULAR AND SQUEEZE POLLY SWELL SWEEP (110 PSI) @ 10 SPM
16:00	2.00	18:00	5	COND MUD & CIRC	LET PILL SOAK
18:00	7.50	01:30	6	TRIPS	STAGE IN HOLE - BREAK CIRC EVERY 5 STANDS - LOST RETURNS @ 2500' UNABLE TO REGAIN CIRC
01:30	1.50	03:00	5	COND MUD & CIRC	CIRC 1 1/2 B/U - SPOT 55% LCM PILL
03:00	3.00	06:00	6	TRIPS	L/D DRILL PIPE F/5290' T/3000'

16-30D-46 LC Tribal 5/21/2013 06:00 - 5/22/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	L/D DRILL PIPE & DCs
09:00	0.50	09:30	21	OPEN	PULL WEAR BUSHING
09:30	9.50	19:00	12	RUN CASING & CEMENT	R/U CSG CREW & RUN 129 JOINTS 7" 26# P-110 CSG WITH 44 CENTRALIZERS - CSG SET @ 5130' -
19:00	8.50	03:30	12	RUN CASING & CEMENT	ATTEMPT TO WASH CSG TO BOTTOM UNABLE TO MAKE IT PAST 5142' - L/D ONE JOINT - REPLACE DAMAGED COLLAR
03:30	1.00	04:30	5	COND MUD & CIRC	R/U CEMENT HEAD & CIRC WITH RIG PUMPS WHILE FINISHING RIGGING UP CEMENTERS
04:30	1.50	06:00	12	RUN CASING & CEMENT	S/M - TEST LINES @ 4500 PSI PUMP 1ST STAGE CEMENT - 20 BBLS WATER, 111 BBLS 430 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.85 GAL SK, SHUT DOWN DROP PLUG & DISPLACE WITH 20 BBLS WATER, 75 BBBLS MUD, 20 BBLS WATER TO COVER DVT, 60 BBLS MUD, 19.5 BBLS WATER (194.5 BBLS TOTAL) - FINAL LIFT PRESSURE 1480 PSI BUMP PLUG @ 1980 PSI - FLOATS HELD - NO RETURNS DURING JOB

16-30D-46 LC Tribal 5/22/2013 06:00 - 5/23/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	12	RUN CASING & CEMENT	FINISHING BUMPING DISPLACMENT - DROP BOMB - WAIT 15 MIN PRESSURE UPTO 950 PSI TO OPEN DV TOOL
06:30	2.50	09:00	5	COND MUD & CIRC	CIRC 250 BBLS @ 20 SPM
09:00	1.50	10:30	12	RUN CASING & CEMENT	S/M - TEST LINES @ 4500 PSI - PUMP 20 BBLS WATER SPACER, 82 BBLS 200 SKS 11 PPG 2.32 YIELD LEAD CEMENT MIXED @ 10.61 GAL SK, 20 BBLS 100 SKS 15.8 PPG 1.15 YIELD TAIL CEMENT MIXED @ 5.0 GAL/SK, SHUT DOWN DROP PLUG & DISPLACE WITH 93 BBLS DRILLING MUD - FINAL LIFT PRESSURE (540) PSI - PRESSURE UPTO 2000 PSI TO CLOSE DV TOOL - RELEASE PRESSURE FLOATS HELD - NO RETURNS DURING JOB
10:30	1.00	11:30	14	NIPPLE DOWN B.O.P	NIPPLE DOWN BOP
11:30	1.00	12:30	21	OPEN	SET SLIPS @ 150K - CUT OFF CSG - INSTALL WELDAMENT
12:30	1.50	14:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP - CHANGE OUT PIPE RAMS
14:00	2.00	16:00	15	TEST B.O.P	R/U TESTER & TEST BOP (PIPE RAMS BLIND RAMS, FOSV, INSIDE BOP LOWER KELLY VALVE @ 10 MIN 5000 PSI HIGH 5MIN 250 PSI LOW) R/D TESTER
16:00	2.00	18:00	21	OPEN	RACK OUT BHA & STRAP
18:00	1.00	19:00	20	DIRECTIONAL WORK	P/U MUD MOTOR - M/U BIT - P/U DIR TOOLS INSTALL MWD & OREINT SAME
19:00	4.00	23:00	6	TRIPS	P/U & T.I.H. 21 JOINTS 3.5" HWDP, 54 JOINTS 3.5" DP FILL PIPE
23:00	2.00	01:00	2	DRILL ACTUAL	DRLG PLUG & DV TOOL @ 2434' W/250 GPM, 25 RPM & 3-10K WT ON BIT

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
01:00	0.50	01:30	15	TEST B.O.P	TEST CSG @ 1500 PSI FOR 30 MIN
01:30	2.50	04:00	6	TRIPS	P/U DRILL PIPE & T.I.H. F/2434' T/5087'
04:00	1.00	05:00	2	DRILL ACTUAL	DRLG CEMENT & FLOAT EQUIPMENT W/250 GPM, 25 RPM, 5K WT ON BIT
05:00	0.50	05:30	2	DRILL ACTUAL	W/250 GPM, 25 RPM, 6K WT ON BIT, 100-350 DIFF PRESS, 2K TQ
05:30	0.50	06:00	21	OPEN	SPOT LCM SWEEP P/U INTO CSG & PERFORM F.I.T. TO 10.0 PPG EQ MW (400) PSI W/8.5 PPG MUD WT - TEST HELD

16-30D-46 LC Tribal 5/23/2013 06:00 - 5/24/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	3	REAMING	REAMING F/5150' T/5290'
07:00	2.00	09:00	5	COND MUD & CIRC	CIRC - BRING MUD TW UP FROM 8.5 TO 9.2 PPG TO HOLD SHALE BACK
09:00	8.50	17:30	2	DRILL ACTUAL	W/300 GPM, 55 RPM, 14-18K WT ON BIT, 150-350 DIFF PRESS, 5K TQ
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	W/300 GPM, 55 RPM, 18-20K WT ON BIT, 150-350 DIFF PRES, 5K TQ
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

16-30D-46 LC Tribal 5/24/2013 06:00 - 5/25/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	8	REPAIR RIG	DOWN TIME - ATTEMPT TO TIGHTEN WASH PIPE - REPLACE WASH PIPE - WASH PIPE WAS INCORRECT STYLE FOR TOP DRIVE REBUILD OLD WASH PIPE & INSTALL
08:30	7.00	15:30	2	DRILL ACTUAL	W/300 GPM, 60 RPM, 18K WT ON BIT, 250-550 DIFF PRESS, 6K TQ
15:30	1.00	16:30	5	COND MUD & CIRC	CIRC PUMP 2 HIGH VIS SWEEPS
16:30	3.50	20:00	6	TRIPS	WIPER TRIP F/7230' T/5100' - T.I.H.
20:00	2.00	22:00	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP - RAISE MUD WT DUE TO SHALE FALLING IN
22:00	2.00	00:00	6	TRIPS	L/D 70 JONTS 3.5" DP
00:00	2.50	02:30	6	TRIPS	T.O.O.H. F/5100' T/95'
02:30	0.50	03:00	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT DRAIN MUD MOTOR & L/D SAME
03:00	3.00	06:00	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN CSG

