



February 26, 2007

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

# 7-21-46 DLB (Old Well Name – # 14 DLB 10-21-46)  
Tribal Surface/Tribal Minerals  
NWSE, Section 21-T4S-R6W  
Duchesne County, Utah

Diana Whitney, 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, when it was known as the # 14 DLB 10-21-46. The results of this survey have been outlined in Montgomery's report dated December 6, 2006. 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,

A handwritten signature in cursive script that reads "Reed Haddock".

Reed Haddock  
Permit Analyst

Enclosures

**RECEIVED**

**MAR 02 2007**

**DIV. OF OIL, GAS & MINING**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. <b>BIA 14-20-H62-5500</b>	
6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>	
7. If Unit or CA Agreement, Name and No. <b>N/A</b>	
8. Lease Name and Well No. <b># 7-21-46 DLB</b>	
9. API Well No. <b>Pending 43-013-33567</b>	
10. Field and Pool, or Exploratory <b>Wildcat Altamont 55</b>	
11. Sec., T. R. M. or Blk. and Survey or Area <b>Section 21-T4S-R6W U.S.B.&amp;M.</b>	
12. County or Parish <b>Duchesne</b>	13. State <b>UT</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximately 13 miles southwest of Duchesne, Utah</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>1718' SHL; 1980' BHL</b>	16. No. of acres in lease <b>N/A</b>
17. Spacing Unit dedicated to this well <b>40</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>Approximately 70'</b>	19. Proposed Depth <b>9120'</b>
20. BLM/BIA Bond No. on file <b>Nationwide Bond #WYB000040</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>7110' ungraded ground</b>	22. Approximate date work will start* <b>06/01/2007</b>
	23. Estimated duration <b>45 days</b>

24. Attachments

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

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

25. Signature: <i>Reed Haddock</i>	Name (Printed/Typed) <b>Reed Haddock</b>	Date <b>02/26/2007</b>
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Title <b>Permit Analyst</b>		
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Approved by (Signature): <i>[Signature]</i>	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>03-14-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>	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.

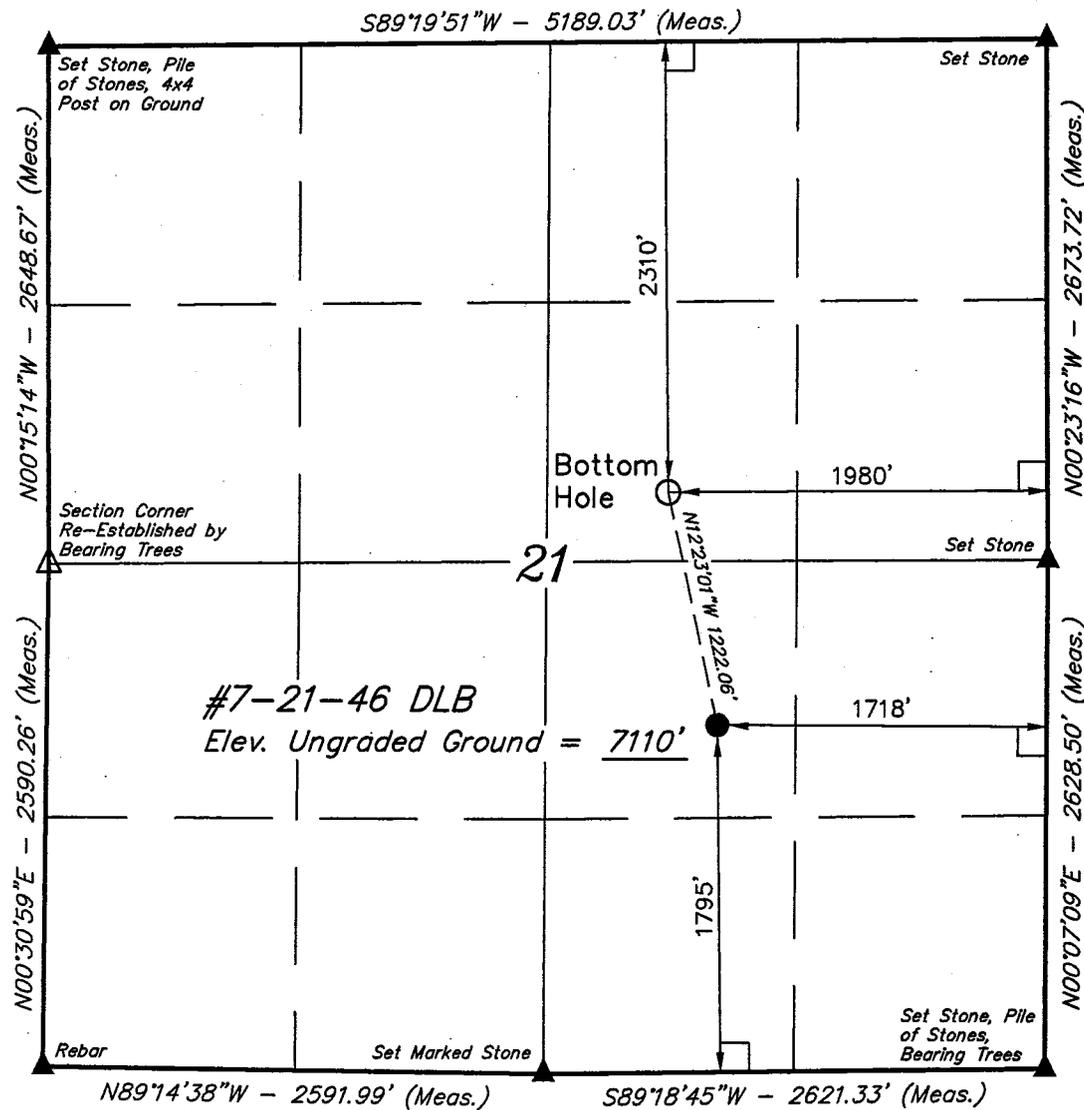
\*(Instructions on page 2)

Surf  
537154X  
4440544Y  
40.116282  
-110.563945

BHL  
Federal Approval of this  
Action is Necessary  
537081X  
4440918Y  
40.119653  
-110.564843

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



## BILL BARRETT CORPORATION

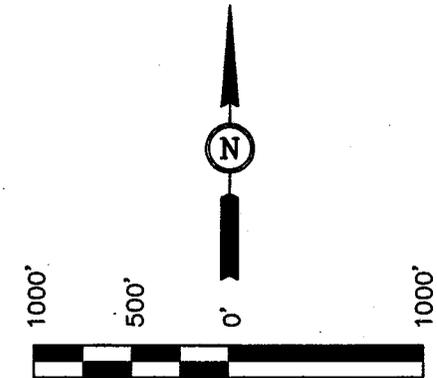
Well location, #7-21-46 DLB, located as shown in the NW 1/4 SE 1/4 of Section 21, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

### 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.

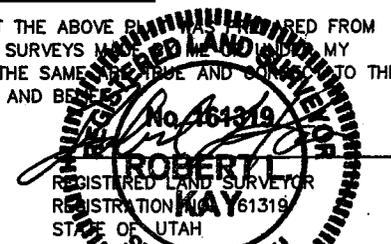
### BASIS OF BEARINGS

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 UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 02-14-07

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

### LEGEND:

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

(NAD 83)  
LATITUDE = 40°06'58.43" (40.116231)  
LONGITUDE = 110°33'52.58" (110.564606)  
(NAD 27)  
LATITUDE = 40°06'58.58" (40.116272)  
LONGITUDE = 110°33'50.02" (110.563894)

SCALE 1" = 1000'	DATE SURVEYED: 01-30-07	DATE DRAWN: 02-08-07
PARTY D.R. Q.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

**HAZARDOUS MATERIAL DECLARATION**

WELL NO. # 7-21-46 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  
 # 7-21-46 DLB  
 NWSE, 1795' FSL & 1718' FEL, Section 21-T4S-R6W  
 Duchesne County, Utah

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

<u>Formation</u>	<u>Depth</u>
Duchesne River/Uinta	Surface
Green River	3,840'
Douglas Creek	4,636'
Black Shale	5,314'
Castle Peak	5,596'
Wasatch	6,228' *
North Horn	8,145' *
TD	9,120'

\*PROSPECTIVE PAY

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

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
12 1/4"	surface	900'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	surface	9,120'	5 1/2"	17#	N or I 80	LT&C	New

5. Cementing Program

9 5/8" Surface Casing	Approximately 310 sx Halliburton Light Premium with additives mixed at 12.3 ppg (yield = 1.43 ft <sup>3</sup> /sx) circulated to surface with 100% excess
5 1/2" Production Casing	Approximately 190 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.81 ft <sup>3</sup> /sx). Approximately 690 sx Halliburton Light Premium Plus cement with additives mixed at 13.5 ppg (yield = 1.58 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 900'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
900' – TD	8.6 – 10.6	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**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 900'	No pressure control required
900' – 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 4947 psi\* and maximum anticipated surface pressure equals approximately 2970 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Bill Barrett Corporation  
Drilling Program  
# 7-21-46 DLB  
Duchesne County, Utah

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

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

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

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

**12. Drilling Schedule**

Location Construction: Approximately May 15, 2007  
Spud: Approximately June 1, 2007  
Duration: 20 days drilling time  
45 days completion time



# **BILL BARRETT CORPORATION**

**1099 18<sup>th</sup> 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 17<sup>th</sup> St., Suite 1900  
Denver, CO 80202  
303.675.4476  
[isaac.womack@Halliburton.com](mailto:isaac.womack@Halliburton.com)

**HALLIBURTON**  
Baroid

**DRILLING PROGRAM BRIEFING**

Well total depth : 8,500' TMD

		<u>Hole Size</u>	<u>Casing</u>	<u>Length</u>
Casing design :	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

**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 1/4"	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 1/4" 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

$$((\text{ml of } .282 \text{ Silver Nitrate added} * 10,000)/3280) = \% \text{KCL}$$

\*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

**Brundage Canyon**

Duchesne County, Utah

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/100ft <sup>2</sup> )	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/100ft <sup>2</sup> )	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 1/2" 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**

## Job Recommendation

## 9 5/8" Intermediate

### 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<sup>3</sup>/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

## Job Recommendation

## 5 1/2" Production

### 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<sup>3</sup>/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<sup>3</sup>/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

**# 7-21-46 DLB Proposed Cementing Program**

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (900' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 12.3 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.43 ft <sup>3</sup> /sk
0.25 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 10.6 Gal/sk
	Top of Fluid: 0'
	Calculated Fill: 900'
	Volume: 112.95 bbl
	<b>Proposed Sacks: 310 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (4136' - 900')</b>	
Halliburton Hi-Fill Modified	Fluid Weight: 11.0 lbm/gal
16.0% Bentonite	Slurry Yield: 3.81 ft <sup>3</sup> /sk
0.75% Ecpnolite	Total Mixing Fluid: 23.00 Gal/sk
7.5 lbm/sk Gilsonite	Top of Fluid: 900'
2.0 lbm/sk Granulite TR	Calculated Fill: 3,236'
3.0% Salt	Volume: 124.81 bbl
0.2% HR-7	<b>Proposed Sacks: 190 sks</b>
<b>Tail Cement - (9120' - 4136')</b>	
Halliburton Light Premium Plus	Fluid Weight: 13.5 lbm/gal
3.0% KCl	Slurry Yield: 1.58 ft <sup>3</sup> /sk
1.0% Econolite	Total Mixing Fluid: 7.77 Gal/sk
0.5% Halad®-322	Top of Fluid: 4,136'
0.6% HR-5	Calculated Fill: 4,984'
0.25 lbm/sk Flocele	Volume: 192.25 bbl
1.0 lbm/sk Granulite	<b>Proposed Sacks: 690 sks</b>

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.

**Minimum design factors:**

Collapse:

Design factor 1.125

Burst:

Design factor 1.10

**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

Burst

Max anticipated surface pressure: 303 psi  
 Internal gradient: 0.22 psi/ft  
 Calculated BHP 468 psi

No backup mud specified.

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

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 (ft³)
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 Dominic Spencer  
 by: Bill Barrett

Phone: (303) 312-8143  
 FAX: (303) 312-8195

Date: July 21, 2006  
 Denver, Colorado

Remarks:

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

Burst strength is not adjusted for tension.

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.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.10

**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

**Burst**

Max anticipated surface pressure: 2,697 psi  
 Internal gradient: 0.22 psi/ft  
 Calculated BHP 4,787 psi

No backup mud specified.

**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)

Cement top: 2,000 ft

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 8,103 ft

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 Dominic Spencer  
 by: 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.*

**I-80  
Performance  
Property  
Comparison**

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	I-80 Performance Properties						J-55 Performance Properties					N-80 Performance Properties			
			Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet
					Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength	
4.500	9.50	Short	3900	6380	221	138	6930	3310	4380	152	101	5890	3900	6380	221	143	6930
	10.50	Short	4940	6970	241	173	8780	4010	4790	165	132	7000	4940	6970	241	186	8780
	11.60	Long	6350	7780	267	201	9610	4960	5350	184	162	7760	6350	7780	267	223	10680
5.500	14.00	Short	3620	6210	322	234	6440	3120	4270	222	172	5550	3620	6210	322	243	6440
	15.50	Long	4990	7000	361	282	8870	4040	4810	248	217	7180	4990	7000	361	306	8870
	17.00	Long	6280	7740	397	320	10470	4910	5320	273	247	8060	6280	7740	397	348	11170
7.000	20.00	Short	2740	5440	460	320	4870	2270	3740	316	234	4040	2740	5440	460	331	4870
	23.00	Long	3830	6340	532	428	6810	3270	4360	366	313	5810	3830	6340	532	442	6810
	26.00	Long	5410	7240	604	502	9620	4320	4980	415	367	7680	5410	7240	604	519	9620
8.625	24.00	Short	1430	4290	555	337	2540	1370	2950	381	244	2440	1430	4290	555	346	2540
	28.00	Long	2160	4930	636	478	3840	1880	3390	437	348	3340	2160	4930	636	493	3840
	32.00	Long	3050	5710	732	574	5420	2530	3930	503	417	4500	3050	5710	732	591	5420

**I-80 Dimensions,  
Torques and  
Hydro-Test  
Pressures**

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	Dimensions, Inch					Make-Up Torque			Hydro-Test Pressure, psi
			Wall Thickness	Inside Diameter	Drift Diameter	Coupling Outside Diameter	Make-up Loss	ft x lbs			
								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 IPSCO's 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.



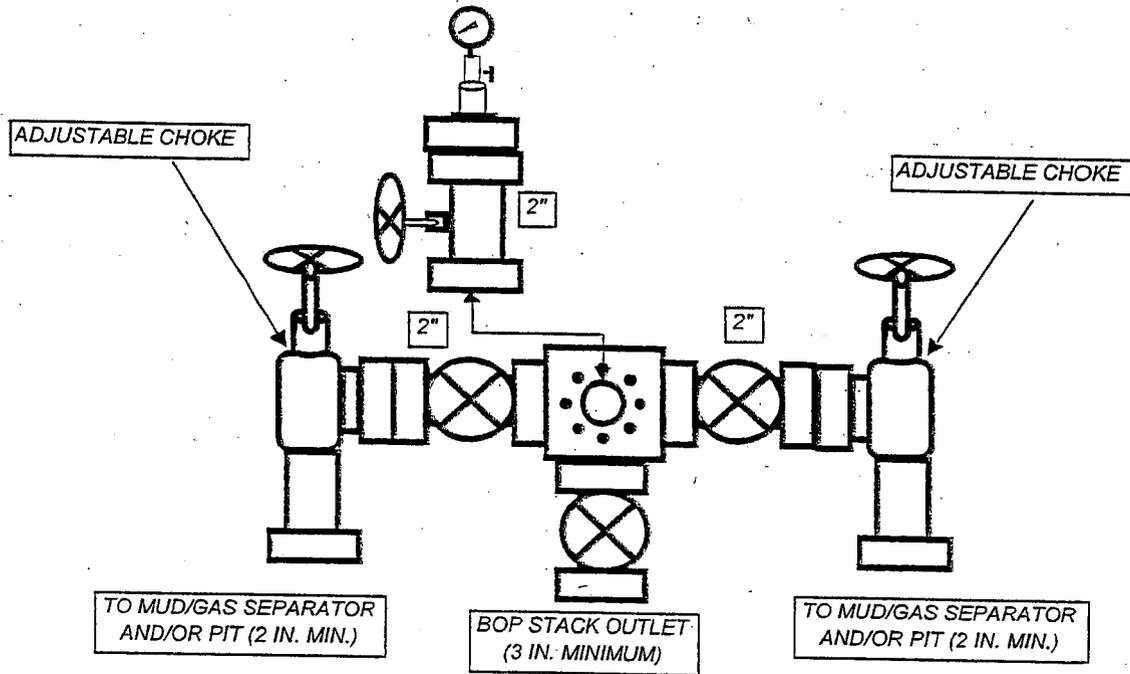
P.O. Box 18  
Camanche, Iowa 52730  
Phone: (563) 242-0000  
Toll Free: 1-800-950-4772

400 505-3rd Street SW  
Calgary, Alberta T2P 3E6  
Phone: (403) 543-8000  
Toll Free: 1-877-780-7560

P.O. Box 1670  
Regina, Saskatchewan S4P 3C7  
Phone: (306) 924-7700  
Toll Free: 1-800-667-1616

