Bill Barrett Corporation

April 30, 2007

Utah Division of Oil, Gas and Mining
P.O. Box 145801
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

16-21-46 DLB
Tribal Surface/Tribal Minerals
SESE, Section 21-T4S-R6W
Duchesne County, Utah

Diana Mason, Permitting - Petroleum Technician:

Enclosed please find the original copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well. Montgomery Archeological Consultants conducted a Class III archeological survey for this location. The results of this survey have been outlined in Montgomery's report dated April 17, 2007. Based on the findings, a determination of "no historic properties affected" is recommended for this site.

Please contact me at (303) 312-8546 if you need anything additional or have any questions.

Sincerely,

Reed Haddock

Reed Haddock
Permit Analyst

Enclosures

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

Form 3160-3
(April 2004)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
BIA 14-20-H62-5500

6. If Indian, Allotee or Tribe Name
UTE INDIAN TRIBE

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
N/A

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
 # 16-21-46 DLB

2. Name of Operator
BILL BARRETT CORPORATION

9. API Well No.
Pending 43-013-33632

3a. Address **1099 18th Street, Suite 2300 Denver CO 80202**

3b. Phone No. *(include area code)*
(303) 312-8546

10. Field and Pool, or Exploratory
Altamont 55

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 537491X **SESE, 446' FSL, 625' FEL** 4440136Y 40.112585 -110.560082
At proposed prod. zone **SESE, 660' FSL, 660' FEL** 537480X 4440201Y 40.113171 -110.560204

11. Sec., T. R. M. or Blk. and Survey or Area
Section 21-T4S-R6W U.S.B.&M.

14. Distance in miles and direction from nearest town or post office*
Approximately 12.5 miles southwest of Duchesne, Utah

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **446' SHL; 660' BHL**	16. No. of acres in lease **N/A**	17. Spacing Unit dedicated to this well **40**
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **1,800' abandoned well**	19. Proposed Depth **9529' MD**	20. BLM/BIA Bond No. on file **Nationwide Bond #WYB000040**
21. Elevations (Show whether DF, KDB, RT, GL, etc.) **7157' ungraded ground**	22. Approximate date work will start* **07/01/2007**	23. Estimated duration **45 days**

24. Attachments

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

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

25. Signature Reed Haddock	Name *(Printed/Typed)* **Reed Haddock**	Date **04/30/2007**
Title **Permit Analyst**		
Approved by *(Signature)*	Name *(Printed/Typed)* **BRADLEY G. HILL**	Date 05-07-07
Title	Office **ENVIRONMENTAL MANAGER**	

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

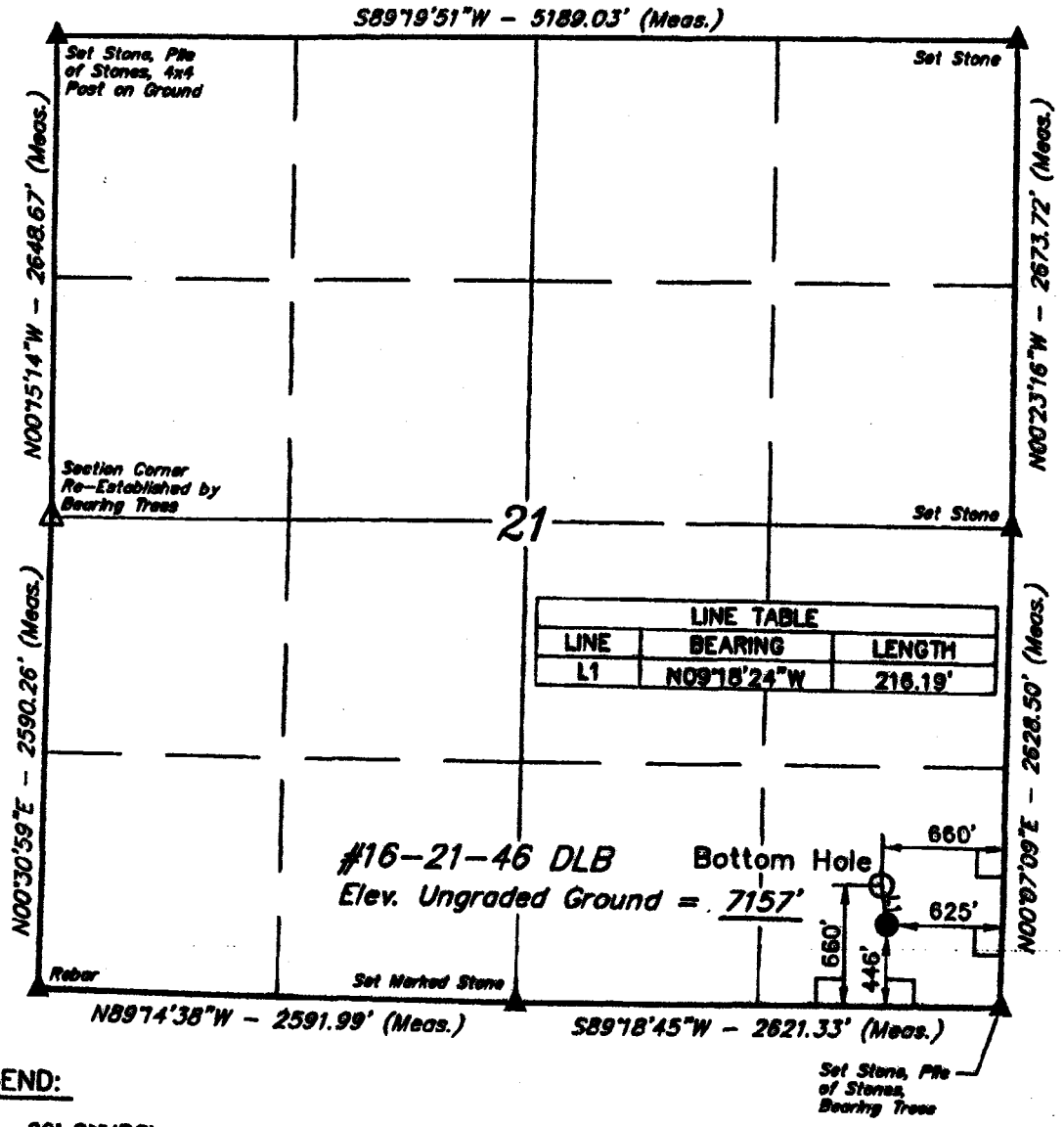
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on page 2)*

Federal Approval of this Action is Necessary

RECEIVED
MAY 02 2007
DIV. OF OIL, GAS & MINING

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



LINE TABLE		
LINE	BEARING	LENGTH
L1	N09°15'24"W	216.19'

LEGEND:

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

(NAD 83)
LATITUDE = 40°06'45.25" (40.112569)
LONGITUDE = 110°33'38.50" (110.560694)
(NAD 27)
LATITUDE = 40°06'45.40" (40.112611)
LONGITUDE = 110°33'35.94" (110.559983)

BILL BARRETT CORPORATION

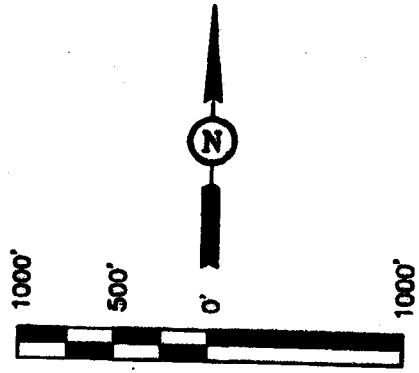
Well location, #16-21-46 DLB, located as shown in the SE 1/4 SE 1/4 of Section 21, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

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.

REGISTERED LAND SURVEYOR REGISTRATION NO. STATE OF UTAH

REVISED: 04-26-07

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

SCALE: 1" = 1000'	DATE SURVEYED: 04-09-07	DATE DRAWN: 04-12-07
PARTY: D.S. B.B. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: BILL BARRETT CORPORATION	

HAZARDOUS MATERIAL DECLARATION

WELL NO. # 16-21-46 DLB - LEASE NO. BIA 14-20-H62-5500

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

DRILLING PLAN

BILL BARRETT CORPORATION
16-21-46 DLB
SHL: SESE, 446' FSL & 625' FEL, Section 21-T4S-R6W
BHL: SESE, 660' FSL & 660' FEL, Section 21-T4S-R6W
Surface Owner: Tribal (Ute)
Duchesne County, Utah

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

Formation	Depth – MD
Duchesne River/Uinta	Surface
Green River	3,817'
Douglas Creek	4,593'
Black Shale	5,254'
Castle Peak	5,529'
Wasatch	6,144' *
North Horn	8,054' *
TD	9,529'

*PROSPECTIVE PAY
The Wasatch and the North Horn are primary objectives for oil/gas.

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
12 ¼"	surface	950'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	surface	9,529'	5 ½"	17#	N or I 80	LT&C	New

5. Cementing Program

9 5/8" Surface Casing	Approximately 330 sx Halliburton Light Premium with additives mixed at 12.3 ppg (yield = 1.43 ft^3/sx) circulated to surface with 100% excess
5 ½" Production Casing	Approximately 180 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.81 ft^3/sx). Approximately 760 sx Halliburton Light Premium Plus cement with additives mixed at 13.5 ppg (yield = 1.58 ft^3/sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
40' – 950'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
950' – TD	8.6 – 9.3	42-52	15 cc or less	KCL 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. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 950'	No pressure control required
950' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 3000 psi;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

8. Auxiliary equipment

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

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD 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.

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4606 psi* and maximum anticipated surface pressure equals approximately 2511 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

BILL BARRETT CORPORATION

1099 18th St., Suite 2300
Denver, CO 80202

Field: Brundage/Lake Canyon
Geological Basin: Uinta
Well Name: General
Location: Duchesne County, UT

KCL Polymer Drilling Fluid Recommendation

Prepared for: Mr. Dominic Spencer

August 17, 2006

Submitted by:
Isaac Womack, Tech. Prof., Baroid product service line, Halliburton
1125 17th St., Suite 1900
Denver, CO 80202
303.675.4476
isaac.womack@Halliburton.com

HALLIBURTON
Baroid

Bill Barrett Corporation

T5S R6W

Brundage Canyon

Duchesne County, Utah

DRILLING PROGRAM BRIEFING

Well total depth : 8,500' TMD

Casing design :		**Hole Size**	**Casing**	**Length**
	Surface	12 ¼"	9 5/8"	750'
	Production	7 7/8"	5 ½"	8500'

***Fluid density** : 8.3 - 9.0 ppg from 0' to 750'
8.6 - 10.0 ppg from 750' to 8500'

NOTE: Data taken from off-set wells in Duchesne County, UT

*The drilling fluid density schedule is intended as a guideline only. Actual drilling fluid densities should be determined by well bore conditions and drilling parameters.

Estimated drilling days : 0' to 750' = 2 days (12 ¼" Hole)
750' to 8,500' = 16days (7 7/8" Hole)

Total = 18 days

Drilling fluid systems : 0' to 750' - Freshwater Spud Mud
750' to 8,500' - KCL Polymer

Solids control equipment : 0' – 8,500'
- Two Shale Shakers
- Desander / Desilter / Degasser
- One High Speed Centrifuge (if available)

Est. total drilling fluid cost: $ 17,219.00

HALLIBURTON
Baroid

Bill Barrett Corporation

Brundage Canyon

T5S R6W

Duchesne County, Utah

DRILLING FLUID PROGRAM SUMMARY

The following drilling fluid systems are proposed for the Brundage Canyon well:

HOLE SIZE (In.)	DRILLING FLUID SYSTEM	FLUID DENSITY (ppg)	INTERVAL LENGTH FROM - TO
12 ¼"	Freshwater spud mud fluid system	8.3 – 9.0	0' to 750'
8 3/4"	KCL Polymer fluid system	8.6 - 10.6	750' to 8,500'

12 ¼" Hole Section (0' to 750' TMD)

A freshwater spud mud drilling fluid system is recommended to drill this interval. Drill out conductor casing shoe with freshwater using additions of AQUAGEL and EZ-MUD to maintain fluid properties, as well as in hi-vi sweeps to facilitate hole cleaning. Pump BARACARB (25/50)/ sawdust sweeps prior to tripping out of the hole. Monitor the drill-string for tight connections. Expect minor to severe lost circulation in this interval. Pump sweeps of saw dust/ BARACARB at 5-10 ppb for minor seepage and sweeps of N-seal at 5 ppb and saw dust at 10 ppb for more severe losses. When total depth (TD) is reached make a wiper trip to the shoe to "clean up" the well bore, a string of 9 5/8" casing will then be set and cemented back to surface.

7 7/8" Hole Section (750' to 8,500' TMD)

After drilling the surface hole section, dump all of the drilling fluid used in the surface interval to the reserve pit. Check reserve pit water to make sure it is acceptable to use for drilling fluid.
Mud up with the following:

.5 lb./bbl N-Vis P
2 lb/bbls ZEOGEL
.5 lb/bbl BARACOR 700 (or phosphates over 1300 ppm (see corrosion program))
3% by volume KCL

Maintain 3% KCL in the reserve pit while drilling this section. (add 3.5 ppb for every 1% increase)

Test for % of KCL

((ml of .282 Silver Nitrate added * 10,000)/3280) = %KCL
*record and report this concentration on each mud report

Add BARACAT to reserve pit to flocculate out solids. This system should have sufficient YP to keep the hole clean while drilling this interval.
Lost Circulation: Should losses occur while drilling the lateral section add BARACARB (5) OR BARACARB (50) to control. (BARACARB can be acidized) Concentrations of BARACARB will be determined by the losses encountered. Expect increased lost circulation with increases in drilling fluid density. Continue to monitor and record all

instances of gas kicks, water flows and lost circulation, adjust mud weight as needed. Sweeps of LUBRA-BEADS may help reduce mechanical torque due to the dog-legs. When lateral has been drilled, circulate the hole clean and run production casing.

Recommended Drilling Fluids Properties							
Drilling Depth (ft)	**Fluid Density (lb/gal)**	**Funnel Viscosity (sec/qt)**	**API Filtrate (ml)**	**pH**	**Plastic Viscosity (cP)**	**Yield Point (lbs/100ft²)**	**Low Gravity Solids (% by Vol)**
0' – 750'	8.3 - 8.8	26 – 36	NC	7.0- 8.5	0 – 15	0 - 24	< 8
Surface casing: 9 5/8" set at 750' TMD							

- Spud with freshwater. Circulate through a reserve pit if possible.
- Mix 10.0-ppb AQUAGEL, 1.0 ppb EZ MUD, and 0.5-ppb lime in 50 bbl sweeps to improve well bore cleaning.
- Mix 1.0 gal. EZ-MUD down drill sting on connections for shale inhibition and optimum drill solids removal by the solids control equipment.
- Mix sweeps of saw dust/ BARACARB(25/50) at 5-10 ppb for minor seepage and N-seal at 5 ppb and saw dust at 10 ppb for more severe losses.
- If well bore conditions indicate, mud up to a KCL fluid system as indicated in the production interval.

Drilling Depth (ft)	**Fluid Density (lb/gal)**	**Funnel Viscosity (sec/qt)**	**API Filtrate (ml)**	**pH**	**Plastic Viscosity (cP)**	**Yield Point (lbs/100ft²)**	**Low Gravity Solids (% by Vol)**
750' – 8,500'	8.6 - 10.6	42 - 52	<20	10.5-12.0	0-15	0-20	< 8
Production casing: 5 ½" set at 8,500' TMD							

- Drill out the surface casing shoe with KCL Polymer fluid system.
- Build initial pH with caustic soda then maintain with lime
- Additions of 0.5-ppb BARAZAN D can be used to enhance the low end rheology for optimum well bore cleaning and a lower solids drilling fluid.
- For seepage losses sweep the hole with 10.0-ppb BARACARB (25/50) in sweeps.
- For more severe losses sweep the hole with 5.0-ppb N-SEAL and 10.0-ppb Saw Dust. If losses can't be controlled, spot an 80.0-ppb HYDRO-PLUG pill across the loss zone(s).
- Spot pills of LUBRA-BREADS and/or TOURQE-LESS for additional torque and drag reduction as needed in dog-legs.

Bill Barrett Corporation E-bill
1099 18th Street - Suite 2300
Denver, Colorado 80202

Brundage Canyon General

Duchesne County, Utah
United States of America

Cementing Recommendation

Prepared for: Dominic Spencer
August 15, 2006
Version: 1

Submitted by:
Pat Kundert
Halliburton Energy Services
1125 17th Street - Suite 1900
Denver, Colorado 80202
+303.886.0839

HALLIBURTON

Fluid Instructions
Fluid 1: Water Spacer
Gelled Water Ahead

Fluid Density:	8.33 lbm/gal
Fluid Volume:	20 bbl

Fluid 2: Primary Cement
Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-api)
0.2 % Versaset (Thixotropic Additive)
2 % Calcium Chloride (Accelerator)
0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight	14.50 lbm/gal
Slurry Yield:	1.43 ft^3/sk
Total Mixing Fluid:	6.89 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	750 ft
Volume:	66.16 bbl
Calculated Sacks:	259.74 sks
Proposed Sacks:	260 sks

Fluid Instructions
Fluid 1: Water Spacer
KCL Water Preflush

Fluid Density:	8.33 lbm/gal
Fluid Volume:	10 bbl

Fluid 2: Lead Cement – (3500 – 750')
Halliburton Hi-Fill Modified
94 lbm/sk Type 5 Cement (Cement)
16 % Bentonite (Light Weight Additive)
0.75 % Econolite (Light Weight Additive)
7.5 lbm/sk Gilsonite (Lost Circulation Additive)
2 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)
3 % Salt (Salt)
0.2 % HR-7 (Retarder)

Fluid Weight	11 lbm/gal
Slurry Yield:	3.81 ft^3/sk
Total Mixing Fluid:	23 Gal/sk
Top of Fluid:	750 ft
Calculated Fill:	2750 ft
Volume:	106.07 bbl
Calculated Sacks:	156.32 sks
Proposed Sacks:	160 sks

Fluid 3: Tail Cement – (TD – 3500')
Halliburton Light Premium Plus (Type 5)
3 % KCL (Clay Control)
1 % Econolite (Light Weight Additive)
0.5 % Halad(R)-322 (Low Fluid Loss Control)
0.6 % HR-5 (Retarder)
0.25 lbm/sk Flocele (Lost Circulation Additive)
1 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

Fluid Weight	13.50 lbm/gal
Slurry Yield:	1.58 ft^3/sk
Total Mixing Fluid:	7.77 Gal/sk
Top of Fluid:	3500 ft
Calculated Fill:	6000 ft
Volume:	232.46 bbl
Calculated Sacks:	826.05 sks
Proposed Sacks:	830 sks

16-21-46 DLB Proposed Cementing Program

Job Recommendation — **Surface Casing**

Lead Cement - (950' - 0')

Halliburton Light Premium
2.0% Calcium Chloride
0.25 lbm/sk Ploy-E-Flake

Fluid Weight:	12.3	lbm/gal
Slurry Yield:	1.43	ft^3/sk
Total Mixing Fluid:	10.6	Gal/sk
Top of Fluid:	0'	
Calculated Fill:	950'	
Volume:	119.22	bbl
Proposed Sacks:	**330**	**sks**

Job Recommendation — **Production Casing**

Lead Cement - (4093' - 950')

Halliburton Hi-Fill Modified
16.0% Bentonite
0.75% Ecpnolite
7.5 lbm/sk Gilsonite
2.0 lbm/sk Granulite TR
3.0% Salt
0.2% HR-7

Fluid Weight:	11.0	lbm/gal
Slurry Yield:	3.81	ft^3/sk
Total Mixing Fluid:	23.00	Gal/sk
Top of Fluid:	950'	
Calculated Fill:	3,143'	
Volume:	121.22	bbl
Proposed Sacks:	**180**	**sks**

Tail Cement - (9529' - 4093')

Halliburton Light Premium Plus
3.0% KCl
1.0% Econolite
0.5% Halad®-322
0.6% HR-5
0.25 lbm/sk Flocele
1.0 lbm/sk Granulite

Fluid Weight:	13.5	lbm/gal
Slurry Yield:	1.58	ft^3/sk
Total Mixing Fluid:	7.77	Gal/sk
Top of Fluid:	4,093'	
Calculated Fill:	5,436'	
Volume:	209.68	bbl
Proposed Sacks:	**760**	**sks**

Well name: **Brundage / Lake Canyon General**

Operator: **Bill Barrett Corporation**

String type: Surface

Location: Duchesne County, UT

Design parameters:

Collapse

Mud weight: 8.60 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 303 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 468 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.10

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.80 (J)

Premium: 1.80 (J)

Body yield: 1.80 (B)

Tension is based on buoyed weight.

Neutral point: 655 ft

Environment:

H2S considered? No

Surface temperature: 70.00 °F

Bottom hole temperature: 79 °F

Temperature gradient: 1.22 °F/100ft

Minimum section length: 750 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 8,500 ft

Next mud weight: 9.700 ppg

Next setting BHP: 4,283 psi

Fracture mud wt: 12.000 ppg

Fracture depth: 750 ft

Injection pressure 468 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	750	9.625	36.00	J-55	ST&C	750	750	8.796	53.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	335	2020	6.029	468	3520	7.53	24	394	16.72 J

Prepared by: Dominic Spencer, Bill Barrett

Phone: (303) 312-8143

FAX: (303) 312-8195

Date: July 21,2006

Denver, Colorado

arks:

ipse is based on a vertical depth of 750 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.

pse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

strength is not adjusted for tension.

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

Well name:	**Brundage / Lake Canyon General**
Operator:	**Bill Barrett Corporation**
String type:	Production
Location:	Duchesne County, UT

Design parameters:

Collapse

Mud weight: 9.70 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,697 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,787 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.10

Tension:

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

Tension is based on buoyed weight.

Neutral point: 8,103 ft

Environment:

H2S considered?	No
Surface temperature:	70.00 °F
Bottom hole temperature:	186 °F
Temperature gradient:	1.22 °F/100ft
Minimum section length:	1,500 ft

Cement top: 2,000 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9500	5.5	17.00	N-80	LT&C	9500	9500	4.767	327.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4787	6290	1.314	4787	7740	1.62	138	348	2.53 J

Prepared by: Dominic Spencer, Bill Barrett

Phone: (303) 312-8143

FAX: (303) 312-8195

Date: August 11,2006

Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 9500 ft, a mud weight of 9.7 ppg The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

J-80 Performance Property Comparison

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	J-80 Performance Properties					J-55 Performance Properties					N-80 Performance Properties				
			Collapse, psi	Burst, psi	Tension, 1000 lbs Pipe Body Yield	Tension, 1000 lbs Joint Strength	Maximum Set Depth, feet	Collapse psi	Burst, psi	Tension, 1000 lbs Pipe Body Yield	Tension, 1000 lbs Joint Strength	Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs Pipe Body Yield	Tension, 1000 lbs Joint Strength	Max Set D fe
4.500	9.50	Short	3900	6380	221	138	6930	3310	4380	152	101	5890	3900	6380	221	143	6
	10.50	Short	4940	6970	241	173	8780	4010	4790	165	132	7000	4940	6970	241	186	8
	11.60	Long	6350	7780	267	201	9610	4960	5350	184	162	7760	6350	7780	267	223	106
5.500	14.00	Short	3620	6210	322	234	6440	3120	4270	222	172	5550	3620	6210	322	243	64
	15.50	Long	4990	7000	361	282	8870	4040	4810	248	217	7180	4990	7000	361	306	88
	17.00	Long	6280	7740	397	320	10470	4910	5320	273	247	8060	6280	7740	397	348	111
7.000	20.00	Short	2740	5440	460	320	4870	2270	3740	316	234	4040	2740	5440	460	331	48
	23.00	Long	3830	6340	532	428	6810	3270	4360	366	313	5810	3830	6340	532	442	68
	26.00	Long	5410	7240	604	502	9620	4320	4980	415	367	7680	5410	7240	604	519	96
8.625	24.00	Short	1430	4290	555	337	2540	1370	2950	381	244	2440	1430	4290	555	346	25
	28.00	Long	2160	4930	636	478	3840	1880	3390	437	348	3340	2160	4930	636	493	38
	32.00	Long	3050	5710	732	574	5420	2530	3930	503	417	4500	3050	5710	732	591	54

J-80 Dimensions, Torques and Hydro-Test Pressures

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	Dimensions, inch					Make-Up Torque ft x lbs			Hydro-Test Pressure, psi
			Wall Thickness	Inside Diameter	Drift Diameter	Coupling Outside Diameter	Make-up Loss	Optimum	Minimum	Maximum	
4.500	9.50	Short	0.205	4.090	3.965	5.000	2.000	1380	1040	1730	5800
	10.50	Short	0.224	4.052	3.927	5.000	2.625	1790	1340	2240	6400
	11.60	Long	0.250	4.000	3.875	5.000	3.000	2190	1640	2740	7100
5.500	14.00	Short	0.244	5.012	4.887	6.050	2.875	2340	1760	2930	5700
	15.50	Long	0.275	4.950	4.825	6.050	3.500	2950	2210	3690	6400
	17.00	Long	0.304	4.892	4.767	6.050	3.500	3350	2510	4190	7100
7.000	20.00	Short	0.272	6.456	6.331	7.656	3.125	3200	2400	4000	5000
	23.00	Long	0.317	6.366	6.250	7.656	4.000	4280	3210	5350	5800
	26.00	Long	0.362	6.276	6.151	7.656	4.000	5020	3770	6280	6600
8.625	24.00	Short	0.264	8.097	7.972	9.625	3.000	3370	2530	4210	3900
	28.00	Long	0.304	8.017	7.892	9.625	4.500	4780	3590	5980	4500
	32.00	Long	0.352	7.921	7.875	9.625	4.500	5740	4310	7180	5200

1. API Bulletin 5C3, Sixth Edition, October 1994 was used to determine the listed properties.

2. The vertical set depth was computed using a 9.625 lb. per U.S. gallon mud, and safety factors of 1.125, 1.0 and 1.8 respectively, for collapse, burst and tension.

3. Products are available plain end and with IPSCOís premium connects QB1 and QB2.

4. As a service, IPSCO offers casing string designs upon request.

The information and data contained herein are accurate to our knowledge, based upon standard industry calculations. Buyers are encouraged to make their own evaluations of the above derived performance properties for their particular use. The specific warranty applicable to these goods is as contained in IPSCO's Order Acknowledgment, Conditions of Sale.

ipsco

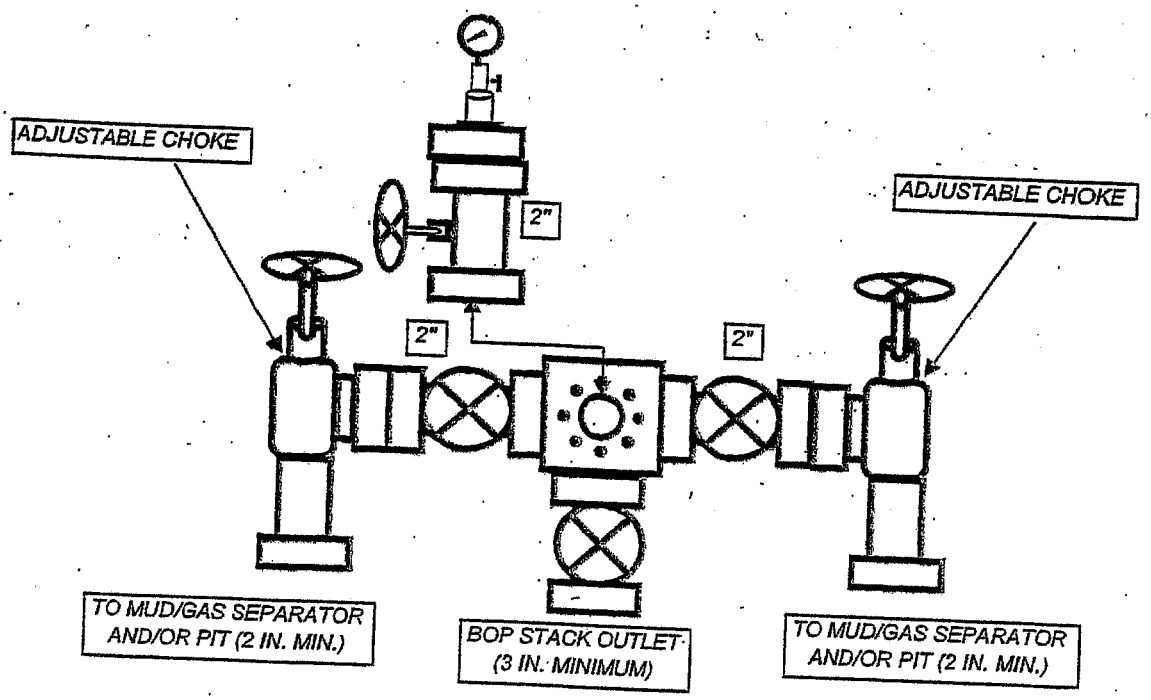
P.O. Box 18
Camanche, Iowa 52730
Phone: (563) 242-0000
Toll Free: 1-800-950-4772

400 505-3rd Street SW
Calgary, Alberta T2P 3E6
Phone: (403) 543-8000
Toll Free: 1-877-730-...

P.O. Box 1670
Regina, Saskatchewan S4P 3C7
Phone: (306) 924-7700

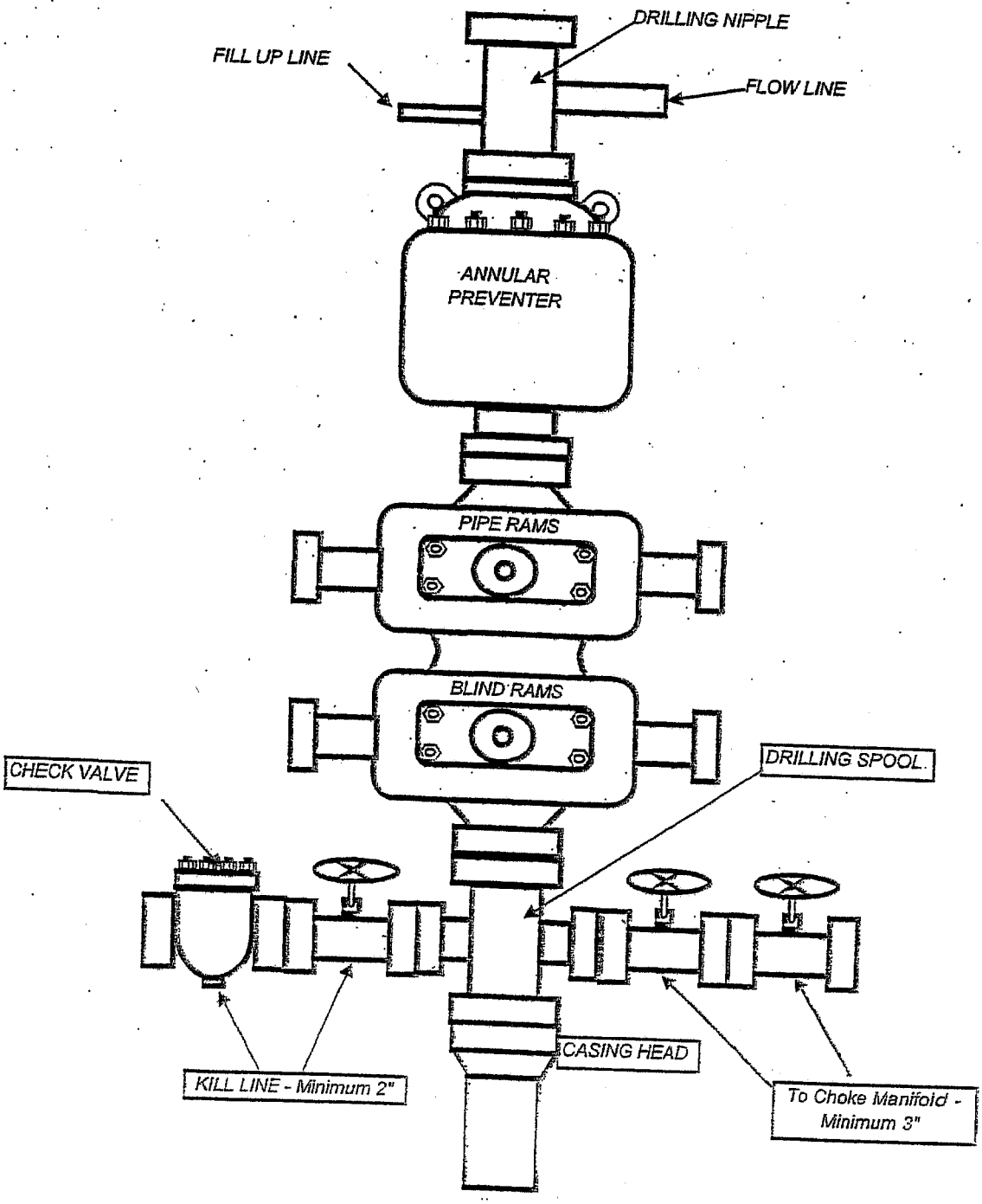
BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. CHOKE MANIFOLD



BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



Weatherford

Drilling Services

Proposal

Bill Barrett Corporation

BILL BARRETT CORPORATION

#16-21-46 DLB

DUCHESNE COUNTY, UTAH

WELL FILE:PLAN1

APRIL 27, 2007

Weatherford International, Ltd.
363 North Sam Houston Pkwy E, Suite 600
Houston, Texas 77060 USA
+1.281.260.5600 Main
+1.281.260.2763 Fax
www.weatherford.com

Bill Barrett Corporation

#16-21-46 DLB
SEC 21 T4S R6W
446' FSL, 625' FEL
DUCHESNE COUNTY, UTAH

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	350.85	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	350.85	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1117.93	2.36	350.85	1117.90	2.40	-0.39	2.00	350.85	2.43	
4	6218.56	2.36	350.85	6214.20	209.64	-33.78	0.00	0.00	212.34	
5	6454.42	0.00	350.85	6450.00	214.43	-34.55	1.00	180.00	217.20	
6	9529.42	0.00	350.85	9525.00	214.43	-34.55	0.00	350.85	217.20	PBHL_16-21-46 DLB

SITE DETAILS

#16-21-46 DLB
SECTION 21-T4S-R6W
446' FSL, 625' FEL

Site Centre Latitude: 40°06'45.250N
Longitude: 110°33'38.500W

Ground Level: 7155.60
Positional Uncertainty: 0.00
Convergence: 0.60

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3815.00	3817.32	TGR 3
2	4590.00	4592.98	DOUGLAS CREEK
3	5250.00	5253.54	BLACK SHALE MARKER
4	5525.00	5528.77	CASTLE PEAK
5	6140.00	6144.29	WASATCH
6	8050.00	8054.42	NORTH HORN

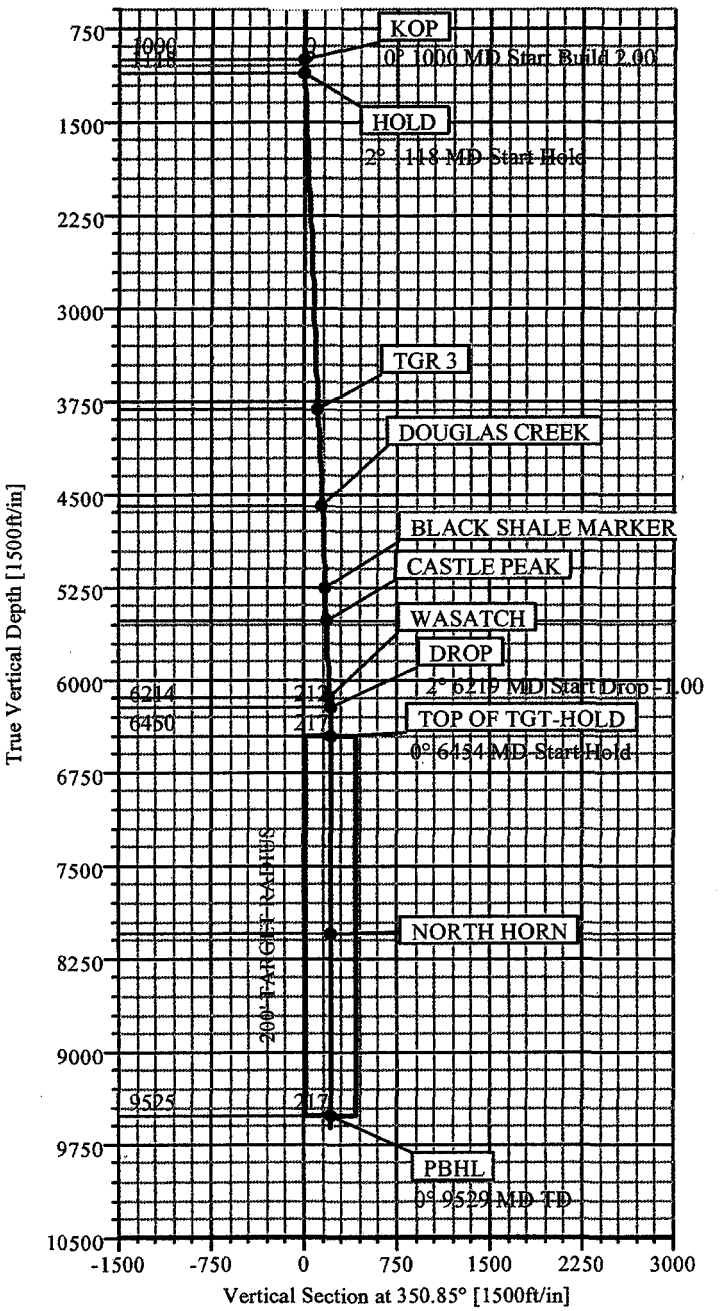
CASING DETAILS

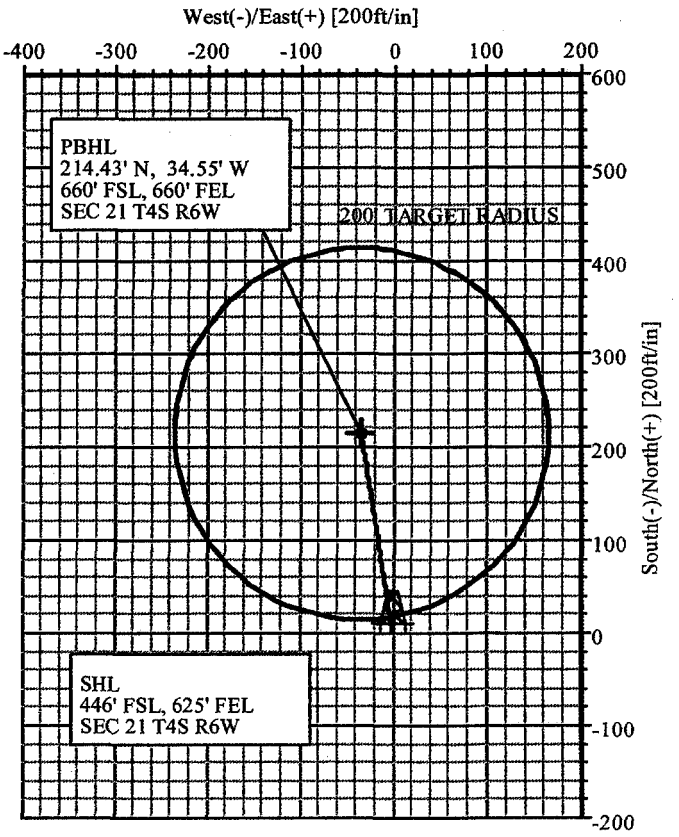
No.	TVD	MD	Name	Size

No casings on this wellpath.