16-30D-46 LC Tribal 5/25/2013 06:00 - 5/26/2013 01:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	12	RUN CASING & CEMENT	Finish running liner - 2270.53' 4 1/2", 11.6#. P-110, LTC csg. PU liner hanger & tih w/4927' DP & HWDP(7197' tot).
11:00	3.50	14:30	5	COND MUD & CIRC	C&C f/cmt - wait on cmt tests.
14:30	3.50	18:00	12	RUN CASING & CEMENT	HSM. RU Halliburton and cement liner as follows: Press test to 8000 psi. Pump 35 bbls Tuned spacer @ 12 #, 7.2 yld, 45.41 gps H2O. Mix and pump 235 sx(60.7 bbls) Econocem cmt @ 13.5#, 1.45 yld, 6.85 gps H2O. Shut down, wash to pit, drop DP dart. Pump 5 bbls 12# Tuned spacer, 25 bbls H2O. Slowed rate @ 22 bbls into displacement to 2 bpm to pick up wiper plug. Pump 10 bbls spacer, 26.4 bbls drilling mud, bump plug @ 1100 psi. Bled back 3/4 bbl, dropped ball. Pulled pipe into tension, rupture disk @ 1/2 bpm, increase rate to 3 bpm to seat ball, expand liner. Pull 60k over string wt to verify tool set, slack off 45k to release set ting tool, pull out of liner. PBR @ 4930', GS @ 7229', FC @ 7134'. Circ cmt out w/mud, perform 3000#, 10 min press test. Displace/flush hole w/ .3 gal/Mgal H2O Clayweb & .15 gal/Mgal H2O Aldacide. RD Halliburton.
18:00	4.00	22:00	6	TRIPS	LDDP & HWDP, Liner setting tool.
22:00	3.00	01:00	14	NIPPLE UP B.O.P	NDBOP, Clean pits. Release rig @ 01:00.

**16-30D-46 LC Tribal 5/29/2013 06:00 - 5/30/2013 06:00**

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.
08:00	3.00	11:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 10k Tbg. Head With 2 1/16" x 10k Gate Valves. Tested Hanger Seals To 7100 Psi, Good Test. Secured Well Head With 7" 10K Night Cap.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Construction Crew Working On Facilities.

16-30D-46 LC Tribal 6/4/2013 06:00 - 6/5/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured With NightCap. HES Logging Crew Arrive On Location, Hold Safety Meeting, Prep Logging Tool.
07:00	10.00	17:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,929', Drilling Report Shows FC At 7,137', 208' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 6,929', Run Repeat Section From 3,000 - 3,200', Log Up Hole. Showed Good Bond From TD To Under Liner Top (Free Pipe), Good From Above Liner Top - 2,498'. TOC 2,498'. Found Short Joint At 5,988 - 6,008'. Ran With Pressure. Pooh, RD Equipment, MOL.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

16-30D-46 LC Tribal 6/12/2013 06:00 - 6/13/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.
08:00	2.50	10:30	BOPI	Install BOP's	N/D NITE CAP. N/U BOP. R/U FLOOR & EQUIPMENT. SPOT IN CATWALK & PIPE RACKS. LOAD 158 JTS 2-7/8 & 83 JTS 2-3/8 ON RACKS & TALLY.
10:30	4.00	14:30	RUTB	Run Tubing	P/U 3-7/8 BIT, 1 JT 2-3/8 TBG & XN- NIIPLE. RIH W/ BHA P/U NEW TBG, TAG CMT @ 7111'. 25' ABOVE FLOAT COLLAR.
14:30	2.00	16:30	CLN	Clean Out Hole	R/U POWER SWIVEL & CIRC EQUIPMENT. C/O CMT TO F/C @ 7136'. CIRC WELL CLEAN. RECOVERED +/- 20 BBLS HEAVY DRILLING MUD. R/D SWIVEL.
16:30	1.50	18:00	PULT	Pull Tubing	POOH TO 4785' L/D TBG. SDFN.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

16-30D-46 LC Tribal 6/13/2013 06:00 - 6/14/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	3.00	10:00	PULT	Pull Tubing	FINISH POOH W/ 3-7/8 BIT L/D 2-7/8 TBG.
10:00	1.00	11:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOP. N/U NITE. SHUT WELL IN.
11:00	1.50	12:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOVE 2-7/8 & 2-3/8 TBG TO 7-30D. CLEAN LOCATION.
12:30	2.50	15:00	RMOV	Rig Move	MOVE RIG & EQUIPMENT OFF LOCATION. SDFN.
15:00	15.00	06:00	CTRL	Crew Travel	CREW TRAVEL.

16-30D-46 LC Tribal 6/18/2013 06:00 - 6/19/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	Set Frac Mandrel, Test. Set Frac Tree, Test Casing. Plumb In FlowBack And SandTrap, Test. Filling Frac Line.	

16-30D-46 LC Tribal 6/20/2013 06:00 - 6/21/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	Heat KCL. HES Set Mover And Manifold. Prep Fro Frac.	

16-30D-46 LC Tribal 6/21/2013 06:00 - 6/22/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.50	07:30	LOCL	Lock Wellhead & Secure	WSI And Secured. Wireline Crew Arrive On Location. Hold Safety Meeting. Rig Up Lubricator, Arm Gun.	
07:30	2.00	09:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Perforate Stage 1 CR-4A/CR-4 Zone, 6,719 - 6,939'. 45 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.	
09:30	4.50	14:00	SRIG	Rig Up/Down	HES Rigging Up	
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.	

16-30D-46 LC Tribal 6/22/2013 06:00 - 6/23/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.	
06:00	0.00	06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.	