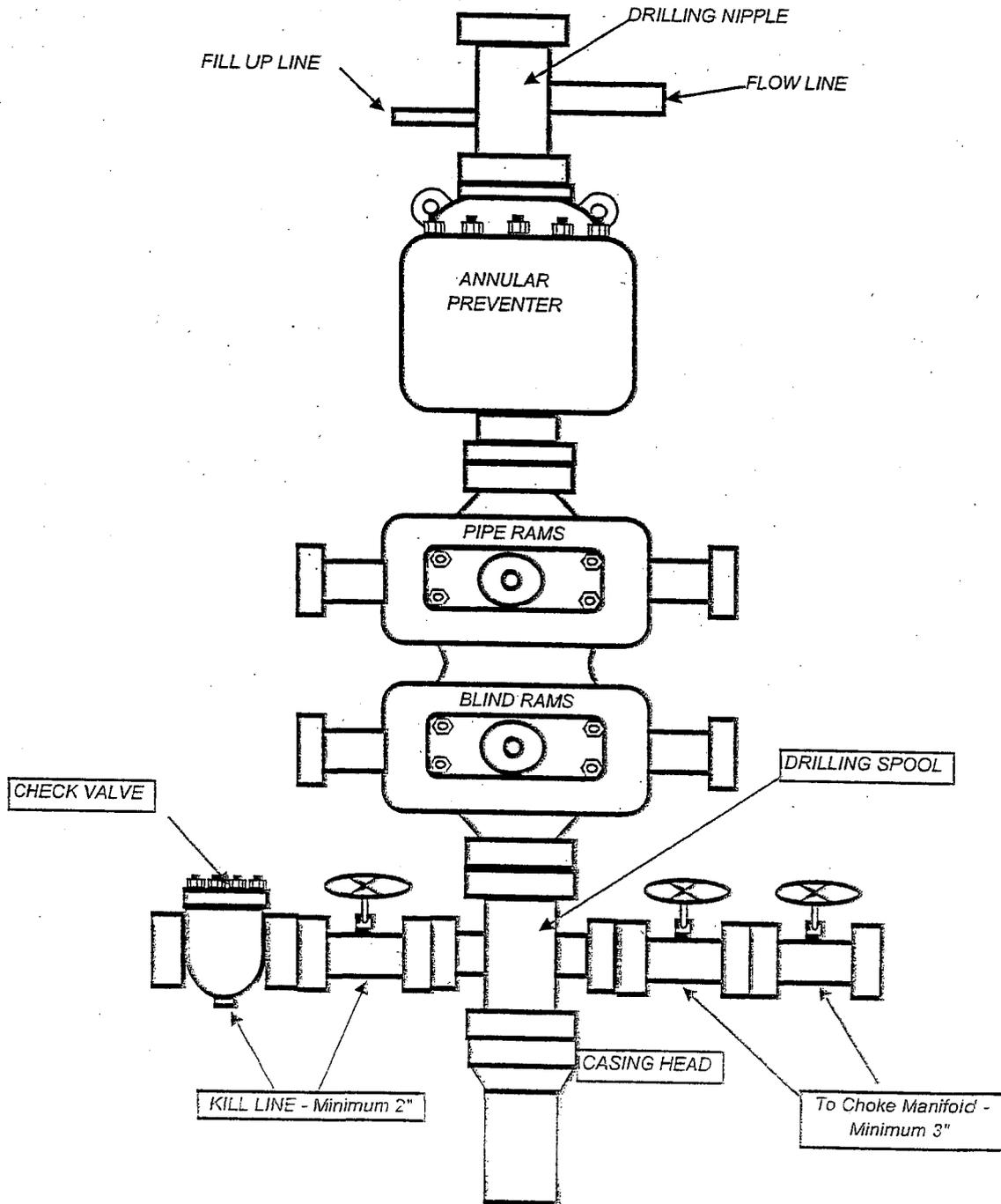
# BILL BARRETT CORPORATION

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



# BILL BARRETT CORPORATION

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





**Weatherford<sup>™</sup>**

**Drilling Services**

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**Proposal**

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**Bill Barrett Corporation**

#7-21-46 DLB

DUCHESNE COUNTY, UTAH

WELL FILE: PLAN 1

FEBRUARY 15, 2007

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**Weatherford International, Ltd.**  
15710 JFK Blvd. Ste. 700  
Houston, Texas 77032 USA  
+1.281.260.1300 Main  
+1.281.260.4730 Fax  
[www.weatherford.com](http://www.weatherford.com)



#7-21-46 DLB  
 SEC 21 T4S R6W  
 1795' FSL, 1718' FEL  
 DUCHESNE COUNTY, UTAH

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-/S	+E-/W	DLeg	TFace	VSec	Target
1	0.00	0.00	347.60	0.00	0.00	0.00	0.00	0.00	0.00	
2	973.00	0.00	347.60	973.00	0.00	0.00	0.00	0.00	0.00	KOP
3	1635.26	13.25	347.60	1629.37	74.43	-16.36	2.00	347.60	76.21	HOLD
4	6197.07	13.25	347.60	6069.83	1095.25	-240.75	0.00	0.00	1121.40	DROP
5	7080.08	0.00	347.60	6945.00	1194.49	-262.57	1.50	180.00	1223.01	HOLD
6	9120.08	0.00	347.60	8985.00	1194.49	-262.57	0.00	347.60	1223.01	#7-21-46 DLB

**SITE DETAILS**  
 #7-21-46-DLB  
 1795' FSL, 1718' FEL  
 Site Centre Latitude: 40°06'58.430N  
 Longitude: 110°33'52.580W  
 Ground Level: 7110.00  
 Positional Uncertainty: 0.00  
 Convergence: 0.60

**FORMATION TOP DETAILS**

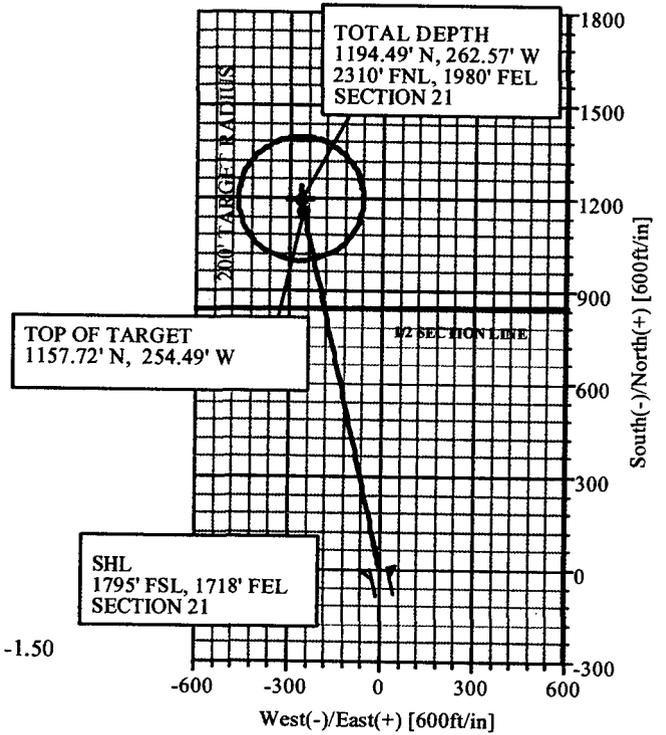
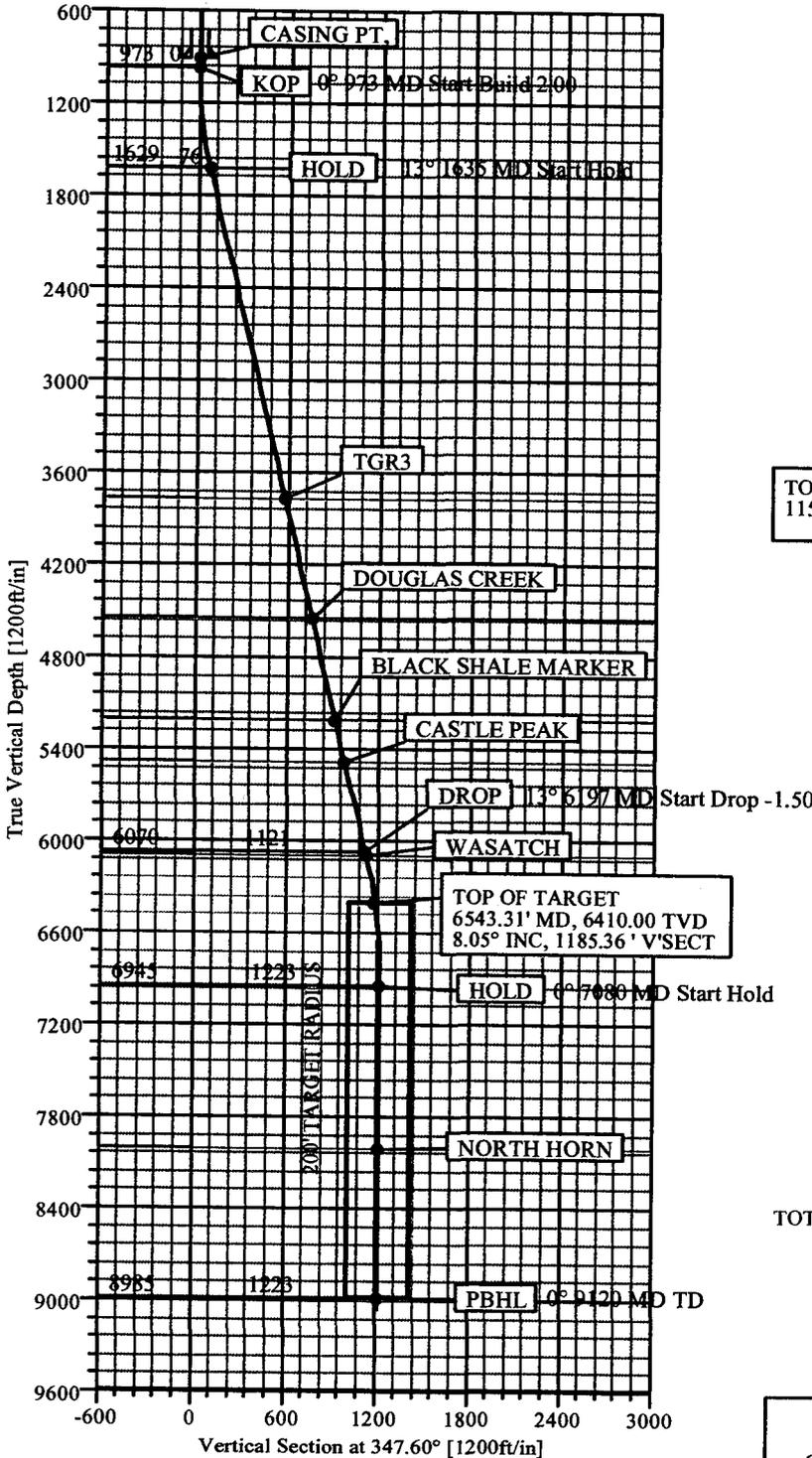
No.	TVDPath	MDPath	Formation
1	3775.00	3839.52	TGR3
2	4550.00	4635.70	DOUGLAS CREEK
3	5210.00	5313.74	BLACK SHALE MARKER
4	5485.00	5596.25	CASTLE PEAK
5	6100.00	6228.03	WASATCH
6	8010.00	8145.08	NORTH HORN

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	913.00	913.00	CASING PT.	0.000

ASSUMED 15' KB ELEVATION

KB ELEVATION: 7125'  
 GR ELEVATION: 7110'



T  
 Azimuths to True North  
 M  
 Magnetic North: 12.09°

Magnetic Field  
 Strength: 52711 nT  
 Dip Angle: 65.88°  
 Date: 2/15/2007  
 Model: bggm2006

TOTAL CORRECTION TO TRUE NORTH: 12.09°



# WEATHERFORD DRILLING SERVICES

## WELL PLAN REPORT

<b>Company:</b> BILL BARRETT CORP	<b>Date:</b> 2/15/2007	<b>Time:</b> 14:44:01	<b>Page:</b> 1
<b>Field:</b> DUCHESNE COUNTY, UTAH	<b>Co-ordinate(NE) Reference:</b> Site: #7-21-46-DLB, True North		
<b>Site:</b> #7-21-46-DLB	<b>Vertical (TVD) Reference:</b> SITE 7125.0		
<b>Well:</b> #7-21-46 DLB	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,347.60Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> Sybase	

<b>Plan:</b> Plan #1	<b>Date Composed:</b> 2/15/2007
<b>Principal:</b> Yes	<b>Version:</b> 1
	<b>Tied-to:</b> From Surface

**Field:** DUCHESNE COUNTY, UTAH

<b>Map System:</b> US State Plane Coordinate System 1983	<b>Map Zone:</b> Utah, Central Zone
<b>Geo Datum:</b> GRS 1980	<b>Coordinate System:</b> Site Centre
<b>Sys Datum:</b> Mean Sea Level	<b>Geomagnetic Model:</b> bgm2006

**Well:** #7-21-46 DLB **Slot Name:**

<b>Well Position:</b>	+N/-S	0.00 ft	<b>Northing:</b>	7212443.59 ft	<b>Latitude:</b>	40 6 58.430 N
	+E/-W	0.00 ft	<b>Easting:</b>	1902010.43 ft	<b>Longitude:</b>	110 33 52.580 W
<b>Position Uncertainty:</b>		0.00 ft				

**Wellpath:** 1

<b>Current Datum:</b> SITE	<b>Height:</b> 7125.00 ft	<b>Drilled From:</b> Surface	<b>Tie-on Depth:</b> 0.00 ft
<b>Magnetic Data:</b> 2/15/2007		<b>Above System Datum:</b> Mean Sea Level	
<b>Field Strength:</b> 52711 nT		<b>Declination:</b> 12.09 deg	
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
	ft	ft	ft
	0.00	0.00	0.00
			<b>Direction</b>
			deg
			347.60

**Site:** #7-21-46-DLB

1795' FSL, 1718' FEL

<b>Site Position:</b>	<b>Northing:</b>	7212443.59 ft	<b>Latitude:</b>	40 6 58.430 N
<b>From:</b> Geographic	<b>Easting:</b>	1902010.43 ft	<b>Longitude:</b>	110 33 52.580 W
<b>Position Uncertainty:</b>	0.00 ft			
<b>Ground Level:</b>	7110.00 ft	<b>North Reference:</b> True		
		<b>Grid Convergence:</b>	0.60 deg	

**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	347.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
973.00	0.00	347.60	973.00	0.00	0.00	0.00	0.00	0.00	0.00	
1635.26	13.25	347.60	1629.37	74.43	-16.36	2.00	2.00	0.00	347.60	
6197.07	13.25	347.60	6069.83	1095.25	-240.75	0.00	0.00	0.00	0.00	
7080.08	0.00	347.60	6945.00	1194.49	-262.57	1.50	-1.50	0.00	180.00	
9120.08	0.00	347.60	8985.00	1194.49	-262.57	0.00	0.00	0.00	347.60	#7-21-46 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
973.00	0.00	347.60	973.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
1073.00	2.00	347.60	1072.98	1.70	-0.37	1.75	2.00	2.00	0.00	
1173.00	4.00	347.60	1172.84	6.82	-1.50	6.98	2.00	2.00	0.00	
1273.00	6.00	347.60	1272.45	15.33	-3.37	15.69	2.00	2.00	0.00	
1373.00	8.00	347.60	1371.70	27.23	-5.99	27.88	2.00	2.00	0.00	
1473.00	10.00	347.60	1470.47	42.51	-9.34	43.52	2.00	2.00	0.00	
1573.00	12.00	347.60	1568.62	61.14	-13.44	62.60	2.00	2.00	0.00	
1635.26	13.25	347.60	1629.37	74.43	-16.36	76.21	2.00	2.00	0.00	HOLD
1673.00	13.25	347.60	1666.11	82.88	-18.22	84.85	0.00	0.00	0.00	
1773.00	13.25	347.60	1763.45	105.25	-23.14	107.77	0.00	0.00	0.00	
1873.00	13.25	347.60	1860.79	127.63	-28.06	130.68	0.00	0.00	0.00	
1973.00	13.25	347.60	1958.13	150.01	-32.97	153.59	0.00	0.00	0.00	
2073.00	13.25	347.60	2055.47	172.39	-37.89	176.50	0.00	0.00	0.00	
2173.00	13.25	347.60	2152.81	194.76	-42.81	199.41	0.00	0.00	0.00	
2273.00	13.25	347.60	2250.15	217.14	-47.73	222.33	0.00	0.00	0.00	

# WEATHERFORD DRILLING SERVICES

## WELL PLAN REPORT

<b>Company:</b> BILL BARRETT CORP	<b>Date:</b> 2/15/2007	<b>Time:</b> 14:44:01	<b>Page:</b> 2
<b>Field:</b> DUCHESNE COUNTY, UTAH	<b>Co-ordinate(NE) Reference:</b> Site: #7-21-46-DLB, True North		
<b>Site:</b> #7-21-46-DLB	<b>Vertical (TVD) Reference:</b> SITE 7125.0		
<b>Well:</b> #7-21-46 DLB	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,347.60Azi)		
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> 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
2373.00	13.25	347.60	2347.49	239.52	-52.65	245.24	0.00	0.00	0.00	
2473.00	13.25	347.60	2444.83	261.90	-57.57	268.15	0.00	0.00	0.00	
2573.00	13.25	347.60	2542.17	284.27	-62.49	291.06	0.00	0.00	0.00	
2673.00	13.25	347.60	2639.51	306.65	-67.41	313.97	0.00	0.00	0.00	
2773.00	13.25	347.60	2736.85	329.03	-72.33	336.88	0.00	0.00	0.00	
2873.00	13.25	347.60	2834.19	351.41	-77.25	359.80	0.00	0.00	0.00	
2973.00	13.25	347.60	2931.53	373.78	-82.16	382.71	0.00	0.00	0.00	
3073.00	13.25	347.60	3028.87	396.16	-87.08	405.62	0.00	0.00	0.00	
3173.00	13.25	347.60	3126.21	418.54	-92.00	428.53	0.00	0.00	0.00	
3273.00	13.25	347.60	3223.55	440.92	-96.92	451.44	0.00	0.00	0.00	
3373.00	13.25	347.60	3320.89	463.29	-101.84	474.35	0.00	0.00	0.00	
3473.00	13.25	347.60	3418.23	485.67	-106.76	497.27	0.00	0.00	0.00	
3573.00	13.25	347.60	3515.57	508.05	-111.68	520.18	0.00	0.00	0.00	
3673.00	13.25	347.60	3612.91	530.43	-116.60	543.09	0.00	0.00	0.00	
3773.00	13.25	347.60	3710.25	552.80	-121.52	566.00	0.00	0.00	0.00	
3839.52	13.25	347.60	3775.00	567.69	-124.79	581.24	0.00	0.00	0.00	TGR3
3873.00	13.25	347.60	3807.59	575.18	-126.43	588.91	0.00	0.00	0.00	
3973.00	13.25	347.60	3904.93	597.56	-131.35	611.83	0.00	0.00	0.00	
4073.00	13.25	347.60	4002.27	619.94	-136.27	634.74	0.00	0.00	0.00	
4173.00	13.25	347.60	4099.61	642.31	-141.19	657.65	0.00	0.00	0.00	
4273.00	13.25	347.60	4196.95	664.69	-146.11	680.56	0.00	0.00	0.00	
4373.00	13.25	347.60	4294.29	687.07	-151.03	703.47	0.00	0.00	0.00	
4473.00	13.25	347.60	4391.63	709.45	-155.95	726.38	0.00	0.00	0.00	
4573.00	13.25	347.60	4488.97	731.82	-160.87	749.30	0.00	0.00	0.00	
4635.70	13.25	347.60	4550.00	745.85	-163.95	763.66	0.00	0.00	0.00	DOUGLAS CREEK
4673.00	13.25	347.60	4586.31	754.20	-165.79	772.21	0.00	0.00	0.00	
4773.00	13.25	347.60	4683.65	776.58	-170.71	795.12	0.00	0.00	0.00	
4873.00	13.25	347.60	4780.99	798.96	-175.62	818.03	0.00	0.00	0.00	
4973.00	13.25	347.60	4878.33	821.33	-180.54	840.94	0.00	0.00	0.00	
5073.00	13.25	347.60	4975.67	843.71	-185.46	863.86	0.00	0.00	0.00	
5173.00	13.25	347.60	5073.01	866.09	-190.38	886.77	0.00	0.00	0.00	
5273.00	13.25	347.60	5170.35	888.47	-195.30	909.68	0.00	0.00	0.00	
5313.74	13.25	347.60	5210.00	897.58	-197.30	919.01	0.00	0.00	0.00	BLACK SHALE MAR
5373.00	13.25	347.60	5267.69	910.84	-200.22	932.59	0.00	0.00	0.00	
5473.00	13.25	347.60	5365.03	933.22	-205.14	955.50	0.00	0.00	0.00	
5573.00	13.25	347.60	5462.37	955.60	-210.06	978.41	0.00	0.00	0.00	
5596.25	13.25	347.60	5485.00	960.80	-211.20	983.74	0.00	0.00	0.00	CASTLE PEAK
5673.00	13.25	347.60	5559.71	977.98	-214.98	1001.33	0.00	0.00	0.00	
5773.00	13.25	347.60	5657.05	1000.35	-219.90	1024.24	0.00	0.00	0.00	
5873.00	13.25	347.60	5754.39	1022.73	-224.81	1047.15	0.00	0.00	0.00	
5973.00	13.25	347.60	5851.73	1045.11	-229.73	1070.06	0.00	0.00	0.00	
6073.00	13.25	347.60	5949.07	1067.49	-234.65	1092.97	0.00	0.00	0.00	
6173.00	13.25	347.60	6046.41	1089.86	-239.57	1115.88	0.00	0.00	0.00	
6197.07	13.25	347.60	6069.83	1095.25	-240.75	1121.40	0.00	0.00	0.00	DROP
6228.03	12.78	347.60	6100.00	1102.06	-242.25	1128.37	1.50	-1.50	0.00	WASATCH
6273.00	12.11	347.60	6143.92	1111.52	-244.33	1138.06	1.50	-1.50	0.00	
6373.00	10.61	347.60	6241.95	1130.75	-248.56	1157.75	1.50	-1.50	0.00	
6473.00	9.11	347.60	6340.48	1147.47	-252.23	1174.87	1.50	-1.50	0.00	
6543.31	8.05	347.60	6410.00	1157.72	-254.49	1185.36	1.50	-1.50	0.00	TOP OF TGT
6573.00	7.61	347.60	6439.41	1161.67	-255.35	1189.40	1.50	-1.50	0.00	
6673.00	6.11	347.60	6538.69	1173.32	-257.92	1201.34	1.50	-1.50	0.00	
6773.00	4.61	347.60	6638.25	1182.44	-259.92	1210.67	1.50	-1.50	0.00	
6873.00	3.11	347.60	6738.02	1189.01	-261.36	1217.40	1.50	-1.50	0.00	