ASSUMED 15' KB ELEVATION

KB ELEVATION:7170.6'
GR ELEVATION: 7155.6'





Azimuths to True North
Magnetic North: 12.07°

Magnetic Field
Strength: 52691nT
Dip Angle: 65.88°
Date: 4/27/2007
Model: bggm2006

TOTAL CORRECTION TO TRUE NORTH: 12.07°

Weatherford

Plan: Plan #1 (#16-21-46 DLB/1)

Created By: ROBERT SCOTT Date: 4/27/2007

Weatherford International, Ltd.

PLAN REPORT

Company:	BILL BARRETT CORP	**Date:** 4/27/2007	**Time:** 11:35:02	**Page:**	1
Field:	DUCHESNE COUNTY, UTAH	**Co-ordinate(NE) Reference:**	Site: #16-21-46 DLB, True North		
Site:	#16-21-46 DLB	**Vertical (TVD) Reference:**	SITE 7170.6		
Well:	#16-21-46 DLB	**Section (VS) Reference:**	Well (0.00N,0.00E,350.85Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: DUCHESNE COUNTY, UTAH

Map System:	US State Plane Coordinate System 1983	**Map Zone:**	Utah, Central Zone
Geo Datum:	GRS 1980	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	bggm2006

Site: #16-21-46 DLB
SECTION 21-T4S-R6W
446' FSL, 625' FEL

Site Position:		**Northing:**	7211121.52 ft	**Latitude:**	40	6	45.250 N
From:	Geographic	**Easting:**	1903118.17 ft	**Longitude:**	110	33	38.500 W
Position Uncertainty:	0.00 ft			**North Reference:**			True
Ground Level:	7155.60 ft			**Grid Convergence:**			0.60 deg

Well:	#16-21-46 DLB			**Slot Name:**			
Well Position:	+N/-S 0.00 ft	**Northing:**	7211121.52 ft	**Latitude:**	40	6	45.250 N
	+E/-W 0.00 ft	**Easting:**	1903118.17 ft	**Longitude:**	110	33	38.500 W
Position Uncertainty:	0.00 ft						

Wellpath:	1			**Drilled From:**	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	SITE	**Height**	7170.60 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	4/27/2007			**Declination:**	12.07 deg
Field Strength:	52691 nT			**Mag Dip Angle:**	65.88 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	350.85

Plan:	Plan #1	**Date Composed:**	4/27/2007
		Version:	1
Principal:	Yes	**Tied-to:**	From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	350.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	350.85	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1117.93	2.36	350.85	1117.90	2.40	-0.39	2.00	2.00	0.00	350.85	
6218.56	2.36	350.85	6214.20	209.64	-33.78	0.00	0.00	0.00	0.00	
6454.42	0.00	350.85	6450.00	214.43	-34.55	1.00	-1.00	0.00	180.00	
9529.42	0.00	350.85	9525.00	214.43	-34.55	0.00	0.00	0.00	350.85	PBHL_16-21-46 DLB

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
1000.00	0.00	350.85	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
1100.00	2.00	350.85	1099.98	1.72	-0.28	1.75	2.00	2.00	0.00	
1117.93	2.36	350.85	1117.90	2.40	-0.39	2.43	2.00	2.00	0.00	HOLD
1200.00	2.36	350.85	1199.90	5.73	-0.92	5.80	0.00	0.00	0.00	
1300.00	2.36	350.85	1299.81	9.79	-1.58	9.92	0.00	0.00	0.00	
1400.00	2.36	350.85	1399.73	13.86	-2.23	14.04	0.00	0.00	0.00	
1500.00	2.36	350.85	1499.64	17.92	-2.89	18.15	0.00	0.00	0.00	
1600.00	2.36	350.85	1599.56	21.98	-3.54	22.27	0.00	0.00	0.00	
1700.00	2.36	350.85	1699.47	26.05	-4.20	26.38	0.00	0.00	0.00	
1800.00	2.36	350.85	1799.39	30.11	-4.85	30.50	0.00	0.00	0.00	
1900.00	2.36	350.85	1899.30	34.17	-5.51	34.61	0.00	0.00	0.00	
2000.00	2.36	350.85	1999.22	38.24	-6.16	38.73	0.00	0.00	0.00	
2100.00	2.36	350.85	2099.13	42.30	-6.82	42.84	0.00	0.00	0.00	
2200.00	2.36	350.85	2199.05	46.36	-7.47	46.96	0.00	0.00	0.00	
2300.00	2.36	350.85	2298.97	50.42	-8.13	51.07	0.00	0.00	0.00	

Weatherford International, Ltd.

PLAN REPORT

Company:	BILL BARRETT CORP	**Date:** 4/27/2007	**Time:** 11:35:02	**Page:**	2
Field:	DUCHESNE COUNTY, UTAH	**Co-ordinate(NE) Reference:**	Site: #16-21-46 DLB, True North		
Site:	#16-21-46 DLB	**Vertical (TVD) Reference:**	SITE 7170.6		
Well:	#16-21-46 DLB	**Section (VS) Reference:**	Well (0.00N,0.00E,350.85Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2400.00	2.36	350.85	2398.88	54.49	-8.78	55.19	0.00	0.00	0.00	
2500.00	2.36	350.85	2498.80	58.55	-9.44	59.31	0.00	0.00	0.00	
2600.00	2.36	350.85	2598.71	62.61	-10.09	63.42	0.00	0.00	0.00	
2700.00	2.36	350.85	2698.63	66.68	-10.74	67.54	0.00	0.00	0.00	
2800.00	2.36	350.85	2798.54	70.74	-11.40	71.65	0.00	0.00	0.00	
2900.00	2.36	350.85	2898.46	74.80	-12.05	75.77	0.00	0.00	0.00	
3000.00	2.36	350.85	2998.37	78.87	-12.71	79.88	0.00	0.00	0.00	
3100.00	2.36	350.85	3098.29	82.93	-13.36	84.00	0.00	0.00	0.00	
3200.00	2.36	350.85	3198.20	86.99	-14.02	88.11	0.00	0.00	0.00	
3300.00	2.36	350.85	3298.12	91.05	-14.67	92.23	0.00	0.00	0.00	
3400.00	2.36	350.85	3398.03	95.12	-15.33	96.35	0.00	0.00	0.00	
3500.00	2.36	350.85	3497.95	99.18	-15.98	100.46	0.00	0.00	0.00	
3600.00	2.36	350.85	3597.86	103.24	-16.64	104.58	0.00	0.00	0.00	
3700.00	2.36	350.85	3697.78	107.31	-17.29	108.69	0.00	0.00	0.00	
3800.00	2.36	350.85	3797.69	111.37	-17.95	112.81	0.00	0.00	0.00	
3817.32	2.36	350.85	3815.00	112.07	-18.06	113.52	0.00	0.00	0.00	TGR 3
3900.00	2.36	350.85	3897.61	115.43	-18.60	116.92	0.00	0.00	0.00	
4000.00	2.36	350.85	3997.52	119.50	-19.26	121.04	0.00	0.00	0.00	
4100.00	2.36	350.85	4097.44	123.56	-19.91	125.15	0.00	0.00	0.00	
4200.00	2.36	350.85	4197.36	127.62	-20.57	129.27	0.00	0.00	0.00	
4300.00	2.36	350.85	4297.27	131.69	-21.22	133.38	0.00	0.00	0.00	
4400.00	2.36	350.85	4397.19	135.75	-21.88	137.50	0.00	0.00	0.00	
4500.00	2.36	350.85	4497.10	139.81	-22.53	141.62	0.00	0.00	0.00	
4592.98	2.36	350.85	4590.00	143.59	-23.14	145.44	0.00	0.00	0.00	DOUGLAS CREEK
4600.00	2.36	350.85	4597.02	143.87	-23.18	145.73	0.00	0.00	0.00	
4700.00	2.36	350.85	4696.93	147.94	-23.84	149.85	0.00	0.00	0.00	
4800.00	2.36	350.85	4796.85	152.00	-24.49	153.96	0.00	0.00	0.00	
4900.00	2.36	350.85	4896.76	156.06	-25.15	158.08	0.00	0.00	0.00	
5000.00	2.36	350.85	4996.68	160.13	-25.80	162.19	0.00	0.00	0.00	
5100.00	2.36	350.85	5096.59	164.19	-26.46	166.31	0.00	0.00	0.00	
5200.00	2.36	350.85	5196.51	168.25	-27.11	170.42	0.00	0.00	0.00	
5253.54	2.36	350.85	5250.00	170.43	-27.46	172.63	0.00	0.00	0.00	BLACK SHALE MARKER
5300.00	2.36	350.85	5296.42	172.32	-27.77	174.54	0.00	0.00	0.00	
5400.00	2.36	350.85	5396.34	176.38	-28.42	178.65	0.00	0.00	0.00	
5500.00	2.36	350.85	5496.25	180.44	-29.08	182.77	0.00	0.00	0.00	
5528.77	2.36	350.85	5525.00	181.61	-29.27	183.95	0.00	0.00	0.00	CASTLE PEAK
5600.00	2.36	350.85	5596.17	184.51	-29.73	186.89	0.00	0.00	0.00	
5700.00	2.36	350.85	5696.08	188.57	-30.39	191.00	0.00	0.00	0.00	
5800.00	2.36	350.85	5796.00	192.63	-31.04	195.12	0.00	0.00	0.00	
5900.00	2.36	350.85	5895.92	196.69	-31.70	199.23	0.00	0.00	0.00	
6000.00	2.36	350.85	5995.83	200.76	-32.35	203.35	0.00	0.00	0.00	
6100.00	2.36	350.85	6095.75	204.82	-33.01	207.46	0.00	0.00	0.00	
6144.29	2.36	350.85	6140.00	206.62	-33.30	209.29	0.00	0.00	0.00	WASATCH
6200.00	2.36	350.85	6195.66	208.88	-33.66	211.58	0.00	0.00	0.00	
6218.56	2.36	350.85	6214.20	209.64	-33.78	212.34	0.00	0.00	0.00	DROP
6300.00	1.54	350.85	6295.60	212.38	-34.22	215.12	1.00	-1.00	0.00	
6400.00	0.54	350.85	6395.58	214.17	-34.51	216.94	1.00	-1.00	0.00	
6454.42	0.00	350.85	6450.00	214.43	-34.55	217.20	1.00	-1.00	0.00	HOLD
6500.00	0.00	350.85	6495.58	214.43	-34.55	217.20	0.00	0.00	0.00	
6600.00	0.00	350.85	6595.58	214.43	-34.55	217.20	0.00	0.00	0.00	
6700.00	0.00	350.85	6695.58	214.43	-34.55	217.20	0.00	0.00	0.00	
6800.00	0.00	350.85	6795.58	214.43	-34.55	217.20	0.00	0.00	0.00	
6900.00	0.00	350.85	6895.58	214.43	-34.55	217.20	0.00	0.00	0.00	

Weatherford International, Ltd.
PLAN REPORT

Company:	BILL BARRETT CORP	**Date:** 4/27/2007	**Time:** 11:35:02	**Page:**	3
Field:	DUCHESNE COUNTY, UTAH	**Co-ordinate(NE) Reference:**	Site: #16-21-46 DLB, True North		
Site:	#16-21-46 DLB	**Vertical (TVD) Reference:**	SITE 7170.6		
Well:	#16-21-46 DLB	**Section (VS) Reference:**	Well (0.00N,0.00E,350.85Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
7000.00	0.00	350.85	6995.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7100.00	0.00	350.85	7095.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7200.00	0.00	350.85	7195.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7300.00	0.00	350.85	7295.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7400.00	0.00	350.85	7395.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7500.00	0.00	350.85	7495.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7600.00	0.00	350.85	7595.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7700.00	0.00	350.85	7695.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7800.00	0.00	350.85	7795.58	214.43	-34.55	217.20	0.00	0.00	0.00	
7900.00	0.00	350.85	7895.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8000.00	0.00	350.85	7995.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8054.42	0.00	350.85	8050.00	214.43	-34.55	217.20	0.00	0.00	0.00	NORTH HORN
8100.00	0.00	350.85	8095.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8200.00	0.00	350.85	8195.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8300.00	0.00	350.85	8295.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8400.00	0.00	350.85	8395.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8500.00	0.00	350.85	8495.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8600.00	0.00	350.85	8595.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8700.00	0.00	350.85	8695.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8800.00	0.00	350.85	8795.58	214.43	-34.55	217.20	0.00	0.00	0.00	
8900.00	0.00	350.85	8895.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9000.00	0.00	350.85	8995.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9100.00	0.00	350.85	9095.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9200.00	0.00	350.85	9195.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9300.00	0.00	350.85	9295.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9400.00	0.00	350.85	9395.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9500.00	0.00	350.85	9495.58	214.43	-34.55	217.20	0.00	0.00	0.00	
9529.42	0.00	350.85	9525.00	214.43	-34.55	217.20	0.00	0.00	0.00	PBHL_16-21-46 DLB

Annotation

MD ft	TVD ft	
1000.00	1000.00	KOP
1117.93	1117.90	HOLD
6218.56	6214.21	DROP
6454.42	6450.00	HOLD
9529.42	9525.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL_16-21-46 DLB -Circle (Radius: 200) -Plan hit target			9525.00	214.43	-34.55	7211335.58	1903081.37	40 6 47.369 N	110 33 38.945 W

Surface Use Plan for
Bill Barrett Corporation's
Development Program
Lake Canyon Area
Duchesne County, Utah

1. **Existing Roads:**

The Lake Canyon area is located approximately 12 miles southwest of Duchesne, Utah and extends from Township 3 South, Range 10 West to Township 5 South, Range 6 West. The specific location of a particular well pad will be shown on maps and described in the site specific APD.

The use of Skitzy Road is necessary to access the area. Improvements to Skitzy Road and other existing access roads will be noted in the site specific APD's.

2. **Planned Access Roads:**

Descriptions of new access road(s) will be included in the site specific APD.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advanced with the UDWR

3. **Location of Tank Batteries, Production Facilities, and Production Gathering And Service Lines:**

The following guidelines will apply if the well is productive:

All permanent (on site for six months or longer) structures constructed or installed will conform to DOGM standards. All facilities will be painted within six months of installation.

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the well site specific APD.

4. **Location and Type of Water Supply**

The Duchesne City Culinary Water Dock located in section 1, T4S-R5W will be used for water supply for drilling and completion operations. Additional water supply sources will be addressed in the site specific APD, indicating the location and type of water supply.

5. **Source of Construction Materials:**

All construction materials for this location site and access road shall be borrowed (local) material accumulated during construction of the location site and access road. No construction materials will be removed from UDWR lands. If any gravel is used, it will be obtained from an approved gravel pit.

6. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including any salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed.

Unless otherwise specified in the site specific APD , the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not allow discharge of liquids.

If it is determined, at the onsite, that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12-millimeters thick. The liner will overlay a felt-liner pad if rock that might tear or puncture the liner is encountered during excavation. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash, scrap pipe, etc. that could puncture the liner will not be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations. The pit liner will be protected during drilling and completion operations.

Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical self-contained sanitary-toilet will be onsite during drilling and completions.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The reserve pit fencing will be on three sides before drilling operations start. The fourth side will be fenced as soon as drilling is completed and the rig is removed. The fencing will be maintained until such time as the pits are backfilled.

7. **Ancillary Facilities:**

Garbage containers and portable toilets are the only ancillary facilities proposed. No additional ancillary facilities are foreseen in the future.

8. **Wellsite Layout:**

A location layout diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific APD and developed through a consultant.

9. **Plans for Restoration of the Surface:**

The dirt contractor will be provided with an approved copy of the surface use plan and these Standard Operating Procedures prior to commencing construction activities.

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett Corporation (BBC) and UDWR. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near

as possible to its original line of flow.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The remaining liner will be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting, unless it is determined that this location will be utilized to drill additional wells within 1 year of completing operations.

After the reserve pit has been reclaimed, diversion ditches and water bars will be used to divert precipitation runon/runoff as appropriate.

Prior to the construction of the location, the top 6 inches or maximum available topsoil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be recontoured and the stockpiled topsoil spread over the area.

If topsoil must be stored for more than one year:

It shall be windrowed on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

It shall be broadcast seeded with the prescribed seed mixture immediately after windrowing. Seed will be drilled on the contour to an appropriate depth and the stockpile then "walked" with a dozer to cover the seed and roughen the soil to prevent erosion.

Mulching may be considered to enhance the re-establishment of desired native plant communities. If straw or hay mulch is used, the straw and hay must be certified to be weed-free and the documentation submitted prior to usage.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

UDWR shall be contacted for the required seed mixture. Seed will be drilled on

the contour to an appropriate depth. If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, BBC will follow UT-DOGM standards for final well abandonment.

10. Other Information:

The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the BBC field representative to ensure compliance.

The operator will control noxious weeds along applied access road authorizations, pipeline route authorizations, well sites or other applicable facilities

Wells drilled during the fire season (June – October) all appropriate precautions shall be instituted to ensure that fire hazard is minimized, including, but not limited to, controlling vegetation and keeping fire fighting equipment readily available during all drilling and completion operations.

Drilling rigs and/or equipment used during drilling operations on locations will not be stacked or stored on UDWR administered lands after the conclusion of drilling operations or at any other time without permission by the UDWR. If UDWR permission is obtained, such storage will only be temporary measure.

Travel will be restricted to approved travel routes.

11. CERTIFICATION

Reed Haddock
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

Phone: 303-312-8546
Fax: 303-291-0420

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bill Barrett Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Reed Haddock

DATE: February 27, 2007

Reed Haddock
Permit Analyst

12. Bill Barrett Corporation and UDWR Contacts:

BBC Representatives:

Reed Haddock, Regulatory and Permitting; Phone: (303) 312-8546
Scot Donato, Environmental Health and Safety; Phone: (303) 312-8191
Monty Shed, Field Operations; Phone: (307) 262-1511

UDWR Representatives:

Ben Williams, UDWR, Wildlife Resources; Phone: (435) 781-5357
Bill James, UDWR, Wildlife Resources, Manager; Phone: (801) 538-4745

BILL BARRETT CORPORATION

#16-21-46 DLB

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 21, T4S, R6W, U.S.B.&M.

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

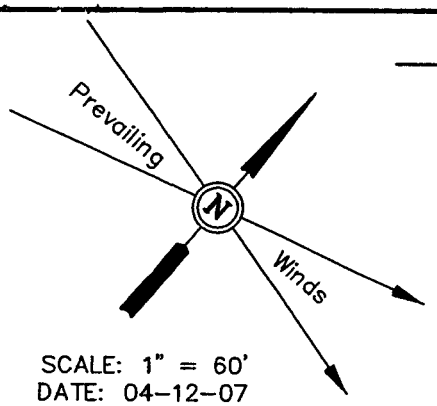
TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	PHOTO
TAKEN BY: D.S.	DRAWN BY: C.P.	REVISED: 00-00-00		

BILL BARRETT CORPORATION

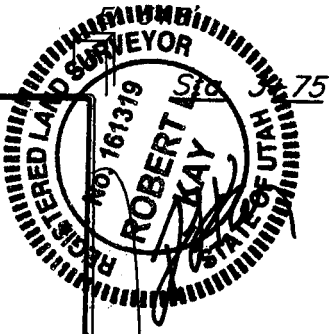
LOCATION LAYOUT FOR

FIGURE #1

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL



SCALE: 1" = 60'
DATE: 04-12-07
DRAWN BY: P.M.



F-0.6'
El. 55.0'

Existing Road

Proposed Road Re-Route

F-0.8'

Sta. 3+75

C-1.9'
El. 57.5'

DATA

175'

F-5.0'
El. 50.6'

F-4.7'
El. 50.9'

CATWALK

100'

PIPE RACKS

Topsoil Stockpile

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

Flare Pit

75'

El. 56.0'
C-0.4'

C-1.3'
El. 56.9'

El. 56.5'
C-8.9'
(Btm. Pit)

100'

10'

45'

DOG HOUSE

125'

Sta. 2+00

F-0.5'
El. 55.1'

C-0.7'
El. 56.3'

RIG

WATER

TRAILER

PUMP

MUD SHED

TOILET

RESERVE PIT
8' DEEP

MUD TANKS

HOPPER

FUEL

POWER

TOOLS

FUEL

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH/DIKE

200'

1 1/2:1 Slope

Total Pit Capacity
W/2' of Freeboard
= 16,830 Bbls.±
Total Pit Volume
= 4,920 Cu. Yds

Sta. 0+50

200'

Approx. Toe of Fill Slope

C-6.7'
El. 62.3'

C-4.9'
El. 60.5'

STORAGE TANK

TRASH

El. 60.5'
C-12.9'
(Btm. Pit)

Sta. 0+00

C-6.7'
El. 62.3'

Proposed Access Road

F-2.4'
El. 53.2'

Approx. Top of Cut Slope

NOTES:

Elev. Ungraded Ground At Loc. Stake = 7156.9'

FINISHED GRADE ELEV. AT LOC. STAKE = 7155.6'

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

BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

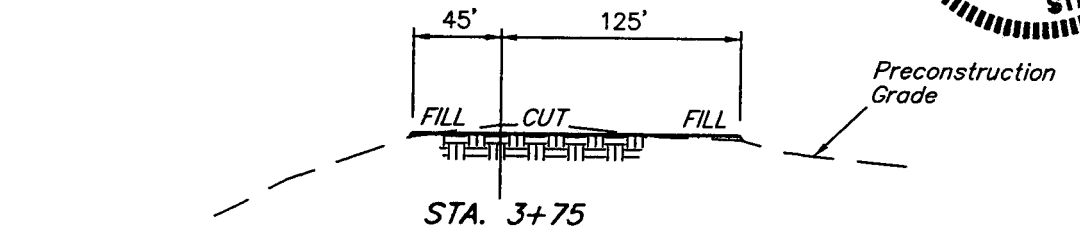
#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

FIGURE #2

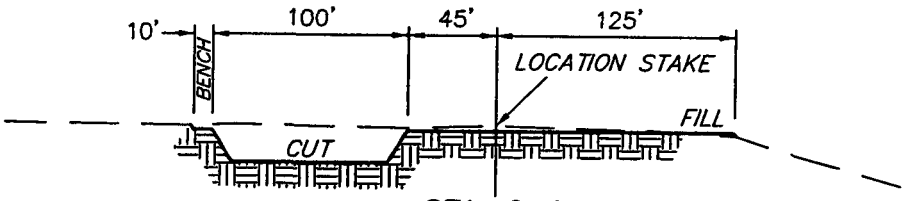
1" = 40'
X-Section Scale
1" = 100'

DATE: 04-12-07
DRAWN BY: P.M.

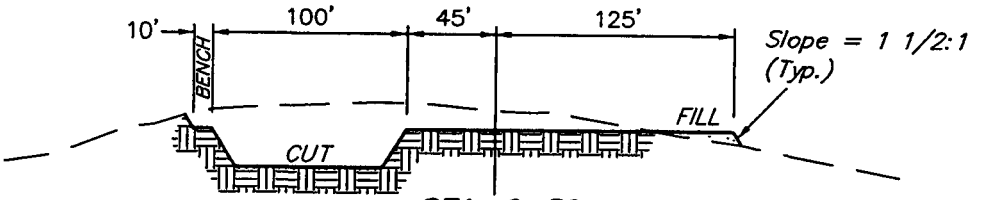
REGISTERED LAND SURVEYOR
No. 161319
ROBERT KAY
STATE OF UTAH



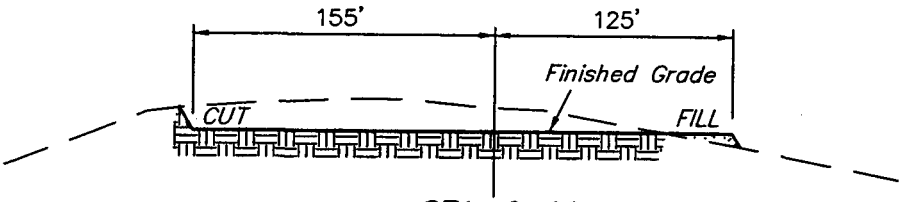
STA. 3+75



STA. 2+00



STA. 0+50



STA. 0+00

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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

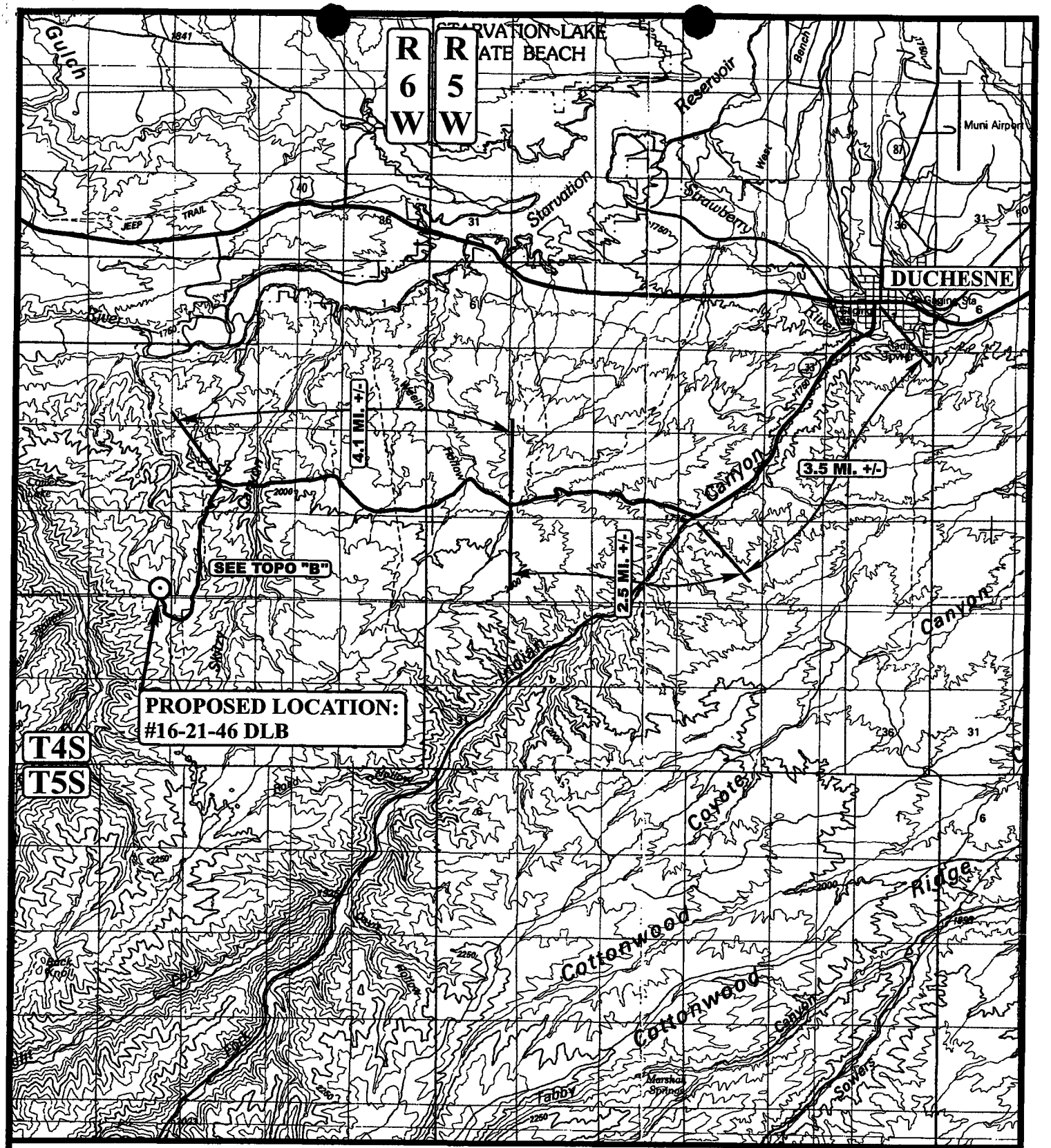
APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 3,830 Cu. Yds.
Remaining Location = 9,160 Cu. Yds.

TOTAL CUT = 12,990 CU.YDS.
FILL = 3,590 CU.YDS.

EXCESS MATERIAL = 9,400 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 6,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 3,110 Cu. Yds.

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



LEGEND:

⊙ PROPOSED LOCATION

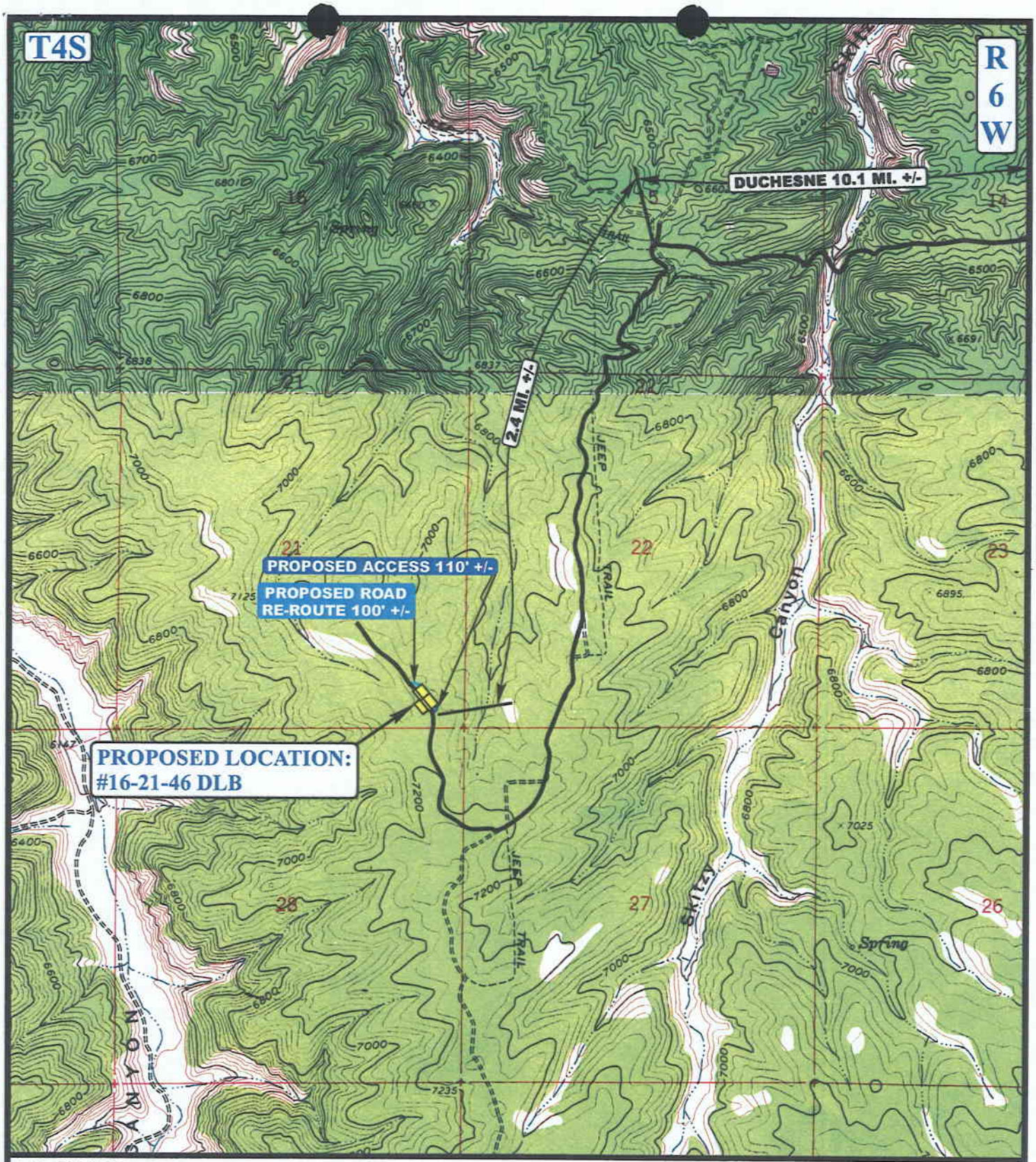
N

BILL BARRETT CORPORATION

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

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

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD
PROPOSED ACCESS ROAD
PROPOSED ROAD RE-ROUTE

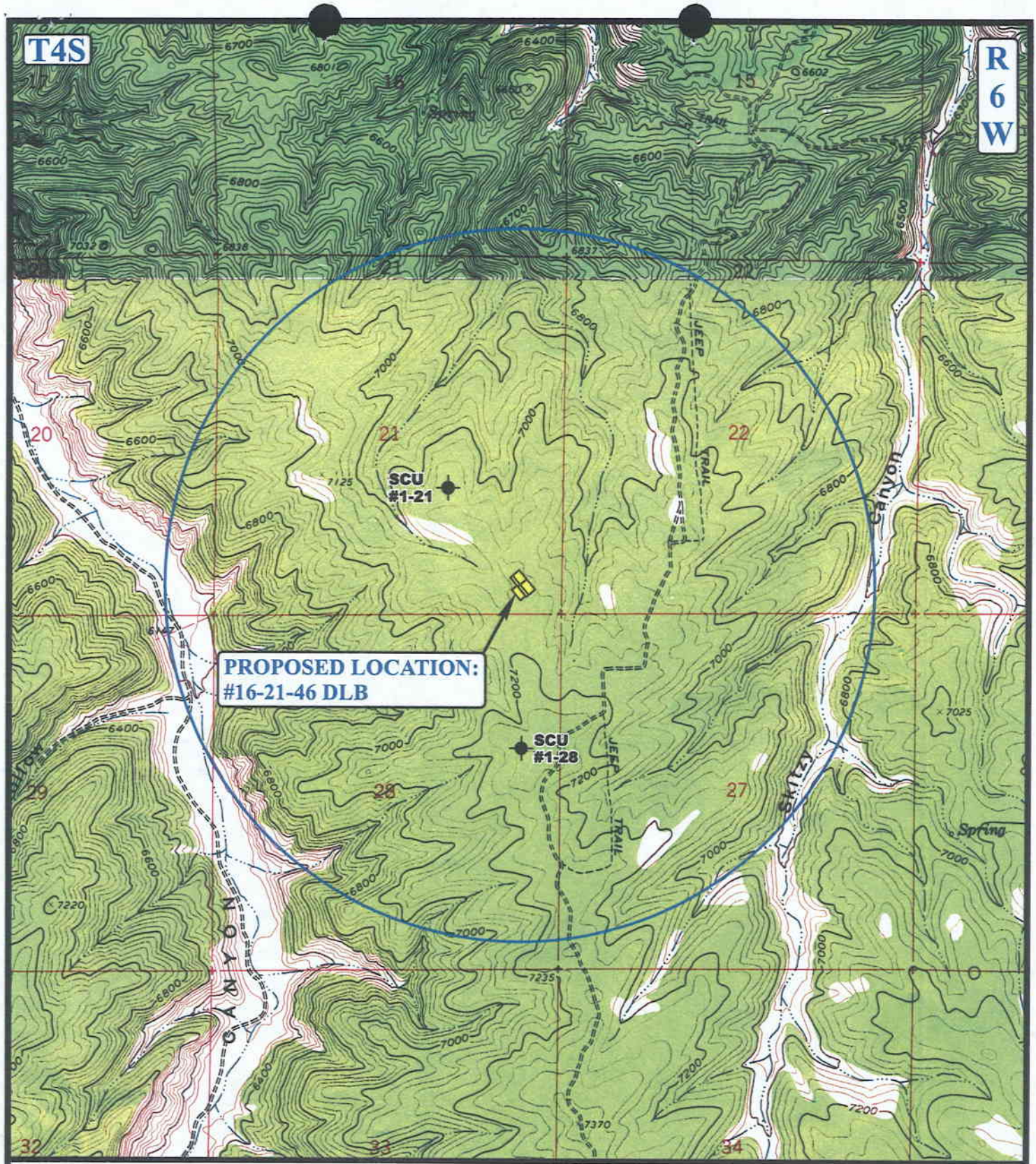
N

BILL BARRETT CORPORATION

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

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

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

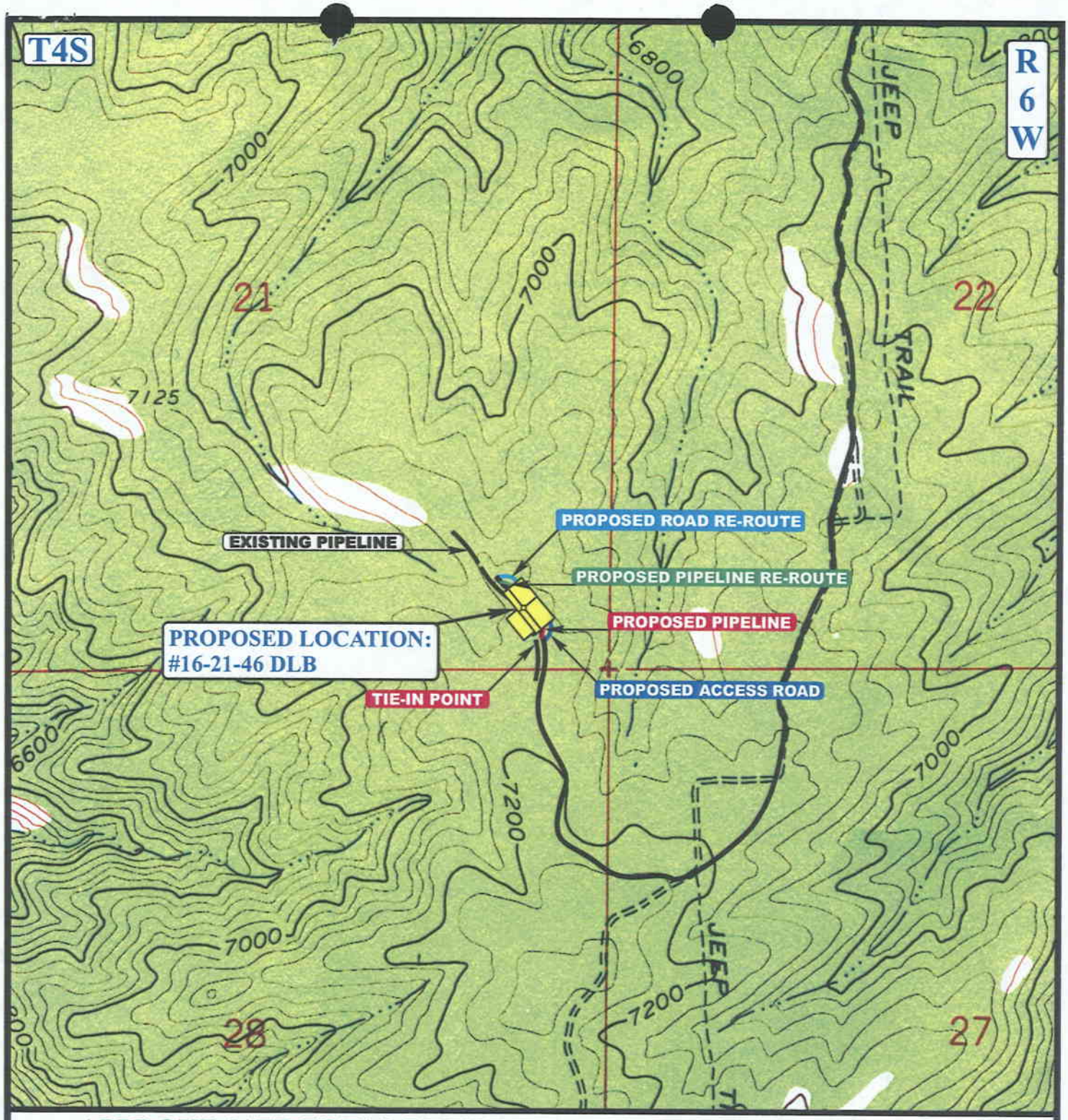
N

BILL BARRETT CORPORATION

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

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

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 114' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 86' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE RE-ROUTE
- PROPOSED ROAD RE-ROUTE

N

BILL BARRETT CORPORATION

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

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

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00		

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/02/2007

API NO. ASSIGNED: 43-013-33632

WELL NAME: 16-21-46 DLB

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303-312-8546

CONTACT: REED HADDOCK

PROPOSED LOCATION:

SESE 21 040S 060W

SURFACE: 0446 FSL 0625 FEL

BOTTOM: 0660 FSL 0660 FEL

COUNTY: DUCHESNE

LATITUDE: 40.11259 LONGITUDE: -110.5601

UTM SURF EASTINGS: 537491 NORTHINGS: 4440136

FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-5500

PROPOSED FORMATION: NHORN

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. WYB000040)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. MUNICIPAL)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: ___

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

___ Drilling Unit

Board Cause No: ___

Eff Date: ___

Siting: ___

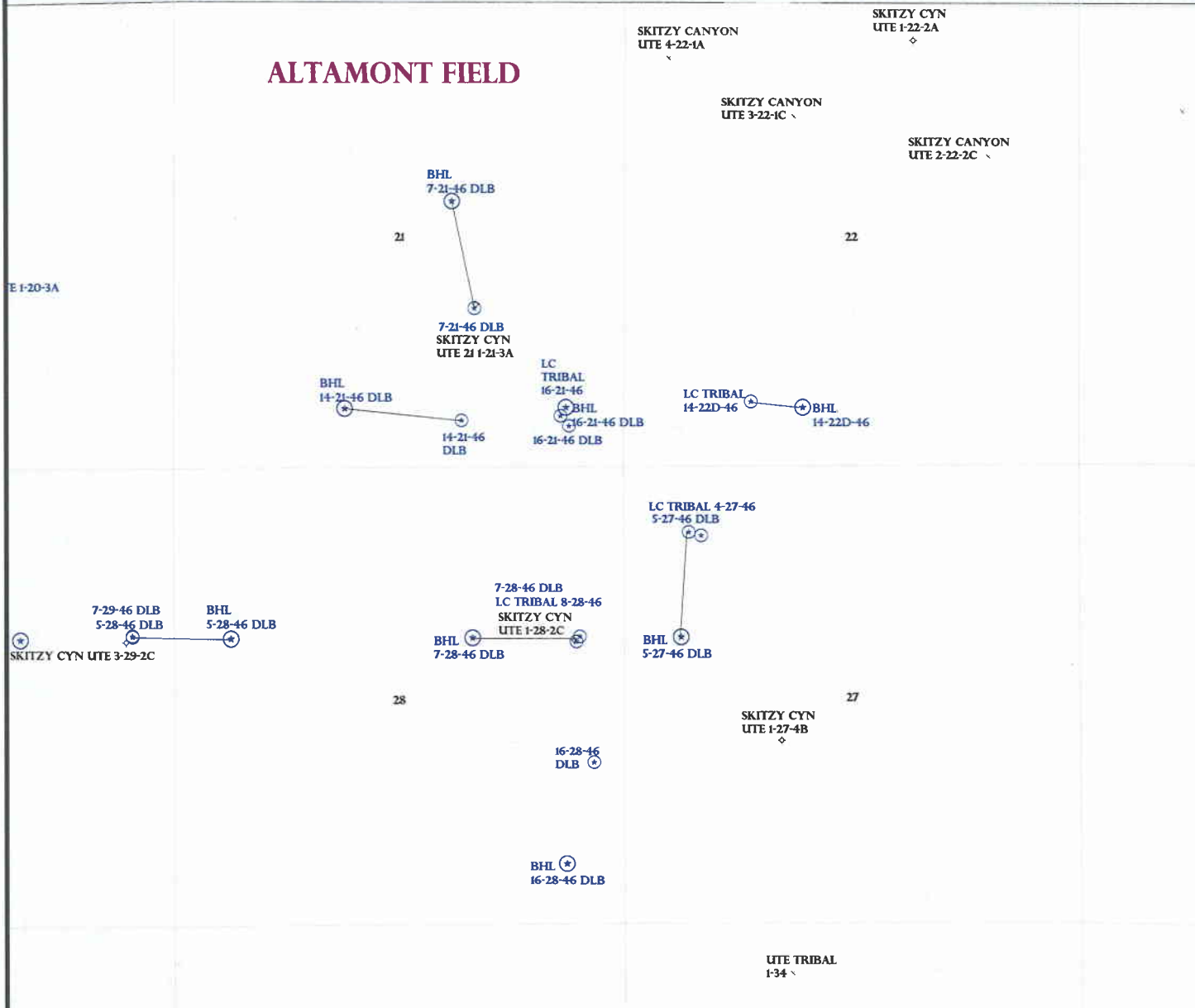
✓ R649-3-11. Directional Drill

COMMENTS: ___

STIPULATIONS: 1- federal approval
2- Spacing Slip

T4S R6W

ALTAMONT FIELD



OPERATOR: BILL BARRETT CORP (N2165)

SEC: 21,28 T.4S R. 6W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 7-MAY-2007

RECEIVED
MAY 0 2 2007
DIV. OF OIL, GAS & MINING

Bill Barrett Corporation

April 27, 2007

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 **#16-21-46 DLB Well**
Surface: 446' FSL & 625' FEL - SESE, 21-T4S-R6W
Bottom Hole: 600' FSL & 600' FEL - SESE, 21-T4S-R6W
Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-11, pertaining to Directional Drilling and the Location and Siting of Wells.