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.84	06:50	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16 Open Well, 126 Psi. ICP. BrokeDown At 9.5 Bpm And 2,663 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.1 Bpm And 2,840 Psi., Get ISIP, 1,190 Psi.. 0.61 Psi./Ft. F.G.. 35/45 Holes. Con't With SlickWater Pad, 45,263 Gals.. Stage Into Hybor Pad, 74.1 Bpm At 2,534 Psi.. On Perfs, 71.2 Bpm At 2,645 Psi., 11,305 Gals. Stage Into 2.0# 20/40 White Prop, 71.2 Bpm At 2,645 Psi.. On Perfs, 73.2 Bpm At 2,523 Psi., 8,509 Gals. Stage Into 3.0# 20/40 White Prop, 73.2 Bpm At 2,733 Psi.. On Perfs, 73.6 Bpm At 2,007 Psi., 21,443 Gals. Stage Into 3.5# 20/40 White Prop, 73.6 Bpm At 1,970 Psi.. On Perfs, 74.0 Bpm At 1,984 Psi., 8,661 Gals. Stage Into 4.0# 20/40 White Prop, 73.9 Bpm At 1,996 Psi.. On Perfs, 74.6 Bpm At 2,019 Psi., 8,619 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,387 Psi.. 0.64 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 139,900# Total Clean - 127,956 Gals.. 3,047 Bbls.. Produced Water - 67,417 Gals.. 2% KCL - 58,537 Gals.. BWTR - 3,203 Bbls. Max. Rate - 74.2 Bpm Avg. Rate - 73.4 Bpm Max. Psi. - 2,816 Psi. Avg. Psi. - 2,186 Psi.</p>
06:50	0.17	07:00	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
07:00	0.92	07:55	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Set CBP At 6,710'. 1,200 Psi.. Perforate Stage 2 CR-4/CR-3 Zone, 6,492 - 6,690'. 42 Holes. 1,150 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
07:55	0.33	08:15	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
08:15	1.08	09:20	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16 Open Well, 1,090 Psi. ICP. BrokeDown At 10.2 Bpm And 2,026 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 73.4 Bpm And 3,505 Psi., Get ISIP, 1,170 Psi.. 0.62 Psi./Ft. F.G.. 36/45 Holes. Con't With SlickWater Pad, 51,650 Gals.. Stage Into Hybor Pad, 74.9 Bpm At 2,808 Psi.. On Perfs, 74.8 Bpm At 2,645 Psi., 13,025 Gals. Stage Into 2.0# 20/40 White Prop, 74.7 Bpm At 3,071 Psi.. On Perfs, 74.8 Bpm At 2,600 Psi., 7,138 Gals. Stage Into 3.0# 20/40 White Prop, 74.8 Bpm At 2,736 Psi.. On Perfs, 75.1 Bpm At 2,070 Psi., 28,943 Gals. Stage Into 3.5# 20/40 White Prop, 75.2 Bpm At 1,932 Psi.. On Perfs, 75.2 Bpm At 1,877 Psi., 8,373 Gals. Stage Into 4.0# 20/40 White Prop, 75.3 Bpm At 1,872 Psi.. On Perfs, 75.4 Bpm At 1,878 Psi., 9,269 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,231 Psi.. 0.62 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 160,000# Total Clean - 141,785 Gals.. 3,376 Bbls.. Produced Water - 73,198 Gals.. 2% KCL - 66,748 Gals.. BWTR - 3,562 Bbls. Max. Rate - 75.4 Bpm Avg. Rate - 75.1 Bpm Max. Psi. - 3,038 Psi. Avg. Psi. - 2,116 Psi.</p>
09:20	0.17	09:30	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:30	0.92	10:25	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Set CBP At 6,483'. 1,150 Psi.. Perforate Stage 3 CR-3/CR-2 Zone, 6,251 - 6,463'. 45 Holes. 1,100 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
10:25	0.08	10:30	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
10:30	1.17	11:40	FRAC	Frac. Job	Frac Stage 3. Fluid System: Hybor G 16 Open Well, 1,069 Psi. ICP. BrokeDown At 10.4 Bpm And 1,309 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.7 Bpm And 2,610 Psi., Get ISIP, 1,193 Psi.. 0.63 Psi./Ft. F.G.. 39/45 Holes. Con't With SlickWater Pad, 53,236 Gals.. Stage Into Hybor Pad, 74.8 Bpm At 2,309 Psi.. On Perfs, 74.8 Bpm At 2,392 Psi., 13,510 Gals. Stage Into 2.0# 20/40 White Prop, 74.7 Bpm At 2,644 Psi.. On Perfs, 74.9 Bpm At 2,303 Psi., 7,160 Gals. Stage Into 3.0# 20/40 White Prop, 74.9 Bpm At 2,442 Psi.. On Perfs, 75.2 Bpm At 1,935 Psi., 31,355 Gals. Stage Into 3.5# 20/40 White Prop, 75.2 Bpm At 1,804 Psi.. On Perfs, 75.2 Bpm At 1,717 Psi., 8,141 Gals. Stage Into 4.0# 20/40 White Prop, 75.1 Bpm At 1,724 Psi.. On Perfs, 75.6 Bpm At 1,682 Psi., 8,775 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,247 Psi.. 0.63 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 165,300# Total Clean - 145,744 Gals.. 3,470 Bbls.. Produced Water - 74,941 Gals.. 2% KCL - 68,941 Gals.. BWTR - 3,657 Bbls. Max. Rate - 76.8 Bpm Avg. Rate - 75.2 Bpm Max. Psi. - 2,626 Psi. Avg. Psi. - 1,942 Psi.
11:40	0.17	11:51	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:51	0.91	12:45	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Short Joint At 5,988 - 6,008'. Drop Down To Depth, Set CBP At 6,223'. 1,000 Psi.. Perforate Stage 4 CR-2/Wasatch Zone, 5,988 - 6,203'. 45 Holes. 1,050 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
12:45	0.17	12:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
12:55	1.08	14:00	FRAC	Frac. Job	<p>Frac Stage 4. Fluid System: Hybor G 16 Open Well, 1,016 Psi. ICP. BrokeDown At 10.3 Bpm And 1,514 Psi.. Pump 3900 Gals. 15% HCL And 84 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 76.1 Bpm And 3,429 Psi., Get ISIP, 1,008 Psi.. 0.60 Psi./Ft. F.G.. 35/42 Holes. Con't With SlickWater Pad, 51,662 Gals.. Stage Into Hybor Pad, 75.5 Bpm At 2,641 Psi.. On Perfs, 75.4 Bpm At 2,682 Psi., 13,248 Gals. Stage Into 2.0# 20/40 White Prop, 75.5 Bpm At 2,676 Psi.. On Perfs, 75.5 Bpm At 2,396 Psi., 6,869 Gals. Stage Into 3.0# 20/40 White Prop, 75.5 Bpm At 2,479 Psi.. On Perfs, 75.6 Bpm At 1,761 Psi., 30,569 Gals. Stage Into 3.5# 20/40 White Prop, 75.6 Bpm At 1,679 Psi.. On Perfs, 75.6 Bpm At 1,710 Psi., 7,869 Gals. Stage Into 4.0# 20/40 White Prop, 75.5 Bpm At 1,714 Psi.. On Perfs, 75.7 Bpm At 1,672 Psi., 8,567 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,221 Psi.. 0.64 Psi./Ft. F.G.. WSI And Secured. Total 20/40 White Prop - 160,900# Total Clean - 141,632 Gals.. 3,372 Bbls.. Produced Water - 72,649 Gals.. 2% KCL - 67,122 Gals.. BWTR - 3,555 Bbls. Max. Rate - 75.8 Bpm Avg. Rate - 75.6 Bpm Max. Psi. - 2,653 Psi. Avg. Psi. - 1,862 Psi.</p>
14:00	0.17	14:10	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
14:10	0.83	15:00	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,977'. 950 Psi.. Perforate Stage 5 CR-1/UteLand Butte/Castle Peak Zone, 5,725 - 5,957'. 45 Holes. 850 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
15:00	0.17	15:10	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
15:10	1.08	16:15	FRAC	Frac. Job	<p>Frac Stage 5. Fluid System: Hybor G 16 Open Well, 809 Psi. ICP. BrokeDown At 10.6 Bpm And 1,263 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 74.5 Bpm And 3,844 Psi., Get ISIP, 1,026 Psi.. 0.61 Psi./Ft. F.G.. 29/45 Holes. Con't With SlickWater Pad, 48,432 Gals.. Stage Into .75# 100 Mesh Pad, 76.1 Bpm At 3,004 Psi.. On Perfs, 76.3 Bpm At 2,747 Psi., 18,144 Gals. Stage Into 1.0# 20/40 White Prop, 76.3 Bpm At 2,798 Psi.. On Perfs, 76.3 Bpm At 2,712 Psi., 6,762 Gals. Stage Into 2.0# 20/40 White Prop, 76.3 Bpm At 2,757 Psi.. On Perfs, 76.4 Bpm At 2,351 Psi., 6,698 Gals. Stage Into 3.0# 20/40 White Prop, 76.3 Bpm At 2,446 Psi.. On Perfs, 76.4 Bpm At 2,200 Psi., 26,200 Gals. Stage Into 3.5# 20/40 White Prop, 76.3 Bpm At 2,000 Psi.. On Perfs, 76.5 Bpm At 1,919 Psi., 7,638 Gals. Stage Into 4.0# 20/40 White Prop, 76.6 Bpm At 1,929 Psi.. On Perfs, 76.5 Bpm At 1,861 Psi., 7,777 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,433 Psi.. 0.68 Psi./Ft. F.G.. WSI And Secured. Total Mesh - 13,600# Total 20/40 White Prop - 149,900# Total Clean - 144,740 Gals.. 3,446 Bbls.. Produced Water - 69,662 Gals.. 2% KCL - 73,219 Gals.. BWTR - 3,633 Bbls. Max. Rate - 76.8 Bpm Avg. Rate - 76.4 Bpm Max. Psi. - 2,987 Psi. Avg. Psi. - 2,377 Psi.</p>
16:15	0.17	16:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
16:25	0.83	17:15	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,715'. 900 Psi.. Perforate Stage 6 Castle Peak/Black Shale Zone, 5,437 - 5,703'. 45 Holes. 500 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
17:15	12.75	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