# WEATHERFORD DRILLING SERVICES

## WELL PLAN REPORT

<b>Company:</b> BILL BARRETT CORP	<b>Date:</b> 2/15/2007	<b>Time:</b> 14:44:01	<b>Page:</b> 3
<b>Field:</b> DUCHESNE COUNTY, UTAH	<b>Co-ordinate(NE) Reference:</b>	<b>Site:</b> #7-21-46-DLB, True North	
<b>Site:</b> #7-21-46-DLB	<b>Vertical (TVD) Reference:</b>	SITE 7125.0	
<b>Well:</b> #7-21-46 DLB	<b>Section (VS) Reference:</b>	Well (0.00N,0.00E,347.60Azi)	
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b>	Minimum Curvature	<b>Db:</b> 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
6973.00	1.61	347.60	6837.94	1193.02	-262.25	1221.51	1.50	-1.50	0.00	
7073.00	0.11	347.60	6937.92	1194.48	-262.57	1223.00	1.50	-1.50	0.00	
7080.08	0.00	347.60	6945.00	1194.49	-262.57	1223.01	1.50	-1.50	0.00	HOLD
7173.00	0.00	347.60	7037.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7273.00	0.00	347.60	7137.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7373.00	0.00	347.60	7237.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7473.00	0.00	347.60	7337.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7573.00	0.00	347.60	7437.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7673.00	0.00	347.60	7537.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7773.00	0.00	347.60	7637.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7873.00	0.00	347.60	7737.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
7973.00	0.00	347.60	7837.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8073.00	0.00	347.60	7937.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8145.08	0.00	347.60	8010.00	1194.49	-262.57	1223.01	0.00	0.00	0.00	NORTH HORN
8173.00	0.00	347.60	8037.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8273.00	0.00	347.60	8137.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8373.00	0.00	347.60	8237.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8473.00	0.00	347.60	8337.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8573.00	0.00	347.60	8437.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8673.00	0.00	347.60	8537.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8773.00	0.00	347.60	8637.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8873.00	0.00	347.60	8737.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
8973.00	0.00	347.60	8837.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
9073.00	0.00	347.60	8937.92	1194.49	-262.57	1223.01	0.00	0.00	0.00	
9120.08	0.00	347.60	8985.00	1194.49	-262.57	1223.01	0.00	0.00	0.00	#7-21-46 DLB

### 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
#7-21-46 DLB	-Circle (Radius: 200)		8985.00	1194.49	-262.57	7213635.27	1901735.39	40 7 10.235 N	110 33 55.960 W
	-Plan hit target								

### Annotation

MD ft	TVD ft	
973.00	973.00	KOP
1635.26	1629.38	HOLD
6197.07	6069.84	DROP
6543.31	6410.00	TOP OF TGT
7080.08	6945.00	HOLD
9120.08	8985.00	PBHL

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3839.52	3775.00	TGR3		0.00	0.00
4635.70	4550.00	DOUGLAS CREEK		0.00	0.00
5313.74	5210.00	BLACK SHALE MARKER		0.00	0.00
5596.25	5485.00	CASTLE PEAK		0.00	0.00
6228.03	6100.00	WASATCH		0.00	0.00
8145.08	8010.00	NORTH HORN		0.00	0.00

# WEATHERFORD DRILLING SERVICES

## WELL PLAN REPORT

<b>Company:</b> BILL BARRETT CORP	<b>Date:</b> 2/15/2007	<b>Time:</b> 14:44:01	<b>Page:</b> 4
<b>Field:</b> DUCHESNE COUNTY, UTAH	<b>Co-ordinate(NE) Reference:</b>	<b>Site:</b> #7-21-46-DLB, True North	
<b>Site:</b> #7-21-46-DLB	<b>Vertical (TVD) Reference:</b>	<b>SITE</b> 7125.0	
<b>Well:</b> #7-21-46 DLB	<b>Section (VS) Reference:</b>	<b>Well</b> (0.00N,0.00E,347.60Azi)	
<b>Wellpath:</b> 1	<b>Survey Calculation Method:</b>	<b>Minimum Curvature</b>	<b>Db:</b> Sybase

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
913.00	913.00	0.000	0.000	CASING PT,

# BILL BARRETT CORPORATION

#7-21-46 DLB

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



PHOTO: VIEW FROM LOCATION STAKE TO CORNER #5

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

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

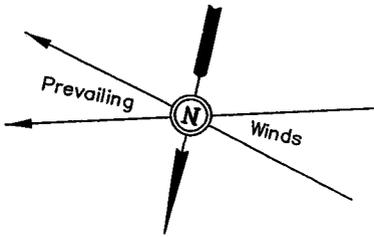
<b>TOPOGRAPHIC</b>	<b>02</b>	<b>06</b>	<b>07</b>	<b>PHOTO</b>
<b>MAP</b>	MONTH	DAY	YEAR	
TAKEN BY: D.R.	DRAWN BY: C.P.		REVISED: 00-00-00	

**BILL BARRETT CORPORATION**

**FIGURE #1**

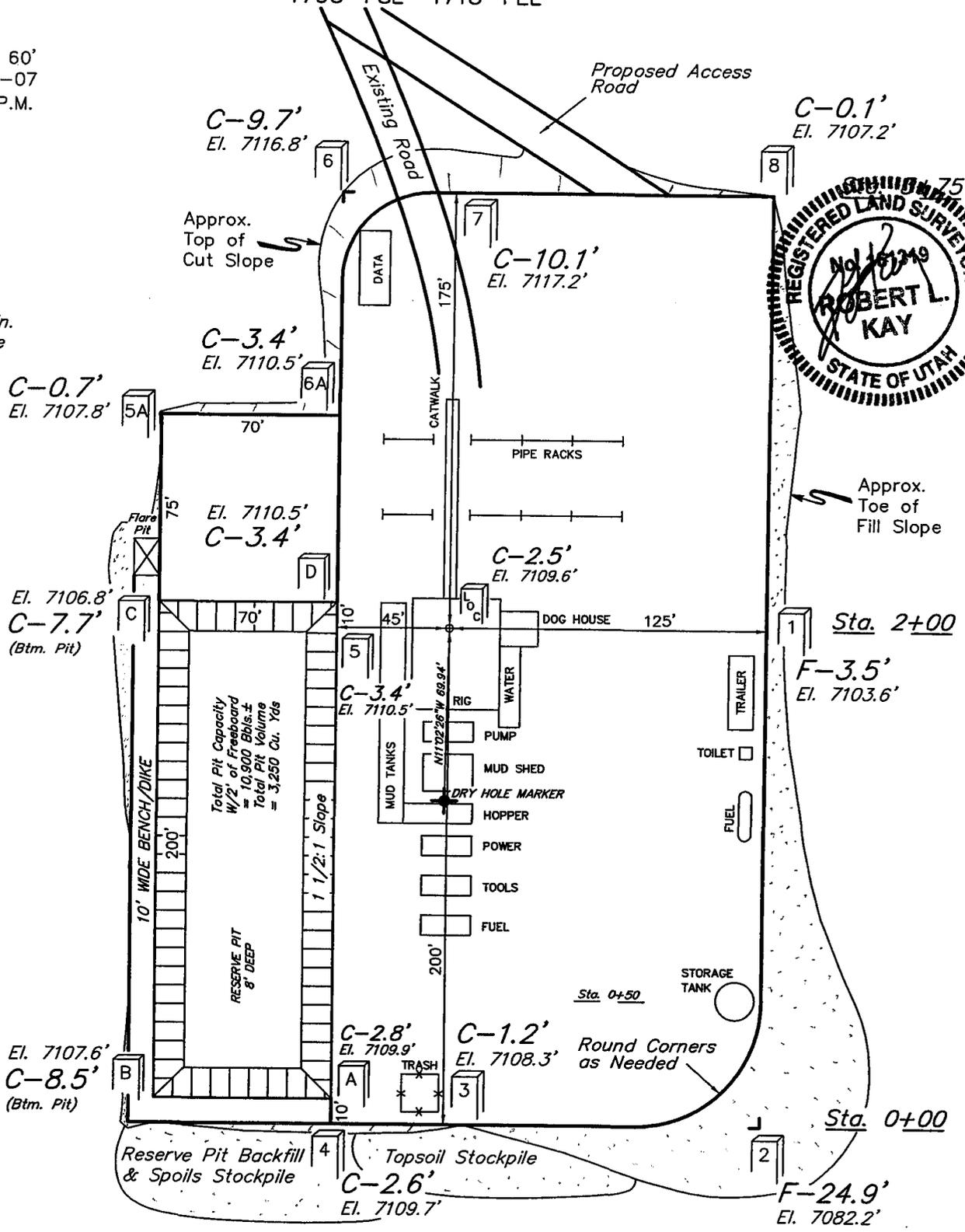
**LOCATION LAYOUT FOR**

#7-21-46 DLB  
SECTION 21, T4S, R6W, U.S.B.&M.  
1795' FSL 1718' FEL



SCALE: 1" = 60'  
DATE: 02-08-07  
DRAWN BY: P.M.

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 7109.6'  
FINISHED GRADE ELEV. AT LOC. STAKE = 7107.1'

# BILL BARRETT CORPORATION

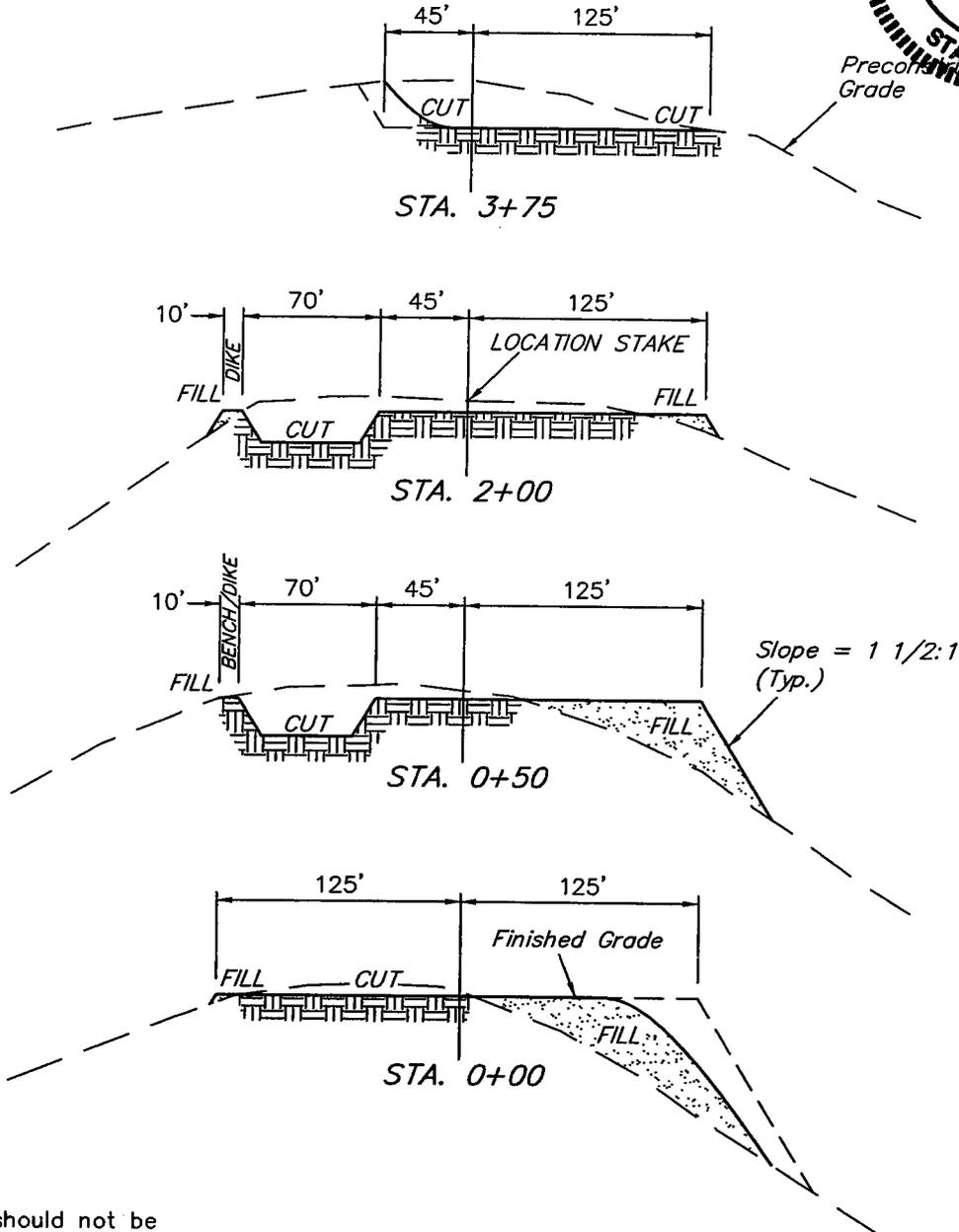
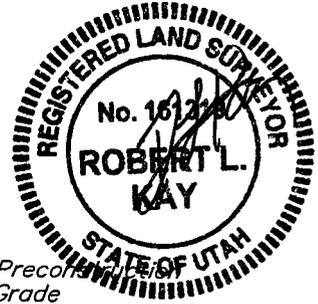
## TYPICAL CROSS SECTIONS FOR

#7-21-46 DLB  
SECTION 21, T4S, R6W, U.S.B.&M.  
1795' FSL 1718' FEL

FIGURE #2

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

DATE: 02-08-07  
DRAWN BY: P.M.



**NOTE:**

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

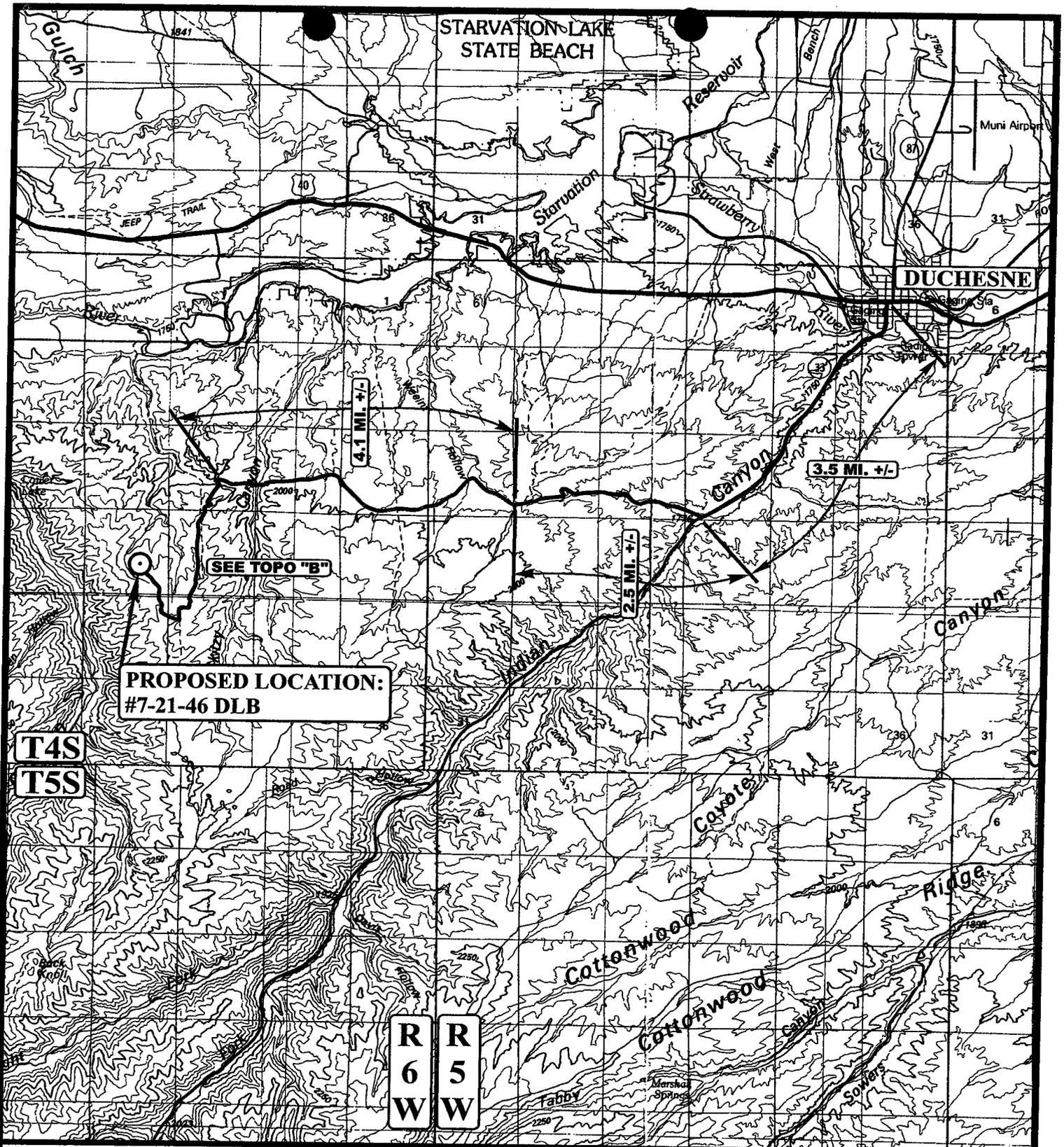
**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(12") Topsoil Stripping	= 3,840 Cu. Yds.
Remaining Location	= 8,370 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 12,210 CU.YDS.</b>
<b>FILL</b>	<b>= 6,740 CU.YDS.</b>

EXCESS MATERIAL	= 5,470 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,470 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.