- The above-mentioned 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 and also minimize surface disturbance.
- BBC hereby certifies it owns a working interest along with Berry Petroleum Company, and together we own 100% of the working interest within 460 feet of the entire directional well bore.
- Our ownership rights under our Exploration and Development Agreement with the Ute Indian Tribe and UDC provides for the drilling of exploratory wells. Said agreement provides that we consult with these owners regarding the drilling of this well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8546.

Sincerely,

Reed Haddock
Permit Analyst

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

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

May 7, 2007

Bill Barrett Corporation
1099 18th St., Ste. 2300
Denver, CO 80202

Re: 16-21-46 DLB Well, Surface Location 446' FSL, 625' FEL, SE SE, Sec. 21, T. 4 South, R. 6 West, Bottom Location 660' FSL, 660' FEL, SE SE, Sec. 21, T. 4 South, R. 6 , Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-013-33632.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Bill Barrett Corporation

Well Name & Number 16-21-46 DLB

API Number: 43-013-33632

Lease: 14-20-H62-5500

Surface Location: SE SE **Sec.** 21 **T.** 4 South **R.** 6 West

Bottom Location: SE SE **Sec.** 21 **T.** 4 South **R.** 6 West

Conditions of Approval

1. **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.

2. **Notification Requirements**

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

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

5. 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.

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED
VERNAL FIELD OFFICE
2007 MAY -2 PM 2:46
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT.

Form 3160-3
(April 2004)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☑ DRILL ☐ REENTER	5. Lease Serial No. **BIA 14-20-H62-5500**
1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone	6. If Indian, Allotee or Tribe Name **UTE INDIAN TRIBE**
2. Name of Operator **BILL BARRETT CORPORATION**	7. If Unit or CA Agreement, Name and No. **N/A**
3a. Address **1099 18th Street, Suite 2300 Denver CO 80202** 3b. Phone No. *(include area code)* **(303) 312-8546**	8. Lease Name and Well No. **# 16-21-46 DLB**
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface **SESE, 446' FSL, 625' FEL** At proposed prod. zone **SESE, 660' FSL, 660' FEL**	9. API Well No. **43-013-33632**
	10. Field and Pool, or Exploratory **Altamont**
	11. Sec., T. R. M. or Blk. and Survey or Area **Section 21-T4S-R6W U.S.B.&M.**
14. Distance in miles and direction from nearest town or post office* **Approximately 12.5 miles southwest of Duchesne, Utah**	12. County or Parish **Duchesne** 13. State **UT**

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **446' SHL; 660' BHL**	16. No. of acres in lease **N/A**	17. Spacing Unit dedicated to this well **40**
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **1,800' abandoned well**	19. Proposed Depth **9529' MD**	20. BLM/BIA Bond No. on file **Nationwide Bond #WYB000040**
21. Elevations (Show whether DF, KDB, RT, GL, etc.) **7157' ungraded ground**	22. Approximate date work will start* **07/01/2007**	23. Estimated duration **45 days**

24. Attachments

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

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

25. Signature Reed Haddock	Name *(Printed/Typed)* **Reed Haddock**	Date **04/30/2007**
Title **Permit Analyst**		
Approved by *(Signature)*	Name *(Printed/Typed)* Jerry Kenczka	Date 6-5-2007
Title Assistant Field Manager Lands & Mineral Resources	Office **VERNAL FIELD OFFICE**	

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

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.

**(Instructions on page 2)*

RECEIVED
JUN 13 2007
DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Bill Barrett Corporation**	**Location:**	**SESE, Sec. 21, T4S, R6W**
Well No:	**16-21-46 DLB**	**Lease No:**	**BIA 14-20-H62-5500**
API No:	**43-013 - 33632**	**Agreement:**	**N/A**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	
		Fax: (435) 781-4410	

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	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	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.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify 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)

Surface COAs:

General Conditions of Approval

- A 92.46' by 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.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- 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.
- The Company will implement "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 and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- 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.

Additional Conditions of Approval

- Paint tanks Olive Black.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- Use 1" tubing to cement top 100 feet of surface casing with class G neat cement (1.18 cubic feet per sack).
- 5M BOPE shall be required, when drilling out surface casing shoe. The 5M BOPE shall meet all requirements of Onshore Order #2 including testing requirements.
- The top of the production casing cement shall extend a minimum of 200 feet above the 9 5/8 inch surface casing shoe.
- All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the internal yield strength of the casing.
- A formation integrity test shall be performed at the 9 5/8 inch casing shoe after drilling 20 feet or less.

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.
- 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.

- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- 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

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: BIA 14-20-H62-5500

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: # 16-21-46 DLB

2. NAME OF OPERATOR: BILL BARRETT CORPORATION

9. API NUMBER: 4301333632

3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8546

10. FIELD AND POOL, OR WILDCAT: ALTAMONT

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 446' FSL x 625' FEL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 21 T4S R6W

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD EXTENSION
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

BILL BARRETT CORPORATION (BBC) REQUESTS A ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON MAY 7, 2007 AND EXPIRES MAY 7, 2008.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-06-08

By:

COPY SENT TO OPERATOR
Date: 5·7·2008
Initials: KS

NAME (PLEASE PRINT) REED HADDOCK TITLE PERMIT ANALYST

SIGNATURE Reed Haddock DATE 5/1/2008

(This space for State use only)

RECEIVED
MAY 06 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4301333632
Well Name: 16-21-46 DLB
Location: 446' FSL, 625' FEL, SESE, SEC. 21, T4S, R6W
Company Permit Issued to: BILL BARRETT CORPORATION
Date Original Permit Issued: 5/7/2007

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 right-of-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☐

Reed Haddock
Signature

5/1/2008
Date

Title: PERMIT ANALYST

Representing: BILL BARRETT CORPORATION

RECEIVED
MAY 06 2008
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: BIA 14-20-H62-5500
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
7. UNIT or CA AGREEMENT NAME: N/A
8. WELL NAME and NUMBER: #16-21-46 DLB
9. API NUMBER: 4301333632
10. FIELD AND POOL, OR WILDCAT: ALTAMONT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
2. NAME OF OPERATOR: BILL BARRETT CORPORATION
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 312-8168
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 446' FSL, 625' FEL COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 21 T4S R6W STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD EXTENSION
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

BILL BARRETT CORPORATION (BBC) REQUESTS AN ADDITIONAL ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORGINAL APD WAS APPROVED ON MAY 7, 2007, THE PREVIOUS PERMIT EXTENSION WAS FILED ON MAY 1, 2008 AND EXPIRES ON MAY 6, 2009.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-11-09
By:

COPY SENT TO OPERATOR
Date: 5.12.2009
Initials: KS

NAME (PLEASE PRINT) Matt Barber TITLE Permit Analyst
SIGNATURE Matt Barber DATE 4/30/2009

(This space for State use only)

RECEIVED
MAY 06 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

RESET

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4301333632
Well Name: #16-21-46 DLB
Location: 446' FSL, 625' FEL, SESE, Sec. 21, T4S-R6W
Company Permit Issued to: Bill Barrett Corporation
Date Original Permit Issued: 5/7/2007

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 right-of-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☐

Matt Barber
Signature

4/30/2009
Date

Title: Permit Analyst

Representing: Bill Barrett Corporation

RECEIVED
MAY 06 2009
DIV. OF OIL, GAS & MINING

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District-Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410
http://www.blm.gov/ut/st/en/fo/vernal.html

IN REPLY REFER TO:
3160
UTG011

August 6, 2009

Matt Barber
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

43 013 33632

Re: Notice of Expiration
Well No. 16-21-46 DLB
SESE, Sec. 21, T4S, R6W
Duchesne County, Utah
Lease No. 14-20-H62-5500

Dear Mr. Barber:

The Application for Permit to Drill for the above-referenced well was approved on June 5, 2007. No extension of the original APD was requested. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-3428.

Sincerely,

Robin R. Hansen

Robin R. Hansen
Legal Instruments Examiner

cc: UDOGM
BIA
Ute Tribe

RECEIVED
SEP 15 2009
DIV. OF OIL, GAS & MINING

API Well No: 43013336320000

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: 16-21-46 DLB

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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

PHONE NUMBER: 303 312-8128 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 5/6/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

As per conversation between Brad Hill (DOGM Permitting Manager) and Tracey Fallang (BBC Permit Specialist) on May 6, 2010, BBC has been granted an additional year extension on the APD for this location. The original APD was approved on May 7, 2007. The previous permit extension expires on May 7, 2010.

Approved by the Utah Division of Oil, Gas and Mining

Date: May 10, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matt Barber	303 312-8168	Permit Analyst
SIGNATURE N/A		**DATE** 5/6/2010

RECEIVED May 06, 2010

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 43013336320000

API: 43013336320000
Well Name: 16-21-46 DLB
Location: 0446 FSL 0625 FEL QTR SESE SEC 21 TWNP 040S RNG 060W MER U
Company Permit Issued to: BILL BARRETT CORP
Date Original Permit Issued: 5/7/2007

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**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Matt Barber **Date:** 5/6/2010
Title: Permit Analyst **Representing:** BILL BARRETT CORP

Date: May 10, 2010
By: Dustin Doucet

RECEIVED May 06, 2010

API Well No: 43013336320000

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: 16-21-46 DLB

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 6/15/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	✓ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Bill Barrett Corporation is submitting this revised information based on changes proposed for this well, including the total depth, casing and cementing program and revisions to the surface use plan. Some information is below and additional details are attached. New TD: 7525 ft, Lease No. Correction: 14-20-H62-6108, Surface Csg Depth: 1100 ft If you have any questions, please contact me at 303-312-8134

Accepted by the Utah Division of Oil, Gas and Mining

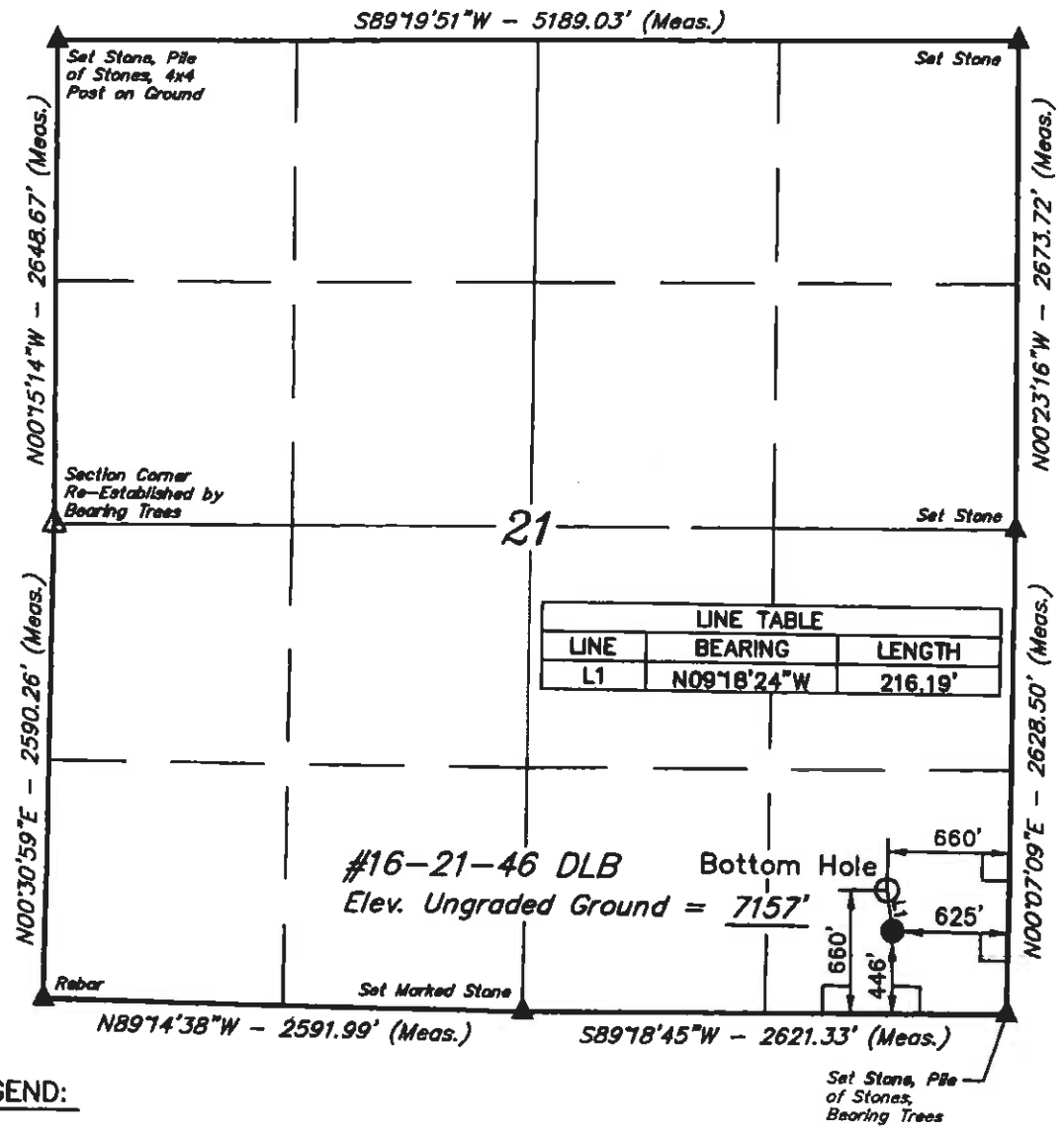
Date: October 14, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Tracey Fallang	303 312-8134	Regulatory Manager
SIGNATURE N/A		**DATE** 10/14/2010

RECEIVED October 14, 2010

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



LINE TABLE		
LINE	BEARING	LENGTH
L1	N09°18'24"W	216.19'

BILL BARRETT CORPORATION

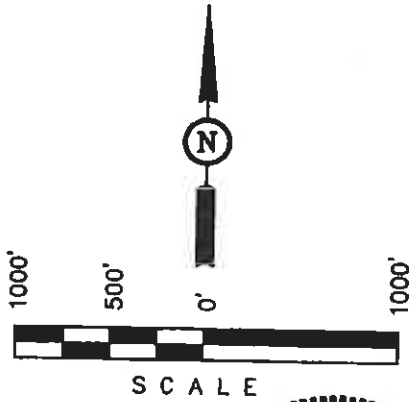
Well location, #16-21-46 DLB, located as shown in the SE 1/4 SE 1/4 of Section 21, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

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.



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 04-26-07

LEGEND:

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

(NAD 83)
LATITUDE = 40°06'45.25" (40.112569)
LONGITUDE = 110°33'38.50" (110.560694)
(NAD 27)
LATITUDE = 40°06'45.40" (40.112611)
LONGITUDE = 110°33'35.94" (110.559983)

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	04-09-07	04-12-07
PARTY: D.S. B.B. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: BILL BARRETT CORPORATION	

RECEIVED October 14, 2010

BILL BARRETT CORPORATION

#16-21-46 DLB

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 21, T4S, R6W, U.S.B.&M.

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHERLY**

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com
- Since 1964 -

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	PHOTO
TAKEN BY: D.S.	DRAWN BY: C.P.	REVISED: 00-00-00		

RECEIVED October 14, 2010

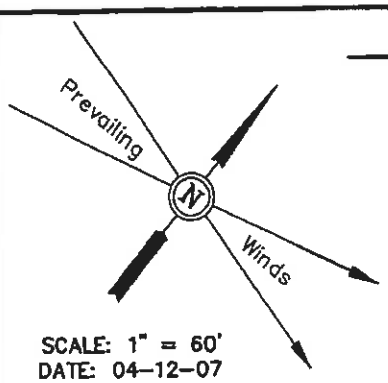
Proposed Facility Layout

BILL BARRETT CORPORATION

FIGURE #1

LOCATION LAYOUT FOR

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL



SCALE: 1" = 60'
DATE: 04-12-07
DRAWN BY: P.M.

NOTES:

Elev. Ungraded Ground At Loc. Stake = 7156.9'
FINISHED GRADE ELEV. AT LOC. STAKE = 7155.6'

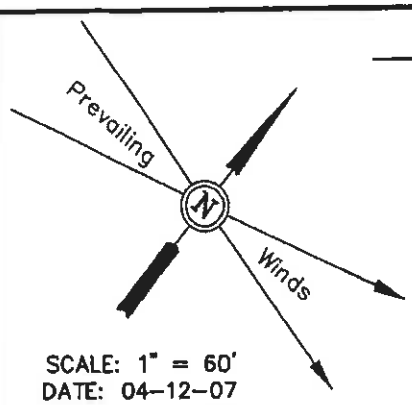
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

BILL BARRETT CORPORATION

FIGURE #1

LOCATION LAYOUT FOR

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL



SCALE: 1" = 60'
DATE: 04-12-07
DRAWN BY: P.M.

F-0.6'
El. 55.0'

Existing Road

Proposed Road Re-Route

F-0.8'
El. 54.8'

Sta. 3+75

C-1.9'
El. 57.5'

DATA

175'

F-5.0'
El. 50.6'

F-4.7'
El. 50.9'

CATWALK

PIPE RACKS

100'

Topsoil Stockpile

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L KAY
STATE OF UTAH

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

Flare Pit

75'

El. 56.0'
C-0.4'

C-1.3'
El. 56.9'

El. 56.5'
C-8.9'
(Btm. Pit)

100'

10

45'

DOG HOUSE

125'

Sta. 2+00

F-0.5'
El. 55.1'

C-0.7
El. 56.3'

RIG

WATER

TRAILER

PUMP

MUD SHED

TOILET

RESERVE PIT
8' DEEP

MUD TANKS

HOPPER

POWER

TOOLS

FUEL

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH/DIKE

200'

1 1/2:1 Slope

Total Pit Capacity
W/2' of Freeboard
= 16,830 Bbls.±
Total Pit Volume
= 4,920 Cu. Yds

Sta. 0+50

200'

Approx. Toe of Fill Slope

STORAGE TANK

C-6.7'
El. 62.3'

C-4.9'
El. 60.5'

TRASH

El. 60.5'
C-12.9'
(Btm. Pit)

Sta. 0+00

C-6.7'
El. 62.3'

Proposed Access Road

F-2.4'
El. 53.2'

Approx. Top of Cut Slope

NOTES:

Elev. Ungraded Ground At Loc. Stake = 7156.9'

FINISHED GRADE ELEV. AT LOC. STAKE = 7155.6'

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

BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

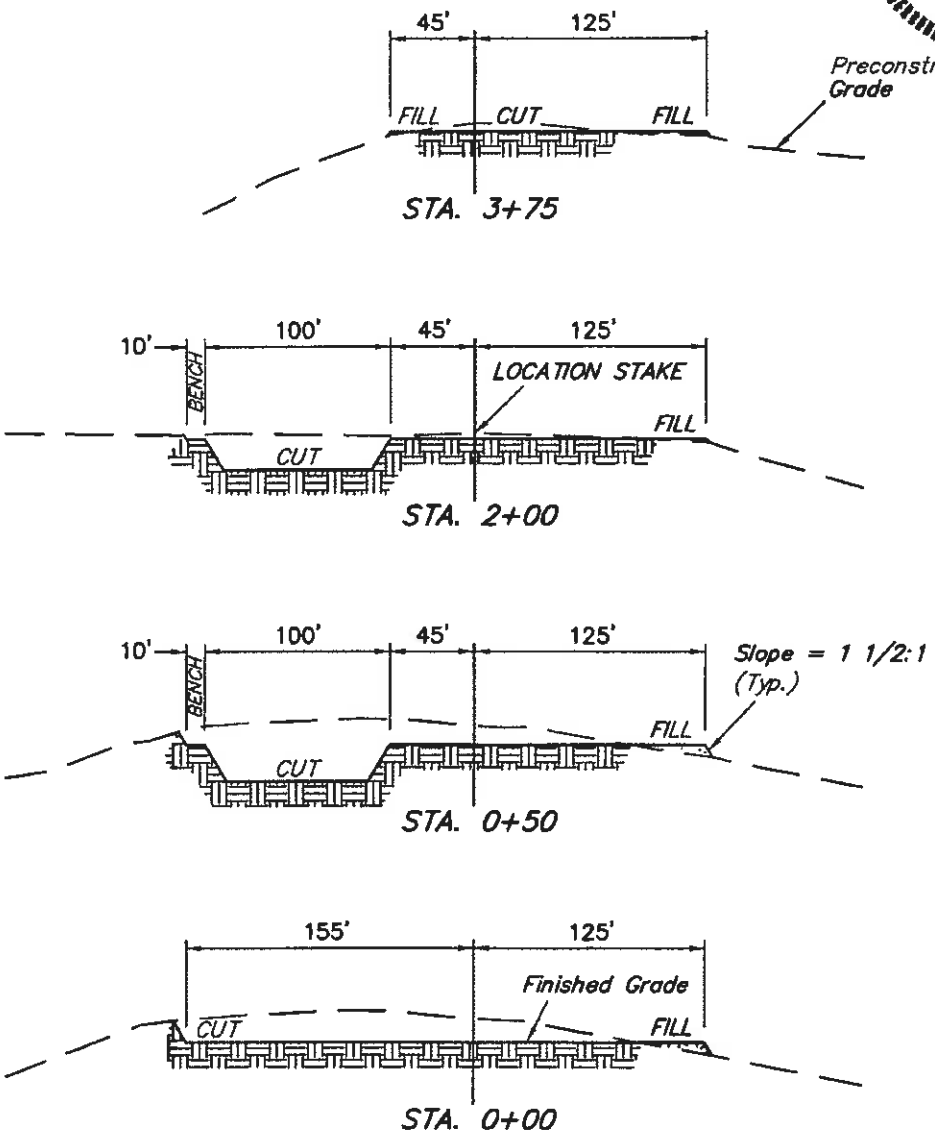
#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

FIGURE #2

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

DATE: 04-12-07
DRAWN BY: P.M.

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH



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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

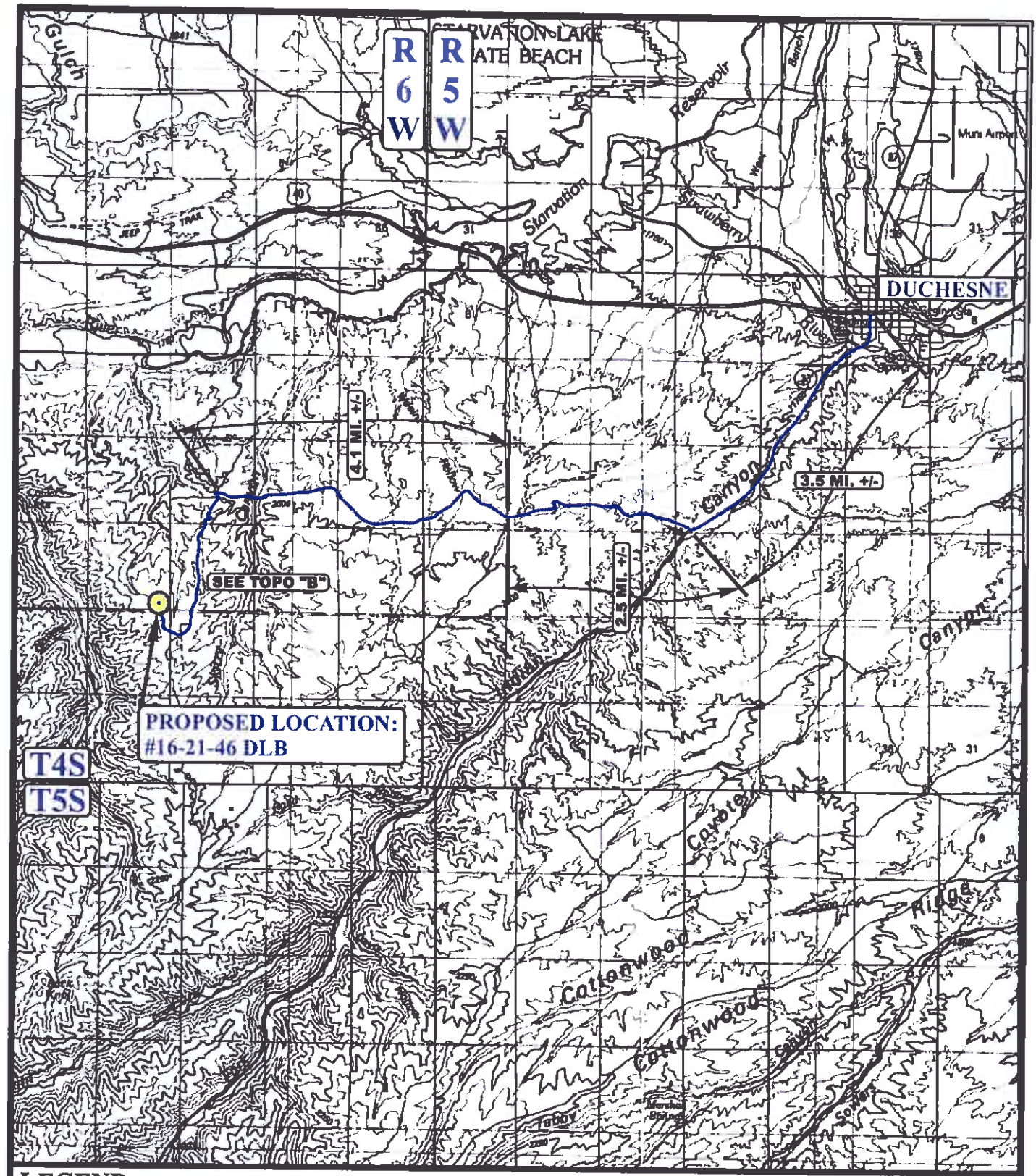
APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 3,830 Cu. Yds.
Remaining Location = 9,160 Cu. Yds.

TOTAL CUT = 12,990 CU.YDS.
FILL = 3,590 CU.YDS.

EXCESS MATERIAL = 9,400 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 6,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 3,110 Cu. Yds.

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



LEGEND:

⊙ PROPOSED LOCATION

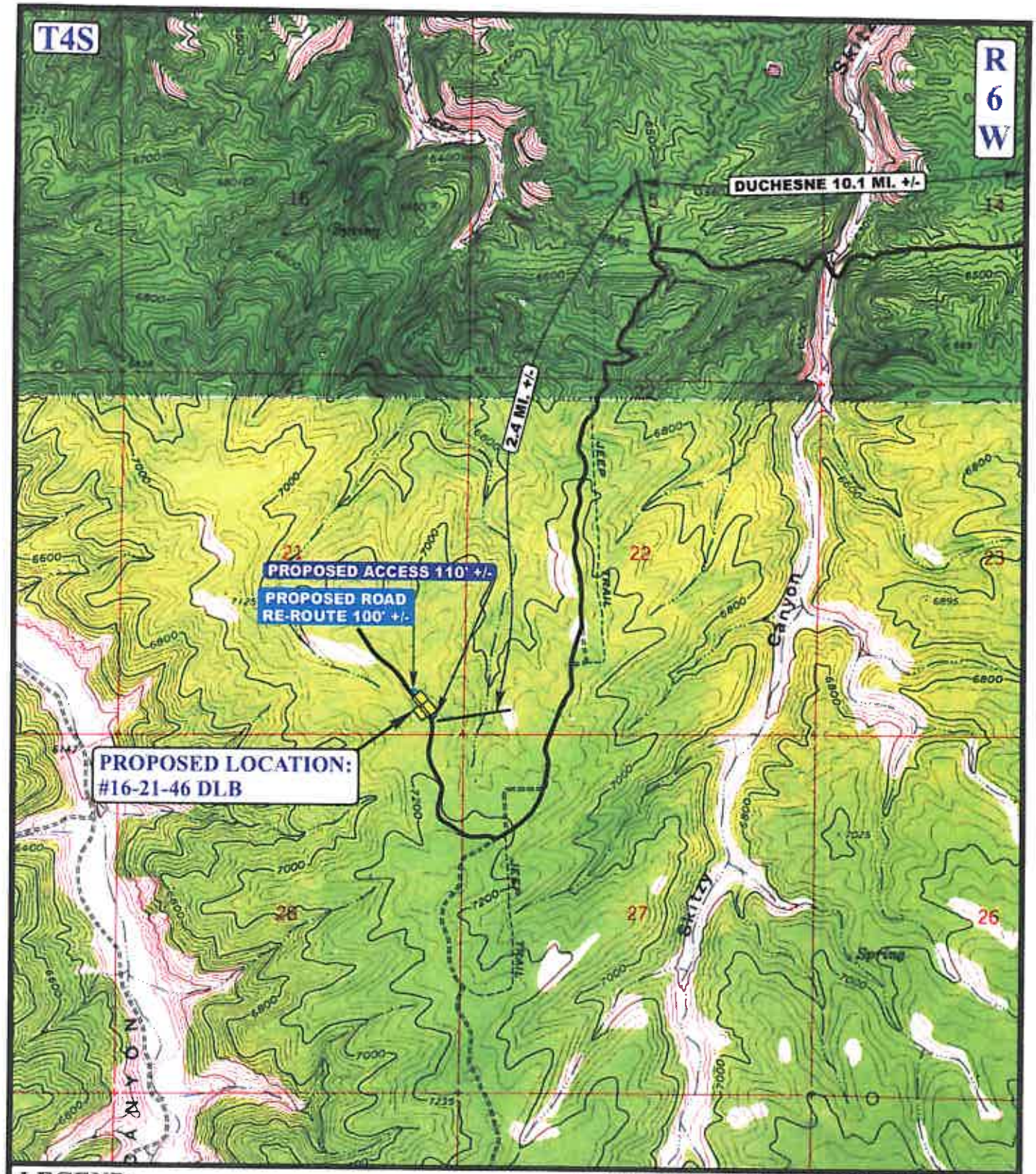
N

BILL BARRETT CORPORATION

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

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

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

PROPOSED ROAD RE-ROUTE

N

BILL BARRETT CORPORATION

#16-21-46 DLB

SECTION 21, T4S, R6W, U.S.B.&M.