16-30D-46 LC Tribal 6/23/2013 06:00 - 6/24/2013 06:00							
API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type	
43013513200000	UT	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	7,230.0	Drilling & Completion	

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0400 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:45	0.25	07:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.
07:00	1.09	08:05	FRAC	Frac. Job	Frac Stage 6. Fluid System: Hybor G 16 Open Well, 514 Psi. ICP. BrokeDown At 10.4 Bpm And 1,126 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 75.5 Bpm And 2,140 Psi., Get ISIP, 913 Psi.. 0.60 Psi./Ft. F.G.. 32/45 Holes. Con't With SlickWater Pad, 48,533 Gals.. Stage Into .75# 100 Mesh Pad, 75.4 Bpm At 2,041 Psi.. On Perfs, 75.7 Bpm At 1,981 Psi., 18,037 Gals. Stage Into 1.0# 20/40 White Prop, 75.7 Bpm At 1,990 Psi.. On Perfs, 75.6 Bpm At 1,887 Psi., 6,391 Gals. Stage Into 2.0# 20/40 White Prop, 75.6 Bpm At 1,976 Psi.. On Perfs, 75.6 Bpm At 1,691 Psi., 6,338 Gals. Stage Into 3.0# 20/40 White Prop, 75.6 Bpm At 1,750 Psi.. On Perfs, 75.7 Bpm At 1,563 Psi., 26,753 Gals. Stage Into 3.5# 20/40 White Prop, 75.7 Bpm At 1,508 Psi.. On Perfs, 75.6 Bpm At 1,504 Psi., 7,456 Gals. Stage Into 4.0# 20/40 White Prop, 75.6 Bpm At 1,508 Psi.. On Perfs, 75.6 Bpm At 1,530 Psi., 7,779 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,304 Psi.. 0.67 Psi./Ft. F.G.. WSI And Secured. Total Mesh - 13,440# Total 20/40 White Prop - 150,100# Total Clean - 143,561 Gals.. 3,418 Bbls.. Produced Water - 68,908 Gals.. 2% KCL - 72,754 Gals.. BWTR - 3,605 Bbls. Max. Rate - 75.9 Bpm Avg. Rate - 75.6 Bpm Max. Psi. - 2,045 Psi. Avg. Psi. - 1,706 Psi.
08:05	0.17	08:15	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
08:15	0.83	09:05	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,421'. 850 Psi.. Perforate Stage 7 Black Shale/3PT MKR Zone, 5,153 - 5,401'. 45 Holes. 750 Psi.. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
09:05	0.08	09:10	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
09:10	1.08	10:15	FRAC	Frac. Job	Frac Stage 7. Fluid System: Hybor G 16 Open Well, 716 Psi. ICP. BrokeDown At 10.2 Bpm And 1,301 Psi.. Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall. Get Stabilized Injection Of 75.1 Bpm And 2,224 Psi., Get ISIP, 1,103 Psi.. 0.65 Psi./Ft. F.G.. 33/45 Holes. Con't With SlickWater Pad, 45,151 Gals.. Stage Into .75# 100 Mesh Pad, 75.2 Bpm At 2,206 Psi.. On Perfs, 75.4 Bpm At 2,205 Psi., 17,466 Gals. Stage Into 1.0# 20/40 White Prop, 75.5 Bpm At 2,213 Psi.. On Perfs, 75.4 Bpm At 2,093 Psi., 6,126 Gals. Stage Into 2.0# 20/40 White Prop, 75.7 Bpm At 2,128 Psi.. On Perfs, 75.4 Bpm At 1,925 Psi., 6,081 Gals. Stage Into 3.0# 20/40 White Prop, 75.5 Bpm At 1,990 Psi.. On Perfs, 75.5 Bpm At 1,783 Psi., 24,352 Gals. Stage Into 3.5# 20/40 White Prop, 75.8 Bpm At 1,646 Psi.. On Perfs, 75.7 Bpm At 1,575 Psi., 7,085 Gals. Stage Into 4.0# 20/40 White Prop, 75.8 Bpm At 1,606 Psi.. On Perfs, 75.9 Bpm At 1,594 Psi., 7,072 Gals. Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,328 Psi.. 0.69 Psi./Ft. F.G.. WSI And Secured. Total Mesh - 13,000# Total 20/40 White Prop - 140,000# Total Clean - 135,014 Gals.. 3,215 Bbls.. Produced Water - 65,013 Gals.. 2% KCL - 68,182 Gals.. BWTR - 3,383 Bbls. Max. Rate - 76.1 Bpm Avg. Rate - 75.6 Bpm Max. Psi. - 2,226 Psi. Avg. Psi. - 1,896 Psi.
10:15	0.34	10:35	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up CBP Plug Assembly. Equalize To Well Pressure.
10:35	0.75	11:20	PFRT	Perforating	RIH With 3 1/8" Sinker Bar And CCL, CBP Plug Assembly. Correlating To HES RBT/RMTE Dated 06-04-2013. Found And Correlated To Liner Top. Drop Down To Depth, Set CBP At 5,105'. 900 Psi.. Bleed Pressure Off Well POOH. LayDown Tools, WSI And Secured.
11:20	3.17	14:30	SRIG	Rig Up/Down	RigDown WireLine And Frac Crews, MOL
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Batch Water. Move Frac Tanks. SDFD.

16-30D-46 LC Tribal 6/24/2013 06:00 - 6/25/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	0.50	07:30	RMOV	Rig Move	ROAD RIG TO LOCATION
07:30	1.00	08:30	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU BOP.
08:30	2.00	10:30	GOP	General Operations	SET HYD WALK, AND PIPE RACKS. UNLOAD TBG.
10:30	1.00	11:30	DTIM	Downtime	R&M RIG. CHANGE OUT AIR COMPRESSOR.
11:30	1.00	12:30	SRIG	Rig Up/Down	RUSU.
12:30	4.00	16:30	RUTB	Run Tubing	MU 3-7/8" BIT, POBS, 1-JT 2-3/8" L-80, 1.87" XN, 71-JTS 2-3/8" L-80, X-OVER, AND 87-JTS 2-7/8" TO TAG KILL PLUG
16:30	2.50	19:00	DOPG	Drill Out Plugs	RU DRLG EQUIP. EST CIRC. PRES TEST TO 2500 PSI. GOOD. EST CIRC AND D/O PLUGS. CBP #1 AT 5105'. 0' SAND. FCP 400 PSI ON 40/64". RIH CBP #2 AT 5421'. 28' SAND. FCP 300 PSI ON 36/64". CIRC CLEAN. PULL 1-JT. EOT AT 5390'. TURN OVER TO FBC AND SALES.
19:00	11.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL TURNED OVER TO FBC AND SALES.