**PROPOSED LOCATION:  
#7-21-46 DLB**

**T4S  
T5S**

**R6W  
R5W**

**LEGEND:**

○ PROPOSED LOCATION



**BILL BARRETT CORPORATION**

#7-21-46 DLB  
SECTION 21, T4S, R6W, U.S.B.&M.  
1795' FSL 1718' FEL



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

TOPOGRAPHIC MAP  
02 MONTH 06 DAY 07 YEAR  
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00



T4S

R6W

DUCHESNE 10.1 MI. +/-

2.9 MI. +/-

PROPOSED LOCATION:  
#7-21-46 DLB

PROPOSED ACCESS 140' +/-

**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

**BILL BARRETT CORPORATION**

#7-21-46 DLB  
 SECTION 21, T4S, R6W, U.S.B.&M.  
 1795' FSL 1718' FEL



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



**TOPOGRAPHIC  
MAP**

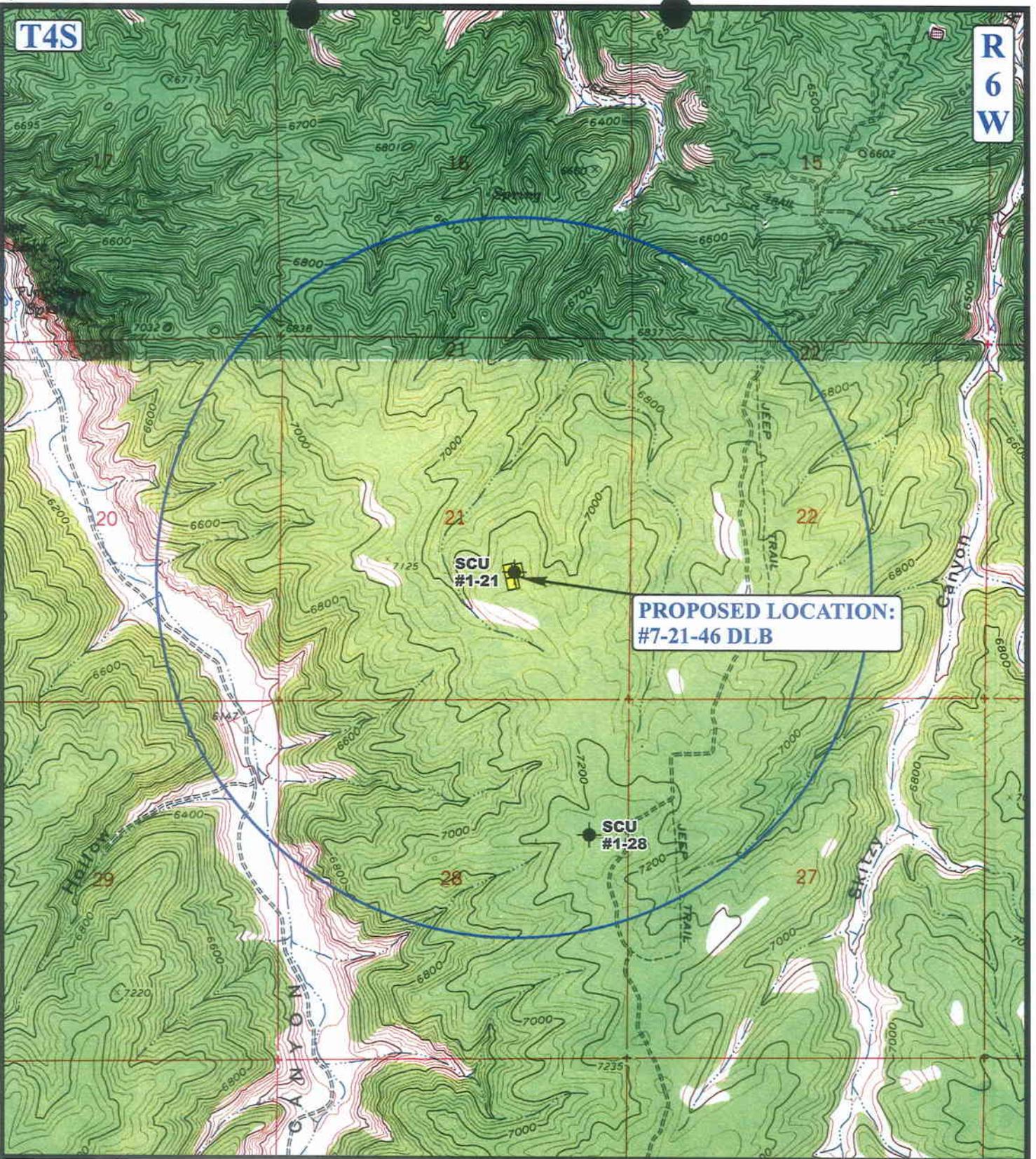
<b>02</b>	<b>06</b>	<b>07</b>
MONTH	DAY	YEAR

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



T4S

R6W



**LEGEND:**

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

**BILL BARRETT CORPORATION**

#7-21-46 DLB  
 SECTION 21, T4S, R6W, U.S.B.&M.  
 1795' FSL 1718' FEL



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



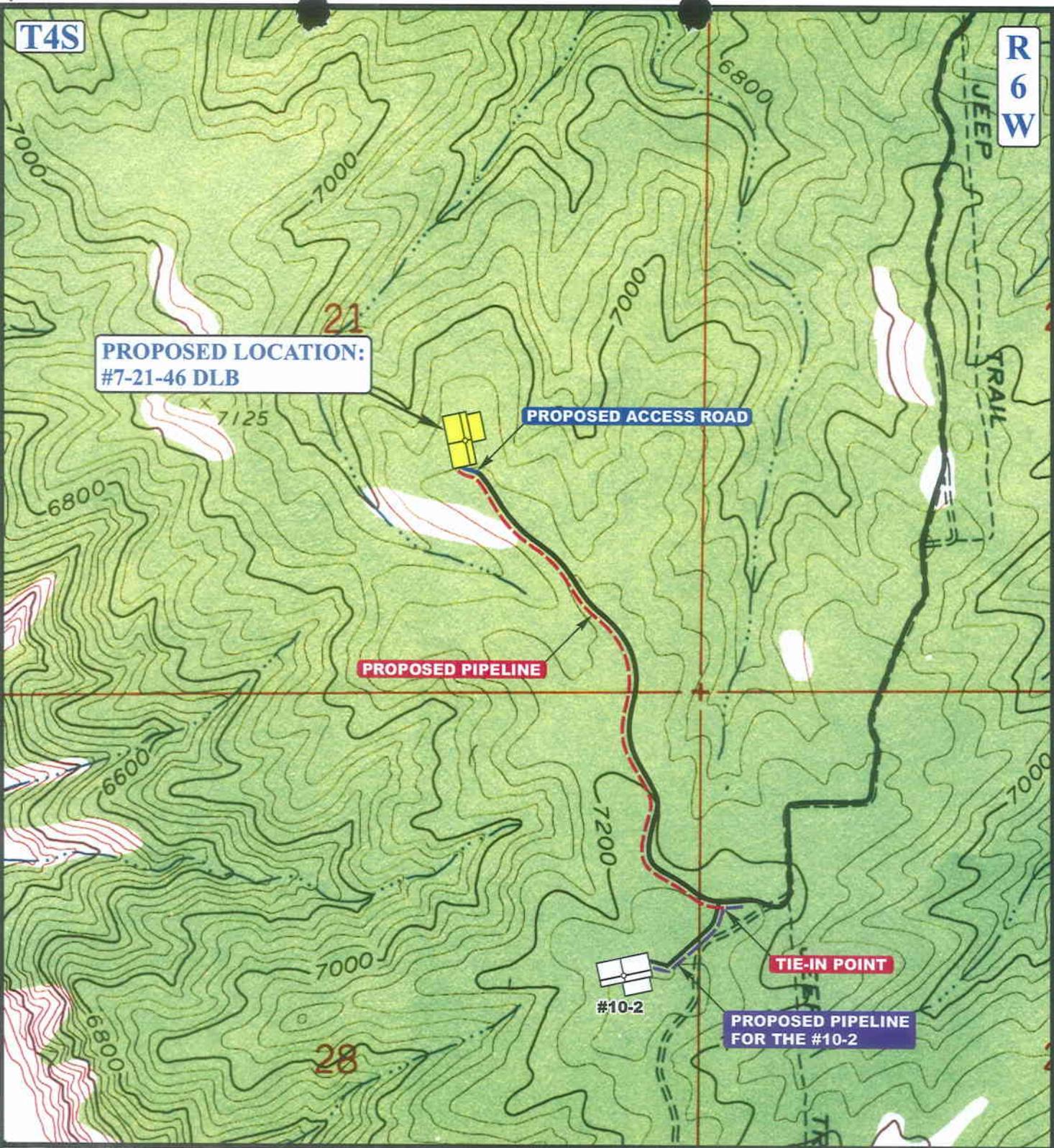
**TOPOGRAPHIC MAP** 02 06 07  
 MONTH DAY YEAR

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



T4S

R 6 W



**PROPOSED LOCATION:  
#7-21-46 DLB**

**PROPOSED ACCESS ROAD**

**PROPOSED PIPELINE**

**TIE-IN POINT**

**PROPOSED PIPELINE  
FOR THE #10-2**

#10-2

**APPROXIMATE TOTAL PIPELINE DISTANCE = 4,062' +/-**

**LEGEND:**

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

**BILL BARRETT CORPORATION**

#7-21-46 DLB  
SECTION 21, T4S, R6W, U.S.B.&M.  
1795' FSL 1718' FEL



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

**TOPOGRAPHIC MAP** 02 06 07  
MONTH DAY YEAR  
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: 43-013-33567
--------------------------------

WELL NAME: 7-21-46 DLB  
 OPERATOR: BILL BARRETT CORP ( N2165 )  
 CONTACT: REED HADDOCK

PHONE NUMBER: 33-312-8168

PROPOSED LOCATION:

NWSE 21 040S 060W  
 SURFACE: 1795 FSL 1718 FEL  
 BOTTOM: 2310 FNL 1980 FEL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.11628 LONGITUDE: -110.5640  
 UTM SURF EASTINGS: 537159 NORTHINGS: 4440544  
 FIELD NAME: ALTAMONT ( 55 )

*SIGNATURE*

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian  
 LEASE NUMBER: 14-20-H62-5500  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: NHORN  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. WYB000040 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- 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 Strip

T4S R6W

SKITZY CYN  
UTE 4-22-1A

SKITZY CYN  
UTE 1-22-2A ◊

# ALTAMONT FIELD

20

SKITZY CYN  
UTE 1-20-3A ◊

21

BHL  
7-21-46 DLB

7-21-46 DLB  
SKITZY CYN  
UTE 21 1-21-3A

LC TRIBAL  
16-21-46 ◊

22

SKITZY CYN  
UTE 3-22-1C

SKITZY CYN  
UTE 2-22-2C

29

BHL  
7-29-46 DLB

SKITZY CYN  
UTE 3-29-2C

BHL  
5-28-46 DLB

5-28-46 DLB  
7-29-46 DLB

28

LC TRIBAL 8-28-46  
7-28-46 DLB  
SKITZY CYN  
UTE 1-28-2C

BHL  
7-28-46 DLB

5-27-46 DLB

BHL  
5-27-46 DLB

27

SKITZY CYN  
UTE 1-27-4B ◊

32

UTE TRIBAL  
1-34

33

UTE TRIBAL  
1-33

5-34-46 DLB

34

T5S R6W

OPERATOR: BILL BARRETT CORP (N2165)

SEC: 21,27,28,29 T.4S R. 6W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

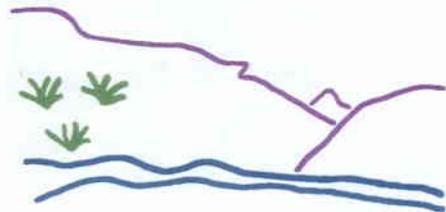
SPACING: R649-3-11 / DIRECTIONAL DRILLING

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



PREPARED BY: DIANA MASON  
DATE: 8-MARCH-2007



March 12, 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 #7-21-46 DLB Well  
Surface: 1795' FSL & 1718' FEL - NWSE, 21-T4S-R6W  
Bottom Hole: 2310' FNL & 1980' FEL - SWNE, 21-T4S-R6W  
Duchesne County, Utah

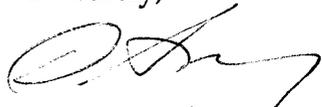
Dear Ms. Whitney:

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 303-312-8129.

Sincerely,

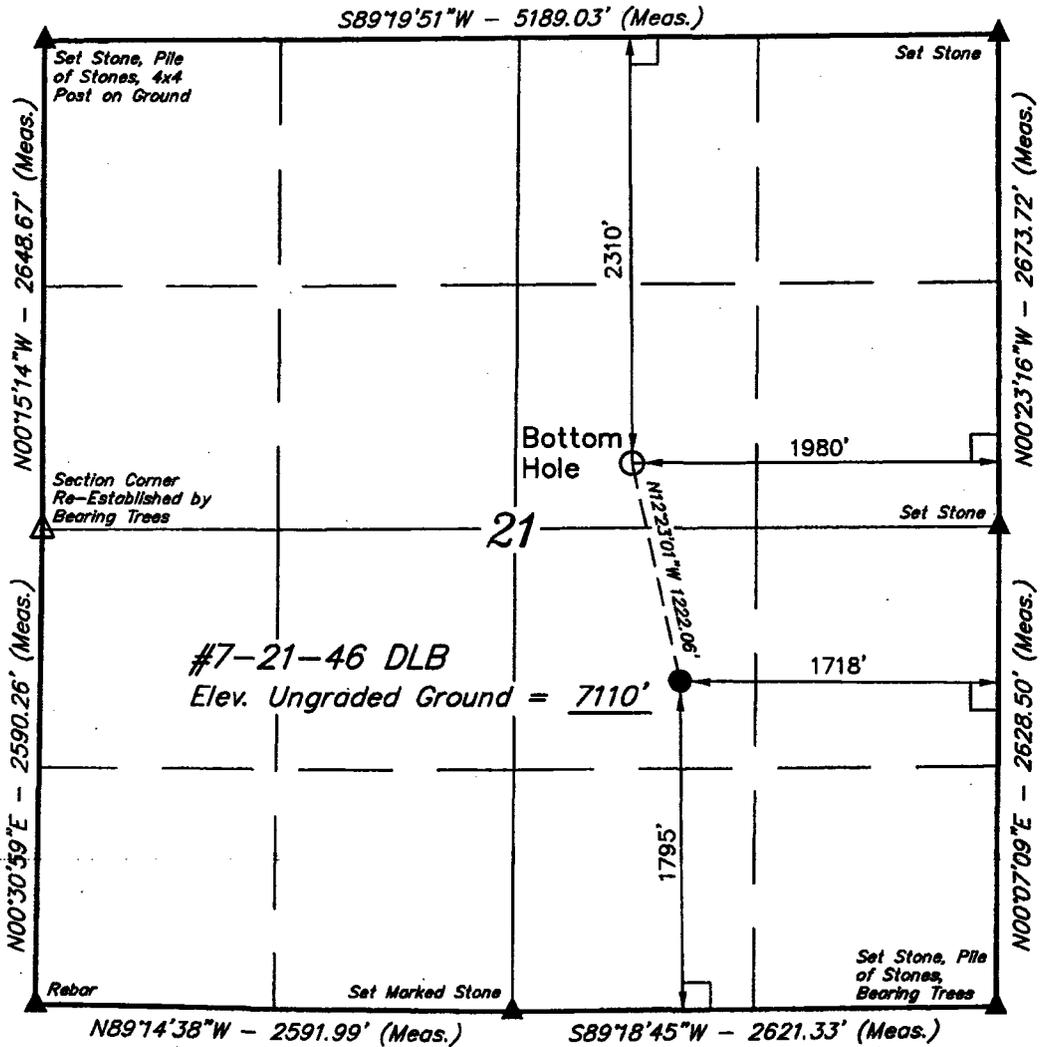
  
Doug Gundry-White  
Senior Landman

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

RECEIVED  
MAR 14 2007

DIV. OF OIL, GAS & MINING

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



**BILL BARRETT CORPORATION**

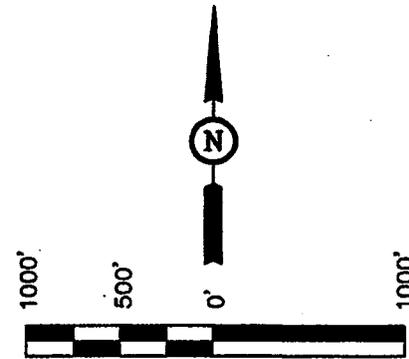
Well location, #7-21-46 DLB, located as shown in the NW 1/4 SE 1/4 of Section 21, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

**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**

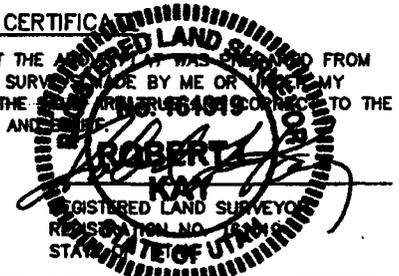
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATION

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



REVISED: 02-14-07

**LEGEND:**

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

(NAD 83)  
 LATITUDE = 40°06'58.43" (40.116231)  
 LONGITUDE = 110°33'52.58" (110.564606)  
 (NAD 27)  
 LATITUDE = 40°06'58.58" (40.116272)  
 LONGITUDE = 110°33'50.02" (110.563894)

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

SCALE 1" = 1000'	DATE SURVEYED: 01-30-07	DATE DRAWN: 02-08-07
PARTY D.R. Q.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 14, 2007

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

Re: 7-21-46 DLB Well, Surface Location 1795' FSL, 1718' FEL, NW SE,  
Sec. 21, T. 4 South, R. 6 West, Bottom Location 2310' FNL, 1980' FEL,  
SW NE, Sec. 21, T. 4 South, R. 6 West, 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 43-013-33567.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Bill Barrett Corporation  
Well Name & Number 7-21-46 DLB  
API Number: 43-013-33567  
Lease: 14-20-H62-5500

Surface Location: NW SE      Sec. 21      T. 4 South      R. 6 West  
Bottom Location: SW NE      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

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, Allottee 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.  
**# 7-21-46 DLB**

2. Name of Operator  
**BILL BARRETT CORPORATION**

9. API Well No.  
**43-013-33567**

3a. Address **1099 18th Street, Suite 2300 Denver CO 80202** 3b. Phone No. (include area code)  
**(303) 312-8168**

10. Field and Pool, or Exploratory  
**Wildcat**

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface **NWSE, 1795' FSL, 1718' FEL**  
At proposed prod. zone **SWNE, 2310' FNL, 1980' FEL**

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 13 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) **1718' SHL; 1980' 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. **Approximately 70'**

19. Proposed Depth  
**9120'**

20. BLM/BIA Bond No. on file  
**Nationwide Bond #WYB000040**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**7110' ungraded ground**

22. Approximate date work will start\*  
**06/01/2007**

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 **02/26/2007**

Title **Permit Analyst**

Approved by (Signature) *[Signature]* Name (Printed/Typed) **JERRY KENNELA** Date **6-21-2007**

Title **Assistant Field Manager** Office **VERNAL FIELD OFFICE**  
**Lands & Mineral Resources**

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)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

JUN 26 2007

DIV. OF OIL, GAS & MINING



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 Corp.  
**Well No:** 7-21-46 DLB  
**API No:** 43-013-33567

**Location:** NWSE, Sec. 21, T4S, R6W  
**Lease No:** 14-20-H62-5500  
**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:	Chuck MacDonald	435-781-4441	
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**

- |  |  |
|--|--|
| Location Construction<br>(Notify NRS/Enviro Scientist)                     | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify NRS/Enviro Scientist)                       | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)                                 | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Supervisory Petroleum Technician)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(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)**

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- A 3817.23' 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 ROWs.
- 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 APDs 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 APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- 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 Energy & Minerals Department shall be notified shall 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.
- Re-route road and pipeline as previously determined at the on-site.
- Paint tanks Olive Black.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- Use 1" tubing to cement top 100 feet of surface casing with class G neat cement (1.18 cubic feet per sack).
- 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.