446' FSL 625' FEL

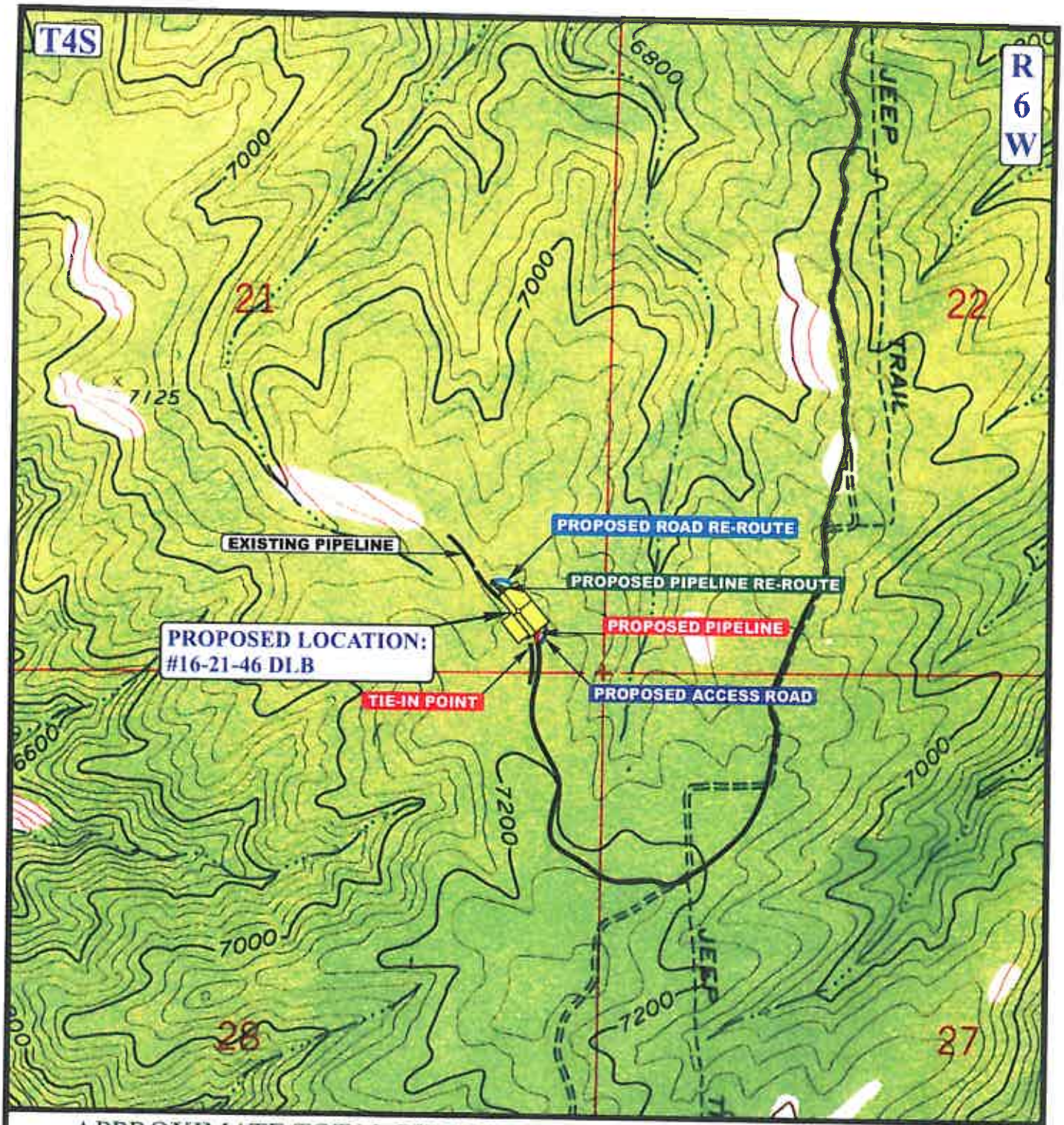
Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		

RECEIVED October 14, 2010



APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 114' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 86' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE RE-ROUTE
- PROPOSED ROAD RE-ROUTE

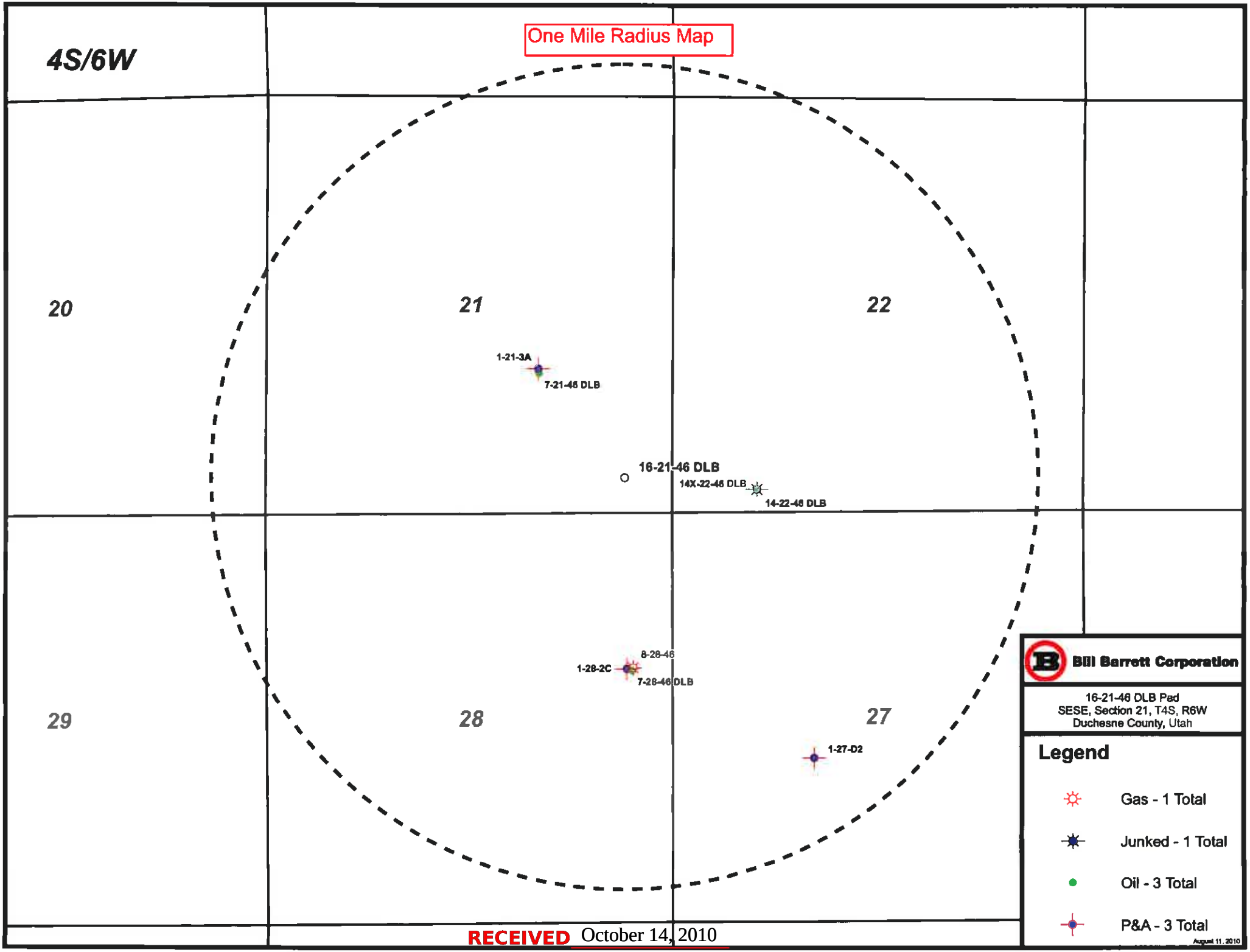
N

BILL BARRETT CORPORATION

#16-21-46 DLB
SECTION 21, T4S, R6W, U.S.B.&M.
446' FSL 625' FEL

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

TOPOGRAPHIC MAP	04 MONTH	18 DAY	07 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 00-00-00		



RECEIVED October 14, 2010

DRILLING PLAN

BILL BARRETT CORPORATION

16-21-46 DLB

SHL: SESE, 446' FSL & 625' FEL, Section 21, T4S, R6W

BHL: SESE, 660' FSL & 660' FEL, Section 21, T4S, R6W

Duchesne County, Utah

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

Formation	MD	TVD
Green River	1961'	1961'
Douglas Creek	4574'	4566'
Black Shale	5377'	5366'
Castle Peak	5542'*	5531'
Wasatch	6027' *	6016'
TD	7325'	7315'

*PROSPECTIVE PAY

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

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 1,100'	No pressure control required
1,100' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
26"	surface	80'	16"	65#			
12 ¼"	surface	1,100'	9 5/8"	36#	J or K 55	ST&C	New
8 ¾" & 7 7/8"	surface	7,325'	5 ½"	17#	N or I 80	LT&C	New

5. Cementing Program

16" Conductor Casing	Grout cement
9 5/8" Surface Casing	Approximately 120 sx Halliburton Light Premium cement with additives mixed at 11.0 ppg (yield = 3.16 ft^3/sx) circulated to surface with 75% excess. Approximately 210 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft^3/sx).
5 ½" Production Casing	Approximately 880 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft^3/sx). Approximately 540 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft^3/sx). Estimated TOC = surface.

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
40' – 1,100'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,100' – TD	8.6 – 10.6	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 4,032 psi* and maximum anticipated surface pressure equals approximately 2,423 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

9. Auxiliary equipment

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

10. Location and Type of Water Supply

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

11. Drilling Schedule

Location Construction:	Approximately June 15, 2011
Spud:	Approximately June 30, 2011
Duration:	20 days drilling time
	45 days completion time

PRESSURE CONTROL EQUIPMENT – Schematic Attached

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

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

B. Pressure Rating: 3,000 psi

C. Testing Procedure:

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

D. Choke Manifold Equipment:

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

E. Accumulator:

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

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

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

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

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

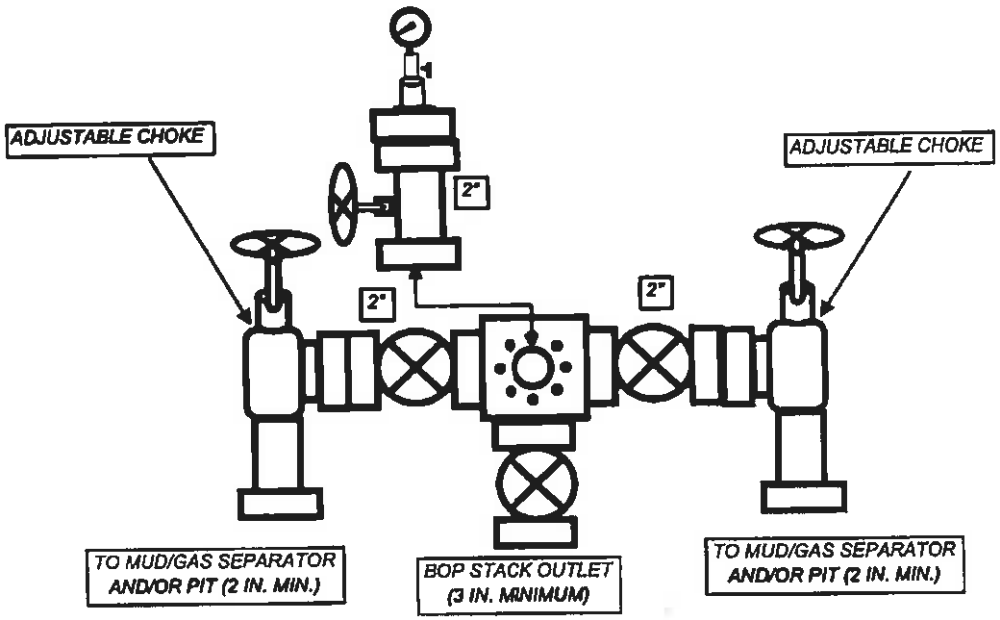
F. Miscellaneous Information:

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

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

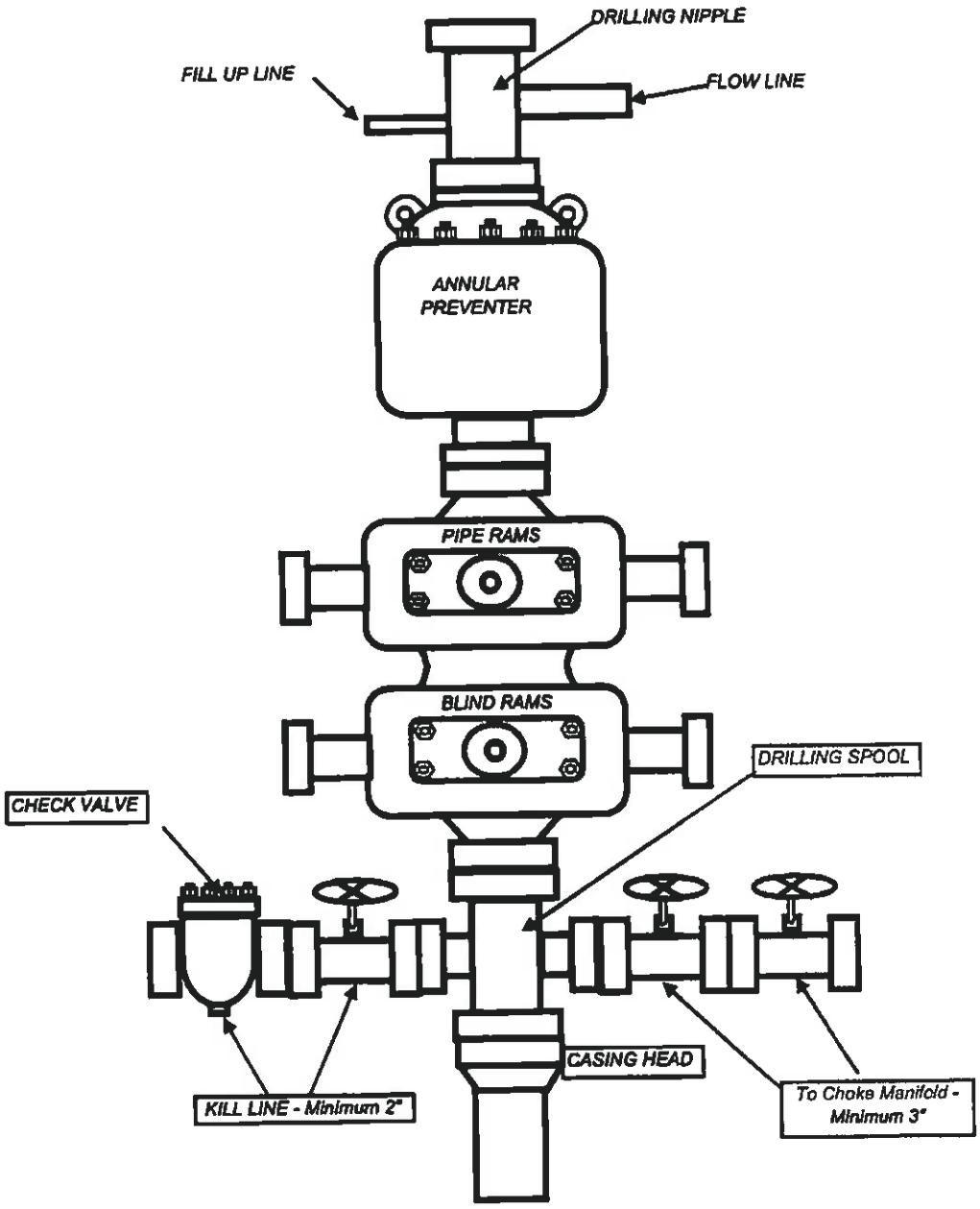
BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. CHOKE MANIFOLD



BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



Bill Barrett Corporation

LAKE CANYON CEMENT VOLUMES

Well Name: 16-21-46 DLB

Surface Hole Data:

Total Depth:	1,100'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	328.8	ft^3
Lead Fill:	600'	
Tail Volume:	274.0	ft^3
Tail Fill:	500'	

Cement Data:

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

Tail Yield:	1.36	ft^3/sk
% Excess:	75%	
Top of Tail:	600'	

Calculated # of Sacks:

# SK's Lead:	120
# SK's Tail:	210

Production Hole Data:

Total Depth:	7,325'
Top of Cement:	0'
Top of Tail:	5,325'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	2017.6	ft^3
Lead Fill:	5,325'	
Tail Volume:	757.9	ft^3
Tail Fill:	2,000'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	880
# SK's Tail:	540

16-21-46 DLB Proposed Cementing Program

Job Recommendation — **Surface Casing**

Lead Cement - (600' - 0')

Halliburton Light Premium
5.0 lbm/sk Silicalite Compacted
0.25 lbm/sk Kwik Seal
0.125 lbm/sk Poly-E-Flake
2.0% Bentonite

Fluid Weight:	11.0	lbm/gal
Slurry Yield:	3.16	ft^3/sk
Total Mixing Fluid:	19.48	Gal/sk
Top of Fluid:	0'	
Calculated Fill:	600'	
Volume:	58.57	bbl
Proposed Sacks:	**120**	**sks**

Tail Cement - (TD - 600')

Premium Cement
2.0% Calcium Chloride

Fluid Weight:	14.8	lbm/gal
Slurry Yield:	1.36	ft^3/sk
Total Mixing Fluid:	6.37	Gal/sk
Top of Fluid:	600'	
Calculated Fill:	500'	
Volume:	48.80	bbl
Proposed Sacks:	**210**	**sks**

Job Recommendation — **Production Casing**

Lead Cement - (5325' - 0')

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:	0'	
Calculated Fill:	5,325'	
Volume:	359.32	bbl
Proposed Sacks:	**880**	**sks**

Tail Cement - (7325' - 5325')

Econocem™ System
0.125 lbm/sk Poly-E-Flake
1.0 lbm/sk Granulite TR 1/4

Fluid Weight:	13.5	lbm/gal
Slurry Yield:	1.42	ft^3/sk
Total Mixing Fluid:	6.61	Gal/sk
Top of Fluid:	5,325'	
Calculated Fill:	2,000'	
Volume:	134.97	bbl
Proposed Sacks:	**540**	**sks**

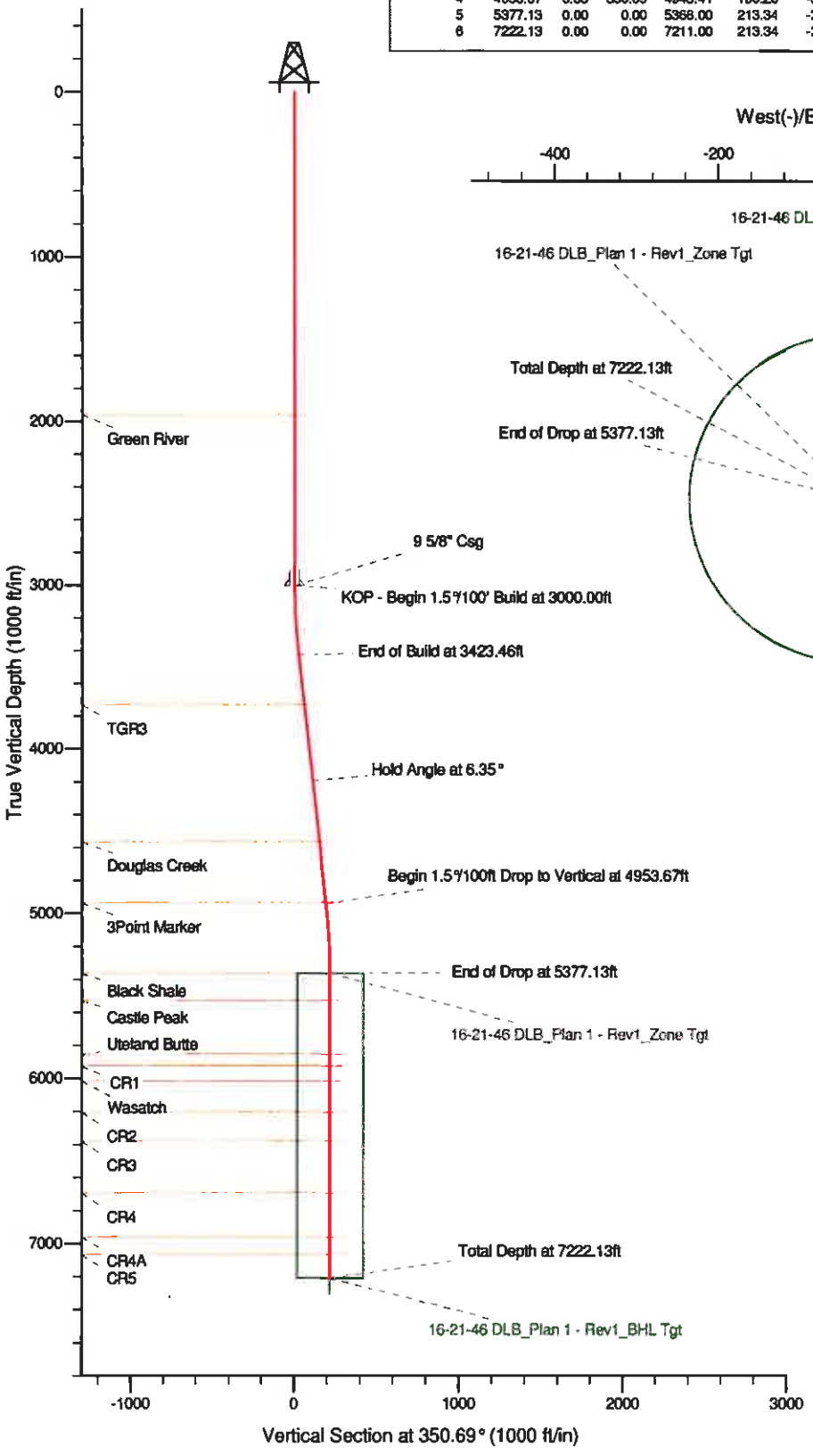
Project: Duchesne County, UT (NAD 1927)
Site: Sec. 21-T4S-R6W
Well: #16-21-46 DLB
Wellbore: Plan #1 - Rev1
Plan: Plan #1 - Rev1 Proposal

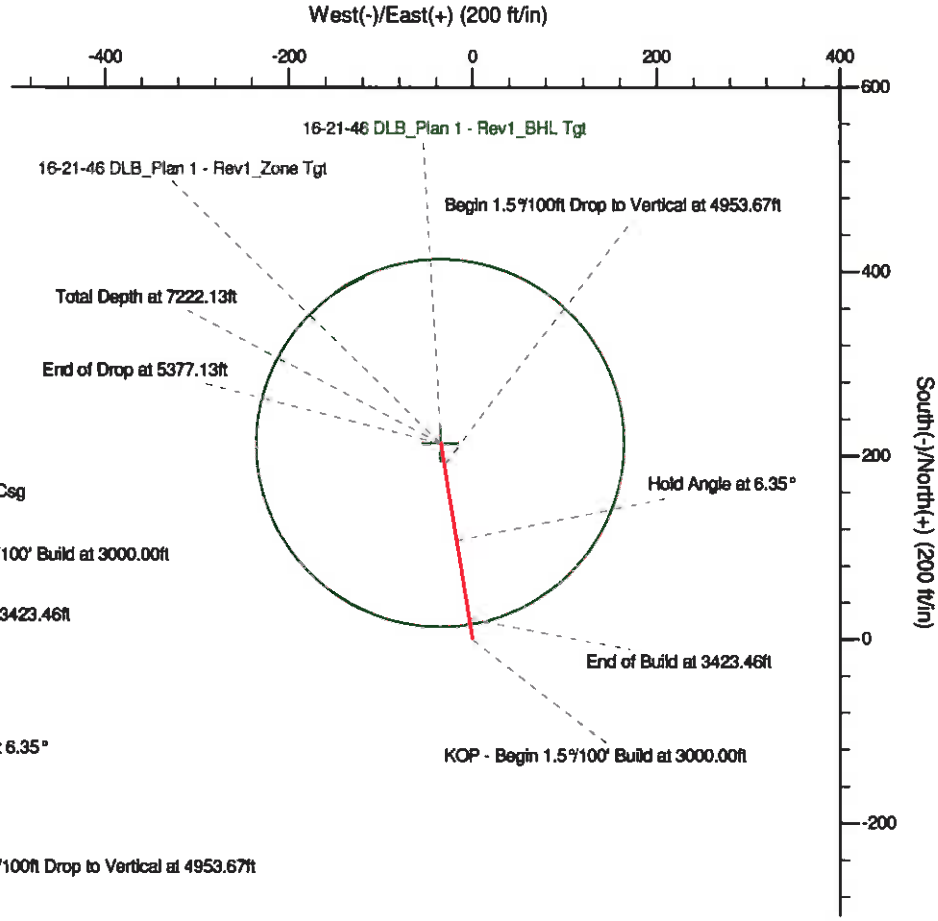
Bill Barrett Corp

HALLIBURTON
Sperry Drilling

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	
3	3423.46	6.35	350.69	3422.59	23.14	-3.79	1.50	350.69	23.45	
4	4953.67	6.35	350.69	4943.41	180.20	-31.17	0.00	0.00	182.74	
5	5377.13	0.00	0.00	5366.00	213.34	-34.96	1.50	180.00	216.19	16-21-46 DLB_Plan 1 - Rev1_Zone Tgt
6	7222.13	0.00	0.00	7211.00	213.34	-34.96	0.00	0.00	216.19	16-21-46 DLB_Plan 1 - Rev1_BHL Tgt





WELL DETAILS: #16-21-46 DLB

Ground Level: 7156.00

Northing	Easting	Latitude	Longitude
649445.23	2262903.43	40° 6' 45.399 N	110° 33' 35.939 W

PROJECT DETAILS: Duchesne County, UT (NAD 1927)

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

System Datum: Mean Sea Level

Plan: Plan #1 - Rev1 Proposal (#16-21-46 DLB/Plan #1 - Rev1)

Created By: Jay Lantz Date: 16:47, October 08 2010

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

Plan Report for #16-21-46 DLB - Plan #1 - Rev1 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,961.00	0.00	0.00	1,961.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River										
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Begin 1.5°/100' Build at 3000.00ft - 9 5/8" Csg										
3,100.00	1.50	350.69	3,099.99	1.29	-0.21	1.31	1.50	1.50	0.00	350.69
3,200.00	3.00	350.69	3,199.91	5.17	-0.85	5.23	1.50	1.50	0.00	0.00
3,300.00	4.50	350.69	3,299.69	11.62	-1.90	11.77	1.50	1.50	0.00	0.00
3,400.00	6.00	350.69	3,399.27	20.65	-3.38	20.92	1.50	1.50	0.00	0.00
3,423.46	6.35	350.69	3,422.59	23.14	-3.79	23.45	1.50	1.50	0.00	0.00
End of Build at 3423.46ft										
3,500.00	6.35	350.69	3,498.66	31.50	-5.16	31.92	0.00	0.00	0.00	0.00
3,600.00	6.35	350.69	3,598.05	42.41	-6.95	42.98	0.00	0.00	0.00	0.00
3,700.00	6.35	350.69	3,697.44	53.33	-8.74	54.04	0.00	0.00	0.00	0.00
3,733.77	6.35	350.69	3,731.00	57.02	-9.34	57.78	0.00	0.00	0.00	0.00
TGR3										
3,800.00	6.35	350.69	3,796.82	64.25	-10.53	65.11	0.00	0.00	0.00	0.00
3,900.00	6.35	350.69	3,896.21	75.17	-12.32	76.17	0.00	0.00	0.00	0.00
4,000.00	6.35	350.69	3,995.59	86.09	-14.11	87.23	0.00	0.00	0.00	0.00
4,100.00	6.35	350.69	4,094.98	97.00	-15.90	98.30	0.00	0.00	0.00	0.00
4,200.00	6.35	350.69	4,194.37	107.92	-17.69	109.36	0.00	0.00	0.00	0.00
Hold Angle at 6.35°										
4,300.00	6.35	350.69	4,293.75	118.84	-19.47	120.42	0.00	0.00	0.00	0.00
4,400.00	6.35	350.69	4,393.14	129.76	-21.26	131.49	0.00	0.00	0.00	0.00
4,500.00	6.35	350.69	4,492.52	140.67	-23.05	142.55	0.00	0.00	0.00	0.00
4,573.93	6.35	350.69	4,566.00	148.75	-24.38	150.73	0.00	0.00	0.00	0.00
Douglas Creek										
4,600.00	6.35	350.69	4,591.91	151.59	-24.84	153.61	0.00	0.00	0.00	0.00
4,700.00	6.35	350.69	4,691.30	162.51	-26.63	164.68	0.00	0.00	0.00	0.00

Plan Report for #16-21-46 DLB - Plan #1 - Rev1 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
4,800.00	6.35	350.69	4,790.68	173.43	-28.42	175.74	0.00	0.00	0.00	0.00
4,900.00	6.35	350.69	4,890.07	184.34	-30.21	186.80	0.00	0.00	0.00	0.00
4,946.21	6.35	350.69	4,936.00	189.39	-31.04	191.92	0.00	0.00	0.00	0.00
3Point Marker										
4,953.67	6.35	350.69	4,943.41	190.20	-31.17	192.74	0.00	0.00	0.00	0.00
Begin 1.5°/100ft Drop to Vertical at 4953.67ft										
5,000.00	5.66	350.69	4,989.49	194.99	-31.95	197.59	1.50	-1.50	0.00	180.00
5,100.00	4.16	350.69	5,089.12	203.43	-33.34	206.14	1.50	-1.50	0.00	180.00
5,200.00	2.66	350.69	5,188.94	209.29	-34.30	212.08	1.50	-1.50	0.00	180.00
5,300.00	1.16	350.69	5,288.88	212.58	-34.84	215.41	1.50	-1.50	0.00	180.00
5,377.13	0.00	0.00	5,366.00	213.34	-34.96	216.19	1.50	-1.50	0.00	180.00
End of Drop at 5377.13ft - Black Shale										
5,400.00	0.00	0.00	5,388.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,488.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
5,542.13	0.00	0.00	5,531.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
Castle Peak										
5,600.00	0.00	0.00	5,588.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,688.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,788.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
5,867.13	0.00	0.00	5,856.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
Uteland Butte										
5,900.00	0.00	0.00	5,888.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
5,937.13	0.00	0.00	5,926.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
CR1										
6,000.00	0.00	0.00	5,988.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,027.13	0.00	0.00	6,016.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
Wasatch										
6,100.00	0.00	0.00	6,088.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,188.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,217.13	0.00	0.00	6,206.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
CR2										
6,300.00	0.00	0.00	6,288.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,392.13	0.00	0.00	6,381.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
CR3										
6,400.00	0.00	0.00	6,388.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,488.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,588.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,688.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,707.13	0.00	0.00	6,696.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
CR4										
6,800.00	0.00	0.00	6,788.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,888.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
6,972.13	0.00	0.00	6,961.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
CR4A										
7,000.00	0.00	0.00	6,988.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
7,077.13	0.00	0.00	7,066.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
CR5										
7,100.00	0.00	0.00	7,088.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,188.87	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
7,222.13	0.00	0.00	7,211.00	213.34	-34.96	216.19	0.00	0.00	0.00	0.00
Total Depth at 7222.13ft										

Plan Report for #16-21-46 DLB - Plan #1 - Rev1 Proposal

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
3,000.00	3,000.00	0.00	0.00	KOP - Begin 1.5°/100' Build at 3000.00ft
3,423.46	3,422.59	23.14	-3.79	End of Build at 3423.46ft
4,200.00	4,194.37	107.92	-17.69	Hold Angle at 6.35°
4,953.67	4,943.41	190.20	-31.17	Begin 1.5°/100ft Drop to Vertical at 4953.67ft
5,377.13	5,366.00	213.34	-34.96	End of Drop at 5377.13ft
7,222.13	7,211.00	213.34	-34.96	Total Depth at 7222.13ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	16-21-46 DLB_Plan 1 - Rev1_BHL Tgt	350.69	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	7,222.13	Plan #1 - Rev1 Proposal	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
3,000.00	3,000.00	9 5/8" Csg	9-5/8	12-1/4

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,961.00	1,961.00	Green River		0.00	
3,733.77	3,731.00	TGR3		0.00	
4,573.93	4,566.00	Douglas Creek		0.00	
4,946.21	4,936.00	3Point Marker		0.00	
5,377.13	5,366.00	Black Shale		0.00	
5,542.13	5,531.00	Castle Peak		0.00	
5,867.13	5,856.00	Uteland Butte		0.00	
5,937.13	5,926.00	CR1		0.00	
6,027.13	6,016.00	Wasatch		0.00	
6,217.13	6,206.00	CR2		0.00	
6,392.13	6,381.00	CR3		0.00	
6,707.13	6,696.00	CR4		0.00	
6,972.13	6,961.00	CR4A		0.00	
7,077.13	7,066.00	CR5		0.00	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
16-21-46 DLB_Plan 1 - Rev1_Zone Tgt	5,366.00	213.34	-34.96	Circle
16-21-46 DLB_Plan 1 - Rev1_BHL Tgt	7,211.00	213.34	-34.96	Point

North Reference Sheet for Sec. 21-T4S-R6W - #16-21-46 DLB - Plan #1 - Rev1

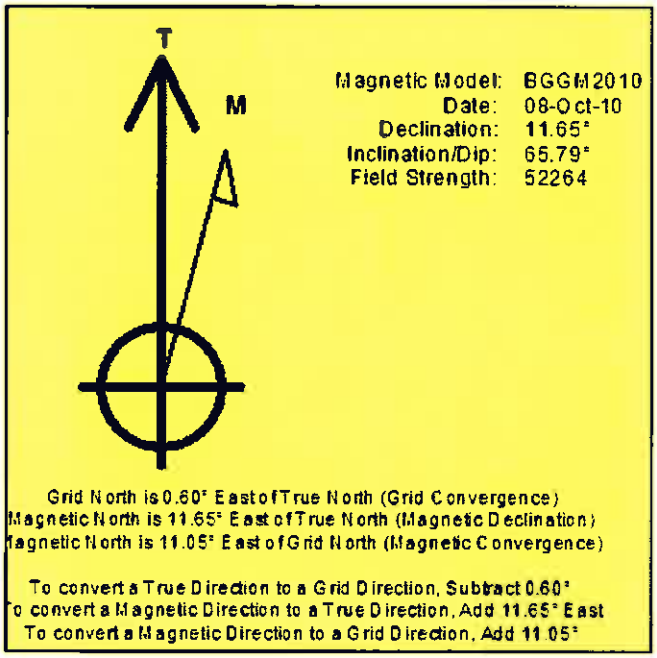
All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.
Vertical Depths are relative to KB @ 7171.00ft (Patterson 506). Northing and Easting are relative to #16-21-46 DLB
Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)
Central Meridian is -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°
False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991053

Grid Coordinates of Well: 649,445.23 ft N, 2,262,903.43 ft E
Geographical Coordinates of Well: 40° 06' 45.40" N, 110° 33' 35.94" W
Grid Convergence at Surface is: 0.60°

Based upon Minimum Curvature type calculations, at a Measured Depth of 7,222.13ft
the Bottom Hole Displacement is 216.19ft in the Direction of 350.69° (True).

Magnetic Convergence at surface is: -11.05° (8 October 2010, , BGGM2010)



SURFACE USE PLAN

BILL BARRETT CORPORATION

16-21-46 DLB Well Pad
SHL: SESE, 446' FSL & 625' FEL, Section 21, T4S, R6W, SLB&M
BHL: SESE, 660' FSL & 660' FEL, Section 21, T4S, R6W, SLB&M
Duchesne County, Utah

The Ute Tribal onsite for this location was conducted on May 8, 2007. This permit was previously approved and expired on June 5, 2009.

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 12.5 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. An existing access to the existing 7-21-46 DLB well pad would be utilized. A portion of this existing access (approximately 100 feet), would be re-routed around this proposed new pad for continued access to the 7-21-46 DLB.

   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 scraper and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.

   d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

   e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed.

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

2. Planned Access Road:

a. The pad area is proposed across the existing access to the 7-21-46 DLB pad. Approximately 110 feet of new access road is proposed entering the southeast of the pad area and 100 feet of access road re-route is proposed leaving the northwest of the pad area (see Topographic Map B).

b. A tribal right of way (ROW) is approved and enclosed (ROW Serial No. H62-2007-192) for the well site and access road (total ROW acreage = 3.152 ac). The road would be constructed to a 30-foot ROW width with an 18-foot travel surface.

c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.

d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.

e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.

f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.

g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.

h. Turnouts are not proposed because the access road is short and adequate site distance exists in all directions.

i. No culverts or low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.

j. No gates or cattle guards are anticipated at this time.

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	four
vii. abandoned wells	four

4. Location of Production Facilities

a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 gal glycol tank, (2) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit with natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See enclosed Facility Layout.

b. Most wells would be fitted with a pump jack to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (75 horsepower or less), natural gas-fired internal combustion engines.

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. One pipeline ROW re-route approximately 114 feet in length and one new proposed pipeline ROW approximately 86 feet in length containing a single steel or polyethylene pipeline up to 10 inch in diameter is proposed (see Topographic Map D). A Tribal ROW is approved and enclosed ROW Serial number H62-2007-193

g. The new segments of gas pipeline would be surface laid line within a 30 foot wide pipeline ROW (0.13 acres).

h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.

i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.

j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Yuma 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. No water supply pipelines would be laid for this well.

b. Water for the drilling and completion would be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W, USB&M.

c. No new water well is proposed with this application.

d. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights. Additionally, the Ute Tribe would be notified of any changes in water supply.

e. Water use would vary in accordance with the formations to be drilled but would be up to approximately 3.64 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 pit would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.

d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.

e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting.

f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

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

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 CO_2 gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.

k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.

l. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

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

8. Ancillary Facilities:

a. Garbage containers and portable toilets would be located on the well pad.

b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

a. The well would be properly identified in accordance with 43 CFR 3162.6.

b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).

c. The pad and road designs are consistent with Ute Tribe specifications.

d. The pad has been staked at its maximum size of 375 feet x 170 feet with an outboard reserve pit size of 100 feet x 200 feet X 8 feet deep.

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. 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.

b. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal. A list of noxious weeds may be obtained from the Ute Tribe, BLM or the appropriate county extension office. On Ute Tribe administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

c. 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.

d. 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.

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

b. Surface use remains in place through Ute Indian Tribe Right-of-Ways H62-2007-192/193.

12. Other Information:

a. Montgomery Archaeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 07-104, dated 4-17-2007.

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

OPERATOR CERTIFICATION

Certification:

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

Executed this	13th day of October 2010
Name:	Tracey Fallang
Position Title:	Regulatory Manager
Address:	1099 18th Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8134
E-mail:	tfallang@billbarrettcorp.com
Field Representative	Kary Eldredge / Bill Barrett Corporation
Address:	1820 W. Highway 40, Roosevelt, UT 84066
Telephone:	435-725-3515 (office); 435-724-6789 (mobile)
E-mail:	keldredge@billbarrettcorp.com

Tracey Fallang

Tracey Fallang, Regulatory Manager

GRANT OF EASEMENT FOR RIGHT-OF-WAY

ROW Serial No. H62-2007-192
TAAMS ID NO.: 6RW2007192
BIA TRANSACTION NO.: 687-13-00192-07
Well Site & Access Roads "A" & "B" – **16-21-46 DLB**

KNOW ALL MEN BY THESE PRESENTS:

That the **UNITED STATES OF AMERICA**, as trustee for UTE INDIAN TRIBE acting by and through the **Superintendent of the Uintah and Ouray Agency**, as "Grantor", under authority contained in 209 DM 8 (39 F.R. 32166), 10 BIAM 3 (34 F.R.637) 230 DM 3 (20 F.R. 992) and Sec. 2.11 (34 F.R. 11109), pursuant and subject to the provisions of the Act of February 5, 1948 Stat. 17, (U.S.C. 323-328), and Part 169, Title 25, Code of Federal Regulations in consideration of:

ZERO, ($0.00) – **As per the terms and conditions contained in the Lake Canyon Exploration & Development Agreement No. 14-20-H62-5500,** which is acknowledged, does hereby grant to:

Bill Barrett Corporation, 1099 18th Street, Suite 2300, Denver, Colorado 80202
Its successors and assignees hereinafter referred to as "Grantee" an easement for right-of-way.

In accordance with the attached proposal survey plat: **For the 16-21-46 DLB**
G.L.O. Plat No. 48325, dated 4/12/2007 for Section 21, Township 4 South, Range 6 West, U.S.B.& M. for the following:

Well Site:	**Located in the SE/4SE/4 of Section 21, being 3.007 acres, m/l,**
Access Road "A":	**Access Road "A" located in the SE/4SE/4 of Section 21, being 117.12' in length, and 30' in width, and 0.081 acres, m/l,**
Access Road "B":	**Access Road "B" located in the SE/4SE/4 of Section 21, being 92.46' in length, and 30' in width, and 0.064 acres, m/l,**
	Total ROW acreage 3.152, m/l

Within the exterior boundaries of the Uintah & Ouray Reservation for the following purposes namely: The construction, maintenance, repair, inspection, protection, operation and removal of the **16-21-46 DLB** together with the necessary appurtenances thereto, on, over and across the land embraced within the right-of-way located in Duchesne County, Utah.

TO HAVE AND TO HOLD said easement and right-of-way unto the Grantee and unto its successors and assigns, together with prior existing right or adverse claim and is for the length of **TWENTY (20) YEARS,** beginning **May 10, 2007,** so long as easement shall actually be used for the purposes above specified. Consideration may be increased at five (5) year intervals if necessary to reflect the existing market prices.

This right-of-way shall be terminable in whole or in part by the grantor for any of the following causes upon 30 days' written notice and failure to the Grantee within said notice period to correct the basis of termination (25 CFR 169.20)

A. Failure to comply with any term or condition of the grant or applicable regulations.
B. A nonuse of the right-of-way for a consecutive two-year period for the purpose for which it was granted.
C. An abandonment of the right-of-way. Failure of the Grantee to file with the Grantor an Affidavit of Completion pursuant to 25 CFR 169.16; Upon completion of construction, or in any case within two years of date of this easement granted in the case construction does not begin or is completed.

The conditions of this easement shall extend to and be binding upon and shall insure to the benefit of the successors and assignees of the Grantee. It has been determined that approval of this document is not such a major federal action significantly affecting the quality of the human environment as to required the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. 4332) (2) (c).

IN WITNESS WHEREOF, Grantor has executed this Grant of Easement for Right-of-Way this **10th** day of **May, 2007** pursuant to authority delegated to the Assistant Secretary – Indian Affairs by 209 DM 8, 230 DM 1, and to the Western Regional Director by 3 IAM 4 (Release No. 99-03), and to the Superintendent/Field Representatives by 10 BIAM 11, as amended by Western Regional Release No. 97-1 an any further delegation needed to effectuate the reorganization embodied in DM Releases dated April, 2003.

UNITED STATES OF AMERICA
U.S. Department of the Interior
Uintah & Ouray Agency
Fort Duchesne, UT 84026

By: _____
Acting Superintendent

ACKNOWLEDGEMENT OF SUPERINTENDENT

STATE OF UTAH)
)ss
COUNTY OF UINTAH)

The foregoing instrument was acknowledged before me this **10th** day of **May, 2007,** by **Diane M. Shaver,** Acting Superintendent for the Bureau of Indian Affairs, Uintah & Ouray Agency.
Witness my hand and official seal.