16-30D-46 LC Tribal 6/25/2013 06:00 - 6/26/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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. JSA
07:00	6.50	13:30	DOPG	Drill Out Plugs	0 PSI ON TBG. 300 PSI ON CSG. FLOW 26/64" CHOKE. TURN TO FBC AND EST CIRC. CBP #3 AT 5715'. C/O 10' FILL. D/O CBP. RIH CBP #4 AT 5977'. C/O 20' FILL. D/O CBP. RIH. CBP #5 AT 6223'. C/O 24' FILL. D/O CBP. RIH CBP #6 AT 6483'. C/O 18' FILL. D/O CBP. RIH CBP #7 AT 6710'. C/O 33' FILL. D/O CBP. RIH PBSD-C/O 297' SAND TO FC AT 7136' (197' RATHOLE) CIRC CLEAN. RD PWR SWIVEL.
13:30	1.00	14:30	PULT	Pull Tubing	POOH AS LD 66-JTS.
14:30	1.00	15:30	BOPR	Remove BOP's	LUBE IN AND LAND HANGER. RD FLOOR. ND BOP. NU WH. POBS AT 3200 PSI. TURN OVER TO FBC AND SALES. TBG DETAIL KB 15.00 HANGER .87 85-JTS 2-7/8" L-80 TBG 2697.58 X-OVER 1.20 71-JTS 2-3/8" L-80 TBG 2297.10 1.87" XN 1.15 1 JT 2-3/8" L-80 32.35 POBS .64
15:30	1.50	17:00	SRIG	Rig Up/Down	RDSU. RACK OUT EQUIP. CLEAN LOCATION. WELL ON FLOW BACK. MOVE OFF.
17:00	1.50	18:30	RMOV	Rig Move	ROAD RIG TOWARDS 5-10D-36 BTR. SDFN.
18:30	11.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL ON PRODUCITON.

16-30D-46 LC Tribal 7/8/2013 06:00 - 7/9/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	2.50	09:30	RMOV	Rig Move	R/D RIG. ROAD RIG F/ 5-5D-35 TO LOCATION.
09:30	2.00	11:30	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT. FLUSH TBG W/ 70 BBLS.
11:30	1.50	13:00	BOPI	Install BOP's	N/D WELLHEAD. N/U BOP. R/U FLOOR & EQUIPMENT.
13:00	2.50	15:30	PULT	Pull Tubing	POOH W/ 85 JTS 2-7/8 TBG. L/D 72 JTS 2-3/8 TBG.
15:30	1.00	16:30	RUTB	Run Tubing	RIH W/ 20 STAND KILL STRING. SDFN.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

16-30D-46 LC Tribal 7/9/2013 06:00 - 7/10/2013 06:00

API/UWI 43013513200000	State/Province UT	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 7,230.0	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	0.50	07:30	WKLL	Kill Well	PUMP 30 BBLS DOWN CSG. PUMP 40 BBLS DOWN TBG.
07:30	0.50	08:00	PULT	Pull Tubing	POOH W/ 40 JTS TBG.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
08:00	3.50	11:30	RUTB	Run Tubing	MU PROD BHA AND RIH W/ TBG. PU 67-JTS TBG. ATTEMPT TO SET TAC. FLUSH CSG W/ 60 BBLs. SET TAC. RD FLOOR. ND BOP. LAND HANGER. NU PROD T. TBG DETAIL KB 15.00 HANGER .85 149-JTS 2-7/8" L-80 4728.44 7" 8RD TAC (CENTRAL)2.72 @ 4747.01 1-JT 2-7/8" L-80 TBG 31.73 CENTRAL PMP CAVITY31.26 @ 4810.00 4' TBG SUB 4.22 3-1/2" OD DESANDER 17.50 2 JTS 2-7/8" L-80 TBG 63.46 BULL PLUG .70 EOT 4895.88
11:30	1.00	12:30	GOP	General Operations	X-OVER FOR RODS. FLUXH W/ 20 BBLs AND DROP STANDING VALVE. FLUSH W/ 30 BBLs. NEVER SEATED ST VALVE.
12:30	2.00	14:30	GOP	General Operations	SPOT AND PREP RODS
14:30	3.00	17:30	RURP	Run Rods & Pump	RIH W/ TBG PUMP AND RODS. ROD DETAIL 1-1/2" X 30' POLISH ROD 2', 4' X 1" KD PONY RODS 67) 1" KD RODS W/ 4G 62) 7/8" KD RODS W/ 4G 32) 3/4" KD RODS W/ 4G 28) 1" KD RODS W/ 4G POLISH ROD 2.25" TBG PUMP
17:30	0.50	18:00	GOP	General Operations	SPACE OUT RODS. FILL W/ 2 BBLs. TEST TO 800 PSI. GOOD.
18:00	0.50	18:30	GOP	General Operations	RU UNIT AND HANG RODS ON. PWOP.
18:30	11.50	06:00	GOP	General Operations	WELL ON PRODUCTION.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 2OG0005500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013513200000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/14/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" 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.

Kinder Morgan (BBC's gas purchaser) is planning to shut down the Altamont plant beginning Tuesday, October 14, 2014, lasting approximately 14 days (based on finds) in order to perform mandatory plant inspections. Therefore, BBC hereby requests flaring permission for the wells listed on the attached. These wells will only be flared as needed and it is likely not all of the wells will need to be flared. Please see attached list of wells, maximum flaring volumes (worst case scenario) and a letter from Kinder Morgan describing the Altamont Plant shut down. -----Authorization R649-3-20-9 -----DKD