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

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if 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 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202

Operator Account Number: N 2165  
Phone Number: (303) 312-8546

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301333567	# 7-21-46 DLB	NWSE	21	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
A	99999	16526	11/29/2007		11/29/07	
Comments: Spudding Operations will be conducted by Craig Roustabout Service, Inc. on 11/29/2007 @ 10:00am. <i>NHORN</i>						

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)

Reed Haddock  
 Name (Please Print)  
*Reed Haddock*  
 Signature  
 Permit Analyst  
 Title  
 11/28/2007  
 Date

RECEIVED  
NOV 28 2007

DIV. OF OIL, GAS & MINING

(5/2000)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

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

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well  
 Oil Well  Gas Well  Other

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

8. Well Name and No.  
# 7-21-46 DLB

2. Name of Operator  
Bill Barrett Corporation

9. API Well No.  
43-013-33567

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 Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1795' FSL x 1718' FEL  
NW/4, SE/4, Section 21, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Activity
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly drilling activity from 12/1/07 - 12/10/2007.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 12/10/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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, agency, or officer of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

DEC 13 2007

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/10/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 11

Depth At 06:00 : 3662

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007

Days From Spud : 8

Morning Operations : PULLING PIPE TO TRY TO BREAK CIRC / CIRC @ 1300'

Time To	Description
7:30 AM	MIX LCM & PUMP SAME @ 3662'
11:00 AM	POOH, STAND BACK WT PIPE / MOTOR
11:00 AM	RIG SERVICE / FUNTION TEST BOPS
2:30 PM	TIH PICK UP 12 JTS EOT 3003'
4:30 PM	CIRC & MIX LCM W/ POLY SWELL PILL SPOT SAME
6:00 PM	POOH TO CASING SQUEEZE PILL
8:00 PM	CIRC & BIULD ANOTHER PILL
8:30 PM	TIH TO 2422
9:30 PM	PUMP PILL & SPOT
10:00 PM	POOH TO 913
10:30 PM	SQUEEZE PILL 100 PSI @ SURFACE
3:00 AM	POOH, PU BIT & RIH TO TD
4:00 AM	TRY TO CIRC, NO RETURNS
6:00 AM	PULL 10 STDS TRY TO BREAK CIRC, 0% RETURNS (HOLE STAYING FULL) PULL 10 MORE STANDS, ATTEMPT TO CIRC., NO CIRC PULLING 5 MORE

## Remarks :

DSLTA 102  
SAFETY MEETINGS:MIXING MUD & CHEMICALS  
294 JTS MIXED DP.  
(2)8"DC  
(30)4 1/2" SWDP-Rental Knight Oil Tools  
Mudmotors:  
HUNTING 8" SN 8019 -In hole-(16 hrs)  
SN 8052 CLEAN-  
Hunting 6.5" AKO S/n 2019  
S/N 2102(15 hrs-In hole)  
FUEL:6302 GAL  
USED: 801 GAL  
TOTAL FUEL USED:6439 GAL  
Boiler24 HRS  
Daily water hauled:4800 bbl  
Total water hauled: 17510 bbl  
KCL water hauled:400bbbls total  
BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
Accum:2900 psi  
Man:2000 psi  
Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/I

Operations Date : 12/9/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 10

Depth At 06:00 : 3662

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 7

Morning Operations : LOST RETURNS APP 6000 BBL IN 24 HRS

Time To	Description
8:00 AM	DRLG. F/ 3041 TO 3135 60 TO 90 % RETURNS
8:30 AM	LOST CIRC MIX MUD
1:00 PM	DRLG. 3135 TO 3303 50% RETURNS
3:30 PM	LOST CIRC MIX MUD / THEN CIRC 50% RETURNS
3:00 AM	DRLG. 3303 TO 3662 60 % RETURNS
6:00 AM	LOST RETURNS, MIX MUD

Remarks :

DSLTA 101  
SAFETY MEETINGS: fire ext / working in snow  
294 JTS MIXED DP.  
(2)8"DC  
(30)4 1/2" SWDP-Rental Knight Oil Tools  
Mudmotors:  
HUNTING 8" SN 8019 -In hole-(16 hrs)  
SN 8052 CLEAN-  
Hunting 6.5" AKO S/n 2019  
S/N 2102(15 hrs-In hole)  
FUEL:2603 GAL  
USED: 1233 GAL  
TOTAL FUEL USED:6439 GAL  
Boiler24 HRS  
Daily water hauled:2000 bbl  
Total water hauled: 12710 bbl  
KCL water hauled:400bbls total  
BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
Accum:2900 psi  
Man:2000 psi  
Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/I

Operations Date : 12/8/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 9

Depth At 06:00 : 3041

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 6

Morning Operations : DRLG

Time To	Description	Remarks :
10:00 AM	DRLG. F/ 2410 TO 2632	DSLTA 100
10:30 AM	RIG SERVICE	SAFETY MEETINGS: fire ext / working in snow
6:30 PM	drig f/ 2632 TO 2945	294 JTS MIXED DP.
8:00 PM	LOST CIRC MIX MUD	(2)8"DC
9:00 PM	DRLG 2945 TO 3009	(30)4 1/2" SWDP-Rental Knight Oil Tools
10:00 PM	TRY TO SURVEY, TOOL QUIT	Mudmotors:
11:00 PM	CIRC & PUMP PILL	HUNTING 8" SN 8019 -In hole-(16 hrs)
1:30 AM	POOH CHANGE BIT	SN 8052 CLEAN-
2:30 AM	DIR. WORK CHANGE MWD TOOL	Hunting 6.5" AKO S/n 2019
4:00 AM	TIH	S/N 2102(15 hrs-In hole)
4:30 AM	BREAK CIRC WASH TO BOTTOM	FUEL:3836 GAL
6:00 AM	DRLG F/ 3009 TO 3041	USED: 1096 GAL
		TOTAL FUEL USED:5206 GAL
		Boiler24 HRS
		Daily water hauled:0 bbl
		Total water hauled: 10710 bbl
		KCL water hauled:400bbls total
		BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC
		Accum:2900 psi
		Man:2000 psi
		Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/L

Operations Date : 12/7/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 8

Depth At 06:00 : 2410

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 5

Morning Operations : DRLG.

Time To	Description
7:30 AM	WORK TIGHT HOLE & REGAIN CIRC @ 1525'
6:00 AM	DRLG F/ 1525 TO 2410

Remarks :

DSLTA 99  
SAFETY MEETINGS:Tripping pipe;100% Tie off.  
294 JTS MIXED DP.  
(2)8"DC  
(30)4 1/2" SWDP-Rental Knight Oil Tools  
Mudmotors:  
HUNTING 8" SN 8019 -In hole-(16 hrs)  
SN 8052 CLEAN-  
Hunting 6.5" AKO S/n 2019  
S/N 2102(15 hrs-In hole)  
FUEL:4932 GAL  
USED: 1370 GAL  
TOTAL FUEL USED:4110 GAL  
Boiler24 HRS  
Daily water hauled:1370 bbl  
Total water hauled: 10710 bbl  
KCL water hauled:400bbls total  
BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
Accum:2900 psi  
Man:2000 psi  
Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/6/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 7

Depth At 06:00 : 1525

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 4

Morning Operations : Drilling ahead

Time To	Description	Remarks :
7:00 AM	POOH w/bit #2	DSLTA 98
9:30 AM	Blow down 4" choke manifold line& choke manifold	SAFETY MEETINGS:Tripping pipe;100% Tie off. 294 JTS MIXED DP. (2)8"DC
11:30 AM	Install MWD probe,set AKO to 1.83 deg,scribe motor-MWD not working;change out components	(30)4 1/2" SWDP-Rental Knight Oil Tools Mudmotors: HUNTING 8" SN 8019 -In hole-(16 hrs) SN 8052 CLEAN-
12:00 PM	TIH	Hunting 6.5" AKO S/n 2019 S/N 2102(15 hrs-In hole)
2:00 PM	Function test accumulator-not holding pressure-fix leak on control valve on HCR.;perform accumulator test-test successful.**Need to bring Nitrogen precharge up to 1100 psi.B&C will be here tommorrow to charge bottles***	FUEL:6302 GAL USED: 959 GAL TOTAL FUEL USED:2740 GAL Boiler24 HRS
2:30 PM	Rig service	Daily water hauled:2970 bbl Total water hauled: 9340 bbl KCL water hauled:400bbis total
3:30 PM	TIH-Install drive bushings f/rotating head.	BOP Drills:Crew1: Crew2: Accum:2900 psi Man:2000 psi Ann:1050 psi
4:30 PM	Drill f/ 990'ft to 1020'ft	
6:30 PM	Repair rig:Crown-O-Matic not working.	
6:00 AM	Directional drill f/ 1020'ft to 1525'ft w/9.9deg inc. @ 342 az.	

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/I

Operations Date : 12/5/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 6

Depth At 06:00 : 990

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 3

Morning Operations : Drilling ahead

Time To	Description
2:30 PM	NU/BOP,choke manifold
8:00 PM	Test BOP's: Blind rams.Pipe rams,HCR,Manual 4"valve,2" kill line valves,check valve,choke manifold,kelly,upper & lower kelly valves,FOFV & Dart valve to 3000#psi.Test Annular & casing to 1500#psi.Perform accumulator test.Hookup flarelines to pit.Install wear ring
12:00 AM	PU/Milltooth bit,MM,Directional tools;Zero MM.
1:30 AM	TIH-Tagged cement @ 891'ft
4:00 AM	Drill cement,float collar @ 890'ft,drill 43'ft cement in shoe jt,drill guide shoe @935'ft
6:00 AM	Drill new formation f/ 935'ft to 990'ft

Remarks :

DSLTA 97  
 SAFETY MEETINGS:Nippe up:1st day on rig  
 294 JTS MIXED DP.  
 (2)8"DC  
 (30)4 1/2" SWDP-Rental Knight Oil Tools  
 Mudmotors:  
 HUNTING 8" SN 8019 -In hole-(16 hrs)  
 SN 8052 CLEAN-  
 Hunting 6.5" AKO S/n 2019  
 S/N 2102(2 hrs-In hole)  
 FUEL:7261 GAL  
 USED: 959 GAL  
 TOTAL FUEL USED:1781 GAL  
 Boiler24 HRS  
 Daily water hauled:2970 bbl  
 Total water hauled: 9340 bbl  
 KCL water hauled:bbls total  
 BOP Drills:Crew1: Crew2:  
 Accum:2900 psi  
 Man:2000 psi  
 Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/4/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 5

Depth At 06:00 : 935

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007

Days From Spud : 2

**Morning Operations :**

Time To	Description	Remarks :
12:30 PM	Drill 12.25" surface f/ 509'ft to 935'ft TD well.	DSLTA 96
1:00 PM	Pump sweep & circulate BU/hole clean	SAFETY MEETINGS: 294 JTS MIXED DP. (2)8"DC
1:30 PM	Short trip out to DC & back in hole	(30)4 1/2" SWDP-Rental Knight Oil Tools Mudmotors:
2:30 PM	Circulate & condition-Pump LCM sweep to regain returns.	HUNTING 8" SN 8019 -In hole-(16 hrs) SN 8052 CLEAN-
3:00 PM	POOH to run 9 5/8" surface casing	Hunting 6.5" AKO S/n 2019 S/N 2102
4:00 PM	LD/12.25" PDC bit,8"MM,(2)8"DC's	FUEL:8220 GAL
7:00 PM	RU/T-Rex Casing service &hold safety meeting; run 937'ft(22Jts)9 5/8" 36# J55 STC Surface casing/RD T-Rex	USED: 822 GAL TOTAL FUEL USED: 822 GAL Boiler24 HRS
12:00 AM	RU/HES Cement;Held safety meeting w/ rig crews.Mix & pump 220 sx(72.5bbls)Lead cement & 180sx(36.9bbls)Tail cement.Drop plug & pump 69bbls displacement.Plug down @ 23.55 hrs.Test floats/Floats held.44bbls cement to surface.Cement fell.	Daily water hauled:130 bbl Total water hauled: 6370 bbl KCL water hauled;bbls total BOP Drills:Crew1: Crew2:
1:30 AM	Cement top job/watch cement./Cement fell	Accum: psi
2:30 AM	Cement top job/watch cement/cement stayed/RD HES cement.	Man: psi
4:30 AM	WOC	Ann: psi
6:00 AM	Weld on WHInc 11"5 x 9 5.8" 5M wellhead	

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/3/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 4

Depth At 06:00 : 509

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 1

Morning Operations : Rig up

Time To	Description
2:30 PM	Rig up/PU kelly,PU/ 12.25"bit,8"MM,(2)8"DC &SWDP.Fill mud tanks w/H2O.Weld on conductor & hookup flowline. ***Notified Carol Daniels w/State of Utah & Jamie Sparger w/BLM of spud time***
6:00 AM	Spud well.Drill 12.25" hole f/ 55'ft to 590'ft-Survey @ 190'ft-Missrun.Survey@ 470'ft-1 deg

Remarks :

DSLTA 94  
SAFETY MEETINGS:  
294 JTS MIXED DP.  
(2)8"DC  
(30)4 1/2" SWDP-Rental Knight Oil Tools  
Mudmotors:  
HUNTING 8" AKO SN 8019 -In hole-(16 hrs)  
SN 8052 CLEAN-

FUEL:9042 GAL  
USED: GAL  
TOTAL FUEL USED: GAL  
Boiler24 HRS  
Daily water hauled:2340 bbl  
Total water hauled: 6240 bbl  
KCL water hauled:bbls total  
BOP Drills:Crew1: Crew2:  
Accum: psi  
Man: psi  
Ann: psi

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/2/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 3

Depth At 06:00 :

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 0

Morning Operations : Rig up

Time To	Description
6:00 AM	Rig idle overnight
6:00 PM	Rig up/Raise derrick & sub,move camps.Releasaed trucks @13:00hrs. **Winter storm conditions-8"new snow w/30mph winds.Whiteout conditions most of the day.Used both crews all day.Will break tour tomorrow.

Remarks :

DSLTA 93  
SAFETY MEETINGS:  
294 JTS MIXED DP.  
(2)8"DC  
(13) 6 1/4" DC  
(30)4 1/2" SWDP-Rental Knight Oil Tools  
Mudmotors:  
HUNTING 8" AKO SN 8019 Dirty  
SN 8052 CLEAN-

FUEL: GAL  
USED: GAL  
TOTAL FUEL USED: GAL  
Boiler24 HRS  
Daily water hauled:0 bbl  
Total water hauled: 3900 bbl  
KCL water hauled:bbls total  
BOP Drills:Crew1: Crew2:  
Accum: psi  
Man: psi  
Ann: psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/1/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 2

Depth At 06:00 :

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 0

Morning Operations : Rig move

Time To	Description	Remarks :
6:00 AM	Rig idle overnight	DSLTA 92 SAFETY MEETINGS: 294 JTS MIXED DP. (2)8"DC
6:00 PM	Rig up /Set mats,subs,pin derrick together,set derrick on floor,set in SCR house,mud pumps,mud tanks & remaining buildings	(13) 6 1/4" DC (30)4 1/2" SWDP-Rental Knight Oil Tools Mudmotors: HUNTING 8" AKO SN 8019 Dirty SN 8052 CLEAN-
		FUEL: GAL USED: GAL TOTAL FUEL USED: GAL Boiler24 HRS Daily water hauled:0 bbl Total water hauled: 3900 bbl KCL water hauled:bbls total BOP Drills:Crew1: Crew2: Accum: psi Man: psi Ann: psi

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 11/30/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 1

Depth At 06:00 :

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 0

Morning Operations : Rig move

Time To	Description	Remarks :
6:00 PM	Rig down/Move rig	DSLTA 91 SAFETY MEETINGS: 294 JTS MIXED DP. (2)8"DC
6:00 AM	Rig idle overnight	(13) 6 1/4" DC (30)4 1/2" SWDP-Rental Knight Oil Tools Mudmotors: HUNTING 8" AKO SN 8019 Dirty SN 8052 CLEAN-
		FUEL: GAL USED: GAL TOTAL FUEL USED: GAL Boiler24 HRS Daily water hauled:0 bbl Total water hauled: 3900 bbl KCL water hauled:bbls total BOP Drills:Crew1: Crew2: Accum: psi Man: psi Ann: psi

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

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

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

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

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.  
# 7-21-46 DLB

2. Name of Operator  
Bill Barrett Corporation

9. API Well No.  
43-013-33567

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 Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1795' FSL x 1718' FEL  
NW/4, SE/4, Section 21, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Drilling</u> Activity
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly drilling activity from 12/10/07 - 12/17/2007.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 12/17/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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

**RECEIVED**

(Instructions on page 2)

**DEC 19 2007**

DIV. OF OIL, GAS & MINING

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/I

Operations Date : 12/17/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 18

Depth At 06:00 : 5693

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 15

Morning Operations : Drilling ahead in drop section

Time To	Description
2:00 PM	Reaming f/ 4106'ft to 5136'ft-Mixing LCM for losses-15% in system
5:30 PM	Directional drill f/ 5136'ft to 5220'ft
6:00 PM	Rig service
6:00 AM	Directional drill f/ 5220'ft to 5693'ft w/ 11.13 deg inc. w/ 337.87 az. **10%LCM in system/shakers bypassed**...