_____
Sarah A. Jack, Notary Public

My Commission Expires: June 16, 2010

GRANT OF EASEMENT FOR RIGHT-OF-WAY

ROW Serial No. H62-2007-193
TAAMS ID NO.: **6RW2007193**
BIA TRANSACTION NO.: 687-13-00193-07
Pipeline "A" & "B" – **16-21-46 DLB**

KNOW ALL MEN BY THESE PRESENTS:

That the **UNITED STATES OF AMERICA**, as trustee for UTE INDIAN TRIBE acting by and through the **Superintendent of the Uintah and Ouray Agency**, as "Grantor", under authority contained in 209 DM 8 (39 F.R. 32166), 10 BIAM 3 (34 F.R.637) 230 DM 3 (20 F.R. 992) and Sec. 2.11 (34 F.R. 11109), pursuant and subject to the provisions of the Act of February 5, 1948 Stat. 17, (U.S.C. 323-328), and Part 169, Title 25, Code of Federal Regulations in consideration of:

ZERO, ($0.00) – **As per the terms and conditions contained in the Lake Canyon Exploration & Development Agreement No. 14-20-H62-5500,** which is acknowledged, does hereby grant to:

Bill Barrett Corporation, 1099 18th Street, Suite 2300, Denver, Colorado 80202
Its successors and assignees hereinafter referred to as "Grantee" an easement for right-of-way.

In accordance with the attached proposal survey plat: **For the 16-21-46 DLB**
G.L.O. Plat No. 48326, dated 4/12/2007 for Section 21, Township 4 South, Range 6 West, U.S.B.& M. for the following:

Pipeline "A":	**Located in the SE/4SE/4 of Section 21, being 61.28' in length, and 30' in width, and 0.042 acres, m/l,**
Pipeline "B":	**Located in the SE/4SE/4 of Section 21, being 104.91' in length, and 30' in width, and 0.072 acres, m/l,**
	Total ROW acreage 0.114, m/l

Within the exterior boundaries of the Uintah & Ouray Reservation for the following purposes namely: The construction, maintenance, repair, inspection, protection, operation and removal of the **16-21-46 DLB** together with the necessary appurtenances thereto, on, over and across the land embraced within the right-of-way located in Duchesne County, Utah.

TO HAVE AND TO HOLD said easement and right-of-way unto the Grantee and unto its successors and assigns, together with prior existing right or adverse claim and is for the length of **TWENTY (20) YEARS,** beginning **May 10, 2007,** so long as easement shall actually be used for the purposes above specified. Consideration may be increased at five (5) year intervals if necessary to reflect the existing market prices.

This right-of-way shall be terminable in whole or in part by the grantor for any of the following causes upon 30 days' written notice and failure to the Grantee within said notice period to correct the basis of termination (25 CFR 169.20)

A. Failure to comply with any term or condition of the grant or applicable regulations.
B. A nonuse of the right-of-way for a consecutive two-year period for the purpose for which it was granted.
C. An abandonment of the right-of-way. Failure of the Grantee to file with the Grantor an Affidavit of Completion pursuant to 25 CFR 169.16; Upon completion of construction, or in any case within two years of date of this easement granted in the case construction does not begin or is completed.

The conditions of this easement shall extend to and be binding upon and shall insure to the benefit of the successors and assignees of the Grantee. It has been determined that approval of this document is not such a major federal action significantly affecting the quality of the human environment as to required the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. 4332) (2) (c).

IN WITNESS WHEREOF, Grantor has executed this Grant of Easement for Right-of-Way this **10th** day of **May, 2007** pursuant to authority delegated to the Assistant Secretary – Indian Affairs by 209 DM 8, 230 DM 1, and to the Western Regional Director by 3 IAM 4 (Release No. 99-03), and to the Superintendent/Field Representatives by 10 BIAM 11, as amended by Western Regional Release No. 97-1 an any further delegation needed to effectuate the reorganization embodied in DM Releases dated April, 2003.

UNITED STATES OF AMERICA
U.S. Department of the Interior
Uintah & Ouray Agency
Fort Duchesne, UT 84026

By: Diane M. Shaver
Acting Superintendent

ACKNOWLEDGEMENT OF SUPERINTENDENT

STATE OF UTAH)
)ss
COUNTY OF UINTAH)

The foregoing instrument was acknowledged before me this **10th** day of **May, 2007,** by **Diane M. Shaver,** Acting Superintendent for the Bureau of Indian Affairs, Uintah & Ouray Agency.
Witness my hand and official seal.

Sarah A. Jack
Sarah A. Jack, Notary Public

My Commission Expires: June 16, 2010

CULTURAL RESOURCE INVENTORY OF BILL BARRETT CORPORATION'S FIVE PROPOSED DLB WELL LOCATIONS (T4S, R6W, SECTIONS 20, 21, AND 28), DUCHESNE COUNTY, UTAH

By:

André Jendresen

Prepared For:

Ute Indian Tribe
Uintah and Ouray Agency
and
State of Utah
Division of Wildlife Resources

Prepared Under Contract With:

Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 07-104

April 17, 2007

United States Department of Interior (FLPMA)
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-07-MQ-0384i,s

Ute Tribal Permit No. A07-363

Form 3160-3
(August 2007)

RECEIVED

OCT 20 2010

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. 1420H626108
	6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. 16-21-46 DLB
2. Name of Operator BILL BARRETT CORPORATION Contact: TRACEY FALLANG E-Mail: tfallang@billbarrettcorp.com	9. API Well No. 43-013-33632
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202 3b. Phone No. (include area code) Ph: 303-312-8134	10. Field and Pool, or Exploratory ALTAMONT
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SESE 446FSL 625FEL At proposed prod. zone SESE 660FSL 660FEL	11. Sec., T., R., M., or Blk. and Survey or Area Sec 21 T4S R6W Mer UBM
14. Distance in miles and direction from nearest town or post office* 13 MILES SW OF DUCHESNE, UT	12. County or Parish DUCHESNE 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660 16. No. of Acres in Lease 640.00	17. Spacing Unit dedicated to this well
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1590 19. Proposed Depth 7325 MD 7300 TVD	20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KB, RT, GL, etc. 7157 GL 22. Approximate date work will start 06/15/2011	23. Estimated duration 65

24. Attachments

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

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

25. Signature	Name (Printed/Typed)	Date
(Electronic Submission)	TRACEY FALLANG Ph: 303-312-8134	10/20/2010

Title: REGULATORY MANAGER

Approved by (Signature)	Name (Printed/Typed)	Date
Title: Assistant Field Manager Lands & Mineral Resources	Office: VERNAL FIELD OFFICE	MAR 16 2011

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

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

Additional Operator Remarks (see next page)

NOTICE OF APPROVAL

RECEIVED

MAR 29 2011

DIV. OF OIL, GAS & MINING

Electronic Submission #95408 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by ROBIN HANSEN on 10/20/2010 (11RRH0249AE)

UDOGM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

11RRH0249AE NO NOS

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Bill Barrett Corporation**	**Location:**	**SESE, Sec. 21, T4S, R6W**
Well No:	**16-21-46 DLB**	**Lease No:**	**14-20-H62-6108**
API No:	**43-013-33632**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- A 92.46' by 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 operator will strictly adhere to all Stipulations and Conditions of Approval associated with the Lake Canyon Environmental Assessment for the location.
- A qualified Archeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy and Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- 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 " Assess 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, COAs, and ROWs applications the operator will notify the Ute Tribe in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, ROW permits/authorizations, and COAs 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.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

- The personnel from the Ute Tribe/BIA 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 and Minerals Department, so that Tribal Technician can verify Affidavit of Completion.

- All production facilities will be painted Olive Black to blend in with surrounding vegetation.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.

- Oil (or Diesel) shall not be used in the water based mud system without prior approval. Written request for approval shall be required.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

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

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: 16-21-46 DLB

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 5/7/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ DRILLING REPORT Report Date:	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

BBC is requesting a one year extension to this APD that expires 5/7/2011. Per previous conversations had between Tracey Fallang of BBC and Brad Hill, an extension may be granted on this APD due to the fact that federal authority approval was recently received.

Approved by the Utah Division of Oil, Gas and Mining

Date: 04/14/2011

By: Dustin Hill

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 4/8/2011

RECEIVED Apr. 08, 2011

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 43013336320000

API: 43013336320000
Well Name: 16-21-46 DLB
Location: 0446 FSL 0625 FEL QTR SESE SEC 21 TWNP 040S RNG 060W MER U
Company Permit Issued to: BILL BARRETT CORP
Date Original Permit Issued: 5/7/2007

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: Brady Riley **Date:** 4/8/2011
Title: Permit Analyst **Representing:** BILL BARRETT CORP

RECEIVED Apr. 08, 2011

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: 16-21-46 DLB

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 7/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	✓ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

This sundry is being requested to change the name to the LC Tribal 13H-21-46. BBC is also requesting permission to change this well from a directional well to a horizontal well. New plat, drilling plan, directional plan, one mile radius map, and Horizontal Letter are attached. Distance the the nearest lease line is 800' to the west or south and distance to the nearest well is 2865' to the NE. Please contact Brady Riley at 303-312-8115 with questions in regard to the changes.

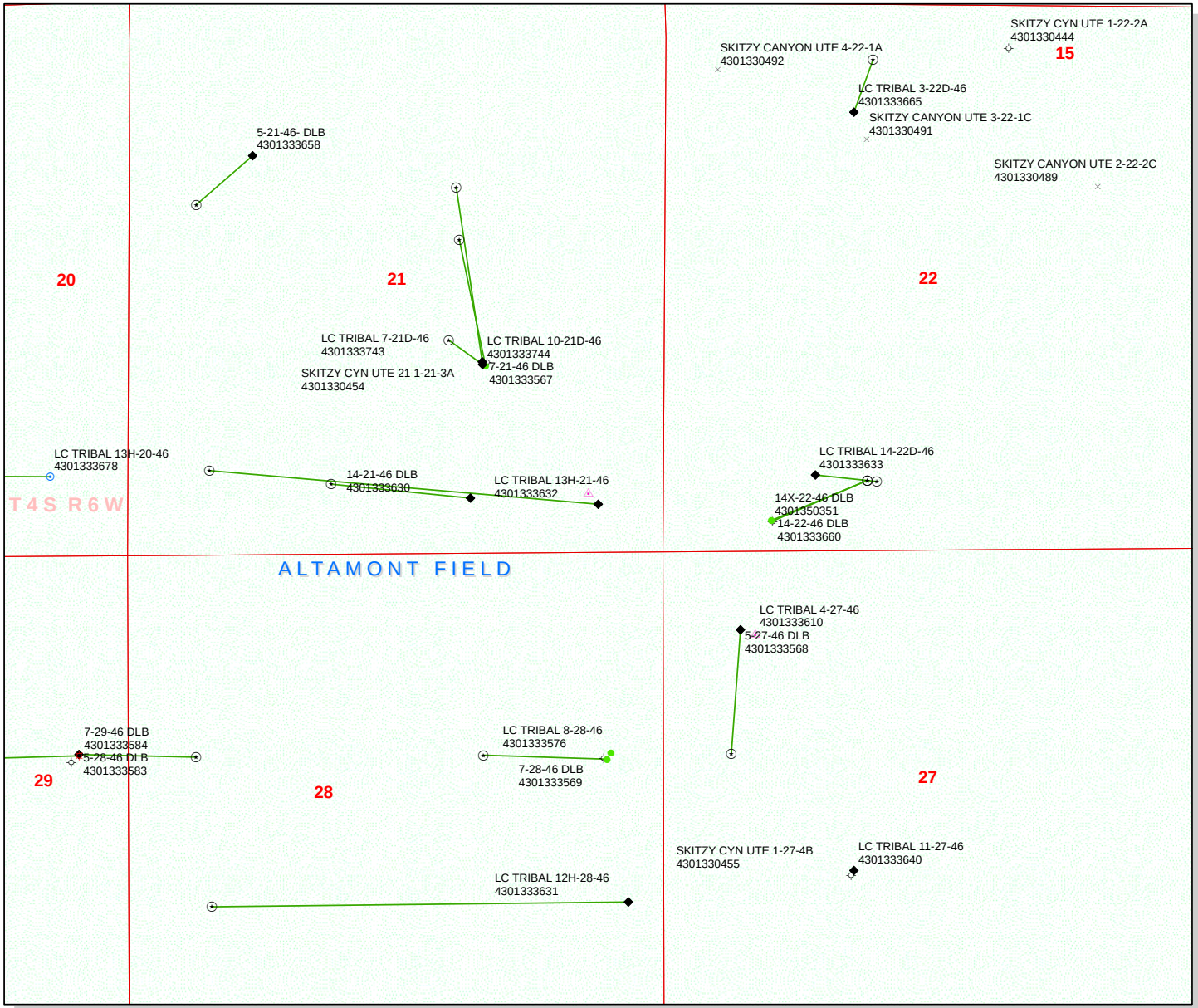
Approved by the Utah Division of Oil, Gas and Mining

Date: 04/18/2011

By: 

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 4/8/2011

RECEIVED Apr. 08, 2011



API Number: 4301333632

Well Name: LC TRIBAL 13H-21-46

Township T0.4 . Range R0.6 . Section 21

Meridian: UBM

Operator: BILL BARRETT CORP

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED
- Sections
- Township

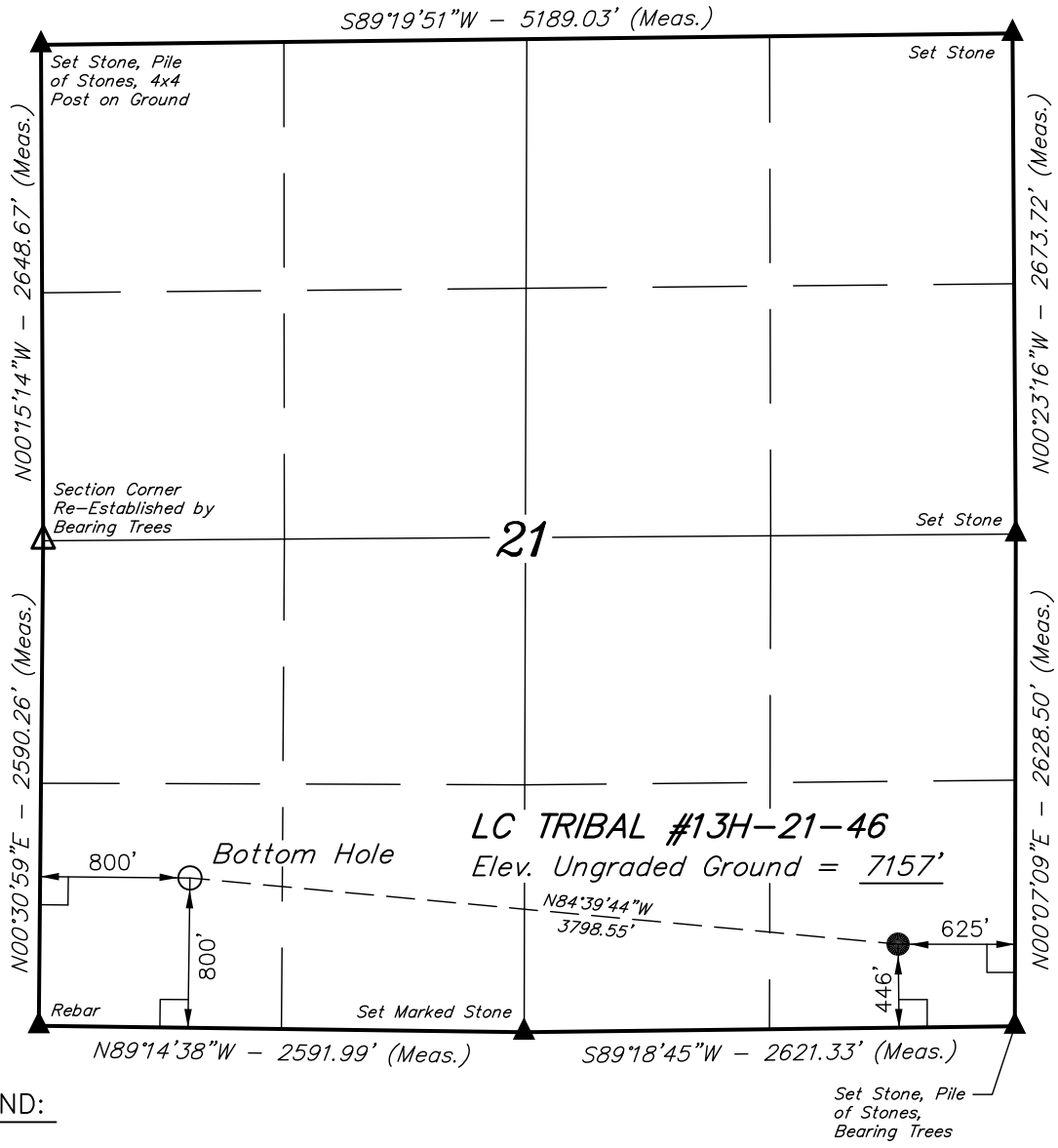
Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,250 625 0 1,250 Feet

1:12,000

Sundry Number: 14248 API Well Number: 43013336320000

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



BILL BARRETT CORPORATION

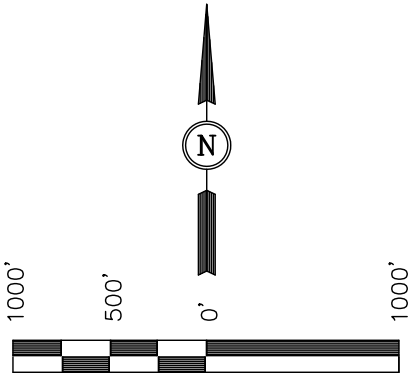
Well location, LC TRIBAL #13H-21-46, located as shown in the SE 1/4 SE 1/4 of Section 21, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

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.



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 02-17-11
REVISED: 04-26-07

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°06'48.65" (40.113514) LONGITUDE = 110°34'27.17" (110.574214)	LATITUDE = 40°06'45.25" (40.112569) LONGITUDE = 110°33'38.50" (110.560694)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°06'48.80" (40.113556) LONGITUDE = 110°34'24.61" (110.573503)	LATITUDE = 40°06'45.40" (40.112611) LONGITUDE = 110°33'35.94" (110.559983)

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	04-09-07	04-12-07
PARTY: D.S. B.B. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: COOL	FILE: BILL BARRETT CORPORATION	

RECEIVED Apr. 08, 2011

DRILLING PLAN

BILL BARRETT CORPORATION
LC Tribal 13H-21-46
SHL: SESE, 446' FSL, 625' FEL, Section 21-T4S-R6W
BHL: SWSW, 800' FSL & 800' FWL, Section 21-T4S-R6W
Duchesne Co., UT

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

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

HORIZONTAL FORMATION TOPS

Formation	Depth – MD	Depth - TVD
Surface casing	1000'	1000'
Green River	1941'	1940'
Mahogany	2511'	2510'
TGR3	3693'	3693'
Douglas Creek	4494'	4490'
Black Shale	5259'	5255'
KOP	5383'	5379'
Castle Peak	5485'	5480'
Uteland Butte (Penetration Point)	5901'	5800'
CR1	6012'*	5840'
Landing Point	6140'	5855'
TD (CR1)	9440'	5805'

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

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
12-1/4"	surface	1,000'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 ¾"	1000'	5000'	7"	23.0 ppf	P-110	LT&C	New
6 1/4"	5000'	TD'	4 ½ Liner	11.6 ppf	P-110	LT&C	New

RECEIVED Apr. 08, 2011

5. Cementing Program

9 5/8" Surface Casing	Cement with approximately 480 sx Premium Plus – Type III cement with additives mixed at 14.8 ppg (yield = 1.35 ft^3/sx), calculated hole volume with 100% excess. *Top out cement*, if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft^3/sk)
7" Intermediate Casing	*Lead* with approximately 215 sx HOWCO Light Premium cement with additives, mixed at 11.0 ppg (yield = 3.14 ft^3/sx). *Tail* with approximately 280 sx Halliburton 50/50 POZ Premium cement with additives mixed at 13.5 ppg (yield = 1.46 ft^3/sx). Planned TOC = 1000' above the KOP (tail).
4 ½" Liner	*No cement will be used in this section. Swell packers or Packers Plus (or equivalent) will be run to isolate the production hole from the intermediate casing section.*
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to surface.	

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
40' – 1,000'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,000' – 3000'	8.9 – 9.2	26 - 36	NC	Fresh Water with sweeps
3000' – 5000'	9.2 – 9.4	42 – 55	6 – 10	Fresh Water PHPA
5000' – TD	9.0 - 9.2	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

RECEIVED Apr. 08, 2011

7. BOP and Pressure Containment Data

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

8. Auxiliary Equipment

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

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD 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.
Note: All open hole logs would be run on the proposed "pilot hole" portion of the wellbore. FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4156 psi* and maximum anticipated surface pressure equals approximately 2439 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

11. Location and Type of Water Supply

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

RECEIVED Apr. 08, 2011

12. Drilling Schedule

Location Construction:	Constructed 7/6/2011
Spud:	Conductor Casing Spud 7/20/2011
	Surface Casing Spud Date Approx. 9/20/2011
Duration:	25 days drilling time
	25 days completion time

Well name:	LC Tribal 13H-21-46
Operator:	BBC
String type:	Surface
Location:	Utah

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 377 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 597 psi

Annular backup: 9.50 ppg

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

Tension is based on air weight.
Neutral point: 867 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Minimum Drift: 8.750 in
Cement top: -0 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 4,730 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,212 psi
Fracture mud wt: 11.500 ppg
Fracture depth: 1,000 ft
Injection pressure 597 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	9.625	36.00	K-55	ST&C	1000	1000	8.765	71.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	467	2020	4.321	377	3520	9.33	36	423	11.75 J

Bill Barrett

Date: February 17,2011
Denver, Colorado

Remarks:
Collapse is based on a vertical depth of 1000 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	LC Tribal 13H-21-46
Operator:	BBC
String type:	Intermediate
Location:	Utah

Design parameters:

Collapse
Mud weight: 9.200 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,220 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,261 psi
Annular backup: 9.50 ppg

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

Tension is based on air weight.
Neutral point: 4,076 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 141 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft
Minimum Drift: 6.250 in

Directional well information:
Kick-off point 4253 ft
Departure at shoe: 487 ft
Maximum dogleg: 12 °/100ft
Inclination at shoe: 91.2 °

Re subsequent strings:
Next setting depth: 4,658 ft
Next mud weight: 9.000 ppg
Next setting BHP: 2,178 psi
Fracture mud wt: 14.000 ppg
Fracture depth: 4,730 ft
Injection pressure 3,440 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	5013	7	23.00	S-95	LT&C	4730	5013	6.25	231.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2261	5268	2.330	1220	7530	6.17	109	512	4.71 J

Note! Will actually run HCP-110. Casing design did not have correct strength values.

Bill Barrett

Date: February 18,2011
Denver, Colorado

Remarks:
Collapse is based on a vertical depth of 4730 ft, a mud weight of 9.2 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

Well name:	LC Tribal 13H-21-46
Operator:	**BBC**
String type:	Production
Location:	Utah

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,153 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,178 psi
Annular backup: 9.50 ppg

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

Tension is based on air weight.
Neutral point: 4,031 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 140 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 3,210 ft

Directional well information:
Kick-off point 4253 ft
Departure at shoe: 3697 ft
Maximum dogleg: 12 °/100ft
Inclination at shoe: 91.29 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8223	4.5	11.60	P-110	LT&C	4658	8223	3.875	190.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2178	7580	3.481	1153	10690	9.27	54	279	5.16 J

Bill Barrett

Date: February 18,2011
Denver, Colorado

Remarks:
Collapse is based on a vertical depth of 4658 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

Bill Barrett Corp

Duchesne County, UT (NAD 1927)
Sec. 21-T4S-R6W
LC Tribal #13H-21-46

Plan A Rev 1

Plan: Plan A Rev 1 Proposal

Sperry Drilling Services

Proposal Report

25 March, 2011

Well Coordinates: 649,445.22 N, 2,262,903.43 E (40° 06' 45.40" N, 110° 33' 35.94" W)
Ground Level: 7,156.00 ft

Local Coordinate Origin:	Centered on Well LC Tribal #13H-21-46
Viewing Datum:	RKB 24' @ 7180.00ft (H&P 319)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 43I

HALLIBURTON

RECEIVED Apr. 08, 2011

Plan Report for LC Tribal #13H-21-46 - Plan A Rev 1 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge at 1100.00 ft										
1,150.00	1.00	0.00	1,150.00	0.44	0.00	0.04	2.00	2.00	0.00	0.00
Build Rate = 2.00°/100 ft										
1,200.00	2.00	0.00	1,199.98	1.75	0.00	0.16	2.00	2.00	0.00	0.00
1,233.50	2.67	0.00	1,233.45	3.11	0.00	0.28	2.00	2.00	0.00	0.00
End Build at 1233.50 ft										
1,300.00	2.67	0.00	1,299.88	6.21	0.00	0.56	0.00	0.00	0.00	0.00
1,400.00	2.67	0.00	1,399.77	10.87	0.00	0.99	0.00	0.00	0.00	0.00
1,500.00	2.67	0.00	1,499.66	15.52	0.00	1.41	0.00	0.00	0.00	0.00
1,600.00	2.67	0.00	1,599.55	20.18	0.00	1.83	0.00	0.00	0.00	0.00
1,700.00	2.67	0.00	1,699.45	24.84	0.00	2.25	0.00	0.00	0.00	0.00
1,800.00	2.67	0.00	1,799.34	29.50	0.00	2.68	0.00	0.00	0.00	0.00
1,900.00	2.67	0.00	1,899.23	34.16	0.00	3.10	0.00	0.00	0.00	0.00
1,940.82	2.67	0.00	1,940.00	36.06	0.00	3.27	0.00	0.00	0.00	0.00
Green River										
2,000.00	2.67	0.00	1,999.12	38.82	0.00	3.52	0.00	0.00	0.00	0.00
2,100.00	2.67	0.00	2,099.01	43.47	0.00	3.94	0.00	0.00	0.00	0.00
2,200.00	2.67	0.00	2,198.90	48.13	0.00	4.37	0.00	0.00	0.00	0.00
2,300.00	2.67	0.00	2,298.79	52.79	0.00	4.79	0.00	0.00	0.00	0.00
2,400.00	2.67	0.00	2,398.69	57.45	0.00	5.21	0.00	0.00	0.00	0.00
2,500.00	2.67	0.00	2,498.58	62.11	0.00	5.64	0.00	0.00	0.00	0.00
2,511.44	2.67	0.00	2,510.00	62.64	0.00	5.68	0.00	0.00	0.00	0.00
Mahogany										
2,600.00	2.67	0.00	2,598.47	66.77	0.00	6.06	0.00	0.00	0.00	0.00
2,700.00	2.67	0.00	2,698.36	71.42	0.00	6.48	0.00	0.00	0.00	0.00
2,800.00	2.67	0.00	2,798.25	76.08	0.00	6.90	0.00	0.00	0.00	0.00
2,900.00	2.67	0.00	2,898.14	80.74	0.00	7.33	0.00	0.00	0.00	0.00
3,000.00	2.67	0.00	2,998.03	85.40	0.00	7.75	0.00	0.00	0.00	0.00
3,100.00	2.67	0.00	3,097.93	90.06	0.00	8.17	0.00	0.00	0.00	0.00
3,200.00	2.67	0.00	3,197.82	94.72	0.00	8.59	0.00	0.00	0.00	0.00
2.67° Inclination										
3,300.00	2.67	0.00	3,297.71	99.37	0.00	9.02	0.00	0.00	0.00	0.00
3,400.00	2.67	0.00	3,397.60	104.03	0.00	9.44	0.00	0.00	0.00	0.00
3,500.00	2.67	0.00	3,497.49	108.69	0.00	9.86	0.00	0.00	0.00	0.00
3,600.00	2.67	0.00	3,597.38	113.35	0.00	10.28	0.00	0.00	0.00	0.00
3,692.72	2.67	0.00	3,690.00	117.67	0.00	10.68	0.00	0.00	0.00	0.00
TGR3										
3,700.00	2.67	0.00	3,697.27	118.01	0.00	10.71	0.00	0.00	0.00	0.00
3,800.00	2.67	0.00	3,797.17	122.67	0.00	11.13	0.00	0.00	0.00	0.00
3,900.00	2.67	0.00	3,897.06	127.32	0.00	11.55	0.00	0.00	0.00	0.00
4,000.00	2.67	0.00	3,996.95	131.98	0.00	11.98	0.00	0.00	0.00	0.00
4,100.00	2.67	0.00	4,096.84	136.64	0.00	12.40	0.00	0.00	0.00	0.00
4,200.00	2.67	0.00	4,196.73	141.30	0.00	12.82	0.00	0.00	0.00	0.00
4,300.00	2.67	0.00	4,296.62	145.96	0.00	13.24	0.00	0.00	0.00	0.00
4,400.00	2.67	0.00	4,396.51	150.62	0.00	13.67	0.00	0.00	0.00	0.00

Plan Report for LC Tribal #13H-21-46 - Plan A Rev 1 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
4,493.59	2.67	0.00	4,490.00	154.98	0.00	14.06	0.00	0.00	0.00	0.00
Douglas Creek										
4,500.00	2.67	0.00	4,496.41	155.27	0.00	14.09	0.00	0.00	0.00	0.00
4,600.00	2.67	0.00	4,596.30	159.93	0.00	14.51	0.00	0.00	0.00	0.00
4,700.00	2.67	0.00	4,696.19	164.59	0.00	14.93	0.00	0.00	0.00	0.00
4,800.00	2.67	0.00	4,796.08	169.25	0.00	15.36	0.00	0.00	0.00	0.00
4,900.00	2.67	0.00	4,895.97	173.91	0.00	15.78	0.00	0.00	0.00	0.00
5,000.00	2.67	0.00	4,995.86	178.57	0.00	16.20	0.00	0.00	0.00	0.00
5,100.00	2.67	0.00	5,095.75	183.22	0.00	16.63	0.00	0.00	0.00	0.00
5,200.00	2.67	0.00	5,195.65	187.88	0.00	17.05	0.00	0.00	0.00	0.00
5,259.42	2.67	0.00	5,255.00	190.65	0.00	17.30	0.00	0.00	0.00	0.00
Black Shale										
5,300.00	2.67	0.00	5,295.54	192.54	0.00	17.47	0.00	0.00	0.00	0.00
5,383.41	2.67	0.00	5,378.86	196.43	0.00	17.82	0.00	0.00	0.00	0.00
Kickoff at 5383.41 ft										
5,400.00	3.38	323.97	5,395.42	197.21	-0.29	18.18	12.00	4.30	-217.19	-88.06
5,425.00	5.74	299.58	5,420.35	198.42	-1.81	19.81	12.00	9.42	-97.56	-52.07
5,450.00	8.51	290.10	5,445.15	199.68	-4.63	22.73	12.00	11.08	-37.93	-27.75
5,475.00	11.39	285.31	5,469.77	200.96	-8.75	26.95	12.00	11.55	-19.13	-18.34
5,485.46	12.62	283.96	5,480.00	201.51	-10.86	29.10	12.00	11.69	-12.95	-13.63
Castle Peak										
5,500.00	14.33	282.46	5,494.14	202.28	-14.16	32.45	12.00	11.76	-10.34	-12.31
5,525.00	17.28	280.56	5,518.20	203.63	-20.83	39.22	12.00	11.82	-7.60	-10.84
5,550.00	20.25	279.20	5,541.86	205.00	-28.75	47.23	12.00	11.87	-5.43	-9.02
5,575.00	23.23	278.18	5,565.08	206.40	-37.90	56.48	12.00	11.90	-4.09	-7.73
5,600.00	26.21	277.38	5,587.79	207.81	-48.26	66.92	12.00	11.93	-3.21	-6.78
5,625.00	29.19	276.73	5,609.92	209.23	-59.79	78.53	12.00	11.94	-2.59	-6.05
5,650.00	32.18	276.19	5,631.42	210.66	-72.47	91.29	12.00	11.95	-2.15	-5.48
5,675.00	35.17	275.74	5,652.22	212.10	-86.26	105.14	12.00	11.96	-1.82	-5.02
5,700.00	38.16	275.34	5,672.27	213.54	-101.11	120.07	12.00	11.96	-1.57	-4.64
Build Rate = 12.00°/100 ft										
5,725.00	41.15	275.00	5,691.52	214.98	-117.00	136.02	12.00	11.97	-1.37	-4.32
5,750.00	44.15	274.69	5,709.91	216.41	-133.88	152.96	12.00	11.97	-1.22	-4.06
5,775.00	47.14	274.42	5,727.38	217.82	-151.69	170.83	12.00	11.97	-1.09	-3.83
5,800.00	50.13	274.17	5,743.90	219.23	-170.40	189.59	12.00	11.98	-0.99	-3.64
5,825.00	53.13	273.95	5,759.42	220.62	-189.95	209.18	12.00	11.98	-0.91	-3.48
5,850.00	56.12	273.74	5,773.89	221.98	-210.29	229.56	12.00	11.98	-0.84	-3.34
5,875.00	59.12	273.54	5,787.27	223.32	-231.35	250.66	12.00	11.98	-0.78	-3.21
5,900.00	62.11	273.36	5,799.54	224.63	-253.10	272.43	12.00	11.98	-0.74	-3.11
5,900.99	62.23	273.35	5,800.00	224.68	-253.97	273.30	12.00	11.98	-0.71	-3.02
Penetration Point (Uteland Butte) - Uteland Butte (Penetration Point)										
5,925.00	65.11	273.18	5,810.65	225.91	-275.45	294.81	12.00	11.98	-0.70	-3.02
5,950.00	68.11	273.02	5,820.57	227.15	-298.36	317.74	12.00	11.98	-0.66	-2.94
5,975.00	71.10	272.86	5,829.29	228.35	-321.76	341.15	12.00	11.99	-0.64	-2.88
6,000.00	74.10	272.70	5,836.76	229.50	-345.59	364.98	12.00	11.99	-0.61	-2.82
6,012.39	75.58	272.63	5,840.00	230.06	-357.53	376.93	12.00	11.99	-0.60	-2.77
CR1										
6,025.00	77.10	272.55	5,842.98	230.61	-369.77	389.17	12.00	11.99	-0.59	-2.76
6,050.00	80.09	272.41	5,847.92	231.67	-394.25	413.65	12.00	11.99	-0.58	-2.74
6,075.00	83.09	272.27	5,851.58	232.68	-418.96	438.34	12.00	11.99	-0.57	-2.71
6,100.00	86.09	272.13	5,853.94	233.63	-443.83	463.20	12.00	11.99	-0.56	-2.69
6,125.00	89.08	271.99	5,854.99	234.53	-468.79	488.13	12.00	11.99	-0.56	-2.67
6,139.91	90.87	271.90	5,855.00	235.04	-483.69	503.02	12.00	11.99	-0.56	-2.67
End Build at 6139.91 ft - Landing Point										
6,200.00	90.87	271.90	5,854.08	237.03	-543.74	563.00	0.00	0.00	0.00	-2.67
6,300.00	90.87	271.90	5,852.56	240.35	-643.67	662.82	0.00	0.00	0.00	0.00
6,400.00	90.87	271.90	5,851.05	243.67	-743.60	762.65	0.00	0.00	0.00	0.00
6,500.00	90.87	271.90	5,849.53	246.99	-843.54	862.47	0.00	0.00	0.00	0.00
90.87° Inclination										

Plan Report for LC Tribal #13H-21-46 - Plan A Rev 1 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
6,600.00	90.87	271.90	5,848.01	250.30	-943.47	962.29	0.00	0.00	0.00	0.00
6,700.00	90.87	271.90	5,846.49	253.62	-1,043.40	1,062.11	0.00	0.00	0.00	0.00
6,800.00	90.87	271.90	5,844.97	256.94	-1,143.34	1,161.93	0.00	0.00	0.00	0.00
6,900.00	90.87	271.90	5,843.45	260.26	-1,243.27	1,261.76	0.00	0.00	0.00	0.00
7,000.00	90.87	271.90	5,841.94	263.58	-1,343.20	1,361.58	0.00	0.00	0.00	0.00
7,100.00	90.87	271.90	5,840.42	266.90	-1,443.14	1,461.40	0.00	0.00	0.00	0.00
7,200.00	90.87	271.90	5,838.90	270.21	-1,543.07	1,561.22	0.00	0.00	0.00	0.00
7,300.00	90.87	271.90	5,837.38	273.53	-1,643.00	1,661.05	0.00	0.00	0.00	0.00
7,400.00	90.87	271.90	5,835.86	276.85	-1,742.94	1,760.87	0.00	0.00	0.00	0.00
7,500.00	90.87	271.90	5,834.34	280.17	-1,842.87	1,860.69	0.00	0.00	0.00	0.00
271.90° Azimuth										
7,600.00	90.87	271.90	5,832.83	283.49	-1,942.80	1,960.51	0.00	0.00	0.00	0.00
7,700.00	90.87	271.90	5,831.31	286.81	-2,042.74	2,060.34	0.00	0.00	0.00	0.00
7,800.00	90.87	271.90	5,829.79	290.13	-2,142.67	2,160.16	0.00	0.00	0.00	0.00
7,900.00	90.87	271.90	5,828.27	293.44	-2,242.60	2,259.98	0.00	0.00	0.00	0.00
8,000.00	90.87	271.90	5,826.75	296.76	-2,342.54	2,359.80	0.00	0.00	0.00	0.00
8,100.00	90.87	271.90	5,825.23	300.08	-2,442.47	2,459.62	0.00	0.00	0.00	0.00
8,200.00	90.87	271.90	5,823.72	303.40	-2,542.40	2,559.45	0.00	0.00	0.00	0.00
8,300.00	90.87	271.90	5,822.20	306.72	-2,642.34	2,659.27	0.00	0.00	0.00	0.00
8,400.00	90.87	271.90	5,820.68	310.04	-2,742.27	2,759.09	0.00	0.00	0.00	0.00
8,500.00	90.87	271.90	5,819.16	313.35	-2,842.21	2,858.91	0.00	0.00	0.00	0.00
8,600.00	90.87	271.90	5,817.64	316.67	-2,942.14	2,958.74	0.00	0.00	0.00	0.00
8,700.00	90.87	271.90	5,816.12	319.99	-3,042.07	3,058.56	0.00	0.00	0.00	0.00
8,800.00	90.87	271.90	5,814.61	323.31	-3,142.01	3,158.38	0.00	0.00	0.00	0.00
8,900.00	90.87	271.90	5,813.09	326.63	-3,241.94	3,258.20	0.00	0.00	0.00	0.00
9,000.00	90.87	271.90	5,811.57	329.95	-3,341.87	3,358.02	0.00	0.00	0.00	0.00
9,100.00	90.87	271.90	5,810.05	333.27	-3,441.81	3,457.85	0.00	0.00	0.00	0.00
9,200.00	90.87	271.90	5,808.53	336.58	-3,541.74	3,557.67	0.00	0.00	0.00	0.00
9,300.00	90.87	271.90	5,807.01	339.90	-3,641.67	3,657.49	0.00	0.00	0.00	0.00
9,400.00	90.87	271.90	5,805.50	343.22	-3,741.61	3,757.31	0.00	0.00	0.00	0.00
9,439.91	90.87	271.90	5,804.89	344.55	-3,781.49	3,797.15	0.00	0.00	0.00	0.00
Total Depth = 9439.91 ft - TD - LC Tribal #13H-21-46_PlanA Rev1 Lateral_BHL Tgt										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,100.00	1,100.00	0.00	0.00	Begin Nudge at 1100.00 ft
1,150.00	1,150.00	0.44	0.00	Build Rate = 2.00°/100 ft
1,233.50	1,233.45	3.11	0.00	End Build at 1233.50 ft
3,200.00	3,197.82	94.72	0.00	2.67° Inclination
5,383.41	5,378.86	196.43	0.00	Kickoff at 5383.41 ft
5,700.00	5,672.27	213.54	-101.11	Build Rate = 12.00°/100 ft
5,900.99	5,800.00	224.68	-253.97	Penetration Point (Uteland Butte)
6,139.91	5,855.00	235.04	-483.69	End Build at 6139.91 ft
6,500.00	5,849.53	246.99	-843.54	90.87° Inclination
7,500.00	5,834.34	280.17	-1,842.87	271.90° Azimuth
9,439.91	5,804.89	344.55	-3,781.49	Total Depth = 9439.91 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	LC Tribal #13H-21-46_PlanA Rev1 Lateral_BHL Tgt	275.21	Slot	0.00	0.00	0.00

Plan Report for LC Tribal #13H-21-46 - Plan A Rev 1 Proposal

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	9,439.90	Plan A Rev 1 Proposal	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,139.91	5,855.00	7" Casing	7	8-3/4

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,940.82	1,940.00	Green River		0.00	
2,511.44	2,510.00	Mahogany		0.00	
3,692.72	3,690.00	TGR3		0.00	
4,493.59	4,490.00	Douglas Creek		0.00	
5,259.42	5,255.00	Black Shale		0.00	
5,485.46	5,480.00	Castle Peak		0.00	
5,900.99	5,800.00	Uteland Butte (Penetration Point)		0.00	
6,012.39	5,840.00	CR1		0.00	
6,139.91	5,855.00	Landing Point		0.00	
9,439.91	5,804.89	TD		0.00	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
LC Tribal #13H-21-46_Plan A_SHL	0.00	0.01	0.00	Point
LC Tribal #13H-21-46 HARD LINES	0.00	0.00	0.00	Polygon
LC Tribal #13H-21-46 SECTION LINES	0.00	0.00	0.00	Polygon
LC Tribal #13H-21-46_PlanA Rev1 Lateral_BHL Tgt	5,805.00	344.55	-3,781.62	Point

RECEIVED Apr. 08, 2011

Bill Barrett Corp

HALLIBURTON

Duchesne County, UT (NAD 1927)

North Reference Sheet for Sec. 21-T4S-R6W - LC Tribal #13H-21-46 - Plan A Rev 1

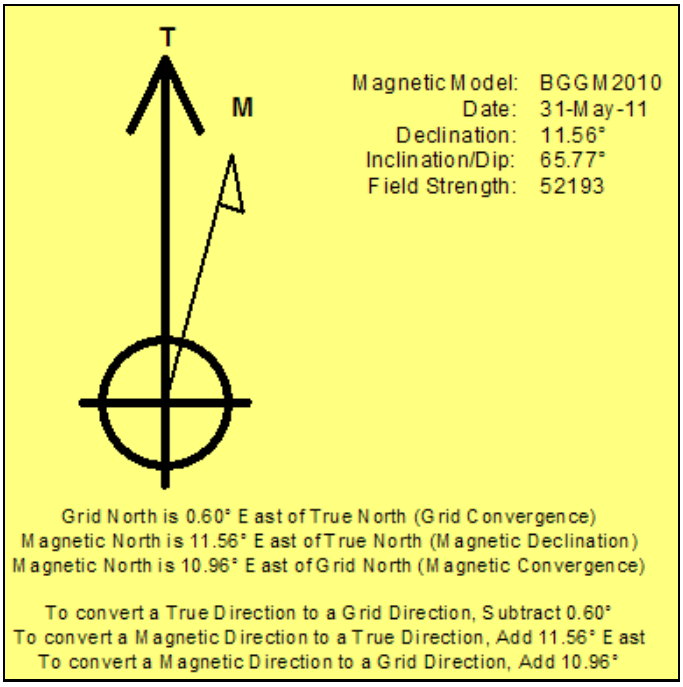
All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.
Vertical Depths are relative to RKB 24' @ 7180.00ft (H&P 319). Northing and Easting are relative to LC Tribal #13H-21-46
Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)
Central Meridian is -111.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 39' 0.000 N°
False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991053

Grid Coordinates of Well: 649,445.22 ft N, 2,262,903.43 ft E
Geographical Coordinates of Well: 40° 06' 45.40" N, 110° 33' 35.94" W
Grid Convergence at Surface is: 0.60°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,439.91ft
the Bottom Hole Displacement is 3,797.15ft in the Direction of 275.21° (True).