Approved by the
October 20, 2014
Oil, Gas and Mining

Date: _____
By: DKD

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 10/9/2014	

	MCFPD	API
Roosevelt 29-14	50.0	4304739923
Roosevelt A-7	50.0	4304731402
Roosevelt B2	0.0	4304731187
Roosevelt C11	50.0	4304731500
Roosevelt U 03-19	0.0	4304736304
Roosevelt U 04	50.0	4304731549
Roosevelt U 04-19	50.0	4304736599
Roosevelt U 05	0.0	4304731447
Roosevelt U 05-19	50.0	4304736843
Roosevelt U 07-20	50.0	4304738292
Roosevelt U 09	0.0	4304731384
Roosevelt U 10 GR	0.0	4304731429
Roosevelt U 11	0.0	4304731428
Roosevelt U 12 GR	0.0	4304731427
Roosevelt U 13	0.0	4304731414
Roosevelt U 13-31D	100.0	4304753000
Roosevelt U 15-A1E	0.0	4304731696
Roosevelt U 18-41	100.0	4304752865
Roosevelt U 18-A1E	50.0	4304731687
Roosevelt U 19D-24	100.0	4304753001
Roosevelt U 20-13	100.0	4304751501
Roosevelt U 20-2	0.0	4304731422
Roosevelt U 20-24	50.0	4304738329
Roosevelt U 21-41	100.0	4304753072
Roosevelt U 21-43	50.0	4304738873
Roosevelt U 23-14D	100.0	4304752990
Roosevelt U 24-13	50.0	4304752398
Roosevelt U 28-14	50.0	4304738882
Roosevelt U 28-22	100.0	4304753614
Roosevelt U 28-33	50.0	4304738142
Roosevelt U 29-13D	100.0	4304753529
Ute 01-19A1E	0.0	4304739002
Ute Tribal 1 (RU 1)	0.0	4304751500
Ute Tribal 2 (RU2)	0.0	4304751551
Ute Tribal 3 (RU 3)	0.0	4304751552
Wasatch 1D	50.0	4304731446
Wasatch 6	50.0	4304731266
Wasatch 9	50.0	4304731445
03-30-21W SA	100.0	4301351586
10-22-22 SA	50.0	4301351053
13-22-22 SA	50.0	4301351160
16-26-23 SA	50.0	4301350208
Kilian 34-12 SA	200.0	4301350407
Windy Ridge Cook 25-05	50.0	4304751225
Windy Ridge Linsey 25-15	50.0	4304740605
Windy Ridge State 34-07	50.0	4301339882
01-05-45 BTR	150.0	4301333868
01-09-45 BTR	100.0	4301334101
01-100-45 BTR	100.0	4301351064
01-130-47 BTR	150.0	4301350445
01-23-36 BTR	50.0	4301334136
01-25D-36 BTR	100.0	4301351294
01-30-36 BTR	0.0	4301334134
01-32D-36 BTR	50.0	4301350979
02-03-45 BTR	50.0	4301334099
02-13D-46 BTR	50.0	4301351719
02-160-45 BTR	200.0	4301350989
03-180-45 BTR	100.0	4301350991
03-01-46 BTR	400.0	4301351017
03-05D-35 BTR	200.0	4301351638
03-11D-36 BTR	100.0	4301350642
03-13D-46 BTR	100.0	4301351718
03-23-36 BTR	50.0	4301334137
03-36-36 BTR	150.0	4301350398
04-05D-45 BTR	100.0	4301351242
04-09D-45 BTR	50.0	4301351157
04-17D-45 BTR	100.0	4301350987
04-26-36 BTR	50.0	4301334139
04-30-36 BTR	100.0	4301333973
05-02D-36 BTR	50.0	4301350913
05-04-45 BTR	100.0	4301334089
05-05-46 BTR	50.0	4301333639
05-05D-35 BTR	200.0	4301351605
05-06D-45 BTR	250.0	4301350688
05-07D-45 BTR	50.0	4301351250
05-07D-46 BTR	100.0	4301350574
05-08-45 BTR	50.0	4301350607
05-09D-36 BTR	100.0	4301350843
05-09D-46 BTR	250.0	4301351109
05-10D-36 BTR	150.0	4301350978
05-12D-47 BTR	250.0	4301352095
05-13-46 BTR	50.0	4301334115
05-16-36 BTR	50.0	4301333970
05-16D-45 BTR	150.0	4301351222
05-18D-45 BTR	100.0	4301350611
05-21-36 BTR	50.0	4301333641
05-23-36 BTR	50.0	4301333642
05-25-36 BTR	200.0	4301334021
05-27D-36 BTR	50.0	4301350917
05-27D-37 BTR	50.0	4301350847
05-29-36 BTR	50.0	4301333972
05-31D-36 BTR	300.0	4301351146
05-32D-36 BTR	0.0	4301350756
05H-01-46 BTR UB	250.0	4301351215
05H-01-46 BTR WS	50.0	4301351216
06-11-46 BTR	50.0	4301334114
06-32-36 BTR SWD	0.0	4301350921
07-04D-45 BTR	50.0	4301350884
07-05-35 BTR	300.0	4301351599
07-06-45 BTR	150.0	4301334100
07-07-46 BTR	50.0	4301333565
07-07D-45 BTR	100.0	4301350689
07-08-45 BTR	100.0	4301333820
07-08-46 BTR	150.0	4301351702
07-10-36 BTR	50.0	4301350437
07-12D-47 BTR	850.0	4301352094
07-13D-46 BTR	100.0	4301350470
07-16-36 BTR	50.0	4301334123
07-16-47 BTR	50.0	4301351286
07-17-45 BTR	100.0	4301334104
07-26-37 BTR	50.0	4301350641
07-27-37 BTR	50.0	4301333647
08-06-45 BTR	0.0	4301350900
08-10-45 BTR	100.0	4301334102
08-12D-46 BTR	150.0	4301351159
08-18D-46 BTR	0.0	4301350953
09-05D-35 BTR	150.0	4301351608
09-11-36 BTR	50.0	4301334276
09-36 BTR SWD	0.0	4301350646
09H-04-45 BTR	50.0	4301351092
10-05-45 BTR	100.0	4301351062
10-12D-46 BTR	200.0	4301351721
10-18D-36 BTR	50.0	4301350915
10-36D-36 BTR	50.0	4301351005
11-05D-35 BTR	250.0	4301351601
11-11D-47 BTR	250.0	4301352091
11-8D-46 BTR	200.0	4301351336
12-04D-45 BTR	50.0	4301351063
12-12D-46 BTR	100.0	4301351702
12-17-45 BTR	50.0	4301351097
12-36-36 BTR	100.0	4301333638
13-02-46 BTR	400.0	4301334090
13-05D-35 BTR	450.0	4301351600
13-12-46 BTR	150.0	4301350469
13-13D-36 BTR	0.0	4301350919
13-16D-36 BTR	50.0	4301350757
13-26-36 BTR	450.0	4301333980
13H-13-46 BTR	100.0	4301350468
13H-27-36 BTR	50.0	4301350918
13H-31-36 BTR	0.0	4301350465
14-01-46 BTR	100.0	4301334113
14-03-45 BTR	100.0	4301350976
14-05-46 BTR	50.0	4301350307
14-05D-45 BTR	150.0	4301350568
14-06D-45 BTR	100.0	4301351158
14-07-46 BTR	150.0	4301333806
14-07D-36 BTR	50.0	4301350613
14-07D-45 BTR	150.0	4301351222
14-08D-36 BTR	50.0	4301350612
14-08D-45 BTR	50.0	4301350567
14-09D-36 BTR	250.0	4301351144
14-09D-45 BTR	250.0	4301350755
14-10D-45 BTR	100.0	4301350754
14-18D-45 BTR	50.0	4301351313
14-21-36 BTR	0.0	4301334131
14-21D-37 BTR	50.0	4301350859
14-29-36 BTR	50.0	4301333643
14-30-36 BTR	50.0	4301333644
14-31D-36 BTR	100.0	4301350973
14-33D-35 BTR	350.0	4301352162
15-05D-35 BTR	550.0	4301351602
15-10-36 BTR	150.0	4301334277
15-18-45 BTR	100.0	4301334112
16-01D-46 BTR	200.0	4301350675
16-02D-46 BTR	300.0	4301351079
16-05D-46 BTR	150.0	4301350684
16-06D-45 BTR	150.0	4301350610
16-06D-46 BTR SWD	0.0	4301350781
16-07-45 BTR	100.0	4301334111
16-08D-45 BTR	100.0	4301305466
16-09-36 BTR	100.0	4301350545
16-09D-45 BTR	100.0	4301350962
16-10D-45 BTR	150.0	4301350902
16-12D-36 BTR	50.0	4301350980
16-12D-37 BTR	50.0	4301350785
16-12D-46 BTR	250.0	4301350467
16-13-36 BTR	100.0	4301350372
16-16-36 BTR	100.0	4301334138
16-16D-46 BTR	100.0	4301350956
16-21-36 BTR	0.0	4301334130
16-23-36 BTR	0.0	4301333971
16-26-36 BTR	500.0	4301334132
16-30-36 BTR	50.0	4301334135
16-31D-36 BTR	50.0	4301350573
16-33D-35 BTR	300.0	4301352163
16K-23D-36 BTR	50.0	4301350623
07-19-46 DLB	50.0	4301334004
07-30-46 DLB	150.0	4301351703
14-23D-47 LC Tribal	0.0	4301334022
16-23D-47 LC Tribal	100.0	4301351180
16-30D-46 LC Tribal	100.0	4301351320

19,850.0



October 7, 2014

Via facsimile 303-291-0420
Bill Barrett Corporation
Attn: Natural Gas Coordinator
1099 18th Street, Suite 2300
Denver, CO 80220

Re: Gas Purchase Contract (South Altamont) between Kinder Morgan Altamont LLC ("Kinder Morgan") and Bill Barrett Corporation ("Bill Barrett"), dated January 1, 2011 (the "Contract")
Kinder Morgan Contract No. 63-580733

Ladies and Gentlemen:

As you are aware, Kinder Morgan purchases gas from Bill Barrett and processes that gas at the Kinder Morgan Altamont plant (the "Plant"). Kinder Morgan has determined that a complete shutdown of the Plant is necessary to perform plant inspections and maintain compliance with governmental and regulatory authority and to perform any maintenance items identified in the inspection. Kinder Morgan is unable to purchase gas or deliver residue gas during the shutdown of the Plant. This letter serves as a formal notification of the pending shutdown. Under the terms of the Contract, the shutdown of the Plant is a Force Majeure event.