Remarks :

DSLTA 107  
 SAFETY MEETINGS:  
 294 JTS MIXED DP.  
 (2)8"DC  
 (30)4 1/2" SWDP-Rental Knight Oil Tools  
 Mudmotors:  
 HUNTING 8" SN 8019 -In hole-(16 hrs)  
 SN 8052 CLEAN-  
 Hunting 6.5" AKO S/n 2019(4 hrs-In hole)  
 S/N 2102(175 hrs-Dirty)  
 FUEL:3288 GAL  
 USED:1370 GAL  
 TOTAL FUEL USED:12,102 GAL  
 Boiler24 HRS  
 Daily water hauled:2340 bbl  
 Total water hauled: 20630 bbl  
 KCL water hauled:400bbbls total  
 BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
 Accum:2900 psi  
 Man:2000 psi  
 Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/16/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 17

Depth At 06:00 : 5136

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 14

Morning Operations : Reaming to bottom

Time To	Description
4:00 PM	Directional drill f/ 4780'ft to 5136'ft w/12 deg inc @ 352 az.
4:30 PM	Rig service
5:00 PM	Circulate bottoms up
9:00 PM	POOH w/ bit #4
10:00 PM	LD/MM,PDC bit;PU/MM,PDC-Set AKO on MM to 1.50 deg.
2:00 AM	TIH w/bit #5
6:00 AM	Tagged bridge @3835'ft-Reaming tight hole-Lost 125bbls mud to hole-Mixing LCM for losses.

Remarks :

DSLTA 107  
 SAFETY MEETINGS:  
 294 JTS MIXED DP.  
 (2)8"DC  
 (30)4 1/2" SWDP-Rental Knight Oil Tools  
 Mudmotors:  
 HUNTING 8" SN 8019 -In hole-(16 hrs)  
 SN 8052 CLEAN-  
 Hunting 6.5" AKO S/n 2019(4 hrs-In hole)  
 S/N 2102(175 hrs-Dirty)  
 FUEL:3288 GAL  
 USED:1370 GAL  
 TOTAL FUEL USED:12,102 GAL  
 Boiler24 HRS  
 Daily water hauled:2340 bbl  
 Total water hauled: 20630 bbl  
 KCL water hauled:400bbls total  
 BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
 Accum:2900 psi  
 Man:2000 psi  
 Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/15/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 16

Depth At 06:00 : 4778

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007

Days From Spud : 13

Morning Operations : Directional drill in tangent section @ 13 deg inc w/ 347 deg az

Time To	Description
1:00 PM	Directional drill f/ 3957'ft to 4308'ft
1:30 PM	Rig service
2:00 PM	Repair pumps-both down
4:00 PM	Repair swivel packing
6:00 AM	Directional drill f/ 4308'ft to 4780'ft w/ 12.44 deg inc @ 351.57 az--**Started shaking LCM out of system at 4000'ft & lost returns at 4450'ft-Pulled shaker screens back and put 10% LCM back in system.Returns back at 4500'ft-Keeping LCM in active system.

Remarks :

DSLTA 106  
 SAFETY MEETINGS:  
 294 JTS MIXED DP.  
 (2)8"DC  
 (30)4 1/2" SWDP-Rental Knight Oil Tools  
 Mudmotors:  
 HUNTING 8" SN 8019 -In hole-(16 hrs)  
 SN 8052 CLEAN-  
 Hunting 6.5" AKO S/n 2019  
 S/N 2102(85 hrs-In hole)  
 FUEL:7809 GAL  
 USED: 822 GAL  
 TOTAL FUEL USED:9432 GAL  
 Boiler24 HRS  
 Daily water hauled:2340 bbl  
 Total water hauled: 20630 bbl  
 KCL water hauled:400bbbls total  
 BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
 Accum:2900 psi  
 Man:2000 psi  
 Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/14/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 15

Depth At 06:00 : 3957

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007

Days From Spud : 12

Morning Operations : Drill cement

Time To	Description
9:30 AM	Circulate & WOC 30'ft above cement plug.
5:30 PM	Tag cement @ 3098'ft-Drill 564'ft cement to 3662'ft.
6:00 PM	Rig service
6:00 AM	Directional drill f/3662'ft to 3957'ft w/10.56 deg inc @ 333.49 az.

## Remarks :

DSLTA 105  
SAFETY MEETINGS:MIXING MUD & CHEMICALS  
294 JTS MIXED DP.  
(2)8"DC  
(30)4 1/2" SWDP-Rental Knight Oil Tools  
Mudmotors:  
HUNTING 8" SN 8019 -In hole-(16 hrs)  
SN 8052 CLEAN-  
Hunting 6.5" AKO S/n 2019  
S/N 2102(85 hrs-In hole)  
FUEL:7809 GAL  
USED: 822 GAL  
TOTAL FUEL USED:9432 GAL  
Boiler24 HRS  
Daily water hauled:2340 bbl  
Total water hauled: 20630 bbl  
KCL water hauled:400bbbls total  
BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC  
Accum:2900 psi  
Man:2000 psi  
Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/I

Operations Date : 12/13/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 14

Depth At 06:00 :

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007

Days From Spud : 11

Morning Operations : CIRC 300' ABOVE EST TOP OF CEMENT W.O.C.

Time To	Description	Remarks :
7:30 AM	SET 100 SX BALANCED CEMENT PLUG @ 3601 EOT TYPE G 50/50 POZ W/ 2% GEL 5#SK GILSONITE 1#SK GRANULITE 1/8 # SK POLY E FLAKE @13.7.LB/GAL HAD RETURNS THROUGH OUT JOB PUMPED 72 BBL PIT GAINED 57 BBL	DSLTA 105 SAFETY MEETINGS:MIXING MUD & CHEMICALS 294 JTS MIXED DP. (2)8"DC (30)4 1/2" SWDP-Rental Knight Oil Tools Mudmotors: HUNTING 8" SN 8019 -In hole-(16 hrs) SN 8052 CLEAN-
8:00 AM	PULL 10 STDS	Hunting 6.5" AKO S/n 2019 S/N 2102(15 hrs-In hole)
8:30 AM	CIRC BOTTOMS UP	FUEL:6439 GAL USED: 1370 GAL TOTAL FUEL USED:10,802 GAL Boiler24 HRS
10:00 AM	PULL TO SURFACE CASING	Daily water hauled:2340 bbl Total water hauled: 20630 bbl KCL water hauled:400bbls total
2:00 PM	W.O.C. KEEP HOLE FULL NO LOSS	BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC
4:00 PM	TRIP IN HOLE	Accum:2900 psi Man:2000 psi Ann:1050 psi
5:00 PM	CIRC / W.O.C.	
5:30 PM	SINGLE IN W/ KELLY FOUND PLUG @ 3314	
6:00 PM	CIRC RU HALLABURTON	
6:30 PM	SET BALANCED PLUG EOT 3313' 100 SK 50/50 POS TYPE G W/2%GEL5#SK GILSONITE 1#SK GRANULITE 1/8# SK POLY FLAKE @ 13.7LB/GAL FULL RETURNS	
7:00 PM	PULL 10 STDS	
8:00 PM	CIRC BOTTOMS UP RD HALLABURTON	
12:00 PM	LD 51 JTS DP PULL ON OUT OF HOLE	
1:30 AM	TRIP IN HOLE W/ BIT MOTOR MWD SHWDP	
2:30 AM	CUT DRLG. LINE	
5:00 AM	STRAP & TRIP IN 18 STD DP	
6:00 AM	CIRC 300' ABOVE EST. TOP OF CEMENT W.O.C.	

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/I

Operations Date : 12/12/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 13

Depth At 06:00 : 3662

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007

Days From Spud : 10

Morning Operations : rig up halaburton to set plug

Time To	Description	Remarks :
7:00 AM	CIRC & MIX MUD @ 3438' 66% RETURNS LOST 140 BBLs	DSLTA 104
9:30 AM	POOH HOLE TOOK 100 BBLs EXTRA TO FILL HOLE, QUIT TRYING TO KEEP FULL	SAFETY MEETINGS:MIXING MUD & CHEMICALS 294 JTS MIXED DP. (2)8"DC
10:30 AM	PULL MWD	(30)4 1/2" SWDP-Rental Knight Oil Tools Mudmotors:
12:00 PM	TRIP IN TO 2622	HUNTING 8" SN 8019 -In hole-(16 hrs) SN 8052 CLEAN-
1:00 PM	CIRC MIX MUD UNLOAD CASING PUT 31 JTS DP ON RACKS LOST 107 BBL AS WE CIRC.	Hunting 6.5" AKO S/n 2019 S/N 2102(15 hrs-In hole)
3:00 PM	PICK UP 31 JTS DP THEN STAND BACK 10 STDS	FUEL:8631 GAL USED: 1075 GAL
9:30 PM	CIRC WT ON HALABURTON LOST 350 BBL FIRST 3 HRS MIXED LCM TILL IT HELD	TOTAL FUEL USED:8610 GAL Boiler24 HRS
10:00 PM	TRIP IN HOLE 3 STDS BROKE SLIPS	Daily water hauled:780 bbl Total water hauled: 18290 bbl
5:00 AM	WAIT ON DP SLIPS ( HOOKED UP SWEDGECIRC )@1:30 a set of 4.5" slips came	KCL water hauled:400bbls total BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC
6:00 AM	TIH TO PREPARE TO PUMP CEMENT	Accum:2900 psi Man:2000 psi Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/11/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 12

Depth At 06:00 : 3662

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 9

Morning Operations : STAGEING IN HOLE @ 3155 75% RETURNS

Time To	Description	Remarks :
8:00 AM	CIRC & BIULD VALUME @ 1300'	DSLTA 103 SAFETY MEETINGS:MIXING MUD & CHEMICALS 294 JTS MIXED DP.
1:00 PM	STAGE IN HOLE BREAK CIRC EVER 5 STDS	(2)8"DC (30)4 1/2" SWDP-Rental Knight Oil Tools
4:30 PM	WASH 150' CIRC ON BOTTOM BIULD GUNK PILL	Mudmotors: HUNTING 8" SN 8019 -In hole-(16 hrs)
6:00 PM	POOH LOST 200 BBLs AS WE MIX PILL	SN 8052 CLEAN-
6:00 PM	SQUEEZE, ABLE TO CIRCULATE ( WOULD NOT HOLD ANY PRESURE)	Hunting 6.5" AKO S/n 2019 S/N 2102(15 hrs-In hole)
11:00 PM	PULL ON OUT PU MOTOR DIR. TOOL TRIP IN HOLE	FUEL:5206 GAL
1:00 AM	TRY TO BREAK CIRC LOST 100 BBLs PULL 3 PUMP 25 BBL TRY 3 MORE25 BBLs THEN 10LOST 140 BBL ON LOC AS WE PULLED OUT 10 STDS	USED: 1096 GAL TOTAL FUEL USED:7535 GAL Boiler24 HRS
6:00 AM	BREAK CIRC AT 2150" FULL RETURNS CIRC THEN STAGE BACK IN 2717 100% RETURNS 3155 66% RETURNS CIRC 2 HR LOST 285 BBL	Daily water hauled:4800 bbl Total water hauled: 17510 bbl KCL water hauled:400bbls total BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC Accum:2900 psi Man:2000 psi Ann:1050 psi

# REGULATORY DRILLING SUMMARY

Wellcore

Well : #7-21-46 DLB

Phase/Area : Brundage Canyon/l

Operations Date : 12/10/2007

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Report # : 11

Depth At 06:00 : 3662

Estimated Total Depth : 9120

Surface Location : NWSE-21-4S-6W-W30M

Spud Date : 12/2/2007 Days From Spud : 8

Morning Operations : PULLING PIPE TO TRY TO BREAK CIRC / CIRC @ 1300'

Time To	Description	Remarks :
7:30 AM	MIX LCM & PUMP SAME @ 3662'	DSLTA 102
11:00 AM	POOH, STAND BACK WT PIPE / MOTOR	SAFETY MEETINGS:MIXING MUD & CHEMICALS
11:00 AM	RIG SERVICE / FUNTION TEST BOPS	294 JTS MIXED DP.
2:30 PM	TIH PICK UP 12 JTS EOT 3003'	(2)8"DC
4:30 PM	CIRC & MIX LCM W/ POLY SWELL PILL SPOT SAME	(30)4 1/2" SWDP-Rental Knight Oil Tools
6:00 PM	POOH TO CASING SQUEEZE PILL	Mudmotors:
8:00 PM	CIRC & BIULD ANOTHER PILL	HUNTING 8" SN 8019 -In hole-(16 hrs)
8:30 PM	TIH TO 2422	SN 8052 CLEAN-
9:30 PM	PUMP PILL & SPOT	Hunting 6.5" AKO S/n 2019
10:00 PM	POOH TO 913	S/N 2102(15 hrs-In hole)
10:30 PM	SQUEEZE PILL 100 PSI @ SURFACE	FUEL:6302 GAL
3:00 AM	POOH, PU BIT & RIH TO TD	USED: 801 GAL
4:00 AM	TRY TO CIRC, NO RETURNS	TOTAL FUEL USED:6439 GAL
6:00 AM	PULL 10 STDS TRY TO BREAK CIRC, 0% RETURNS (HOLE STAYING FULL) PULL 10 MORE STANDS, ATTEMPT TO CIRC., NO CIRC PULLING 5 MORE	Boiler24 HRS
		Daily water hauled:4800 bbl
		Total water hauled: 17510 bbl
		KCL water hauled:400bbls total
		BOP Drills:Crew1: 1 min 10 sec Crew2:1 MIN 22 SEC
		Accum:2900 psi
		Man:2000 psi
		Ann:1050 psi



43-013-33567  
21 4S 6W

**pason systems usa corp.**

16100 Table Mountain Parkway • Ste. 100 • Golden • CO • 80403  
Telephone (720) 880-2000 • Fax (720) 880-0016  
www.pason.com

December 28, 2007

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

**RE: BILL BARRETT CORPORATION  
LAKE CANYON 7-21-46 DLB  
SEC. 21, T4S, R6W  
DUCHESNE COUNTY, UT**

To Whom It May Concern:

Enclosed is the final computer colored log for the above referenced well.

We appreciate the opportunity to be of service to you and look forward to working with you in the near future.

If you have any questions regarding the enclosed data, please contact us.

Sincerely,

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

Bill Nagel  
Geology Manager  
Pason Systems USA  
BN/gdr

Encl: 1 Computer Colored Log.

Cc: Jake Gelfand, Bill Barrett Corp., Denver, CO.

RECEIVED

DEC 31 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

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

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well  
 Oil Well  Gas Well  Other

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

8. Well Name and No.  
# 7-21-46 DLB

2. Name of Operator  
Bill Barrett Corporation

9. API Well No.  
43-013-33567

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 Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1795' FSL x 1718' FEL  
NW/4, SE/4, Section 21, T4S, R6W

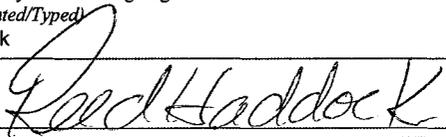
11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Completion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Activity _____
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity from 1/30/08 - 2/19/2008.

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed) Reed Haddock Title Permit Analyst  
Signature  Date 02/19/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Office \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice 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.

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**

**FEB 21 2008**

**DIV. OF OIL, GAS & MINING**

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/19/2008

Report # : 10

AFE # : 14417D

Summary	End Time	Description
6:am well open to flow back tanks well flowing on 48/64" choke fwp 30 psi Stone Well Service rig was miru Bunning Tbg trailers where moved in & spotted pump lines where laid & 30 bbls heated 2% kcl wtr was pumped down well before pressureing up to 500 psi pressure would not drop off well was open to flow back tanks & it was found that IPS flow equipment was plugged off with hard oil well continued flowing. a kill plug was called waited for wire line as well flowed to tanks recovered 355 bbls fluid total have @ 4313.7 bbls frac fluid left to recover shut well in set composites B/P @ 6590' shut in well pressure @ 150 psi at time plug was set. bled well off rdmo wire line n.d frac valve n.u bops prepped for tbg.	10:30 AM	flowed well to flow back tanks Stone rig was moved in & pump lines laid
	11:00 AM	pumped 30 bbls heated 2% kcl wtr to kill well pressured to 500 psi bled off pressure & found that IPS equipment was half plugged w/ hard oil
	2:00 PM	flowed well to flow back tanks waiting for Perf O log to set kill plug.
	3:00 PM	well shut in waiting for wire line top set kill plug
	4:45 PM	set kill plug @ 6590' rdmo wire line
	6:00 PM	n.d frac valve n.u bops prepped for tbg
	7:00 AM	well shut in for night.

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/18/2008

Report # : 9

AFE # : 14417D

Summary	End Time	Description
6:am well open to flow back tanks on 28/64" choke fwp 650 psi continued flowing well to recover @ 9301.9 bbls frac load left to recover well has flowed last 24 hours have recovered 1868 bbls have @ 4668.7 bbls left to recover.	6:00 AM	well open to flow back tanks on 28/64" choke have recovered 1868.0 bbls have @ 4668.7 bbls left to recover

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/17/2008

Report # : 8

AFE # : 14417D

Summary	End Time	Description
7:am well shut in to wire line siwp 720 psi set frac plug # 3 @ 7685' & perforated stage # 4 perfs 7394' to 7519' broke same down at 3801 psi fraced same using 5,000# 100 mesh sand & 134,903 # 20/40 sand as follows avg, rate 71.1 bpm max rate 71.3 bpm avg, press, 2405 psi max press, 2750 psi. ISDP 1520 psi FG. 64 5 min. 1502 psi 10 min 1491 psi 15 min. 1486 psi. set frac plug # 4 @ 7350' & perrforated stage # 5 perfs 7223' to 7295' gross broke same down at 4802 psi fraced using 5000 # 100 mesh sand & 81383 # 20/40 sand fraced as follows avg, rate 36.9 bpm max rate 37.1 bpm avg, press, 2875 psi max press, 3985 psi ISDP 1665 psi FG. 66 ; 5 min 1589 psi 10 min.1570 psi 10 min 1558 psi set frac plug # 5 @ 7174' & perforated stage # 6 perfs 7066' to 7130' gross broke same at 6706 psi fraced same using 5000# 100 mesh & 79,913# 20/40 sand as follows avg, rate 33.0 bpm max rate 33.5 bpm avg, press, 3010 psi max press, 4110 psi; ISDP 1735 psi FG.68 ; 5 min 1650 psi 10 min 1634 psi 15 min. 1624 psi set frac plug # 6 @ 7040' & perforated stage # 7 perfs 6802' to 6974' gross broke same at 3519 psi frac using 5000# 100 mesh & 136,743# 20/40 sand as follows avg, rate 65.5 bpm max rate 65.8 bpm avg, press, 3479 psi max press, 4528 psi ISDP 1781 psi FG.69 ; 5 min 1636 psi 10 min 1607 psi 15 min 1593 psi. set frac plug # 7 & perforated stage # 8 perfs 6616' to 6721' broke same at 1733 psi fraced same using 7,740# 100 mesh & 131,911# fraced as follows avg, rate 55.5 bpm max rate 55.6 bpm avg, press, 2865 psi max rate 3580 psi; ISDP 1820 psi FG.71; 5 min 1704 psi 10 min 1664 psi 15 min 1642 psi shut well in rdmo BJ services & wire line well open at 12:am this morning to recover @ 10,749.9 bbls total load left to recover. well open at 12 am this morning have recovered 1448	6:30 PM	perforating & fracing stages 4 to 8 please note was not on location MR. Mike Angus performed frac work for me.
	11:59 PM	well shut in waiting for frac gel to break
	6:00 AM	well open on 28/64" choke to recover 10,749.9 bbls frac load left top recoverhave recovered 1448 bbls wtr & 35 bbls oil have 9301.9 bbls frac left to recover.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/16/2008