Magnetic Convergence at surface is: -10.96° (31 May 2011, , BGGM2010)



RECEIVED Apr. 08, 2011

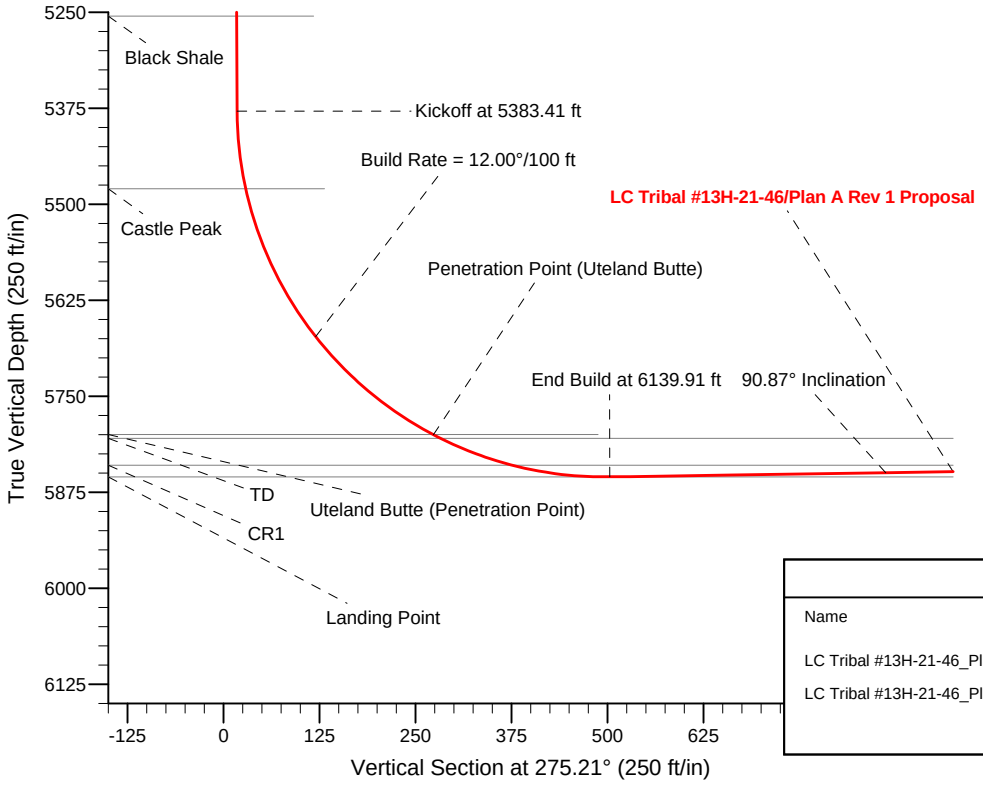
Project: Duchesne County, UT (NAD 1927)
Site: Sec. 21-T4S-R6W
Well: LC Tribal #13H-21-46
Wellbore: Plan A Rev 1 (Lateral)
Design: Plan A Rev 1 Proposal

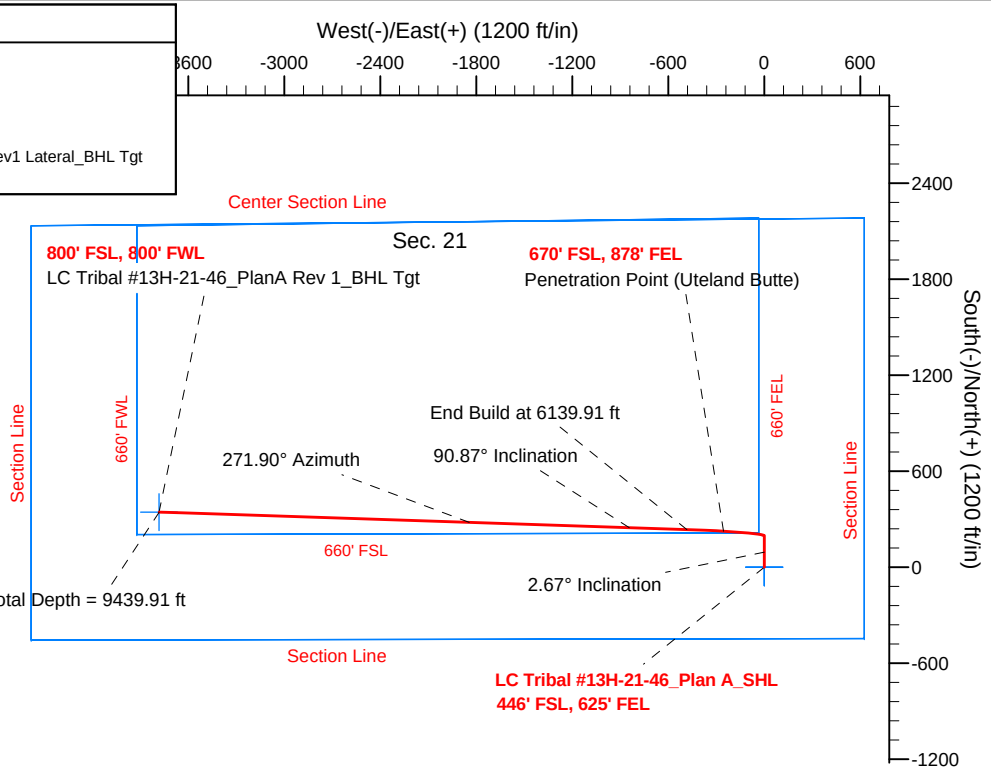
Bill Barrett Corp

HALLIBURTON
Sperry Drilling

SECTION DETAILS

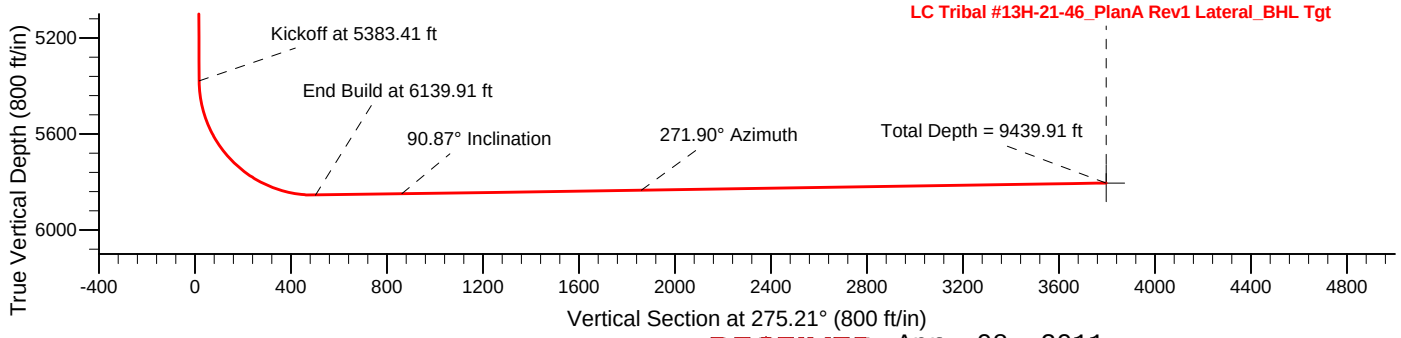
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
3	1233.50	2.67	0.00	1233.45	3.11	0.00	2.00	0.00	0.28	
4	5383.41	2.67	0.00	5378.86	196.43	0.00	0.00	0.00	17.82	
5	6139.91	90.87	271.90	5855.00	235.04	-483.69	12.00	-88.06	503.02	LC Tribal #13H-21-46_PlanA Rev1 Lateral_BHL Tgt
6	9439.91	90.87	271.90	5804.89	344.55	-3781.49	0.00	0.00	3797.15	





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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LC Tribal #13H-21-46_Plan A_SHL	0.00	0.01	0.00	649445.24	2262903.43	40° 6' 45.400 N	110° 33' 35.939 W	Point
LC Tribal #13H-21-46_Plan A Rev1_BHL Tgt	5805.00	344.55	-3781.62	649749.99	2259118.73	40° 6' 48.802 N	110° 34' 24.611 W	Point



WELL DETAILS: LC Tribal #13H-21-46

Ground Level: 7156.00

Northing	Easting	Latitude	Longitude
649445.22	2262903.43	40° 6' 45.399 N	110° 33' 35.939 W

Plan A Rev 1 Proposal (LC Tribal #13H-21-46)

Created By: Jerry Popp Date: 03/25/2011

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____

RECEIVED Apr. 08, 2011

Bill Barrett Corporation

April 6th, 2011

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

RE: Horizontal Drilling
LC Tribal #13H-21-46
T4S-R6W, S.L.B.&M.
Section 21: SHL in the SESE 446' FSL & 625' FEL
BHL in the SWSW 800' FSL & 800' FWL
Duchesne County, Utah

Dear Ms. Mason:

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

- Tribal Exploration and Development Agreement #14-20-H62-5500, which includes all of the subject Section 21 and other lands, allows for the drilling of the LC Tribal #13H-21-46 well. In November of 2007, BBC drilled the 7-21-46 DLB Well and earned BIA Lease #14-20-H62-6108, covering 640.00 "deep depth" acres being further described in the Exploration and Development Agreement.

- The LC Tribal #13H-21-46 will be perforated no less than 660 feet from the Section 21 Tribal Lease boundary, in accordance with R649-3-2(3).

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

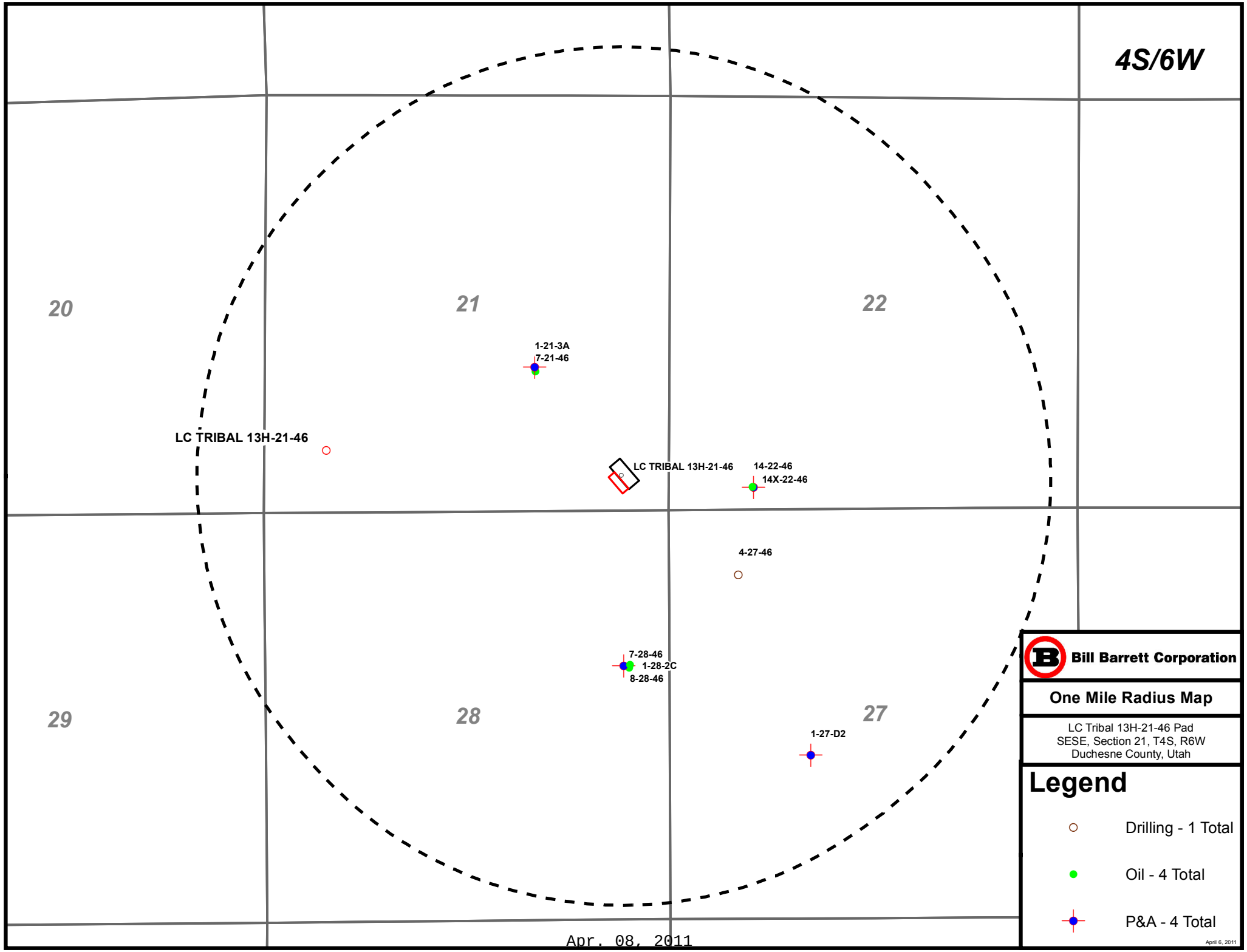
Sincerely,

BILL BARRETT CORPORATION

David Watts BR

David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202


4S/6W
20
21
22
29
28
27
1-21-3A
7-21-46
LC TRIBAL 13H-21-46
LC TRIBAL 13H-21-46
14-22-46
14X-22-46
4-27-46
7-28-46
1-28-2C
8-28-46
1-27-D2
Bill Barrett Corporation
One Mile Radius Map
LC Tribal 13H-21-46 Pad
SESE, Section 21, T4S, R6W
Duchesne County, Utah
Legend
Drilling - 1 Total
Oil - 4 Total
P&A - 4 Total
April 6, 2011
Apr. 08, 2011

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 6/8/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Confidential Status

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

This sundry is being submitted to request confidential status for the above mentioned location.

Approved by the Utah Division of Oil, Gas and Mining

Date: 06/21/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Venessa Langmacher	303 312-8172	Senior Permit Analyst
SIGNATURE N/A		**DATE** 6/8/2011

RECEIVED Jun. 08, 2011

Federal Approval of this Action is Necessary

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-6108

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
Gas Well

8. WELL NAME and NUMBER:
LC TRIBAL 13H-21-46

2. NAME OF OPERATOR:
BILL BARRETT CORP

9. API NUMBER:
43013336320000

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:
0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 8/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

This sundry is being submitted to request a change in the proposed surface casing depth. Per discussions between Brent Murphy (BBC Drilling Engineer) and Michael Lee (BLM), BBC is requesting setting 9 5/8" at 1500' (versus the currently permitted 1000') to cover the lost circulation zone at this location (LC @ 1250'). If you have any further questions, please contact Brent Murphy at 303-312-8144.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/11/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Tracey Fallang	303 312-8134	Regulatory Manager
SIGNATURE		**DATE**
N/A		6/30/2011

RECEIVED Jun. 30, 2011

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

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 527 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 857 psi

Annular backup: 9.50 ppg

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

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

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

Environment:

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

Non-directional string.

Re subsequent strings:

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

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1500	9.625	36.00	K-55	ST&C	1500	1500	8.765	106.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	693	2020	2.913	527	3520	6.68	47	423	9.02 J

Bill Barrett

Date: June 23,2011
Denver, Colorado

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

Burst strength is not adjusted for tension.

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

Federal Approval of this Action is Necessary

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-6108

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
Gas Well

8. WELL NAME and NUMBER:
LC TRIBAL 13H-21-46

2. NAME OF OPERATOR:
BILL BARRETT CORP

9. API NUMBER:
43013336320000

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:
0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 8/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

On 6/30/11, BBC submitted a sundry request to change surface casing setting depth to 1500 ft. After further review, BBC is submitting another request to drill a pilot hole on this well, similar to the previous horizontal wells BBC has drilled in this area. A revised drilling plan with proposed changes (from 6/30/11) and this request is attached. Please contact Brent Murphy at 303-312-8144 for any questions regarding this proposed modification.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/11/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Tracey Fallang	303 312-8134	Regulatory Manager
SIGNATURE		**DATE**
N/A		7/1/2011

RECEIVED Jul. 01, 2011

DRILLING PLAN (REVISED 7/1/11)

BILL BARRETT CORPORATION
LC Tribal 13H-21-46
SHL: SESE, 446' FSL, 625' FEL, Section 21-T4S-R6W
BHL: SWSW, 800' FSL & 800' FWL, Section 21-T4S-R6W
Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a vertical "pilot hole" 200' into the Wasatch, obtaining open hole logs in the vertical portion of the wellbore. Once having successfully obtained log data for determination of lateral wellbore placement, BBC would then plug and abandon the vertical portion of the wellbore from 300' below to +/- 300' above the planned kick off point (600' cement plug). Once the cement plug has cured accordingly BBC would utilize the cement plug to side track the wellbore at kick off point. The lateral portion of the wellbore would then be drilled horizontally through the prospective zone within the Uteland Butte, as identified by open hole logs from the pilot hole.

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

VERTICAL – PILOT HOLE - FORMATION TOPS

Formation	Depth – MD
Surface casing	1500'
Green River	1940'
Mahogany	2510
TGR3	3693'
Douglas Creek	4490'
Black Shale	5255'
Castle Peak	5480'
Uteland Butte	5800'
CR-1	5840'
Wasatch	6010'
TD	6210'

The planned cement plug would extend from +/- 5700' back to 5100'

HORIZONTAL FORMATION TOPS

Formation	Depth – MD	Depth - TVD
Surface casing	1500'	1500'
Green River	1941'	1940'
Mahogany	2511'	2510'
TGR3	3693'	3690'
Douglas Creek	4494'	4490'
Black Shale	5259'	5255'
KOP	5383'	5379'
Castle Peak	5485'	5480'
Uteland Butte (Penetration Point)	5901'	5800'
CR1	6012'*	5840'
Landing Point	6140'	5855'
TD (CR1)	9440'	5805'

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

Drilling Plan
LC Tribal 13H-21-46
Duchesne Co., UT

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
12-1/4"	surface	1,500'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 ¾"	surface	5000'	7"	23.0 ppf	P-110	LT&C	New
6 1/4"	5000'	TD'	4 ½ Liner	11.6 ppf	P-110	LT&C	New

5. Cementing Program

9 5/8" Surface Casing	Cement with approximately 600 sx Premium Plus – Type III cement with additives mixed at 14.8 ppg (yield = 1.35 ft^3/sx), calculated hole volume with 100% excess. *Top out cement*, if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft^3/sk)
7" Intermediate Casing	*Lead* with approximately 315 sx HOWCO Light Premium cement with additives, mixed at 11.0 ppg (yield = 3.14 ft^3/sx). *Tail* with approximately 280 sx Halliburton 50/50 POZ Premium cement with additives mixed at 13.5 ppg (yield = 1.46 ft^3/sx). Planned TOC = 1000' above the KOP (tail).
4 ½" Liner	*No cement will be used in this section. Swell packers or Packers Plus (or equivalent) will be run to isolate the production hole from the intermediate casing section.*
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead to surface.	

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
40' – 1,500'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,500' – 3000'	8.9 – 9.2	26 - 36	NC	Fresh Water with sweeps
3000' – 5000'	9.2 – 9.4	42 – 55	6 – 10	Fresh Water PHPA
5000' – TD	9.0 - 9.2	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

RECEIVED Jul. 01, 2011

Drilling Plan
LC Tribal 13H-21-46
Duchesne Co., UT

7. BOP and Pressure Containment Data

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

8. Auxiliary Equipment

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

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD 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.
Note: All open hole logs would be run on the proposed "pilot hole" portion of the wellbore. FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4156 psi* and maximum anticipated surface pressure equals approximately 2439 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

11. Location and Type of Water Supply

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

RECEIVED Jul. 01, 2011

12. Drilling Schedule

Location Construction:	Constructed 7/6/2011
Spud:	Conductor Casing Spud 7/20/2011
	Surface Casing Spud Date Approx. 9/20/2011
Duration:	25 days drilling time
	25 days completion time

RECEIVED Jul. 01, 2011

SUBMIT AS EMAIL | Print Form

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling
Submitted By Venessa Langmacher Phone Number 303-312-8172
Well Name/Number LC Tribal 13H-21-46
Qtr/Qtr SE SE Section 21 Township 4S Range 6W
Lease Serial Number 1420H626108
API Number ~~4301336320~~ 43-013-33632

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

Date/Time 07/13/2011 8:00 AM ☑ PM ☐

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

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

RECEIVED
JUL 12 2011
DIV OF OIL, GAS & MINING

Date/Time _____ _____ AM ☐ PM ☐

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 7/14/2011	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

This sundry is to notify that this well was spud on 07/14/2011 at 4:00 pm by Triple A Drilling.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Venessa Langmacher	303 312-8172	Senior Permit Analyst
SIGNATURE N/A		**DATE** 7/18/2011

RECEIVED Jul. 18, 2011

FORM 6

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

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333632	LC Tribal 13H-21-46		SESE	21	4S	6W	Duchesne
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18107	7/14/2011			7/20/11	

Comments: Spudding Operation was conducted by Triple A Drilling @ 4:00 pm.
GRRV BHL= SWSW
CONFIDENTIAL

Well 2

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

Comments:

Well 3

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

Comments:

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

RECEIVED
JUL 18 2011
DIV. OF OIL, GAS & MINING

Venessa Langmacher
Name (Please Print)
Venessa Langmacher
Signature
Sr Permit Analyst
Title
7/18/2011
Date

(5/2000)

Print Form

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# HP 319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number LC TRIBAL 13H-21-46
Qtr/Qtr SE/SE Section 21 Township 4S Range 6W
Lease Serial Number 1420H626108
API Number 43-013-33632-00-X1

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

Date/Time 08/15/2011 07:00 AM ☑ PM ☐

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

- ☑ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED
AUG 15 2011
DIV. OF OIL, GAS & MINING

Date/Time 08/15/2011 23:00 AM ☐ PM ☑

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# HP 319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number LC TRIBAL 13H-21-46
Qtr/Qtr SE/SE Section 21 Township 4S Range 6W
Lease Serial Number 1420H626108
API Number 43-013-33632-00-X1

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

Date/Time _____ _____ AM ☐ PM ☐

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

- ☐ Surface Casing
- ☑ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED
AUG 2 3 2011
DIV. OF OIL, GAS & MINING

Date/Time 08/23/2011 23:00 AM ☐ PM ☑

BOPE

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

Date/Time 08/24/2011 11:00 AM ☑ PM ☐

Remarks _____

Print Form

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By Glenn Randel Phone Number 970-623-7078
Well Name/Number #LC Tribal 13H-21-46
Qtr/Qtr SE/SE Section 21 Township 4S Range 6W
Lease Serial Number 1420H626108
API Number 43-013-33632-00-X1

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

Date/Time _____ _____ AM ☐ PM ☐

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

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☑ Liner
- ☐ Other

RECEIVED
AUG 2 8 2011
DIV. OF OIL, GAS & MINING

Date/Time 08/30/2011 01:00 AM ☑ PM ☐

BOPE

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

Date/Time _____ _____ AM ☐ PM ☐

Remarks Completion liner w/swell packers. Will not be cemented.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/31/2011	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

August 2011 Monthly Drilling Activity Report attached.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 9/6/2011

RECEIVED Sep. 06, 2011

Bill Barrett Corporation

#LC Tribal 13H-21-46 fka #16-21-46 8/11/2011 18:00 - 8/12/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	12.00	06:00	1	RIGUP & TEARDOWN	RIG DN GET READY F/ TRUCKC

#LC Tribal 13H-21-46 fka #16-21-46 8/12/2011 06:00 - 8/13/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RIG DN, MOVE RIG UP. BACK YARD SET.SUBS SET.
18:00	12.00	06:00	1	RIGUP & TEARDOWN	PULL WIRES RIG UP BACK YARD. FILL MUD TANKS. WILL PUT DERRICK ON FLOOR TODAY.

#LC Tribal 13H-21-46 fka #16-21-46 8/13/2011 06:00 - 8/14/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	RIG UP ROTARY TOOLS DO SAFTEY INSPECTION
20:00	1.50	21:30	14	NIPPLE UP B.O.P	NIPPLE UP CONDUCTOR. STRAP BHA.
21:30	2.00	23:30	20		PICK UP BHA
23:30	6.50	06:00	21	OPEN	WO MWD TOOL, NEW HAND, BOTH PROBES ON LOC FAILED TO WORK. GO TO OTHER RIG AND GET ONE OF THEIRS. BUILDING NEW TOOL NOW.

#LC Tribal 13H-21-46 fka #16-21-46 8/14/2011 06:00 - 8/15/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	21	OPEN	WO EM TOOL TOTAL OF 7.25 HRS
06:45	0.75	07:30	20	DIRECTIONAL WORK	PICK UP EM AND ORIENTATE.
07:30	1.50	09:00	2	DRILL ACTUAL	DRLG 12 1/4" SURFACE HOLE F/ 104' TO 191'
09:00	0.75	09:45	21	OPEN	FLOOR DISPLAY DID NOT WORK RIG UP NEW ONE. TROUBLE GETING SURVEY.
09:45	5.25	15:00	2	DRILL ACTUAL	DRLG F/ 191' TO 745' (554' IN 5.25 HR = 105.5 FPH) SLIDE:36' IN .75 HR = 48 FPH, ROTATE: 518' IN 4.75 HR = 109.1 FPH. MM SPERRY DRILL 7/8 LOBE 2.9 STAGE .16 GPR 1.5DE ADJ 6.84 BTB.
15:00	0.50	15:30	7	LUBRICATE RIG	RIG SERVICE
15:30	0.50	16:00	22	OPEN	X/O SWAB AND LINER ON #2 PUMP
16:00	7.50	23:30	2	DRILL ACTUAL	DRLG F/ 745' TO 1515' (770' IN7.5 HR = 102.6) SLIDE:
23:30	0.50	00:00	5	COND MUD & CIRC	CIRC. SWEEP.
00:00	1.50	01:30	6	TRIPS	SHORT TRIP IN 8" DCS
01:30	0.50	02:00	5	COND MUD & CIRC	CIRC. COND F/ CASING
02:00	2.00	04:00	6	TRIPS	TOOH, L/D 8" TOOLS.
04:00	2.00	06:00	12	RUN CASING & CEMENT	HSM RIG UP WEATHERFORD AND RUN CASING. FS (1.00) SHOE JT (43.12), FC (1.00), 34 JTS 9 5/8" 36# J55 ST&C CASING (1468.62). LANDED @ 1510'.

#LC Tribal 13H-21-46 fka #16-21-46 8/15/2011 06:00 - 8/16/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	FINISH RUNNING CASING AS DESCRIBED IN IN YESTERDAYS REPORT
07:00	0.50	07:30	5	COND MUD & CIRC	CIRC. W/ RIG PUMP, RIG DN WEATHERFORD, HSM RIG UP HES
07:30	1.50	09:00	12	RUN CASING & CEMENT	SWAP TO HES AND CEMENT. 20 BLS H2O, 40 BLS SUPERFLUSH, 20 BLS H2O, 700 SKS HALCEM CEMENT W/.5% CACL, .125BL POLY-E-FLAKE. DISPLACED 133
09:00	0.50	09:30	15	TEST B.O.P	TEST CASING TO1500# F/ 30 MINS.
09:30	2.50	12:00	13	WAIT ON CEMENT	WO CEMENT.
12:00	1.25	13:15	12	RUN CASING & CEMENT	PICK UP 120' OF 1" PIPE PUMP 83 SKS G CEMENT15.8# 1.15 YEILD. GOT CEMENT TO SURFACE AND IT STAYED.
13:15	3.50	16:45	14	NIPPLE UP B.O.P	CUT OFF AND WELD ON WELL HEAD TEST 1000# F/ 10 MINS.
16:45	3.75	20:30	14	NIPPLE UP B.O.P	NIPPLE UP BOPS. X/O RAMS, NIPPLE UP ORBIT VALVE
20:30	3.25	23:45	15	TEST B.O.P	TEST BOP. TEST ALL RAMS AND VALVES TO 5000# F/ 10 MINS, TEST ANNULAR TO 2500# F/ 10 MINS.
23:45	0.50	00:15	14	NIPPLE UP B.O.P	INSTALL WEAR BUSHING
00:15	1.25	01:30	20	DIRECTIONAL WORK	P/U BHA OREINTATE EM TOOL
01:30	1.00	02:30	6	TRIPS	TIH
02:30	0.75	03:15	21	OPEN	DRLG CEMENT
03:15	0.25	03:30	22	OPEN	EMW 10.5 160 PSI W/ 8.5 MW @ 1520'
03:30	0.75	04:15	2	DRILL ACTUAL	DRLG 8 3/4" HOLE F/ 1515' TO 1614' MM63/4" SPERRY DRILL 7/8 LOBE 3.3 STAGE .15 GPR 1.5 FIXED BEND 4.90' BTB.
04:15	0.75	05:00	20	DIRECTIONAL WORK	WORK ON EM TOOLS
05:00	0.50	05:30	5	COND MUD & CIRC	LOST CIRC @ 1612' 200 BLS
05:30	0.50	06:00	2	DRILL ACTUAL	DRLG F/ 1614 TO 1708' (94' IN .5 HR 188 FPH), SLIDE: 12' IN .25 HR = 48 FPH ROTATE: 82' IN.25 HR = 328 FPH.

#LC Tribal 13H-21-46 fka #16-21-46 8/16/2011 06:00 - 8/17/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.25	15:15	2	DRILL ACTUAL	DRLG F/ 1708' TO 2957' (1249' IN 9.25 HR = 135 FPH), SLIDE: 87' IN 1.75 HR = 49.7 FPH, ROTATE: 1162' IN 7.5 HR = 154.9 FPH. MM 63/4" SPERRY DRILL 7/8 LOBE 3.3 STAGE .15 GPR 1.5 FIXED BEND 4.90' BTB. LOST COMPLET RETURNS @ 2934'
15:15	1.50	16:45	5	COND MUD & CIRC	BUILD VOLUME MIX LCM LOST 1100 BLS
16:45	0.75	17:30	6	TRIPS	TOOH 15 STDS
17:30	2.00	19:30	5	COND MUD & CIRC	BUILD VOLUME MIX LCM
19:30	1.00	20:30	6	TRIPS	STAGE INHOLE BREAK CIRC. 8STDS IN.
20:30	0.75	21:15	2	DRILL ACTUAL	DRLG F/ 2957' TO 3028' @ 94 FPH
21:15	0.75	22:00	20	DIRECTIONAL WORK	WO MWD
22:00	4.50	02:30	2	DRILL ACTUAL	DRLG F/ 3028' TO 3499' (471' 104.7 FPH) SLIDE: 30' IN 1 HR = 30 FPH, ROTATE: 441' IN 3.5 HR = 126 FPH.
02:30	0.50	03:00	20	DIRECTIONAL WORK	WO MWD
03:00	3.00	06:00	2	DRILL ACTUAL	DRLG F/ 3499' TO 3782' (283' IN 3HR = 94 FPH) SLIDE8' IN .25 HR =32 FPH, ROTATE:275' IN 2.75 HR = 100 FPH.

#LC Tribal 13H-21-46 fka #16-21-46 8/17/2011 06:00 - 8/18/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRLG F/ 3782' TO 4269' (487' IN 10 HR = 48.7 FPH) SLIDE: 53' IN 3.75 HR = 14.1 FPH, ROTATE: 434' IN 6.25 HR = 69.4 FPH. MM 63/4" SPERRY DRILL 7/8 LOBE 3.3 STAGE .15 GPR 1.5 FIXED BEND 4.90' BTB.
16:00	3.00	19:00	6	TRIPS	TOOH F/ BIT
19:00	0.75	19:45	6	TRIPS	CLEAN OUT BIT AND MM PLUGGED W/ SHALE
19:45	1.25	21:00	6	TRIPS	X/O MM AND BIT
21:00	1.00	22:00	21	OPEN	CLEAN MUD TANKS
22:00	0.50	22:30	7	LUBRICATE RIG	RIG SERVICE

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
22:30	2.00	00:30	6	TRIPS	TIH
00:30	0.50	01:00	3	REAMING	WASHTO BOTTOM F/4164
01:00	5.00	06:00	2	DRILL ACTUAL	DRLG F/ 4269 TO 4667' (398' IN 5 HR = 79.6 FPH) SLIDE:53' IN 1.75 HR = 30.3 FPH, ROTATE: 345' IN 3.25 HR = 106.2 FPH. MM 6 3/4" HUNTING 7/8 LOBE 3.5 STAGE .15 GPR 1.5 DEGREE ADJ 6.23 BTB.

#LC Tribal 13H-21-46 fka #16-21-46 8/18/2011 06:00 - 8/19/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	2	DRILL ACTUAL	DRLG F/ 4667' TO 4729' @ 82.7 FPH. MM 6 3/4" HUNTING 7/8 LOBE 3.5 STAGE .15 GPR 1.5 DEGREE ADJ 6.23 BTB.
06:45	0.75	07:30	20	DIRECTIONAL WORK	TROUBLE SHOOT MWD
07:30	1.25	08:45	2	DRILL ACTUAL	DRLG F/ 4729' 4824' (95' IN 1.25 HR = 76 FPH) SLIDE: 15' IN .5 HR = 30 FPH, ROTATE: 80' IN .75 HR = 106.7 FPH.
08:45	1.75	10:30	20	DIRECTIONAL WORK	TROUBLE SHOOT MWD
10:30	3.00	13:30	20	DIRECTIONAL WORK	TOOH F/ MWD
13:30	2.50	16:00	20	DIRECTIONAL WORK	MM PLUGED BIT PLUGGED W/ CUTTINGS, X/O MM, MWD AND ANNTENA SUB ORINTATE.
16:00	2.50	18:30	20	DIRECTIONAL WORK	TIH
18:30	0.50	19:00	20	DIRECTIONAL WORK	WASH 90' TO BOTTOM
19:00	3.00	22:00	20	DIRECTIONAL WORK	TROUBLE SHOOT MWD.
22:00	8.00	06:00	2	DRILL ACTUAL	DRLG F/ 4824 TO 5315' (491' IN 8 HR = 61.4 FPH) SLIDE: 95' IN 3.75 HR = 24.3 FPH ROTATE: 396' IN 4.25 HR = 93.2 FPH.

#LC Tribal 13H-21-46 fka #16-21-46 8/19/2011 06:00 - 8/20/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	2	DRILL ACTUAL	DRLG F/ 5320 TO 6300' (985' IN 7 HR = 140.7 FPH), SLIDE:6' IN .25 HR = 24 FPH, ROTATE: 979' IN 6.75 HR = 145 FPH.
13:00	0.75	13:45	5	COND MUD & CIRC	CIRC. COND F/ KICK OFF PLUG.
13:45	5.00	18:45	6	TRIPS	TOOH, L/D DORICTIONAL TOOLS
18:45	1.00	19:45	6	TRIPS	p/u 25 jts 2 7/8" tubing
19:45	1.00	20:45	6	TRIPS	TIH
20:45	0.50	21:15	7	LUBRICATE RIG	RIG SERVICE SHORT IN SERVICE LOOP
21:15	1.25	22:30	6	TRIPS	TIH
22:30	0.50	23:00	5	COND MUD & CIRC	CIRC.
23:00	1.50	00:30	12	RUN CASING & CEMENT	PUMP CEMENT KICK OFF PLUG. 24 BLS 10# TUNED SPACER, 400 SKS PLUG CHEM 17.5# .94 YEIL, 6 BLS TUNED SPACER, 58 BLS 9.5 DRILLING MUD.
00:30	1.50	02:00	6	TRIPS	TOOH, 30'/MIN TO 4700', CONTINUE TO 4200'
02:00	0.50	02:30	5	COND MUD & CIRC	CIRC.1.5 BOTTOMS UP.
02:30	1.50	04:00	6	TRIPS	TOOH, L/D TUBING
04:00	2.00	06:00	6	TRIPS	P/U BIT , X/O TIH TO 4200'

#LC Tribal 13H-21-46 fka #16-21-46 8/20/2011 06:00 - 8/21/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	13	WAIT ON CEMENT	WOC, CIRC. GOING OVER SHAKERS CLEANING UP MUD
09:30	4.25	13:45	21	OPEN	DRLG CEMENT PLUG TAG @ 4800'. HARD CEMENT @ 5050' TO 5389'
13:45	0.75	14:30	5	COND MUD & CIRC	CIRC. BOTTOMS UP
14:30	0.50	15:00	7	LUBRICATE RIG	RIG SERVICE FIX HOSES ON ST80.
15:00	2.50	17:30	6		TOOH, L/D 6" DCS.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
17:30	1.50	19:00	20	DIRECTIONAL WORK	P/U DIRCTIONAL TOOLS. OREINTATE.
19:00	2.25	21:15	6	TRIPS	TIH
21:15	0.50	21:45	20	DIRECTIONAL WORK	GET MWD WORKING
21:45	2.00	23:45	20	DIRECTIONAL WORK	BUILD TROUGH
23:45	6.25	06:00	2	DRILL ACTUAL	DRLG F/ 5348' TO 5425' (77' IN 6.25 HR = 12.3 FPH) SLIDE: 68' IN 6 HR = 11.3 FPH, ROTATE: 9 ' IN .25 HR = 36 FPH. MM 6 3/4" SPERRY DRILL 6/7 LOBE 5 STAGE .29 GPR 2 DEGREE BEND 4.82 BTB.