The shutdown is scheduled to begin on or about October 14, 2014. We expect the shutdown to last approximately two weeks. Please note, however, that the shutdown could be extended beyond that time frame depending on the inspection results or other contingencies. We will use all due diligence to minimize the outage duration.

Kinder Morgan strives to maintain, develop and provide products and services which offer value in terms of price, quality, safety and environmental impact. As we have since these issues first arose, we will keep you abreast as our process continues and promptly inform you if the timing changes.

Sincerely,

A handwritten signature in black ink that reads "Rick Dietz". The signature is written in a cursive, flowing style.

Rick Dietz
Vice President, Contract Administration

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: 1420H626513	
		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 16-30D-46	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013513200000	
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/19/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="lease"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
The tribal lease has been earned for this well. The new lease number is 14-20-H62-6513.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 16, 2015			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 4/1/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
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: 1420H626513																														
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE																														
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PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: ALTAMONT																														
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/9/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text" value="CA NUMBER"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="CA NUMBER"/>
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<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="CA NUMBER"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THIS WELL IS NOW IN THE CA #UTU91192. PLEASE UPDATE YOUR RECORDS.																																
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 03, 2015																																
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst																														
SIGNATURE N/A	DATE 7/28/2015																															

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626513
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
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1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46
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2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013513200000
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W Meridian: U	COUNTY: DUCHESNE STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/29/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" 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.

Kinder Morgan (BBC's gas purchaser) is planning to shut down the Altamont plant beginning Tuesday, March 29, 2016, lasting approximately 2-3 days (based on finds) in order to perform mandatory plant inspections. Therefore, BBC hereby requests flaring permission for the wells listed on the attached. BBC spoke with Dustin Doucet on 3/24/16 and was given permission to flare, if needed. These wells will only be flared as needed and it is likely not all of the wells will need to be flared. Please see attached list of wells, maximum flaring volumes (worst case scenario) and an email from Kinder Morgan describing the Altamont Plant shut down. Authorization: R649-3-20.9 - DKD

Approved by the
March 29, 2016
Oil, Gas and Mining

Date: _____
 By: Dustin Doucet

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/25/2016	

Name	MCFPD	API	MMS Lease Number
01-09-45 BTR	50.0	4301334101	1420H626400
01-13D-47 BTR	100.0	4301350445	UTU88958
01-23-36 BTR	50.0	4301334136	1420H626156
02-16D-45 BTR	200.0	4301350899	1420H626479
03-01-46 BTR	150.0	4301351017	UTU90834
03-11D-36 BTR	100.0	4301350642	1420H626283
03-13D-46 BTR	100.0	4301351718	1420H626368
04-05D-45 BTR	100.0	4301351242	1420H626261
04-17D-45 BTR	100.0	4301350687	1420H626402
04-30-36 BTR	100.0	4301333973	1420H626155
05-02D-36 BTR	50.0	4301350913	1420H626511
05-09D-36 BTR	50.0	4301350843	1420H626417
05-09D-46 BTR	100.0	4301351109	1420H626534
05-12D-47 BTR	50.0	4301352095	UTU91120
05-18D-45 BTR	50.0	4301350611	1420H626367
05-25-36 BTR	50.0	4301334021	UTU87722
05-27D-37 BTR	50.0	4301350847	1420H626418
05-31D-36 BTR	50.0	4301351146	1420H626405
07-06-45 BTR	150.0	4301334100	UTU88569
07-08-46-BTR	100.0	4301351702	1420H626532
07-12D-47 BTR	200.0	4301352094	UTU91120
07-19-46 DLB	100.0	4301334004	1420H626521
07-26-37 BTR	50.0	4301350641	1420H626420
07-30-46 DLB	100.0	4301351703	UTU91192
08-16D-46 BTR	100.0	4301350953	1420H626518
10-12D-46 BTR	150.0	4301351721	1420H626403
11-05D-35 BTR	100.0	4301351601	fee
11-11D-47 BTR	50.0	4301352091	UTU91208
11-8D-46 BTR	100.0	4301351336	1420H626532
12-04D-45 BTR	50.0	4301351063	1420H626281
12-36-36 BTR	50.0	4301333638	1420H626111
13-02-46 BTR	300.0	4301334090	UTU90835
13-05D-35 BTR	50.0	4301351600	1420H626526
13-16D-36 BTR	50.0	4301350757	UTU88567
13H-27-36 BTR	50.0	4301350918	1420H626442
14-03-45 BTR	100.0	4301350676	1420H626399
14-07-46 BTR	150.0	4301333806	UTU87981
14-07D-45 BTR	100.0	4301351222	1420H626297
14-09D-36 BTR	50.0	4301351144	1420H626417
14-29-36 BTR	50.0	4301333643	1420H626199
14-33D-35 BTR	250.0	4301352162	1420H626533
14X-22-46 DLB	50.0	4301350351	1420H626298
15-05D-35 BTR	50.0	4301351602	FEE
15-10-36 BTR	100.0	4301334277	1420H626280
16-02D-46 BTR	150.0	4301351079	UTU90835
16-05D-46 BTR	100.0	4301350844	UTU89154
16-08D-45 BTR	50.0	4301350466	1420H626265