Report # : 7

AFE # : 14417D

Summary	End Time	Description
6:am miru BJ services for initial frac work on well please note bad road condition equipment had to be pulled on to location by road grader miru BJ Services pressured & broke stage # 1 perfs 8155' to 8245' gross at 4689 psi pumped 1000 gals 15% hcl acid seen good pressure drope on acid fraced using 5,000# 100 mesh & 105,171# 20/40 sand as follows avg, rate 36.4 bpm max rate 36.5 bpm avg press, 2991 psi max press, 4562 psi ISDP 1380 psi FG. 60 ; 5 min. 1179 psi 10 min 1099 psi 15 min. 1057 psi set CFP @ 8130' & perforated stage # 2 perfs 7906' to 7984' broke same at 4930 psi pumped 1000 gals 15% hcl acid seen good action on acid fraced using 5000# 100 mesh sand & 96,919# 20/40 sand as follows avg, rate 54.2 max rate 54.3 bpm avg, press, 3199 psi max press, 4300 psi ISDP 1800 psi FG. 66 5 min. 1471 psi 10 min. 1372 psi 15 min. 1326 psi set frac plug #2 @ 7870' & perforated stage # 3 perfs 7709' to 7741' broke same at 4675 psi pumped 1000 gals 15% hcl acid seen acid action faced same using 5000 # 100 mesh & 40,139# 20/40 sand as foellows avg, rate 28.5 max rate 28.7 bpm avg press, 3014 psi max press, 3980 psi ISDP @ 1760 psi FG. 66 5 min. 1600 psi 10 min. 1523 psi 15 min. 1489 psi shut well in r.u to open wel to IPS to flow back frac.	12:00 PM 1:10 PM 2:45 PM 3:55 PM 5:00 PM 5:40 PM 6:10 PM 6:00 AM	miru BJ Services for inital frac work on well. fraced stage # 1 using 110,171# sand total avg, rate 36.4 bpm avg. press, 2991 psi frac grade .60 set frac plug # 1 @ 8130' & perforated stage # 2 perfs 7906' to 7984' gross fraced stage # 2 set frac plug # 2 @ 7870' & perforated stage #3 perfs 7709' to 7741' gross fraced stage # 3 well shut in prepping to flow back well over night well open to flow back frac

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/15/2008

Report # : 6

AFE # : 14417D

Summary	End Time	Description
COST REPORT FOR FRAC TREE TRUCKING TO LOCATION & WTR DISPOSAL FROM PIT. perforated stage # 1 for fracing well seen no pressure after perforating well.		Enter the description here

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/13/2008 Report # : 5  
AFE # : 14417D

Summary : frac tree & csg tested to 8500 psi tested good for fracing well on 2/15/08 End Time Description  
Enter the description here

Well Name : #7-21-46 DLB Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 1/30/2008 Report # : 4  
AFE # : 14417D

Summary : COST ADJUSTMENT FOR R.N.I TO REMOVE PIT WTR TO DISPOSAL End Time Description  
Enter the description here

Well Name : #7-21-46 DLB Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 1/24/2008 Report # : 3  
AFE # : 14417D

Summary : setting rig anchors End Time Description  
Enter the description here

Well Name : #7-21-46 DLB Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 1/17/2008 Report # : 2  
AFE # : 14417D

Summary : miru Lone Wolf Wire line to run 4.75" gage ring & cmt bond log on well from pbtd 8412' to 1900' toc @ 2747' End Time Description  
2:30 PM running cmt bond log on well

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 1/16/2008

Report # : 1

AFE # : 14417D

Summary : installed tbg head & flow tree on well

End Time

Description

12:00 PM

warming of well head & setting of tbg head & flow tree

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

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

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

Oil Well     Gas Well     Other

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

8. Well Name and No.  
# 7-21-46 DLB

2. Name of Operator  
Bill Barrett Corporation

9. API Well No.  
43-013-33567

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 Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1795' FSL x 1718' FEL  
NW/4, SE/4, Section 21, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Completion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Activity _____
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity from 2/19/08 - 2/25/2008.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature



Date 02/25/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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**  
**FEB 27 2008**  
DIV. OF OIL, GAS & MINING

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake (

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/24/2008

Report # : 15

AFE # : 14417D

Summary :	End Time	Description
6:am ftp 15 psi sicip 380 psi bled off well miru D&M hot oil pumped 130 bbls heated 10# brian wtr down tbgs to kill well n.d well head tree n.u bops pooh & tallyed tbgs p.u BHA rih w/ rod production tbgs as shown below n.d bops set tac @ 6588' w/ 20,000 # tension seat nipple set @ 6709' landed tbgs on hanger n.u flow tee swifn.	7:30 AM	miru D&M hot oil pumped 130 bbls 10# brian wtr to kill well
	9:30 AM	n.d well head tree n.u bops prepped for tbgs.
	4:00 PM	pooh & tallyed tbgs p.u Rod production bha rih
	6:00 PM	n.d bops set tac @ 6587' w/ 20,000# tension landed tbgs on hanger swifn
	6:00 AM	well shut in for weekend.

## ROD PRODUCTION TBG

K.B	19.00
TBG STRETCH	2.50
TBG HANGER	.70
213- JTS 2 7/8" L-80	6581.78
5 1/2" TAC	2.74
4 JTS 2 7/8" L-80	121.55
SEAT NIPPLE	1.10
2- JTS 2 7/8" L-80	62.35
PBGA	27.79
3-JTS 2 7/8" L-80	92.46
2 7/8" BULL PLUG	.73

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake (

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/23/2008

Report # : 14

AFE # : 14417D

Summary :	End Time	Description
6:am well open to flow back tanks ftp @ 20 psi on full open line sicip 300 psi continued flowing well until 7:30 am open csg to flow back tanks well flowing oil miru D&M hot oil to tbgs tried to kill well it was found that IPS lines were plugged w/ hard oil took 2 1/2 hours to pump lines free pumped 40 bbls heated 2% kcl wtr down tbgs well started to flow turned well back to IPS to continue testing well to flow back tanks.	8:00 AM	well open to flow back tanks well not flowing much.rig line was r.u to csg well started to flow heavy oil up csg.
	9:00 AM	pumped 40 bbls heated wtr down tbgs
	11:30 AM	warmed & pumped out IPS surface lines plugged w/ hard oil
	12:00 PM	pumped 40 bbls heated 2% kcl down tbgs to kill well would not die
	6:00 AM	turned well back to IPS to recover frac load.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/22/2008 Report # : 13

AFE # : 14417D

Summary	End Time	Description
7 am sitp 0 psi sicip 500 psi bled off pressure rih w/ 38 jts tbg from derrick continued p.u tbg to tag plug @ 7870' p.u power swivel drilled out frac plugs set @ 7870' & 8130' cleaned out well to pbtd 8414' circ, hole clean laid down 59 jts tbg landed tbg on hanger as shown below n.u well head tree pumped off bit turned well over to IPS flow crew. well flowed @ 12 hours recovered 199.5 bbls wtr have recovered 5033.0 bbls load have 6878.7 bbls load left to recover.	8:00 AM	bled well off rih w/ 38 jts tbg prepped to continue p.u tbg off trailer
	12:00 PM	p.u & cleaned out well to pbtd
	1:30 PM	circ, well clean from pbtd
	3:00 PM	laid down 59 jts tbg & landed tbg on hanger
	4:30 PM	n.d bops n.u well head tree
	5:30 PM	pumped off bit sub
	6:00 PM	r.d pump & lines turned well over to IPS to flow well back
	6:00 AM	IPSW flowed well back to frac tanks recovered 199.5 bbls fluid have @ 6878.7 bbls load left to recover.

K.B	19.00
tbg hanger	.70
211 - jts 2 7/8" L-80	6527.10
XN-Nipple	1.32
1-jt 2 7/8" L-80	31.38
POBS	.96

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/21/2008 Report # : 12

AFE # : 14417D

Summary	End Time	Description
7:am sitp 0 psi sicip 175 psi bled off well r.u pump & lines circ, hole clean w/ eot @ 5172' using heated wtr continued p.u tbg to tag kill plug set 6590' p.u power swivel drilled plug free continued p.u & cleaning out well to 7686' please note very heavy torque was seen in tbg from 7140' down tbg would not turn if tbg was not moving up or down!!!! circ, hole clean pooh w/ eot @ 6500' note top perms in well 6616' have two plugs left to drill out	8:00 AM	bled off well circ, hole w/ heated wtr.
	10:15 AM	continued tallying & p.u tbg to tag kill plug set 6590'
	11:15 AM	miru power swivel
	5:00 PM	drilled out frac plugs & p.u tbg senn very heavy troque in tbg from 7140' down tbg would not turn if not moving up or down would stall power swivel out set at 1850 psi!!!
	6:00 PM	circ, hole clean
	7:00 PM	pooh w/ 38 jts tbg drained equipment shut well in for night
	7:00 AM	well shut in for night

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/20/2008

Report # : 11

AFE # : 14417D

Summary : 7:am siwp 150 psi bled off well p.u 4 3/4" bit on pobs tallyed & p.u 11- jts could not get bit in well do to heavy black oil pooh w/ bit rih w/ 40 jts open ended eot @1246' please not had to push 15 jts in well to get in r.u pump & lines circ, well w/ heated 2% kcl wtr had to pressre tbg to @ 2800 psi to push oil from tbg & csg circ, hole clean pooh p.u bit rih w/ 40 jts w/ no problems continued p.u 167 jts total tbg eot @ 5172' swifn

End Time

Description

10:00 AM

tallyed & p.u 4 3/4" bit & pobs w/ 11 jts could not get down pooh w/ tbg laid down bit rih w/ 40 jts open ended

12:00 PM

r.u pump & lines circ, oil from well

12:30 PM

pooh p.u 4 3/4" bit rih w/ 40 jts

6:00 PM

continued p.u 2 7/8" tbg

7:00 AM

wells hut in fo night

Well Name : #7-21-46 DLB

Phase/Area

Brundage Canyon/Lake (

:

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/19/2008

Report # : 10

AFE # : 14417D

Summary : 6:am well open to flow back tanks well flowing on 48/64" choke fwp 30 psi Stone Well Service rig was miru Bunning Tbg trailers where moved in & spotted pump lines where laid & 30 bbls heated 2% kcl wtr was pumped down well before pressureing up to 500 psi pressure would not drop off well was open to flow back tanks & it was found that IPS flow equipment was plugged off with hard oil well continued flowing. a kill plug was called waited for wire line as well flowed to tanks recovered 355 bbls fluid total have @ 4313.7 bbls frac fluid left to recover shut well in set composites B/P @ 6590' shut in well pressure @ 150 psi at time plug was set. bled well off rdmo wire line n.d frac valve n.u bops prepped for tbg.

End Time

Description

10:30 AM

flowed well to flow back tanks Stone rig was moved in & pump lines laid

11:00 AM

pumped 30 bbls heated 2% kcl wtr to kill well pressured to 500 psi bled off pressure & found that IPS equipment was half plugged w/ hard oil

2:00 PM

flowed well to flow back tanks waiting for Perf O log to set kill plug.

3:00 PM

well shut in waiting for wire line top set kill plug

4:45 PM

set kill plug @ 6590' rdmo wire line

6:00 PM

n.d frac valve n.u bops prepped for tbg

7:00 AM

well shut in for night.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

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

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator  
Bill Barrett Corporation

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1795' FSL x 1718' FEL  
NW/4, SE/4, Section 21, T4S, R6W

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

8. Well Name and No.  
# 7-21-46 DLB

9. API Well No.  
43-013-33567

10. Field and Pool or Exploratory Area  
Altamont

11. Country or Parish, State  
Duchesne County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>First Sales</u>	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

PLEASE BE ADVISED THIS WELL HAD FIRST SALES ON FEBRUARY 28, 2008.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature

*Reed Haddock*

Date 03/03/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

**RECEIVED**

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**MAR 06 2008**

(Instructions on page 2)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

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

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No.  
# 7-21-46 DLB

2. Name of Operator  
Bill Barrett Corporation

9. API Well No.  
43-013-33567

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 Area  
Altamont

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1795' FSL x 1718' FEL  
NW/4, SE/4, Section 21, T4S, R6W

11. Country or Parish, State  
Duchesne County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Completion</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Activity</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity from 2/25/08 - 3/3/2008. Final completion activity report.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Reed Haddock

Title Permit Analyst

Signature



Date 03/03/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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(Instructions on page 2)

**RECEIVED**

**MAR 06 2008**

**DIV. OF OIL, GAS & MINING**

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 3/3/2008 Report # : 20

AFE # : 14417D

Summary : Cost Adjustment report

End Time

Description

RIN tanks cleaned & wtr in & out + pipe dope

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/29/2008 Report # : 19

AFE # : 14417D

Summary : released Stone Well Service & IPS flow equipment moved frac tanks off location fore production personal to r.u flair stack

End Time

Description

10:00 AM

released & moved out Stone Well service racked out IPS equipment.

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake ( :

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/28/2008 Report # : 18

AFE # : 14417D

Summary : 7;am r.d Stone Well Service Rig waited for roustabout crew to slid unit & set rods to made sure well was spaced out properly (new unit) waited for electrition to put power to unit stroked unit worked well. could not move do to deep mud on roads will move equipment in am. turned well over to production.

End Time

Description

9:00 AM

r.d rig prepped to move

1:00 PM

helped slid unit & set rods made sure rods where space up right.

6:00 AM

turned well over to production

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake (

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/27/2008

Report # : 17

AFE # : 14417D

Summary	End Time	Description
7; am sitp 0 psi sicp 250 psi flushed tbg using 50 bbls heated 2% kcl wtr prpped rods p.u Weatherford pump # 2259 = 2 1/2" x 1 1/2" x 30' 33'x36' RHAC pump p.u & rih w/ rods as shown below spaced out rod string filled tbg using 5 bbls wtr tested to 1000 psi stroke tested pump to 1000 psi tested good bled off pressure swifn.	10:00 AM	flushed tbg prepped rods for picking up
	5:30 PM	p.u Weatherford pump & string of rods spaced out rod string
	6:00 PM	filled & tested tbg & pump tested good
	7:00 AM	well shut in for night.

## ROD STRING

POLISH ROD 1 1/2" X 36'  
 ROD SUBS 1" - 2'-4'-8'  
 16 - 1" SLICK  
 44 - 1" W/ GUIDE  
 105 - 7/8" W/ GUIDE  
 95 - 3/4" W/ GUIDE  
 12 - 1 1/2" K BARS  
 Weatherford pump

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake (

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/26/2008

Report # : 16

AFE # : 14417D

Summary	End Time	Description
7;am sitp 0 psi sicp 350 psi bled off well pressure flushed tbg w/ 40 bbls heated 2% kcl wtr prepped for rods. Please note there where two accidents today trying to get rods to location road grade slid off road & truck hauling rods slid off road & rods where dumped on ground crew could not leave location and was billed for 6 hours for rig today new string of rods where dilivered to night for p.u in morning. well was left shut in.	9:00 AM	prepped for rods flushed tbg w/ 40 bbls 2% kcl wtr waited for rod string
	3:00 PM	rig standby crew could not leave location because of accedent w/ truck hauling rods had road blocked
	6:00 AM	well shut in for night.

# REGULATORY COMPLETION SUMMARY

Wellcore

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake (

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/24/2008

Report # : 15

AFE # : 14417D

Summary	End Time	Description
6:am ftp 15 psi sicp 380 psi bled off well miru D&M hot oil pumped 130 bbls heated 10# brian wtr down tbg to kill well n.d well head tree n.u bops pooh & tallied tbg p.u BHA rih w/ rod production tbg as shown below n.d bops set tac @ 6588' w/ 20,000 # tension seat nipple set @ 6709' landed tbg on hanger n.u flow tee swifn.	7:30 AM	miru D&M hot oil pumped 130 bbls 10# brian wtr to kill well
	9:30 AM	n.d well head tree n.u bops prepped for tbg.
	4:00 PM	pooh & tallied tbg p.u Rod production bha rih
	6:00 PM	n.d bops set tac @ 6587' w/ 20,000# tension landed tbg on hanger swifn
	6:00 AM	well shut in for weekend.

## ROD PRODUCTION TBG

K.B	19.00
TBG STRETCH	2.50
TBG HANGER	.70
213- JTS 2 7/8" L-80	6581.78
5 1/2" TAC	2.74
4 JTS 2 7/8" L-80	121.55
SEAT NIPPLE	1.10
2- JTS 2 7/8" L-80	62.35
PBGA	27.79
3-JTS 2 7/8" L-80	92.46
2 7/8" BULL PLUG	.73

Well Name : #7-21-46 DLB

Phase/Area Brundage Canyon/Lake (

Bottom Hole Display	API #/License
SWNE-21-4S-6W-W30M	43-013-33567

Ops Date : 2/23/2008

Report # : 14

AFE # : 14417D

Summary	End Time	Description
6:am well open to flow back tanks ftp @ 20 psi on full open line sicp 300 psi continued flowing well until 7:30 am open csg to flow back tanks well flowing oil miru D&M hot oil to tbg tryed to kill well it was found that IPS lines where plugged w/ hard oil took 2 1/2 hours to pump lines free pumped 40 bbls heated 2% kcl wtr down tbg well started to flow turned well back to IPS to continue testing well to flow back tanks.	8:00 AM	well open to flow back tanks well not flowing much.rig line was r.u to csg well started to flow heavy oil up csg.
	9:00 AM	pumped 40 bbls heated wtr down tbg
	11:30 AM	warmed & pumped out IPS surface lines plugged w/ hard oil
	12:00 PM	pumped 40 bbls heated 2% kcl down tbg to kill well would not die
	6:00 AM	turned well back to IPS to recover frac load.