#LC Tribal 13H-21-46 fka #16-21-46 8/21/2011 06:00 - 8/22/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.25	14:15	2	DRILL ACTUAL	DRLG F/5425' TO 5642' BUILDING CURVE (217' IN 8.25 HR = 26.3 FPH) SLIDE:197' IN 6.75 HR = 29.1 FPH, ROTATE: 20' I IN 1.5 HR = 20 FPH. MM 6 3/4" SPERRY DRILL 6/7 LOBE 5 STAGE .29 GPR 2 DEGREE BEND 4.82 BTB.
14:15	0.25	14:30	5	COND MUD & CIRC	CIRC.
14:30	3.00	17:30	20	DIRECTIONAL WORK	TOOH F/ MWD NO GAMMA.
17:30	1.00	18:30	20	DIRECTIONAL WORK	UNPLUG BIT AND MM FULL OF CUTTINGS
18:30	1.50	20:00	20	DIRECTIONAL WORK	WORK ON MWD. DID NOT HAVE ENOUGH PARTS TO BUILD PROBE WITH OUT TAKING APRT OLD ONE.
20:00	1.00	21:00	20	DIRECTIONAL WORK	P/UMWD ORIENTATE
21:00	3.00	00:00	20	DIRECTIONAL WORK	TIH
00:00	0.50	00:30	20	DIRECTIONAL WORK	RELOG GAMA F/ 5400' TO BOTTOM
00:30	0.25	00:45	2	DRILL ACTUAL	DRLG F/ 5642' TO 5647' SLIDING
00:45	1.00	01:45	5	COND MUD & CIRC	LOST RETURNS, MIX LCM 20% SWEEP. BUILD VOLUME
01:45	4.25	06:00	2	DRILL ACTUAL	DRLF F/ 5647 TO 5700' (53' IN 4.25 HR = 12.5 FPH) ALL SLIDING. 1.5' HIGH AND 9.34' LEFT OF PLAN.

#LC Tribal 13H-21-46 fka #16-21-46 8/22/2011 06:00 - 8/23/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	2	DRILL ACTUAL	DRLG F/ 5700' TO 5930' (230' IN 12 HR = 19.2 FPH) SLIDE: 208' IN 11.5 HR = 18.1 FPH, ROTATE: 22' I .5 HR = 44 FPH. MM 6 3/4" SPERRY DRILL 6/7 LOBE 5 STAGE .29 GPR 2 DEGREE BEND 4.82 BTB.
18:00	1.00	19:00	2	DRILL ACTUAL	DRLG F/ 5930 TO 5956' @ 26 FPH SLIDING
19:00	0.50	19:30	7	LUBRICATE RIG	RIG SERVICE
19:30	8.25	03:45	2	DRILL ACTUAL	DRLG F/ 5956' TO 6082' (126' IN 8.25 HR = 15.2 FPH)
03:45	0.50	04:15	20	DIRECTIONAL WORK	WO MWD
04:15	1.25	05:30	2	DRILL ACTUAL	DRLG F/6170 TO 6205' (35' IN 1.25 HR = 28 FPH) SLIDE 6' IN .75 HR = 8 FPH, ROTATE: 29' IN .5 HR = 58 FPH. 4.71 LEFT 2.01' BELOW PLAN.
05:30	0.50	06:00	5	COND MUD & CIRC	CIRC. BOTTOMS UP

#LC Tribal 13H-21-46 fka #16-21-46 8/23/2011 06:00 - 8/24/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	CIRC. BOTOMS UP
06:30	6.25	12:45	6	TRIPS	TOOH, L/D DIRCTIONAL TOOLS, P/U DUEL REAMERS TIH
12:45	6.25	19:00	3	REAMING	REAM F/ 5348' TO 6205'
19:00	3.50	22:30	5	COND MUD & CIRC	LST RETURN 10 MINS AFTER RECHING BOTTOM. MIX LCM BUILD VOLUME. CIRC. BOTTOMS UP
22:30	1.75	00:15	6	TRIPS	LDDP
00:15	0.50	00:45	7	LUBRICATE RIG	RIG SERVICE, WO ST80

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
00:45	1.25	02:00	6	TRIPS	LDDP
02:00	0.50	02:30	14	NIPPLE UP B.O.P	PULL WEAR BUSHING
02:30	3.50	06:00	12	RUN CASING & CEMENT	HSM, RIG UP WEATHERFORD AND RUN CASING. DETAILS ON NEXT REPORT.

#LC Tribal 13H-21-46 fka #16-21-46 8/24/2011 06:00 - 8/25/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	12	RUN CASING & CEMENT	RUN7" CASING FS (1.00), 2 SHOE JTS (85.43) FC (1.00), 140 JTS 7" 23# HCP110 LT&C CASING (6073.24') LANDING JT 34.37'. MADE UP W/ BESTOLIFE DOPE TO 5900 FT/LB.
10:30	0.50	11:00	12	RUN CASING & CEMENT	REMOVE HYDRAULIC SLIPS & PASS CASING HANGER THRU. RE-RIG HYDRAULIC SLIPS. RIG UP CIRCULATING HOSE TO CASING.
11:00	2.00	13:00	12	RUN CASING & CEMENT	FILL CASING & CIRCULATE 1 1/2 BOTTOMS UP & RECIPROCATE 10' WHILE FINISHING CEMENT RETURN LINES. LANDED @ 6191'.
13:00	1.25	14:15	12	RUN CASING & CEMENT	DRAIN BOP & WASH OUT WELLHEAD W/WATER. LAND HANGER, OBSERVE HANGER IN CORRECT PLACE & TEST HANGER SEALS TO 5000 PSI FOR 5 MIN. SHOE @ 6195', FC @ 6103'. REMOVE CIRCULATING SWEDGE & INSTALL CEMENT HEAD.
14:15	2.00	16:15	12	RUN CASING & CEMENT	TEST CEMENT LINE. DROP BOTTOM PLUG. TAKING RETURNS FROM WELLHEAD TO RESERVE PIT, HOWCO PUMPED 5 BBL WATER, 40 BBL SUPER FLUSH 101 @ 10 PPG, 10 BBL WATER, 365 SX (150.8 BBL) TUNED LIGHT + 0.125 PPS POLY-E-FLAKE + 1 PPS GRANULITE @ 11 PPG, 310 SX (80.6 BBL) POZ PREMIUM 50/50 + 0.3% BWOC HALAD 344 + 5% BWOC MICROBOND + 1 PPS GRANULITE + 0.125 PPS POLY-E-FLAKE + 0.1% BWOC HR-5 @ 13.5 PPG. DISPLACED W/240 BBL WATER. CIP @ 16:08 HRS. HELD 600 PSI OVER FDP (1700 PSI) 10 MIN, BLED BACK 1 3/4 BBL & FLOATS HELD.
16:15	0.75	17:00	12	RUN CASING & CEMENT	RIG DOWN HOWCO CEMENT LINE & HEAD.
17:00	0.50	17:30	14	NIPPLE UP B.O.P	CHANGE 4 1/2 PIPE RAMS TO 3 1/2.
17:30	8.00	01:30	15	TEST B.O.P	ATTEMPT TO TEST BOP. TEST PLUG LEAKING. O-RING GROOVES RUINED BY ST-80. ATTEMPT TO REPAIR W/O SUCCESS. WHILE WAITING ON ANOTHER TEST PLUG, DRESSED TOP DRIVE, CHANGE GRABBER DIES & SLIP/CUT 14 WRAPS DRILLING LINE & MIX NEW MUD IN TANKS.
01:30	2.25	03:45	6	TRIPS	WHILE WAITING ON ANOTHER TEST PLUG, HELD PJSM W/LAY DOWN CREW & PICKED UP 57 JTS 3 1/2 DP. POH & STAND BACK DP TO CONTINUE ATTEMPTING TO TEST BOP.
03:45	2.00	05:45	15	TEST B.O.P	ATTEMPT TO TEST W/THIRD TEST PLUG & IT LEAKED BY SEALS. PICKED UP A C-22 TEST PLUG & IT SEALED, BUT ONLY TESTED BOP ABOVE 7" CASING HANGER.
05:45	0.25	06:00	6	TRIPS	COMMENCE PICKING UP 6 1/8 HORIZONTAL DRILLING BHA.

#LC Tribal 13H-21-46 fka #16-21-46 8/25/2011 06:00 - 8/26/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	6	TRIPS	PICK UP 6 1/8 HORIZONTAL DRILLING ASSEMBLY. RUN BACK 19 STANDS DP & CONTINUE PICKING UP DP & DC. PULL TRIP NIPPLE & INSTALL ROTATING RUBBER. RIG DOWN LAY DOWN TRUCK.
14:00	0.50	14:30	3	REAMING	MAKE UP TOP DRIVE & WASH 6000-6098'. TAGGED UP ON PLUGS.
14:30	0.50	15:00	15	TEST B.O.P	CLOSE PIPE RAMS & TEST CASING TO 1000 PSI FOR 10 MIN.
15:00	2.00	17:00	3	REAMING	DRILL PLUGS & SHOE TRACK.
17:00	1.50	18:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6205-6284'.
18:30	0.50	19:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
19:00	0.25	19:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6284-6294'.
19:15	1.25	20:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6294-6312'.
20:30	0.50	21:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6312-6332'.
21:00	0.25	21:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6332-6337'.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
21:15	2.75	00:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6337-6474'. GR PROBLEM.
00:00	0.75	00:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6474-6479'. MWD PROBLEM.
00:45	3.25	04:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6479-6617'.
04:00	0.75	04:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6617-6627'.
04:45	1.25	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6627-6670'.

#LC Tribal 13H-21-46 fka #16-21-46 8/26/2011 06:00 - 8/27/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6670-6673'.
06:30	0.75	07:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6673-6712'.
07:15	0.75	08:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6712-6720'.
08:00	0.75	08:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6720-6760'.
08:45	0.75	09:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6760-6766'.
09:30	0.75	10:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6766-6807'.
10:15	0.25	10:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6807-6815'.
10:30	0.50	11:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6815-6856'.
11:00	0.50	11:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6856-6865'.
11:30	1.25	12:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6865-6951'.
12:45	0.50	13:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6951-6957'.
13:15	0.75	14:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6957-6998'.
14:00	0.50	14:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6998-7003'.
14:30	0.75	15:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7003-7045'.
15:15	0.75	16:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7045-7051'.
16:00	0.50	16:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7051-7092'.
16:30	0.75	17:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7092-7098'.
17:15	0.25	17:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7098-7140'.
17:30	0.50	18:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
18:00	0.25	18:15	20	DIRECTIONAL WORK	MWD PROBLEM. CHANGE CHANNELS.
18:15	0.50	18:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7140-7150'.
18:45	0.50	19:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7150-7187'.
19:15	1.25	20:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7187-7202'.
20:30	0.50	21:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7202-7235'.
21:00	0.25	21:15	20	DIRECTIONAL WORK	MWD PROBLEM. CHANGE CHANNELS.
21:15	0.75	22:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7235-7250'.
22:00	0.75	22:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7250-7285'.
22:45	0.25	23:00	20	DIRECTIONAL WORK	MWD PROBLEM. CHANGE CHANNELS.
23:00	0.50	23:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7285-7295'.
23:30	6.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7295-7678'.

#LC Tribal 13H-21-46 fka #16-21-46 8/27/2011 06:00 - 8/28/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7678-7757'.
07:15	0.75	08:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7757-7765'.
08:00	0.50	08:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7765-7805'.
08:30	0.75	09:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7805-7811'.
09:15	4.75	14:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7811-8090'.
14:00	0.50	14:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
14:30	0.50	15:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8090-8137'.
15:00	0.50	15:30	20	DIRECTIONAL WORK	HAD ELECTRICAL INTERFERENCE W/MWD (THUNDERSTORM).
15:30	2.75	18:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8137-8282'.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
18:15	0.25	18:30	20	DIRECTIONAL WORK	MWD PROBLEM. ELECTRICAL INTERFERENCE.
18:30	1.00	19:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8282-8290'.
19:30	5.50	01:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8290-8615'.
01:00	1.00	02:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8615-8627'.
02:00	4.00	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8627-8869'.

#LC Tribal 13H-21-46 fka #16-21-46 8/28/2011 06:00 - 8/29/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.50	13:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8869-9328'.
13:30	0.25	13:45	20	DIRECTIONAL WORK	SURVEY.
13:45	1.75	15:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9328-9437' (TD).
15:30	1.75	17:15	5	COND MUD & CIRC	PUMP 20 BBL SUPER SWEEP PILL & CIRCULATE 2X BOTTOMS UP. RECIPROCATE & ROTATE @ 80 RPM.
17:15	5.25	22:30	6	TRIPS	POH WET TO 7" SHOE. PUMP SLUG & POH. LAY DOWN SPERRY TOOLS.
22:30	2.50	01:00	6	TRIPS	MAKE UP 6" TANDEM REAMER BHA: BULLNOSE, FLOAT SUB, 6" WATERMELON REAMER, 3 1/2 DP PUP, 6" WATERMELON REAMER, DP/DC TO SURFACE. RIH TO 7" SHOE.
01:00	5.00	06:00	3	REAMING	REAM OPEN HOLE FROM SHOE TO 7412' W/100 RPM & 405 GPM & 3000 PSI @ 300 FPH. RE-REAM PLACES W/TORQUE OVER 1000 FT/LB ABOVE NORMAL.

#LC Tribal 13H-21-46 fka #16-21-46 8/29/2011 06:00 - 8/30/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	UT	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.25	15:15	3	REAMING	REAM OPEN HOLE 7412-9437 (TD). RE-REAM SPOTS W/MORE THAN 1000 FT/LB TORQUE OVER NORMAL.
15:15	0.50	15:45	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
15:45	1.25	17:00	5	COND MUD & CIRC	PUMP 20 BBL SUPER SWEEP PILL & CIRCULATE 2X BOTTOMS UP RECIPROCATING & ROTATING 100 RPM..
17:00	4.75	21:45	6	TRIPS	DROPPED 2" DRIFT. POH WET TO SHOE. PUMP SLUG & CONTINUE TO POH. RECOVERED DRIFT. LAY DOWN REAMING BHA.
21:45	0.75	22:30	12	RUN CASING & CEMENT	INSTALL WATER BUSHING ON TOP DRIVE, INSTALL TRIP NIPPLE, RIG UP WEATHERFORD CASING RUNNING TOOLS & RIG UP LAY DOWN TRUCK.
22:30	5.50	04:00	12	RUN CASING & CEMENT	RUN 4150.74' OF 4 1/2 LINER W/16 SWELL PACKERS, 1 DSI SUB & 14 STIM SLEEVES. PUMPED THRU SHOE TRACK.
04:00	1.50	05:30	22	OPEN	WAIT ON HALLIBURTON LINER HANGER WHILE CIRCULATING LINER AT 113 GPM. HANGER ARRIVED 04:50 HRS. UNLOAD TOOL, STRAP & PREP FOR RUNNING.
05:30	0.50	06:00	12	RUN CASING & CEMENT	PICK UP & MAKE UP HALLIBURTON VERSAFLEX LINER HANGER. RIG DOWN LAY DOWN FLAG & CASING RUNNING TOOLS.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 9/30/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Attached is the September 2011 monthly drilling activity report.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 10/5/2011

RECEIVED Oct. 05, 2011

Bill Barrett Corporation

LC Tribal 13H-21-46 fka 16-21-46 9/3/2011 06:00 - 9/4/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	DTIM	Downtime	WSI And Secured, Via Night Cap
07:00	1.34	08:20	SRIG	Rig Up/Down	SLB W/L Arrive On Location, R/U Shweppe And CBL Tool, Remove Night Cap. Overlooked Fact That There Was 995' Of 4.5" Liner In 7" Inter., Junk Basket And Gauge Ring On W/L Too Big, Made Decision To RIH With Tool W/O Gauge Ring/Junk Basket Run.
08:20	4.66	13:00	LOGG	Logging	RIH With CBL/CCL/ Gamma Ray Logging Tools, Fluid Level At 1000', Pick Up On E-Line, Run Log Strip From 4,900' to 4,700', Con't RIH, Saw Liner Top At 5240'. Con't RIH To 6052', Stacking Out On Obstruction, 143' From Bottom Of Liner, Tried Three Times To Break Through, Not Sticky When Pulling Up Hole. Start Logging From 6052'. Log UpTo 4200' 1040' Above Liner Top, Drop Down To 5300', Start Main Pass. 5240 - 4340 Poor Bond, 4340 - 4180 Very Good, 4180 - 3000 Poor, 3000 - 2000 Good To Poor. Stopped Logging To Wait On Water Truck To Top Off Hole With 3% KCL, Took Approx. 45 Bbls., Con't Logging, TOC At 1970', Logged Up To Surface.
13:00	1.00	14:00	SRIG	Rig Up/Down	R/D Tool And Truck. Install Night Cap.
14:00	16.00	06:00	DTIM	Downtime	Well Capped And Secure

LC Tribal 13H-21-46 fka 16-21-46 9/5/2011 06:00 - 9/6/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI., Wait on Cameron Tbg. Head.

LC Tribal 13H-21-46 fka 16-21-46 9/7/2011 06:00 - 9/8/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	SRIG	Rig Up/Down	MIRU w/o Rig.
10:00	20.00	06:00	LOCL	Lock Wellhead & Secure	WSI.

LC Tribal 13H-21-46 fka 16-21-46 9/8/2011 06:00 - 9/9/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety meeting
07:30	5.00	12:30	IWHD	Install Wellhead	NU Tbg. Head w/ Mandrel, Couldnt get a test on mandrel, Cameron will inject packing to get a test in the a.m.
12:30	0.50	13:00	BOPI	Install BOP's	NU BOP
13:00	0.50	13:30	SRIG	Rig Up/Down	RU work floor, & Hydrawalk.
13:30	2.00	15:30	GOP	General Operations	Unload Csg, Drift Clean, inspect & Talley Csg.
15:30	0.50	16:00	LOCL	Lock Wellhead & Secure	Secure well SDFN.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI.

LC Tribal 13H-21-46 fka 16-21-46 9/9/2011 06:00 - 9/10/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	6,300.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	3.00	10:30	PTST	Pressure Test	After pumping 21 sticks of packing, Test void below tbg. head to 8500# held good.
10:30	4.00	14:30	RUTB	Run Tubing	PU 14' Seal assembly, 123 Jts 4 1/2" P110 11.6# Csg., 4' pup & Hanger, Landed hanger w/ 30k down.
14:30	0.50	15:00	PTST	Pressure Test	Pressure tested backside 2000# held good.
15:00	1.00	16:00	SRIG	Rig Up/Down	RD Csg. equip. & work floor.
16:00	0.50	16:30	BOPR	Remove BOP's	ND BOP, NU Night cap.
16:30	1.00	17:30	SRIG	Rig Up/Down	RDMO w/o Rig.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	Secure well, SDFN

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 10/31/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

October 2011 Monthly Drilling Activity Report attached.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 11/3/2011

RECEIVED Nov. 03, 2011

Bill Barrett Corporation

LC Tribal 13H-21-46 fka 16-21-46 10/1/2011 06:00 - 10/2/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Prep location for frac, HES set water manifold, batched frac tanks with BE-6, Contractor crew finished insulating flow lines.

LC Tribal 13H-21-46 fka 16-21-46 10/2/2011 06:00 - 10/3/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured, Clean out cellar, prep location for frac.

LC Tribal 13H-21-46 fka 16-21-46 10/3/2011 06:00 - 10/4/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Frac tree shut in and secured. Heated Frac tanks to 105*, Set HES Mountain movers, started hauling in frac sand. Moved super heaters to 1H-27-46.

LC Tribal 13H-21-46 fka 16-21-46 10/4/2011 06:00 - 10/5/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Hauling frac sand into location, MIRU Halliburton frac equipment, R/up ball drop trailer. Heating completion pit on the 1H-27-46.
06:00	24.00	06:00	SRIG	Rig Up/Down	Heated Frac Pit On 1H To 95 Degrees, MIRU HES Frac Crew And Equipment And BallDropper For Sleeves. Mic'd Balls And Loaded Into Ball Dropper, Will Set DSI Ball In WellHead In AM

LC Tribal 13H-21-46 fka 16-21-46 10/5/2011 06:00 - 10/6/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	GOP	General Operations	HES Frac Crew On Location @ 05:30. Service, And Start Equipment. RU 3 Fluid Pumps, And BackSide Pump, Run Quality Control Checks On Chemicals, Sand, And Fluid. Prime - Up Chemical Pumps And HHP.
07:30	0.50	08:00	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
08:00	0.17	08:10	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Panther Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 2200#. Will Maintain Around 2500# During Fracs. Equalize. SICP- 0#.
08:10	1.33	09:30	FRAC	Frac. Job	Drop 1.625" DSI Shifting Ball, And Displace At 20 bpm, To 1000 Gallons Before DSI. Slowed Rate To 10 Bpm. Shifted DSI @ 9321', At 4210 Psi. (- 160 Gallons Casing Volume). Pumped Hybor G 17 Fluid System(21#), 23800 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 35800 # 20/40 Premium White Sand In 2 Sand Stages (2.0#, 2.5#), 44.6% Of Design Volume. Pumped 1947 Bbls BWTR. 80,386 Gals. Clean Fluid. Max Rate 50.4 Bpm Max. Pressure 6087 Psi.. Avg. Rate 44.7 Bpm Avg. Pressure 5274 Psi. Drop 1.875" Shifting Ball 91 Bbls. Into Flush, And Displace Ball @ 50 bpm At 4100 Gals. Into Flush, Slowed Rate To 14 Bpm At 500 Gals. To Sleeve, Did Not Shift Sleeve At 9097'. +2300 Gals. Over Calculated Volume. ShutDown, Dropped Second Ball Into Frac Tree. ISDP - 1532#, .70 F.G.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:30	1.34	10:50	FRAC	Frac. Job	Pump Second 1.875" Ball Down To Sleeve, No Shift Seen, Pressure Indicates It Did. Frac Into Interval #2 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 26700 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 84900 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#), 73% Of Designed Volume. Pumped 2379 Bbls BWTR. 94,815 Gals. Clean Fluid.Max Rate 50.9 Bpm Max. Pressure 4703 Psi. Avg. Rate 49.2 Bpm Avg. Pressure 4349 Psi. Drop 2.000" Shifting Ball, 81 Bbls. Into Flush And Displace Ball @ 50 bpm To 1000 gallons Before DSS. Slow Rate To 10 Bpm. Did Not Shift DSS @ 8871', + 4700 Gallons Casing Volume. ShutDown, Drop Second Ball In WellHead. ISDP 2120#, .81 F.G..
10:50	1.25	12:05	FRAC	Frac. Job	Pump Second 2.00" Ball Down To Sleeve At 8871', Did Not See Shift, Pressure Indicates It Did. Frac Into Interval #3 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 26800 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 126600 # 20/40 Premium White Sand In 4 Sand Stages (2.0#, 2.5#), 100% Of Designed Volume, Extended 2 And 2.5# Stages. Pumped 2733 Bbls BWTR. 109,548 Gals. Clean Fluid.Max Rate 51.7 Bpm Max. Pressure 6000 Psi. Avg. Rate 50.7 Bpm Avg. Pressure 5153 Psi. Drop 2.125" Shifting Ball 77 Bbls. Into Flush, And Displace Ball @ 50 bpm To 1000 gallons Before DSS. Slow Rate To 10 Bpm.Shifted DSS @ 8646' At 3201 Psi, (+ 400 Gallons Casing Volume). Bring Rate UpTo 30 Bpm For 1000 Gallons, ShutDown.
12:05	1.08	13:10	FRAC	Frac. Job	ISIP - 1825 Psi, .76 F.G.. Frac Into Interval #4 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 26900 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 108100 # 20/40 Premium White Sand In 2 Sand Stages (2.0# And 2.5#), Cut Sand Early, 87.6% Of Design. Pumped 2446 Bbls BWTR. 98,043 Gals. Clean Fluid. Max Rate 54.4 Bpm Max. Pressure 6145 Psi. Avg. Rate 51.6 Bpm Avg. Pressure 4879 Psi. Drop 2.25"" Shifting Ball, And Displace Ball @ 50 bpm To 500 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 8420' At 4044 Psi (+ 1400 Gallons Casing Volume).
13:10	0.75	13:55	FRAC	Frac. Job	ISIP - 2209 Psi, .82 F.G.. Frac Into Interval #5 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 26800 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), And 92300 # 20/40 Premium White Sand In 2 Sand Stages (2.0# And 2.5#), Cut Sand Early, 77.3% Of Design. Pumped 2143 Bbls BWTR. 85,446 Gals. Clean Fluid. Max Rate 54.8 Bpm Max. Pressure 5746 Psi. Avg. Rate 51.6 Bpm Avg. Pressure 4617 Psi. OverFlush 15 Bbls.To Sleeve At 8420'. ISDP 2873# .94 F.G..
13:55	0.59	14:30	GOP	General Operations	Shut In Well, Secure Equipment And ShutDown
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. Refill Water In 1H Pit And Heat. Refill Slurry Tanks On Location. Refill Sand Movers.

LC Tribal 13H-21-46 fka 16-21-46 10/6/2011 06:00 - 10/7/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	GOP	General Operations	HES Frac Crew On Location @ 05:30. Service, And Start Equipment. Run Quality Control Checks On Chemicals, Sand, And Fluid. Prime - Up Chemical Pumps And HHP.
08:00	0.25	08:15	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
08:15	0.25	08:30	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Panther Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 1500#. Will Maintain Around 1700# During Fracs. Equalize. SICP- 720#.
08:30	1.42	09:55	FRAC	Frac. Job	Drop 2.375" DSS Shifting Ball, And Displace At 15 bpm, To 700 Gallons Before DSI. Slowed Rate To 10 Bpm. Shifted DSS @ 8194', At 3661 Psi. (- 85 Gallons Casing Volume). Pumped Hybor G 17 Fluid System(21#), 29200 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), .5# 100 Mesh Using 21# Linear Fluid And 111000 # 20/40 Premium White Sand In 3 Sand Stages (1.0#,2.0# 2.5#), 90.0% Of Design Volume. Pumped 2966 Bbls BWTR. 120,368 Gals. Clean Fluid. Max Rate 53.2 Bpm Max. Pressure 5316 Psi.. Avg. Rate 44.7 Bpm Avg. Pressure 4036 Psi. Drop 2.50" Shifting Ball 74 Bbls. Into Flush, And Displace Ball @ 50 bpm, Slowed Rate To 10 Bpm At 700 Gals. To Sleeve, Shifted Sleeve At 7968' At 4481#. + 400 Gals. Over Calculated Volume. Brought Rate Upto 30 Bpm For 1000 Gals., Shutdown.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:55	1.42	11:20	FRAC	Frac. Job	ISIP - 1954 Psi, .78 F.G.. Frac Into Interval #7 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 35400 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 162900 # 20/40 Premium White Sand In 3 Sand Stages (1.0#,2.0#,2.5#), 100.0% Of Design. Pumped 3549 Bbls BWTR. 142,053 Gals. Clean Fluid. Max Rate 50.5 Bpm Max. Pressure 3889 Psi. Avg. Rate 46.5 Bpm Avg. Pressure 3530 Psi. Drop 2.625"Shifting Ball 69 Bbls. Into Flush, And Displace Ball @ 50 bpm To 700 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 7743' At 3966 Psi (+ 200 Gallons Casing Volume), Bring Rate UpTo 30 Bpm For 1000 Gals..
11:20	1.17	12:30	FRAC	Frac. Job	ISIP - 2284 Psi, .83 F.G.. Frac Into Interval #8 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 23500 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 90600 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0#,2.5#,3.0#), 100.0% Of Design. Pumped 2403 Bbls BWTR. 96,889 Gals. Clean Fluid. Max Rate 51.0 Bpm Max. Pressure 4928 Psi. Avg. Rate 44.5 Bpm Avg. Pressure 4095 Psi. Drop 2.75" Shifting Ball 64 Bbls. Into Flush, And Displace Ball @ 50 bpm To 700 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 7517' At 3621 Psi (+ 200 Gallons Casing Volume). Bring Rate UpTo 30 Bpm For 1000 Gals..
12:30	1.50	14:00	FRAC	Frac. Job	ISIP - 1962 Psi, .78 F.G.. Frac Into Interval #9 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 29400 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 127200 # 20/40 Premium White Sand In 3 Sand Stages (1.0#,2.0#,2.5#), 100.0% Of Design. Pumped 3021 Bbls BWTR. 121,126 Gals. Clean Fluid. Max Rate 50.4 Bpm Max. Pressure 3727 Psi. Avg. Rate 46. Bpm Avg. Pressure 3423 Psi. Drop 2.875" Shifting Ball 62 Bbls. Into Flush, And Displace Ball @ 50 bpm To 700 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 7291' At 3137 Psi (+ 400 Gallons Casing Volume). Bring Rate UpTo 30 Bpm For 1000 Gals..
14:00	1.33	15:20	FRAC	Frac. Job	ISIP - 2000 Psi, .79 F.G.. Frac Into Interval #10 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 29700 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 127000 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0#,2.5#,3.0#), 100.0% Of Design. Pumped 2926 Bbls BWTR. 117,768 Gals. Clean Fluid. Max Rate 51.2 Bpm Max. Pressure 3689 Psi. Avg. Rate 46.4 Bpm Avg. Pressure 3251 Psi. Flushed To 15 Bbls. Over Sleeve Volume. ISDP - 2094# .80 F.G..
15:20	0.67	16:00	GOP	General Operations	HES ShutDown And Secure Equipment. Travel To Vernal.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Bring In Remaining Water To 1H Pit, Refill KCL Slurry, Refill Movers. Heat Water At 1H. SDFD.

LC Tribal 13H-21-46 fka 16-21-46 10/7/2011 06:00 - 10/8/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.42	07:25	GOP	General Operations	HES Frac Crew On Location @ 05:30. Service, And Start Equipment. Run Quality Control Checks On Chemicals, Sand, And Fluid. Prime - Up Chemical Pumps And HHP.
07:25	0.25	07:40	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
07:40	0.08	07:45	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Panther Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 2000#. Will Maintain Around 1800# During Fracs. Equalize. SICP- 850#.
07:45	1.50	09:15	FRAC	Frac. Job	Drop 3.000" DSS Shifting Ball, And Displace At 20 bpm, To 700 Gallons Before DSS. Slowed Rate To 10 Bpm. Shifted DSS @ 7065', At 2860 Psi. (- 100 Gallons Casing Volume). Frac Into Interval #11 With Hybor G 17 Fluid System(21#), 29500 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#), .5# 100 Mesh Using 21# Linear Fluid And 126900 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0# 2.5#,3.0#), 100.0% Of Design Volume. Pumped 3078 Bbls BWTR. 123,703 Gals. Clean Fluid. Max Rate 50.9 Bpm Max. Pressure 3744 Psi.. Avg. Rate 45.6 Bpm Avg. Pressure 3258 Psi. Drop 3.125" Shifting Ball 74 Bbls. Into Flush, And Displace Ball @ 50 bpm, Slowed Rate To 10 Bpm At 700 Gals. To Sleeve, Shifted Sleeve At 6840' At 3707#. + 300 Gals. Over Calculated Volume. Brought Rate Upto 30 Bpm For 1000 Gals., Shutdown.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:15	1.09	10:20	FRAC	Frac. Job	ISIP - 1760 Psi, .74 F.G.. Frac Into Interval #12 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 25700 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 103000 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0#,2.5#,3.0#), 100.0% Of Design. Pumped 2492 Bbls BWTR. 104,303 Gals. Clean Fluid. Max Rate 51.7 Bpm Max. Pressure 3781 Psi. Avg. Rate 45.3 Bpm Avg. Pressure 3135 Psi. Drop 3.280" Shifting Ball 79 Bbls. Into Flush, And Displace Ball @ 50 bpm To 700 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 6656' At 3870 Psi (+ 300 Gallons Casing Volume), Bring Rate UpTo 30 Bpm For 1000 Gals..
10:20	2.00	12:20	FRAC	Frac. Job	ISIP - 1957 Psi, .78 F.G.. Frac Into Interval #13 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 25700 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 102300 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0#,2.5#,3.0#), 100.0% Of Design. Pumped 2554 Bbls BWTR. 103,273 Gals. Clean Fluid. Max Rate 51.1 Bpm Max. Pressure 3974 Psi. Avg. Rate 46.7 Bpm Avg. Pressure 3124 Psi. Drop 3.443"Shifting Ball 68 Bbls. Into Flush, And Displace Ball @ 50 bpm To 700 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 6473' At 4119 Psi (+ 250 Gallons Casing Volume), Bring Rate UpTo 30 Bpm For 1000 Gals..
12:20	2.34	14:40	FRAC	Frac. Job	ISIP - 2110 Psi, .80 F.G. Wait 1 Hr. On Sand. Frac Into Interval #14 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 25700 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 102200 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0#,2.5#,3.0#), 100.0% Of Design. Pumped 2555 Bbls BWTR. 103,110 Gals. Clean Fluid. Max Rate 51.1 Bpm Max. Pressure 3862 Psi. Avg. Rate 44.5 Bpm Avg. Pressure 3254 Psi. Drop 3.615"Shifting Ball 69 Bbls. Into Flush, And Displace Ball @ 50 bpm To 700 gallons Before DSS. Slow Rate To 10 Bpm Shifted DSS @ 6290' At 3703 Psi (+ 250 Gallons Casing Volume), Bring Rate UpTo 30 Bpm For 1000 Gals..
14:40	1.00	15:40	FRAC	Frac. Job	ISIP - 2293 Psi, .84 F.G.. Wait 1 Hr. 20 Min. On Sand. Frac Into Interval #15 With Hybor G 21# System As Designed. Pumped Pumped Hybor G 17 Fluid System(21#), 24560 # Of 100 Mesh Sand In 2 Sand Stages (0.5#, 1.0#),.5# 100 Mesh Using 21# Linear Fluid And 106940 # 20/40 Premium White Sand In 4 Sand Stages (1.0#,2.0#,2.5#,3.0#), 100.0% Of Design. Pumped 2476 Bbls BWTR. 98,527 Gals. Clean Fluid. Max Rate 51.7 Bpm Max. Pressure 5105 Psi. Avg. Rate 45.4 Bpm Avg. Pressure 3628 Psi. Flush To 15 Bbls. Over Sleeve Volume. ISDP - 2460# .86 F.G..
15:40	2.33	18:00	GOP	General Operations	WSI And Secured, Bleed Off 4.5 X 7 Annulus To 0 Psi., HES RD Equipment And MOL. Drain Poly Line From 1H, RD Aluminum Manifold On Frac Tanks.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Batch Four Tanks With 3% For CT, Start Bottoming Out Frac Tanks.

LC Tribal 13H-21-46 fka 16-21-46 10/8/2011 06:00 - 10/9/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	GOP	General Operations	CTS traveled to BTR, Chained up Coi tbgl unti and support trucks. Move in location, Safety meeting with coil crew and contactors. Check pressure on well, 850 psi,
09:00	2.00	11:00	SRIG	Rig Up/Down	Moved in CTS and spotted in coil tbg equipment, Rigged up Crane, P/up injector head, R/U pump lines, M/up 2.875" coil connector, pulled tested Connector to 25,000#, filled coil reel with 100* 3% kcl, 33 bbls to fill the reel, Pressure tested coil connector. to 3000 psi. good test. Made up, 3.5" Stabilizer, 2.875" MHA , 2.875" Dual Circ Sub, 2.875" Motor and 3.701" carbide Cowboy Mill. Attached Injector head and lubricator, pressure tested to 4500 psi, good test, bled pressure down to 1000 psi, equalized wellhead pressure, open 4 1/16' master valve. Started in the hole with Drill out assembly.
11:00	0.75	11:45	TRIP	Tripping	Opened well on the 14/64" choke, worked choke open to 24/64" choke with 700 psi on the well, RIH with coil tbg and drill out assembly.
11:45	1.00	12:45	DOPG	Drill Out Plugs	Increased pump rate to 2.5 bpm, with 3.5 bpm in returns. Tagged DSS @ 6290', drilled through Sleeve, continued to drill through sleeves @ 6473', 6656', 6840', 7065', 7065' pump rate 2.5 bpm and flow rate @ 3.5 bpm, wellhead pressure @ 675 psi, pump 10 bbl gel sweep in between sleeve drill outs. RIH to DSS @ 7291', tagged DSS, Pooh with coil @ 65' fpm to vertical section. Pump 20 bbl gel sweeps,
12:45	1.00	13:45	TRIP	Tripping	Wiper trip to 5500'. RIH back in the hole to 7291', tag DSS @ 7291'.
13:45	1.25	15:00	DOPG	Drill Out Plugs	Drilled out DSS's @ 7291', 7517', 7743', 7968', 8,194', Pumped 10 bbl gel sweep's in between sleeves, Continued to RIH and Tagged DSS @ 8420', Pumped a 20 bbl gel sweep.

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	1.50	16:30	TRIP	Tripping	Pooh with coil tbg @ 60' fpm, pulled to 5500', completed wiper trip, RIH with coil tbg, tagged DSS @ 8420'.
16:30	1.00	17:30	DOPG	Drill Out Plugs	Drilled out DSS @ 8420' and continued to drill out DSS's from 8648', 8871', 9097', Wash down to DSI @ 9321',
17:30	0.75	18:15	CLN	Clean Out Hole	Increase pump rate to 3.0 bpm, pump 50 bbl gel sweep, Circulated and clean hole.
18:15	1.00	19:15	TRIP	Tripping	Pooh with coil tbg and Drill out assembly. Started to see a pressure difference between the well head and sand trap.,
19:15	3.00	22:15	GOP	General Operations	Secured Coil tbg above the swab valve, closed the master valve, broke apart flow line, found ball composite material stuck in the target tee at the well head, Disconnected lubricator, broke apart and laid down motor and bit assembly, bit was still in good condition. instilled injector head in top of wellhead, pumped n2, blew reel dry, disconnected injector head and R/D coil tbg equipment, N/D coil tbg bop, installed 4 1/16" 10k night cap. Open well to flow back. 650 psi on the casing, opened well on a 26/64" with 2.0 bpm in returns @ 650 psi.
22:15	8.00	06:15	FBCK	Flowback Well	Continued to flow the well throughout the night.