16-10D-45 BTR	100.0	4301350902	1420H626290
16-12D-36 BTR	150.0	4301350980	1420H626503
16-13-36 BTR	200.0	4301350372	1420H626369
16-26-36 BTR	400.0	4301334132	UTU88959
16-33D-35 BTR	150.0	4301352163	1420H626533
Roosevelt 29-14 GRRV	0.0	4304739923	8920008860
Roosevelt 29-14 WSTC	0.0	4304739923	892000886A
Roosevelt A-7 GRRV	0.0	4304731402	8920008860
Roosevelt A-7 WSTC	0.0	4304731402	892000886A
Roosevelt B2	0.0	4304731187	8920008860
Roosevelt C11 GRRV	0.0	4304731500	8920008860
Roosevelt C11 WSTC	0.0	4304731500	892000886A
Roosevelt U 03-19	0.0	4304736304	8920008860
Roosevelt U 04	0.0	4304715549	8920008860
Roosevelt U 04-19 GRRV	0.0	4304736599	8920008860
Roosevelt U 04-19 WSTC	0.0	4304736599	892000886A
Roosevelt U 05	0.0	4304731447	8920008860
Roosevelt U 05-19 GRRV	0.0	4304736843	8920008860
Roosevelt U 05-19 WSTC	0.0	4304736843	892000886A
Roosevelt U 07-20 GRRVL	0.0	4304738292	8920008860
Roosevelt U 07-20 WSTC	0.0	4304738292	892000886A
Roosevelt U 10 GR	0.0	4304731429	8920008860
Roosevelt U 11	50.0	4304731428	8920008860
Roosevelt U 13-31D	100.0	4304753000	8920008860
Roosevelt U 15-A1E	0.0	4304731696	8920008860
Roosevelt U 18-41	100.0	4304752865	892000886A
Roosevelt U 18-A1E GRRV	0.0	4304731687	8920008860
Roosevelt U 18-A1E WSTC	0.0	4304731687	892000886A
Roosevelt U 19D-24	100.0	4304753001	fee
Roosevelt U 20-13	50.0	4304751501	892000886A
Roosevelt U 20-24	50.0	4304738329	892000886A
Roosevelt U 21-41	50.0	4304753072	892000886A
Roosevelt U 21-43	50.0	4304738873	892000866A
Roosevelt U 23-14D	100.0	4304752990	8920008860
Roosevelt U 24-13	50.0	4304752398	8920008860
Roosevelt U 28-14	50.0	4304738882	892000886A
Roosevelt U 28-22	50.0	4304753614	892000886A
Roosevelt U 28-33 GRRV	0.0	4304738142	8920008860
Roosevelt U 28-33 WSTC	0.0	4304738142	892000886A
Roosevelt U 29-13D	50.0	4304753529	892000886A
Wasatch 10 GRRV	0.0	4304731446	8920008860
Wasatch 10 WSTC	0.0	4304731446	892000886A
Wasatch 6 GRRV	0.0	4304731366	8920008860
Wasatch 6 WSTC	0.0	4304731366	892000886A
Wasatch 9 GRRV	0.0	4304731445	8920008860
Wasatch 9 WSTC	0.0	4304731445	892000886A
Total	6,950.0		

From: Bustos, Timothy J [mailto:Tim_Bustos@kindermorgan.com]

Sent: Friday, March 04, 2016 1:07 PM

To: Ables, James; Adam Sayers; Anderson, Joey L (Joe); Andy Jones EPE; Carroll, Tim; Castillo, Eduardo; Chris Conley Crsnt Pnt; Chris Stevenson; Dave Burnett; David Bowden- Linn Eney; Don Bromley ; Dwayne Davies; Gabriel Behling-EPE; George Gurr- Devon; Grubb, Kenneth; J Hyder-Linn Energy (jhyder@linnenergy.com); Jeff White; Jess Peonio; Joe Sager EPE; Kary Eldredge; 'Lehew, Stephen W (Steve; Lozano, Colleen; McMahon, Sonia M; Meinhold, Theodore E (Ted); Mike Wock; Nick Killough; Paul- Quinex; Ron Theener; Schmitt, Dennis W ; Schutz, Hans E; Scott Finley Newfield; Sharpton, Dessie A; Simmons, Ximena M; Simonton, Lizabeth J (Liz); Sorensen, Roy C; Stevenson, Henry (Hank); Taryn Frenzel; Taylor, Garrett M; Trent Thompson; Val Oman

Cc: Torres, Eloy; Farnsworth, Monte L; Horrocks, Cody L

Subject: Plant Outage March 29-30

Importance: High

All,

As you know we will be bringing Altamont Plant down for two days at the end of the month. We are replacing two vessels and performing other work requiring a plant outage. During this time we will also be performing significant work in the field. Which includes installation of automated pig launching equipment at Rabbit Gulch, a tie in on the Ravolla discharge line south of the Cook Launcher. Below are the conditions to be expected

1. No inlet or outlet volumes into Altamont Plant

2. A very limited supply of Residue Return Gas. We are planning to receive gas to be used as fuel from our downstream customer to support operation of critical heating units at the plant and field stations. A limited supply to production facilities may be available. Plan on switching to wet gas source for well site fuel during this outage, especially in the outlying portions of the field. Our downstream customer is also performing anomaly determination on the pipeline in which the plant outlet flows. Should a cut out repair be required there will be no residue gas available.
3. The Discharge line from Rabbit Gulch CS to Blue Bench will be out of service during this outage, inlet volumes to Rabbit Gulch are anticipated to build pressure and self-route to the suction side of South Station where we will be flaring.
4. Flaring will also be occurring at East, Ravolla, Blue Bell, and West Stations
5. The Plant Outage will commence at approximately 5:00 am on the 29th
6. Rabbit Gulch and Ravolla discharge lines will commence blow down at approximately the same time. We will flare volumes where we can to lower the pressures initially on these two lines.
7. The work in the field and at Altamont Plant is expected to be completed late afternoon of the 30th

Thanks,
Tim

Station 3/3/2016	H2S	
	In	Out
<i>East</i>	5	1
<i>West</i>	5	1
<i>South</i>	4	1
<i>Central</i>	0	0
<i>Bluebell</i>	7	3
<i>Rabbit Gulch</i>	7	0
<i>Ravolla</i>	6	1
<i>Randlett</i>	0	0

Tim Bustos
Area Manager



PO Box 587
17790 W 3750 N
Altamont, UT 84001
Office 435 454 4263
Cell 435 828 0093
tim_bustos@kindermorgan.com



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626513
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LC TRIBAL 16-30D-46
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013513200000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0670 FSL 0685 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 04.0S Range: 06.0W 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/11/2017 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Well was SI on 6/12/15 due to low production & low commodity prices. On 6/11/16 well will be SI for 1 year. Current economics do not justify returning the well to production. For this reason BBC is requesting an additional 1 year SI, before a MIT is required, until 6/11/17. Well currently has 10 psi tubing, 1060 psi on 7" csg, 5 psi Braden Head. With minimal to zero Braden Head pressure & 1060 psi csg pressure, it is evident that the 7" intermediate csg has full integrity & all formations are protected. Fluid level was found at 4800ft. from surface with TOC @ 2498ft, DV tool @ 2434ft with 300sx cement above. Well is SI at the wellhead & all surface equipment has been drained/winterized. Well is still on an active lease operator route & is checked frequently for any surface & potential downhole issues. Well would be RTP if economics will justify at a higher commodity price before 6/11/17

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

Date: May 04, 2016
By: *Dark Duff*

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

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

Effective Date: 11/1/2016

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

WELL INFORMATION:

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

OPERATOR CHANGES DOCUMENTATION:

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

REVIEW:

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

NEW OPERATOR BOND VERIFICATION:

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

DATA ENTRY:

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

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

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

New Operator Contact information:

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

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

Sincerely,

Bill Barrett Corporation

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

Brady Riley
Permit Analyst

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

APPROVED

NOV 07 2016

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

Request to Transfer Application or Permit to Drill

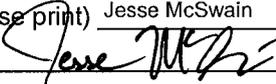
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

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

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

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

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

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

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

UIC FORM 5

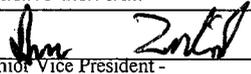
TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 11/1/2016

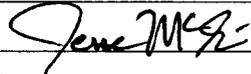
CURRENT OPERATOR

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

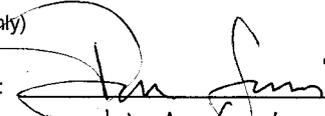
Name: Duane Zavadil
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

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

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

(This space for State use only)

Transfer approved by: 
Title: VIC Geologist

Approval Date: 11/3/16

Comments:

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

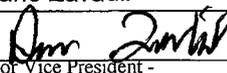
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

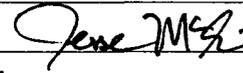
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

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

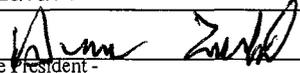
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

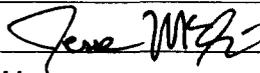
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

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