LC Tribal 13H-21-46 fka 16-21-46 10/9/2011 06:00 - 10/10/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	Released for Work	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	FBCK	Flowback Well	Con't to flow well through flow back system, shut in to completed flow line configuration, turned well over to production. As of 05:00 Choke 30/64" Csg # 350 BORL24hr- 0 BWRL24hr- 2762 MCF- .28 BWLTR- 34,662 Total Oil- 0 Total water- 1% oil, 99% water. No sand,

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-6108

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
Gas Well

8. WELL NAME and NUMBER:
LC TRIBAL 13H-21-46

2. NAME OF OPERATOR:
BILL BARRETT CORP

9. API NUMBER:
43013336320000

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:
0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 21 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 10/9/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

This sundry is being submitted to notify that this well had first gas sales on 10/9/2011 and first oil sales on 10/12/2011.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Venessa Langmacher	303 312-8172	Senior Permit Analyst
SIGNATURE		**DATE**
N/A		10/14/2011

RECEIVED Oct. 14, 2011

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6108

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 11/30/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

November 2011 Monthly Drilling Report attached.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 12/5/2011

RECEIVED Dec. 05, 2011

Bill Barrett Corporation

LC Tribal 13H-21-46 fka 16-21-46 11/17/2011 06:00 - 11/18/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	2.00	09:00	RMOV	Rig Move	KIL WELL W/ 100 BBLS MOVE IN R/U
09:00	3.00	12:00	GOP	General Operations	WAIT ON CASING CREW
12:00	2.00	14:00	GOP	General Operations	R/U CASING CREW PULL HANGER UP AND BREAK OFF LAY DOWN
14:00	3.00	17:00	PULT	Pull Tubing	POOH LAYING DOWN CASING LAY DOWN 69 JTS SWIFN
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	DWON TIL MORNING

LC Tribal 13H-21-46 fka 16-21-46 11/18/2011 06:00 - 11/19/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL KILL WELL
07:00	4.00	11:00	GOP	General Operations	FINSIH LAYING DOWN CASING
11:00	4.00	15:00	PULT	Pull Tubing	RIH PICKING UP TUBING P/U 130 JTS POOH W/ 65 STANDS SHUT WELL IN FOR NIGHT
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	DOWN TIL MORNING

LC Tribal 13H-21-46 fka 16-21-46 11/21/2011 06:00 - 11/22/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	1.00	08:00	BOPI	Install BOP's	INSTALL LANDING FLANGE N/U BOP & HYDRIL
08:00	5.00	13:00	GOP	General Operations	WAIT ON S.J.
13:00	17.00	06:00	LOCL	Lock Wellhead & Secure	DOWN TIL MORNING

LC Tribal 13H-21-46 fka 16-21-46 11/22/2011 06:00 - 11/23/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33632	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	9,437.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	6.00	13:00	GOP	General Operations	WAIT ON S J TO GET PUMP READY TO P/U P/U PUMP AND MOTOR BAND ADOMIZER AND CAP STRING ON TO PUMP COME DOWN BREAK ADOMIZER OFF AND DROPPED DOWN HOLE RIH W/ 2 JTS DRAIN SUB

Bill Barrett Corporation

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	3.00	16:00	RUTB	Run Tubing	RIH W/ 120 JTS BANDING CABLE AND CAP STRING TO TUBING IN THE HOLE BULL PLUG 4 JTS DESANDER MOTOR INTAKE PUMPS 2 JTS DRAIN SUB 120 JTS HANGER
16:00	2.00	18:00	GOP	General Operations	MAKE WELL HEAD SPLICES LAND TUBING
18:00	1.00	19:00	BOPR	Remove BOP's	N/D HYDRILL & BOP N/U WELL HEAD
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	TURN OVER TO PRODUCTION

CONFIDENTIAL

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. 1420H626108

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No.: LC TRIBAL 13H-21-46

3. Address: 1099 18TH STREET SUITE 2300, DENVER, CO 80202

3a. Phone No. (include area code): Ph: 303-299-9949

9. API Well No.: 43-013-33632

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: SESE 446FSL 625FEL

At top prod interval reported below: SESE 734FSL 1261FEL

At total depth: SWSW 755FSL 803FWL 903 FWL

10. Field and Pool, or Exploratory: ALTAMONT

11. Sec., T., R., M., or Block and Survey or Area: Sec 21 T4S R6W Mer UBM

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 07/14/2011

15. Date T.D. Reached: 08/28/2011

16. Date Completed: ☐ D & A ☒ Ready to Prod. 10/09/2011

17. Elevations (DF, KB, RT, GL)*: 7157 GL

18. Total Depth: MD 9437 TVD 5781

19. Plug Back T.D.: MD 9372 TVD 5784 5762

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL, GAMMA, TEMPERATURE

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
24.000	16.000 COND	84.0	0	104	104			0	
12.250	9.625 J-55	36.0	0	1515	1510	700	166	0	
8.750	7.000 HCP-110	23.0	0	6205	6195	675	231	3296	
6.125	4.500 HCP-110	11.6	0	9437	9417				

24. Tubing Record

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

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	GREEN RIVER	6290	9324	6290 TO 9324			SLOTTED SLEEVES
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
6290 TO 9324	GREEN RIVER: SEE TREATMENT STAGES 1 - 15

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/09/2011	10/17/2011	24	→	773.0	688.0	847.0	52.0		FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
30/64		500.0	→	773	688	847	890	POW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

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

RECEIVED
NOV 10 2011
DIV. OF OIL, GAS & MINING

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

ELECTRONIC SUBMISSION #122942 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	1871
				MAHOGANY	2401
				DOUGLAS CREEK	4434
				BLACK SHALE	5189
				CASTLE PEAK	5425
				UTELAND BUTTE	5900
				CR 1	6034
				TD	9437

32. Additional remarks (include plugging procedure):
TOC was calculated by CBL. CBL and logs were mailed due to file size. First gas sales was on 10/9/2011. First oil sales was on 10/12/2011. Conductor was set with grout. Production liner was not cemented. Stimulation Sleeves were used to complete well, atttached is swell packer and stimulation sleeve placement data.

Pilot Hole Total Depth is at 6300' MD, 6293' TVD. The Kick off Point to begin drilling lateral was at 6285'.

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 #122942 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name *(please print)* MEGAN FINNEGAN Title PERMIT ANALYST

Signature (Electronic Submission) Date 11/10/2011

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

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

LC Tribal 13H-21-46 Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
Stage	***Bbls Slurry***	***lbs 20/40 White Sand***	***lbs 100 Mesh Sand***
1	1,980	35,800	23,800
2	2,379	84,900	26,700
3	2,773	126,600	26,800
4	2,478	108,100	26,900
5	2,163	92,300	26,800
6	3,015	111,000	29,200
7	3,596	162,900	35,400
8	2,429	90,600	23,500
9	2,832	127,200	29,400
10	2,968	127,000	29,700
11	3,113	105,000	29,500
12	2,620	81,600	25,700
13	2,596	81,400	25,700
14	2,590	102,200	25,700
15	2,487	82,600	24,560

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

CONFIDENTIAL

Company: Bill Barrett Corporation
State: Utah
Well Name: LC Tribal 12H-28-46

Date: 8/8/2011
County: Duchesne

DESCRIPTION	DEPTH	
	BOTTOM	TOP
DSI	9474.67	9459.9
Swell Packer #1	9375.2	9332.84
DSS #1	9248.12	9234.13
Swell Packer #2	9107.08	9064.8
DSS #2	9022.52	9008.55
Swell Packer #3	8923.89	8881.5
DSS #3	8796.85	8782.87
Swell Packer #4	8698.22	8655.86
DSS #4	8571.15	8557.17
Swell Packer #5	8472.44	8430.15
DSS #5	8345.5	8331.52
Swell Packer #6	8246.84	8204.53
DSS #6	8119.96	8105.98
Swell Packer #7	8063.61	8021.25
DSS #7	7894.33	7880.34
Swell Packer #8	7796.6	7754.25
DSS #8	7669.7	7654.73
Swell Packer #9	7570.08	7527.75
DSS #9	7443.07	7429.06
Swell Packer #10	7302.12	7259.77
DSS #10	7217.46	7203.52
Swell Packer #11	7118.86	7076.5
DSS #11	6991.84	6977.91
Swell Packer #12	6893.25	6850.87
DSS #12	6766.28	6752.3
Swell Packer #13	6667.61	6625.3
DSS #13	6540.59	6526.64
Swell Packer #14	6484.29	6441.92
DSS #14	6314.83	6300.79
Swell Packer #15	6216.21	6173.89
Swell Packer #16	6004.51	5962.16

CONFIDENTIAL

BILL BARRETT CORP

Duchesne County, UT (NAD 1927)
Sec. 21-T4S-R6W
LC Tribal 13H-21-46

Plan A Rev 2 (Lateral)

Survey: Sperry MWD Surveys

Sperry Drilling Services

Standard Report

04 November, 2011

Well Coordinates: 649,445.23 N, 2,262,903.43 E (40° 06' 45.40" N, 110° 33' 35.94" W)
Ground Level: 7,156.00 ft

Local Coordinate Origin:	Centered on Well LC Tribal 13H-21-46
Viewing Datum:	RKB 24' @ 7180.00ft (H&P 319)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 431

HALLIBURTON

Survey Report for LC Tribal 13H-21-46 - Sperry MWD 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	0.00	0.00	0.00	0.00	0.00	0.00
142.00	0.48	254.35	142.00	-0.16	-0.57	0.56	0.34
First Sperry MWD Survey (Pilot Hole) @ 142.00 ft							
225.00	0.45	274.25	225.00	-0.23	-1.23	1.21	0.20
287.00	0.58	261.56	286.99	-0.26	-1.79	1.75	0.28
349.00	0.52	339.85	348.99	-0.04	-2.19	2.18	1.12
403.00	0.45	1.59	402.99	0.40	-2.27	2.30	0.36
464.00	0.55	8.29	463.99	0.93	-2.22	2.30	0.19
525.00	0.44	339.05	524.98	1.44	-2.26	2.39	0.45
587.00	0.61	16.99	586.98	1.98	-2.25	2.42	0.61
648.00	1.10	19.64	647.98	2.84	-1.96	2.21	0.81
709.00	1.22	20.11	708.96	4.00	-1.54	1.90	0.20
770.00	1.23	28.12	769.95	5.19	-1.01	1.48	0.28
832.00	1.21	26.34	831.93	6.36	-0.41	0.98	0.07
893.00	1.27	16.10	892.92	7.59	0.07	0.62	0.38
954.00	1.70	11.46	953.90	9.12	0.44	0.39	0.73
1,015.00	1.95	6.86	1,014.87	11.04	0.74	0.27	0.47
1,076.00	1.79	357.14	1,075.84	13.02	0.82	0.37	0.58
1,137.00	1.75	351.30	1,136.81	14.90	0.63	0.73	0.30
1,167.00	1.79	347.30	1,166.79	15.81	0.45	0.98	0.43
1,230.00	2.61	7.30	1,229.75	18.19	0.42	1.23	1.76
1,293.00	2.83	4.47	1,292.68	21.16	0.72	1.20	0.41
1,355.00	2.57	3.60	1,354.61	24.08	0.93	1.26	0.42
1,418.00	2.60	0.74	1,417.54	26.91	1.04	1.41	0.21
1,447.00	2.35	354.70	1,446.52	28.16	0.99	1.57	1.24
1,555.00	2.62	342.46	1,554.42	32.72	0.04	2.93	0.55
1,649.00	4.19	347.39	1,648.25	38.12	-1.35	4.81	1.70
1,743.00	3.53	352.79	1,742.03	44.34	-2.47	6.48	0.80
1,838.00	3.22	359.94	1,836.87	49.91	-2.84	7.35	0.55
1,932.00	3.20	9.15	1,930.72	55.14	-2.42	7.42	0.55
2,026.00	2.81	0.42	2,024.59	60.04	-1.99	7.43	0.64
2,121.00	3.11	16.36	2,119.47	64.84	-1.25	7.12	0.92
2,215.00	2.41	6.71	2,213.36	69.25	-0.30	6.58	0.89
2,309.00	2.96	355.25	2,307.26	73.63	-0.27	6.95	0.81
2,403.00	2.32	4.17	2,401.16	77.95	-0.33	7.40	0.81
2,500.00	3.01	0.47	2,498.05	82.45	-0.17	7.65	0.73
2,592.00	2.66	1.20	2,589.94	87.00	-0.10	7.99	0.38
2,686.00	2.84	350.87	2,683.83	91.48	-0.42	8.72	0.56
2,780.00	3.19	359.38	2,777.70	96.40	-0.82	9.57	0.60
2,874.00	2.52	6.67	2,871.58	101.06	-0.61	9.78	0.81
2,968.00	3.30	10.18	2,965.46	105.78	0.11	9.49	0.85
3,063.00	4.24	4.36	3,060.26	111.97	0.86	9.31	1.07
3,157.00	4.60	2.49	3,153.98	119.20	1.29	9.54	0.41
3,251.00	4.07	356.55	3,247.71	126.30	1.25	10.22	0.74
3,346.00	3.98	359.61	3,342.47	132.96	1.02	11.05	0.25
3,440.00	3.92	355.77	3,436.25	139.43	0.76	11.89	0.29
3,534.00	4.02	353.01	3,530.02	145.90	0.13	13.11	0.23
3,629.00	4.19	359.52	3,624.78	152.68	-0.31	14.16	0.52
3,723.00	3.92	356.14	3,718.55	159.32	-0.55	15.01	0.38
3,818.00	3.63	357.32	3,813.34	165.56	-0.91	15.93	0.32

Survey Report for LC Tribal 13H-21-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
3,912.00	3.26	1.58	3,907.17	171.21	-0.98	16.51	0.48
4,006.00	3.08	351.90	4,001.03	176.38	-1.26	17.26	0.60
4,100.00	3.17	346.41	4,094.89	181.40	-2.23	18.68	0.33
4,194.00	2.09	345.44	4,188.79	185.59	-3.27	20.09	1.15
4,288.00	2.60	349.29	4,282.71	189.34	-4.10	21.26	0.57
4,383.00	1.75	346.75	4,377.64	192.87	-4.83	22.31	0.90
4,477.00	1.82	354.78	4,471.59	195.76	-5.29	23.03	0.28
4,571.00	2.52	353.69	4,565.52	199.30	-5.66	23.72	0.75
4,665.00	2.46	359.81	4,659.44	203.37	-5.89	24.32	0.29
4,760.00	2.66	15.38	4,754.34	207.53	-5.31	24.12	0.76
4,854.00	2.34	14.06	4,848.25	211.50	-4.27	23.44	0.35
4,948.00	2.58	7.04	4,942.17	215.46	-3.54	23.08	0.41
5,043.00	2.24	7.19	5,037.08	219.42	-3.05	22.94	0.36
5,137.00	1.87	359.75	5,131.02	222.78	-2.82	23.03	0.48
5,231.00	1.67	359.01	5,224.98	225.68	-2.85	23.32	0.21
5,325.00	1.56	349.85	5,318.94	228.31	-3.10	23.81	0.30
Tie-On to MWD Survey (Pilot Hole) @ 5325.00							
5,353.00	1.83	301.28	5,346.93	228.92	-3.55	24.31	5.06
First Sperry MWD Survey (Lateral) @ 5353.00 ft							
5,374.00	3.32	278.72	5,367.91	229.18	-4.44	25.22	8.45
5,406.00	6.87	270.02	5,399.78	229.33	-7.27	28.05	11.32
5,437.00	9.72	268.01	5,430.45	229.24	-11.74	32.49	9.24
5,469.00	12.79	268.24	5,461.83	229.03	-17.98	38.69	9.59
5,500.00	16.16	268.34	5,491.84	228.80	-25.73	46.38	10.87
5,532.00	19.74	270.16	5,522.28	228.69	-35.59	56.19	11.32
5,563.00	23.25	273.16	5,551.12	229.04	-46.93	67.52	11.86
5,594.00	26.48	276.66	5,579.24	230.18	-59.91	80.55	11.45
5,626.00	29.68	276.69	5,607.47	231.93	-74.87	95.61	10.00
5,657.00	33.20	276.53	5,633.92	233.79	-90.93	111.77	11.36
5,689.00	37.03	276.11	5,660.09	235.81	-109.22	130.17	11.99
5,720.00	41.18	276.20	5,684.14	237.91	-128.66	149.71	13.39
5,751.00	44.22	277.58	5,706.92	240.44	-149.53	170.72	10.26
5,783.00	47.74	278.58	5,729.15	243.68	-172.30	193.70	11.23
5,814.00	51.02	279.23	5,749.33	247.32	-195.55	217.18	10.70
5,846.00	53.84	279.04	5,768.84	251.35	-220.59	242.48	8.83
5,877.00	57.39	278.04	5,786.35	255.14	-245.88	268.02	11.76
5,909.00	60.91	276.67	5,802.75	258.65	-273.12	295.46	11.60
5,940.00	65.58	275.92	5,816.71	261.68	-300.63	323.13	15.22
5,971.00	70.33	275.48	5,828.34	264.53	-329.21	351.86	15.38
6,003.00	73.94	275.65	5,838.15	267.49	-359.52	382.31	11.29
6,034.00	74.15	275.74	5,846.67	270.45	-389.18	412.11	0.73
6,066.00	74.54	275.44	5,855.31	273.45	-419.85	442.93	1.52
6,097.00	77.40	274.88	5,862.82	276.15	-449.80	473.00	9.39
6,128.00	82.44	274.41	5,868.25	278.62	-480.21	503.51	16.33
6,157.00	86.97	274.44	5,870.92	280.85	-508.99	532.37	15.62
6,237.00	89.26	272.74	5,873.56	285.85	-588.78	612.29	3.56
6,284.00	89.40	272.61	5,874.11	288.05	-635.73	659.24	0.41
6,332.00	91.92	273.36	5,873.55	290.55	-683.66	707.20	5.48
6,379.00	92.42	273.39	5,871.77	293.31	-730.54	754.14	1.07
6,427.00	92.55	273.16	5,869.69	296.05	-778.42	802.07	0.55
6,474.00	91.81	272.79	5,867.90	298.49	-825.32	849.00	1.76

Survey Report for LC Tribal 13H-21-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
6,522.00	91.71	272.21	5,866.43	300.58	-873.25	896.92	1.23
6,569.00	91.95	271.32	5,864.93	302.03	-920.20	943.81	1.96
6,617.00	91.38	270.95	5,863.53	302.98	-968.17	991.67	1.42
6,664.00	91.18	271.43	5,862.48	303.95	-1,015.15	1,038.54	1.11
6,712.00	91.24	272.44	5,861.47	305.57	-1,063.11	1,086.45	2.11
6,759.00	89.66	273.11	5,861.10	307.85	-1,110.05	1,133.41	3.65
6,808.00	89.26	273.22	5,861.56	310.55	-1,158.98	1,182.37	0.85
6,855.00	91.79	274.45	5,861.13	313.70	-1,205.87	1,229.35	5.99
6,903.00	93.10	274.68	5,859.08	317.51	-1,253.67	1,277.31	2.77
6,950.00	92.46	274.48	5,856.80	321.26	-1,300.46	1,324.25	1.43
6,997.00	92.29	274.79	5,854.86	325.06	-1,347.27	1,371.21	0.75
7,044.00	90.84	274.64	5,853.57	328.92	-1,394.09	1,418.18	3.10
7,092.00	91.92	274.48	5,852.42	332.73	-1,441.92	1,466.17	2.27
7,139.00	93.06	274.23	5,850.38	336.30	-1,488.74	1,513.12	2.48
7,188.00	92.46	273.46	5,848.02	339.58	-1,537.58	1,562.05	1.99
7,235.00	90.44	271.67	5,846.83	341.68	-1,584.51	1,608.98	5.74
7,283.00	91.95	270.80	5,845.83	342.72	-1,632.49	1,656.85	3.63
7,330.00	91.08	270.45	5,844.58	343.23	-1,679.47	1,703.68	2.00
7,377.00	91.65	270.61	5,843.46	343.67	-1,726.45	1,750.51	1.26
7,424.00	91.88	270.56	5,842.02	344.15	-1,773.43	1,797.34	0.50
7,473.00	91.52	270.32	5,840.56	344.52	-1,822.40	1,846.15	0.88
7,520.00	91.21	269.97	5,839.44	344.64	-1,869.39	1,892.95	0.99
7,568.00	91.38	269.60	5,838.36	344.46	-1,917.38	1,940.72	0.85
7,615.00	92.05	269.46	5,836.95	344.07	-1,964.35	1,987.47	1.46
7,662.00	90.47	268.79	5,835.92	343.36	-2,011.34	2,034.19	3.65
7,709.00	92.39	269.35	5,834.75	342.59	-2,058.31	2,080.91	4.26
7,757.00	90.71	269.08	5,833.45	341.94	-2,106.29	2,128.63	3.54
7,804.00	91.32	269.94	5,832.61	341.54	-2,153.28	2,175.39	2.24
7,852.00	90.84	269.99	5,831.71	341.51	-2,201.27	2,223.18	1.01
7,899.00	92.52	270.82	5,830.33	341.84	-2,248.25	2,269.99	3.99
7,947.00	91.28	270.36	5,828.74	342.33	-2,296.22	2,317.81	2.76
7,994.00	90.54	269.91	5,827.99	342.44	-2,343.21	2,364.62	1.84
8,042.00	89.90	269.79	5,827.81	342.32	-2,391.21	2,412.41	1.36
8,089.00	90.90	269.80	5,827.48	342.15	-2,438.21	2,459.19	2.13
8,138.00	89.87	269.55	5,827.15	341.87	-2,487.20	2,507.96	2.16
8,185.00	91.72	269.36	5,826.50	341.42	-2,534.20	2,554.72	3.96
8,234.00	90.51	269.12	5,825.55	340.77	-2,583.18	2,603.45	2.52
8,281.00	92.79	269.67	5,824.19	340.28	-2,630.16	2,650.18	4.99
8,329.00	92.39	269.94	5,822.02	340.11	-2,678.11	2,697.92	1.01
8,376.00	91.11	269.54	5,820.59	339.90	-2,725.08	2,744.68	2.85
8,424.00	90.50	269.60	5,819.91	339.54	-2,773.08	2,792.45	1.28
8,471.00	92.56	269.43	5,818.66	339.14	-2,820.06	2,839.20	4.40
8,520.00	92.15	269.34	5,816.65	338.62	-2,869.01	2,887.90	0.86
8,567.00	91.28	269.01	5,815.24	337.94	-2,915.98	2,934.62	1.98
8,615.00	90.07	269.31	5,814.67	337.24	-2,963.98	2,982.35	2.60
8,662.00	91.08	269.25	5,814.20	336.65	-3,010.97	3,029.09	2.15
8,711.00	92.42	269.14	5,812.71	335.96	-3,059.94	3,077.80	2.74
8,758.00	92.09	269.15	5,810.86	335.26	-3,106.90	3,124.50	0.70
8,806.00	91.34	268.96	5,809.42	334.47	-3,154.87	3,172.20	1.61
8,853.00	90.98	268.65	5,808.47	333.49	-3,201.85	3,218.90	1.01
8,901.00	93.03	268.45	5,806.79	332.27	-3,249.80	3,266.55	4.29

Survey Report for LC Tribal 13H-21-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
8,948.00	93.13	268.23	5,804.26	330.91	-3,296.71	3,313.14	0.51
8,996.00	90.84	267.63	5,802.60	329.18	-3,344.65	3,360.72	4.93
9,043.00	90.81	267.47	5,801.92	327.17	-3,391.60	3,407.30	0.35
9,090.00	92.22	267.63	5,800.68	325.16	-3,438.54	3,453.86	3.02
9,137.00	92.32	267.48	5,798.82	323.16	-3,485.46	3,500.41	0.38
9,185.00	92.93	267.68	5,796.62	321.14	-3,533.37	3,547.93	1.34
9,232.00	93.03	267.17	5,794.18	319.03	-3,580.26	3,594.44	1.10
9,280.00	94.11	267.50	5,791.19	316.80	-3,628.11	3,641.89	2.35
9,327.00	93.67	266.98	5,788.00	314.54	-3,674.95	3,688.33	1.45
9,389.00	93.77	266.79	5,783.98	311.18	-3,736.73	3,749.55	0.35
Final Sperry MWD Survey (Lateral) @ 9389.00 ft							
9,437.00	93.77	266.79	5,780.82	308.50	-3,784.55	3,796.93	0.00
Straight Line Projection to TD (Lateral) @ 9437.00 ft							

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
142.00	142.00	-0.16	-0.57	First Sperry MWD Survey (Pilot Hole) @ 142.00 ft
5,325.00	5,318.94	228.31	-3.10	Tie-On to MWD Survey (Pilot Hole) @ 5325.00
5,353.00	5,346.93	228.92	-3.55	First Sperry MWD Survey (Lateral) @ 5353.00 ft
9,389.00	5,783.98	311.18	-3,736.73	Final Sperry MWD Survey (Lateral) @ 9389.00 ft
9,437.00	5,780.82	308.50	-3,784.55	Straight Line Projection to TD (Lateral) @ 9437.00 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/_S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	LC Tribal 13H-21-46_Plan A-2_BHL Tgt	275.21	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
142.00	9,437.00	Sperry MWD Surveys	MWD

Survey Report for LC Tribal 13H-21-46 - Sperry MWD 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 13H-21-46		0.00	5,855.00	235.05	-483.82	649,675.16	2,262,417.21	40° 6' 47.722 N	110° 33' 42.166 W
- survey misses target center by 45.66ft at 6125.75ft MD (5867.95 TVD, 278.45 N, -477.99 E) - Point									
LC Tribal 13H-21-46	0.00	0.00	0.00	0.00	0.00	649,445.24	2,262,903.43	40° 6' 45.400 N	110° 33' 35.939 W
- survey hits target center - Polygon									
LC Tribal 13H-21-46	0.00	0.00	5,804.00	344.54	-3,781.62	649,749.99	2,259,118.73	40° 6' 48.802 N	110° 34' 24.611 W
- survey misses target center by 42.46ft at 9430.55ft MD (5781.25 TVD, 308.86 N, -3778.12 E) - Point									
LC Tribal 13H-21-46	0.00	0.00	0.00	0.00	0.00	649,445.24	2,262,903.43	40° 6' 45.400 N	110° 33' 35.939 W
- survey hits target center - Polygon									
LC Tribal 13H-21-46	0.00	0.00	0.00	0.00	0.00	649,445.24	2,262,903.43	40° 6' 45.400 N	110° 33' 35.939 W
- survey hits target center - Point									

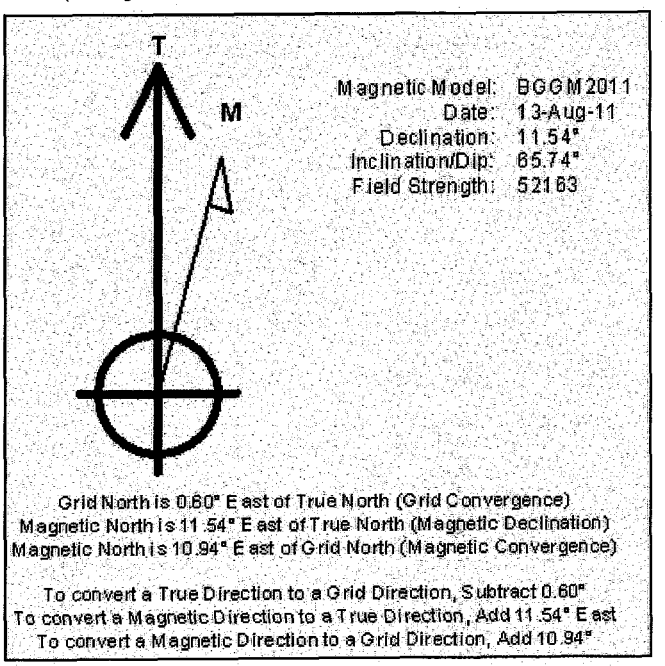
North Reference Sheet for Sec. 21-T4S-R6W - LC Tribal 13H-21-46 - Plan A Rev 2 (Lateral)

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.
Vertical Depths are relative to RKB 24' @ 7180.00ft (H&P 319). Northing and Easting are relative to LC Tribal 13H-21-46
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: 0.99991053

Grid Coordinates of Well: 649,445.23 ft N, 2,262,903.43 ft E
Geographical Coordinates of Well: 40° 06' 45.40" N, 110° 33' 35.94" W
Grid Convergence at Surface is: 0.60°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,437.00ft
the Bottom Hole Displacement is 3,797.10ft in the Direction of 274.66° (True).

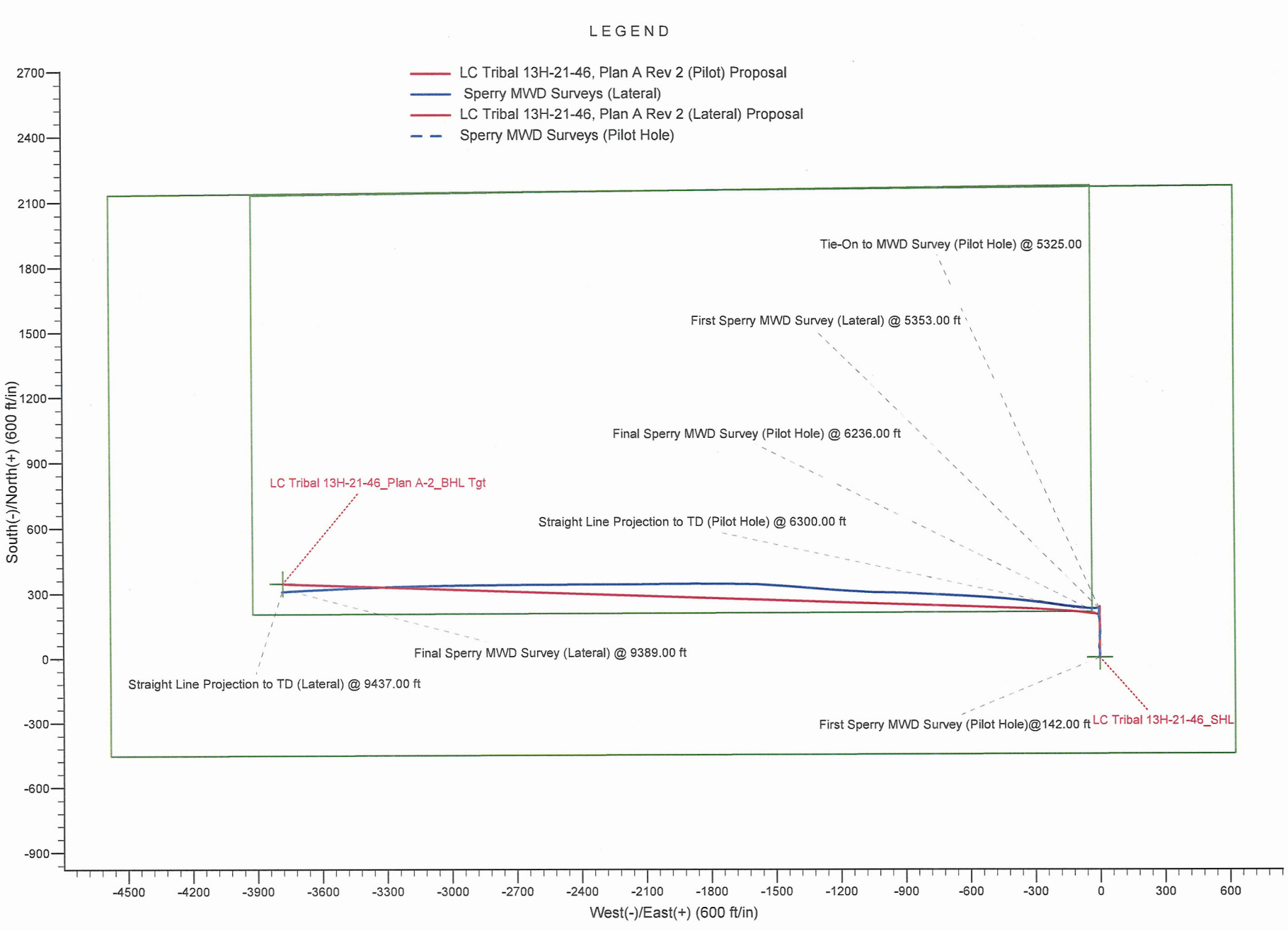
Magnetic Convergence at surface is: -10.94° (13 August 2011, , BGGM2011)



Project: Duchesne County, UT (NAD 1927)
Site: Sec. 21-T4S-R6W
Well: LC Tribal 13H-21-46

BILL BARRETT CORP

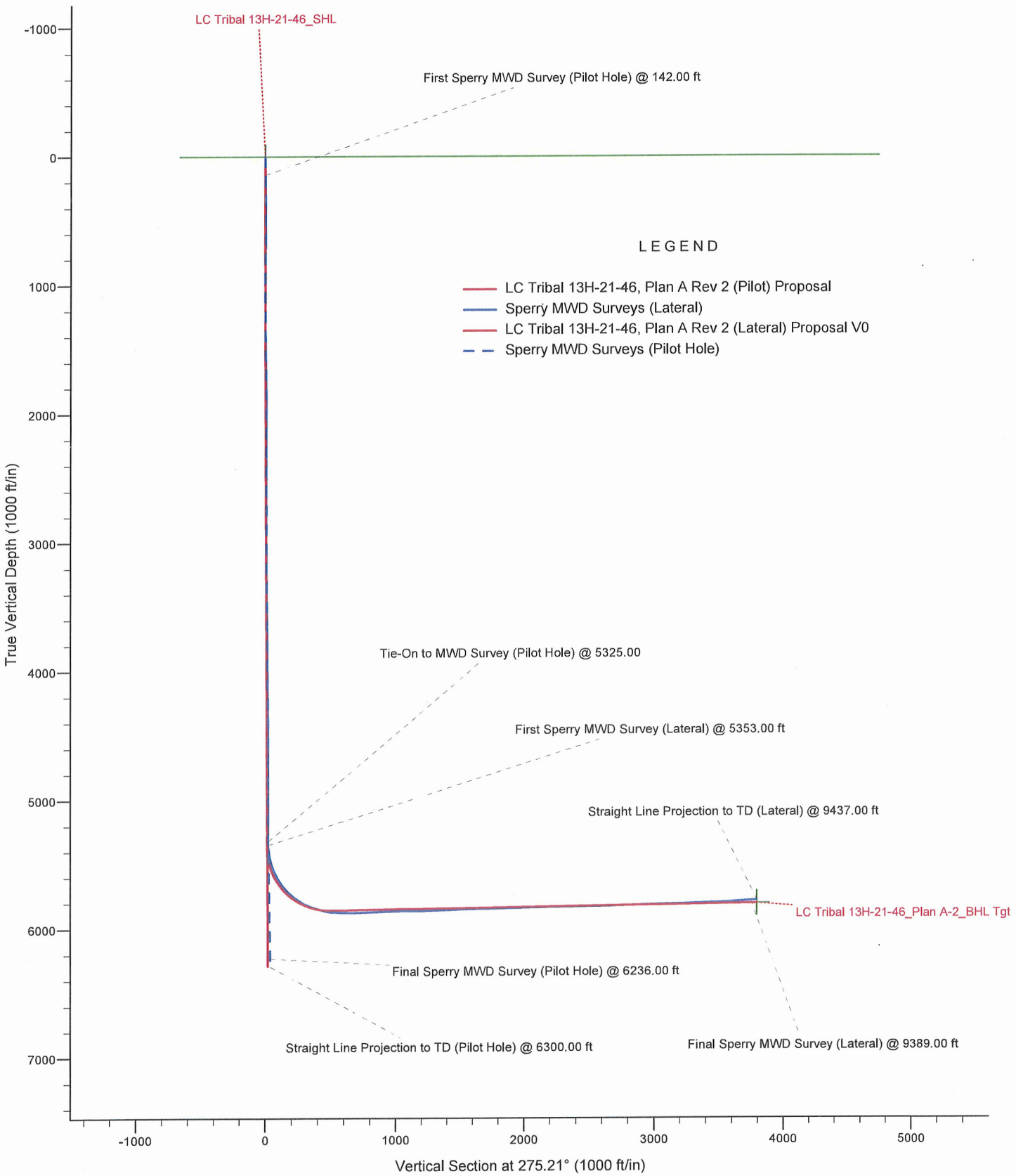
HALLIBURTON
Sperry Drilling



Project: Duchesne County, UT (NAD 1927)
Site: Sec. 21-T4S-R6W
Well: LC Tribal 13H-21-46

BILL BARRETT CORP

HALLIBURTON
Sperry Drilling



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: 1420H626430

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 6/28/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Lease

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

The lease has been updated to 1420H626430.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 28, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Venessa Langmacher	303 312-8172	Senior Permit Analyst
SIGNATURE N/A		**DATE** 6/28/2012

RECEIVED: Jun. 28, 2012

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H626430

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 Gas Well

8. WELL NAME and NUMBER: LC TRIBAL 13H-21-46

2. NAME OF OPERATOR: BILL BARRETT CORP

9. API NUMBER: 43013336320000

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: 0446 FSL 0625 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 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		
✓ NOTICE OF INTENT Approximate date work will start: 5/15/2017	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	✓ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Well was SI on 5/15/15 due to low production & low commodity prices. On 5/14/16 the well will be shut in for 1 year. Current economics do not justify returning the well to production. For this reason BBC is requesting an additional 1 year shut in, before a MIT is required, until 5/14/17. Well currently has 0 psi tubing, 32 psi on 7" casing, 0 psi Braden Head. With minimal to zero Braden Head pressure & 32 psi casing pressure, it is evident that the 7" intermediate casing has full integrity & all formations are protected. Fluid level was found at 2200ft from surface with TOC at 1970ft. Well is shut in 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 are justified at higher commodity price before 5/15/17.

Accepted by the Utah Division of Oil, Gas and Mining

Date: May 04, 2016

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brady Riley	303 312-8115	Permit Analyst
SIGNATURE N/A		**DATE** 4/7/2016

RECEIVED: Apr. 07, 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:

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

REVIEW:

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

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

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

COMMENTS:

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

From: Bill Barrett Corporation
To: Rig II, LLC
Effective 11/1/2016

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

Bill Barrett Corporation

October 20, 2016

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

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 formchanging 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

Brady Riley

Brady Riley
Permit Analyst

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: (see attached well list)	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: (see attached well list)
2. NAME OF OPERATOR: RIG II, LLC N4055	9. API NUMBER:
3. ADDRESS OF OPERATOR: 1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 / PHONE NUMBER: (801) 683-4245	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL — FOOTAGES AT SURFACE: (see attached well list)	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit In Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 11/1/2016	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ 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 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 N2165

Duane Zavadil NAME (PLEASE PRINT)

SIGNATURE

Senior Vice President - EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain NAME (PLEASE PRINT)

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain TITLE Manager

SIGNATURE DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

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.
✓	**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. 9219529-UDOGM / UTB000712-BLM / LPM9224670-BIA	✓	

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 Jesse McSwain 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.

(3/2004)

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	API Number
6-32-36 BTR SWD	4301350921
Location of Well	Field or Unit Name
Footage : 1628 FNL 1553 FWL County : DUCHENSE	CEDAR RIM
QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	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:
Title: Senior Vice President - EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

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

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

(This space for State use only)

Transfer approved by:
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

(5/2000)

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	API Number
16-6D-46 BTR SWD	4301350781
Location of Well	Field or Unit Name
Footage : 0200 FSL 0099 FEL County : DUCHESNE	ALTAMONT
QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	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: [signature]
Title: Senior Vice President - 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: [signature]
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: [signature]
Title: UIC

Approval Date: 11/3/16

Comments:

(5/2000)

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

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

Name: Duane Zavadil
Signature: [signature]
Title: Senior Vice President - 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: [signature]
Title: Manager
Date: 10/20/16

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

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

(5/2000)