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.  
BIA-14-20-H62-5500

la. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe  
7. Unit or CA Agreement Name and No.  
N/A

2. Name of Operator  
Bill Barrett Corporation

8. Lease Name and Well No.  
# 7-21-46 DLB

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

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

9. AFI Well No.  
43-013-33567

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

1795' FSL x 1718' FEL  
At surface NW/4, SE/4, Sec. 21, T4S, R6W

2442' FNL x 1974' FEL, SW/4, NE/4, Sec. 21, T4S, R6W

At top prod. interval reported below

At total depth 2435' FNL x 2032' FEL, SW/4, NE/4, Sec. 21, T4S, R6W

per DKD review

10. Field and Pool or Exploratory  
Altamont

11. Sec., T., R., M., on Block and  
Survey or Area Sec. 21, T4S, R6W

12. County or Parish  
Duchesne County

13. State  
UT

14. Date Spudded  
12/02/2007

15. Date T.D. Reached  
12/21/2007

16. Date Completed 02/16/2008  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
7107' GL

18. Total Depth: MD 8,531'  
TVD 8,414'

19. Plug Back T.D.: MD 8,412'  
TVD 8,295'

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Baker Hughes HRI/CNL/GR, Borehole Profile/GR

Caliper, GR  
Compz, CD, CN, HDI, MDI

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

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
20"	16" Conduct.	1/4" wall	Surface	40'		Grout Cmt.		0'	
12 1/4"	9 5/8 - J-55	36 lbs.	Surface	950'		400sxs - Lt. Pre	110 bbls.	0'	
7 7/8"	5 1/2" P110	17 lbs.	Surface	8503'		1530 sxs- 50/50 Poz	406 bbls.		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	6752'							

25. Producing Intervals

Formation	Top	Bottom	26. Perforation Record		Perforated Interval	Size	No. Holes	Perf. Status
			Perforated Interval	Size				
A) North Horn	8155'	8245'	8,155' - 8,245'	0.38"		18	Open	
B) Wasatch	6616'	7984'	7,906' - 7,984'	0.38"		27	Open	
C)			7,709' - 7,741'	0.38"		12	Open	
D)			7,394' - 7,519'	0.38"		42	Open	

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

Depth Interval	Amount and Type of Material
8,155' - 8,245'	1000 gals. of 15% HCL, 105,171 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,906' - 7,984'	
7,709' - 7,741'	1000 gals. of 15% HCL, 40,139 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,394' - 7,519'	

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
2/28/08	3/16/08	24	→	23.3	31	77	42	N/A	Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
58/64	250	150	→	23.3	31	77	N/A	Producing	

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	
			→						

\*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

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

28c. Production - Interval D

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

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

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
				TGR3	3731'
				Douglas Creek Black Shale Marker	4653' 5381'
				Castle Peak	5814'
				Ute Land Butte	5917'
				Wasatch	6127'
				North Horn	8149'
				TD	8531'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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

Name (please print) Reed Haddock      Title Permit Analyst  
 Signature Reed Haddock      Date 03/28/2008

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.

<b>26. PERFORATION RECORD (cont.)</b>				
<b>INTERVAL (Top/Bot-MD)</b>		<b>SIZE</b>	<b>NO. HOLES</b>	<b>PERFORATION STATUS</b>
7,223'	7,295'	0.38"	18	Open
7,066'	7,130'	0.38"	15	Open
6,802'	6,974'	0.38"	30	Open
6,616'	6,721'	0.38"	27	Open

<b>27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>	
<b>DEPTH INTERVAL</b>	<b>AMOUNT AND TYPE OF MATERIAL</b>
7,223' – 7,295'	1000 gals. of 15% HCL, 81,383 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,066' – 7,130'	1000 gals. of 15% HCL, 79,913 lbs. 20 - 40 sand, 5000 100 mesh sand.
6,802' – 6,974'	1000 gals. of 15% HCL, 136,743 lbs. 20 - 40 sand, 5000 100 mesh sand.
6,616' – 6,721'	1000 gals. of 15% HCL, 131,911 lbs. 20 - 40 sand, 5000 100 mesh sand.

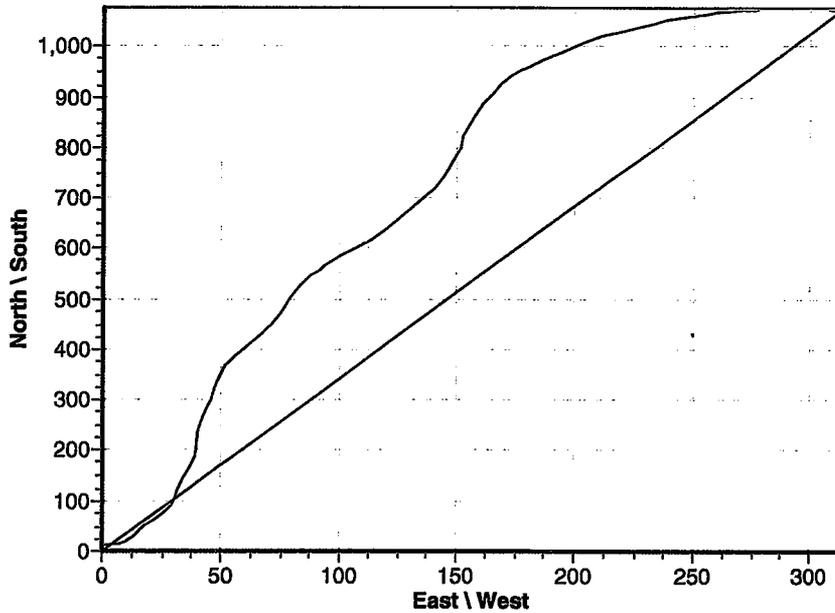
# Directional Plots

Wellcore

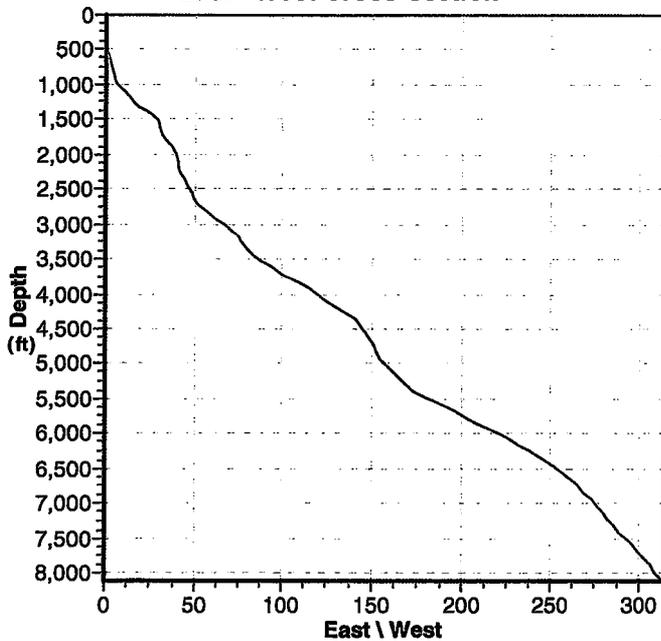
## Location Information

Business Unit :	Well :	API #/License :
Operations	#7-21-46 DLB	43-013-33567
Project :	Surface Location :	
Uinta	NWSE-21-4S-6W-W30M	
Phase/Area :	Bottom Hole Location :	
Brundage Canyon/Lake Canyon	SWNE-21-4S-6W-W30M	

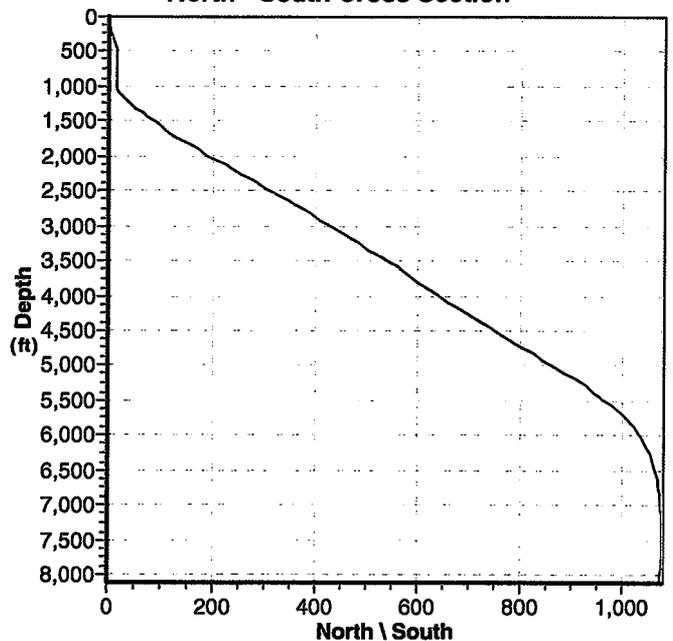
Top View



East - West Cross Section



North - South Cross Section



# Directional Surveys

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Brundage Canyon/Lake Canyon	NWSE-21-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-21-46 DLB	

Bottom Hole Information		Survey Section Details					
UWI	API #	Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
SWNE-21-4S-6W-W30M	43-013-33567	Surface					

Survey Information		
Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
Weatherford	347.60	12.00

Details											
Corrected											
Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	EW	Vertical Section (ft)	Dog Leg
				0.00	21.00	0.00	N	0.00	E	0.00	0.00
	195.00	2.75		194.89	-173.89	4.68	N	0.00	E	4.57	1.41
	470.00	1.00		469.71	-448.71	13.67	N	0.00	E	13.36	0.64
	969.00	1.44	245.37	968.59	-947.59	15.42	N	5.70	W	16.28	0.41
	1031.00	2.19	307.07	1030.56	-1009.56	15.81	N	7.35	W	17.02	3.18
	1094.00	5.69	329.12	1093.38	-1072.38	19.21	N	9.92	W	20.89	5.95
	1126.00	8.00	345.37	1125.15	-1104.15	22.73	N	11.29	W	24.62	9.35
	1157.00	8.75	347.63	1155.82	-1134.82	27.12	N	12.34	W	29.14	2.64
	1189.00	8.19	347.87	1187.47	-1166.47	31.72	N	13.34	W	33.85	1.75
	1252.00	9.06	346.99	1249.75	-1228.75	40.94	N	15.40	W	43.30	1.40
	1315.00	9.81	342.62	1311.90	-1290.90	50.90	N	18.12	W	53.60	1.65
	1387.00	11.38	340.99	1382.66	-1361.66	63.47	N	22.27	W	66.77	2.22
	1441.00	11.50	346.12	1435.59	-1414.59	73.73	N	25.30	W	77.44	1.90
	1536.00	10.00	352.87	1528.92	-1507.92	91.11	N	28.59	W	95.12	2.06
	1631.00	9.38	355.37	1622.56	-1601.56	107.01	N	30.24	W	111.01	0.79
	1726.00	12.00	355.12	1715.89	-1694.89	124.57	N	31.70	W	128.47	2.76
	1821.00	14.17	353.74	1808.40	-1787.40	145.96	N	33.81	W	149.82	2.31
	1915.00	12.88	351.87	1899.79	-1878.79	167.77	N	36.55	W	171.71	1.45
	2010.00	13.25	356.37	1992.33	-1971.33	189.12	N	38.74	W	193.03	1.14
	2157.00	14.50	359.62	2135.03	-2114.03	224.34	N	39.92	W	227.68	1.00
	2200.00	12.56	358.24	2176.83	-2155.83	234.39	N	40.10	W	237.54	4.57
	2295.00	13.25	355.12	2269.43	-2248.43	255.56	N	41.35	W	258.48	1.03
	2390.00	15.00	354.24	2361.55	-2340.55	278.64	N	43.51	W	281.49	1.86
	2484.00	13.25	353.99	2452.70	-2431.70	301.46	N	45.86	W	304.27	1.86
	2580.00	14.31	356.74	2545.93	-2524.93	324.25	N	47.68	W	326.92	1.30
	2673.00	12.06	355.49	2636.46	-2615.46	345.41	N	49.10	W	347.89	2.44
	2767.00	14.81	350.49	2727.86	-2706.86	367.04	N	51.86	W	369.62	3.17
	2862.00	12.00	349.49	2820.25	-2799.25	388.73	N	55.66	W	391.61	2.97
	2957.00	13.69	340.62	2912.86	-2891.86	409.04	N	61.20	W	412.64	2.73
	3052.00	13.44	349.74	3005.21	-2984.21	430.51	N	66.89	W	434.83	2.26
	3147.00	12.50	347.74	3097.78	-3076.78	451.42	N	71.04	W	456.15	1.10
	3242.00	11.19	351.24	3190.75	-3169.75	470.58	N	74.63	W	475.63	1.57
	3305.00	11.44	352.49	3252.53	-3231.53	482.82	N	76.38	W	487.95	0.56
	3400.00	14.06	351.87	3345.16	-3324.16	503.58	N	79.24	W	508.85	2.76
	3495.00	13.00	349.37	3437.52	-3416.52	525.50	N	82.84	W	531.03	1.27
	3590.00	12.75	344.87	3530.13	-3509.13	546.13	N	87.55	W	552.19	1.09
	3654.00	12.63	342.87	3592.57	-3571.57	559.63	N	91.45	W	566.21	0.71
	3686.00	12.25	341.99	3623.82	-3602.82	566.20	N	93.53	W	573.08	1.33
	3779.00	11.31	338.87	3714.86	-3693.86	584.09	N	99.87	W	591.91	1.22
	3873.00	10.56	333.49	3807.15	-3786.15	600.40	N	107.04	W	609.38	1.35
	3968.00	12.88	344.49	3900.15	-3879.15	618.39	N	113.76	W	628.39	3.38
	4063.00	12.19	344.74	3992.88	-3971.88	638.27	N	119.23	W	648.98	0.73
	4158.00	12.44	346.24	4085.69	-4064.69	657.88	N	124.30	W	669.23	0.43
	4254.00	13.69	344.74	4179.20	-4158.20	678.89	N	129.75	W	690.91	1.35
	4349.00	12.56	342.74	4271.72	-4250.72	699.60	N	135.77	W	712.43	1.28
	4444.00	12.31	349.24	4364.49	-4343.49	719.41	N	140.73	W	732.85	1.50

# Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Brundage Canyon/Lake Canyon	NWSE-21-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-21-46 DLB	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	4539.00	13.19	353.87	4457.14	-4436.14	740.13	N	143.78	W	753.74	1.42
	4634.00	12.44	351.37	4549.78	-4528.78	761.03	N	146.47	W	774.73	0.98
	4727.00	11.94	350.99	4640.68	-4619.68	780.43	N	149.48	W	794.33	0.54
	4822.00	14.06	357.87	4733.23	-4712.23	801.67	N	151.45	W	815.49	2.76
	4917.00	12.63	355.12	4825.65	-4804.65	823.55	N	152.76	W	837.14	1.65
	5012.00	12.06	352.62	4918.46	-4897.46	843.74	N	154.92	W	857.32	0.82
	5106.00	13.13	353.37	5010.19	-4989.19	864.08	N	157.41	W	877.73	1.15
	5199.00	14.19	348.99	5100.56	-5079.56	885.77	N	160.81	W	899.63	1.59
	5292.00	12.38	348.74	5191.06	-5170.06	906.73	N	164.93	W	921.00	1.95
	5387.00	10.31	349.74	5284.18	-5263.18	925.09	N	168.44	W	939.67	2.19
	5482.00	10.69	341.12	5377.59	-5356.59	941.79	N	172.80	W	956.92	1.70
	5546.00	11.94	338.87	5440.35	-5419.35	953.58	N	177.11	W	969.37	2.07
	5577.00	11.13	337.87	5470.72	-5449.72	959.34	N	179.39	W	975.48	2.69
	5672.00	10.25	332.62	5564.07	-5543.07	975.34	N	186.73	W	992.69	1.38
	5798.00	10.31	334.37	5688.04	-5667.04	995.46	N	196.77	W	1014.49	0.25
	5892.00	9.06	331.49	5780.70	-5759.70	1009.55	N	203.94	W	1029.79	1.43
	5984.00	8.13	325.74	5871.66	-5850.66	1021.29	N	211.06	W	1042.79	1.38
	6079.00	6.69	318.99	5965.86	-5944.86	1031.02	N	218.47	W	1053.88	1.77
	6173.00	6.19	318.24	6059.27	-6038.27	1038.93	N	225.44	W	1063.10	0.54
	6268.00	5.56	314.99	6153.77	-6132.77	1046.00	N	232.10	W	1071.44	0.75
	6364.00	5.06	311.74	6249.36	-6228.36	1052.11	N	238.55	W	1078.79	0.61
	6554.00	4.13	305.62	6438.74	-6417.74	1061.67	N	250.37	W	1090.67	0.55
	6648.00	3.69	300.12	6532.52	-6511.52	1065.16	N	255.73	W	1095.23	0.61
	6743.00	2.81	303.87	6627.36	-6606.36	1068.00	N	260.31	W	1098.98	0.95
	6837.00	2.56	299.12	6721.26	-6700.26	1070.30	N	264.06	W	1102.04	0.36
	6964.00	2.56	289.74	6848.13	-6827.13	1072.64	N	269.21	W	1105.43	0.33
	7060.00	2.31	286.24	6944.05	-6923.05	1073.90	N	273.08	W	1107.49	0.30
	7155.00	1.88	284.49	7038.98	-7017.98	1074.83	N	276.43	W	1109.12	0.46
	7250.00	2.00	283.74	7133.93	-7112.93	1075.61	N	279.55	W	1110.55	0.13
	7344.00	2.06	283.12	7227.87	-7206.87	1076.39	N	282.79	W	1112.00	0.07
	7439.00	1.94	271.37	7322.81	-7301.81	1076.81	N	286.06	W	1113.12	0.45
	7534.00	2.19	269.49	7417.75	-7396.75	1076.83	N	289.48	W	1113.88	0.27
	7628.00	2.13	264.87	7511.68	-7490.68	1076.66	N	293.01	W	1114.47	0.20
	7723.00	2.00	268.99	7606.62	-7585.62	1076.48	N	296.43	W	1115.02	0.21
	7818.00	2.19	262.49	7701.56	-7680.56	1076.21	N	299.89	W	1115.50	0.32
	7913.00	1.94	258.49	7796.49	-7775.49	1075.65	N	303.26	W	1115.68	0.30
	8008.00	2.00	257.24	7891.44	-7870.44	1074.96	N	306.46	W	1115.69	0.08
	8103.00	1.94	250.74	7986.38	-7965.38	1074.07	N	309.59	W	1115.49	0.24
	8229.00	2.06	243.12	8112.31	-8091.31	1072.34	N	313.62	W	1114.67	0.23

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: BIA-14-20-H62-5500
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 Indian Tribe
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: N/A
2. NAME OF OPERATOR: Bill Barrett Corporation		8. WELL NAME and NUMBER: # 7-21-46 DLB
3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4301333567
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795' FSL x 1718' FEL COUNTY: Duchesne QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 21 T4S R6W STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Altamont

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

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

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

Bill Barrett Corporation (BBC) is requesting for "Wildcat" status for # 7-21-46 DLB well. Please find a map showing a one-mile radius around the location, the completion report, and a cross section showing the perms of the # 7-21-46 DLB. The known producing formations for this well are the North Horn (8155' - 8245') and the Wasatch (6616' - 7984'). The # 7-21-46 DLB well was drilled when there was no production from a comparable depth within a 1 mile radius; the # 7-28-46 DLB had been drilled but not completed, thus no production existed. There is no known geologic structure and BBC has no pressure information available.

Also, attached find a Memorandum dated April 28, 2008 concerning (Re: Tax exemption under Section 59-5-102(2)(d)); the history of the "Blacktail Ridge Area Spacing Orders" from 1971 to present; and a CD disc outlining the well history of BBC current drilled wells in the Blacktail Ridge area. This disc contains complete drilling and completion chronology of the # 7-21-46 DLB. The spacing orders do not address Section 21 of T4S, R6W.

**COPY SENT TO OPERATOR**  
Date: 6-12-2008  
Initials: KS

**RECEIVED**  
MAY 02 2008  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Reed Haddock</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u>Reed Haddock</u>	DATE <u>4/30/2008</u>

(This space for State use only)

**REQUEST DENIED**  
Utah Division of  
Oil, Gas and Mining

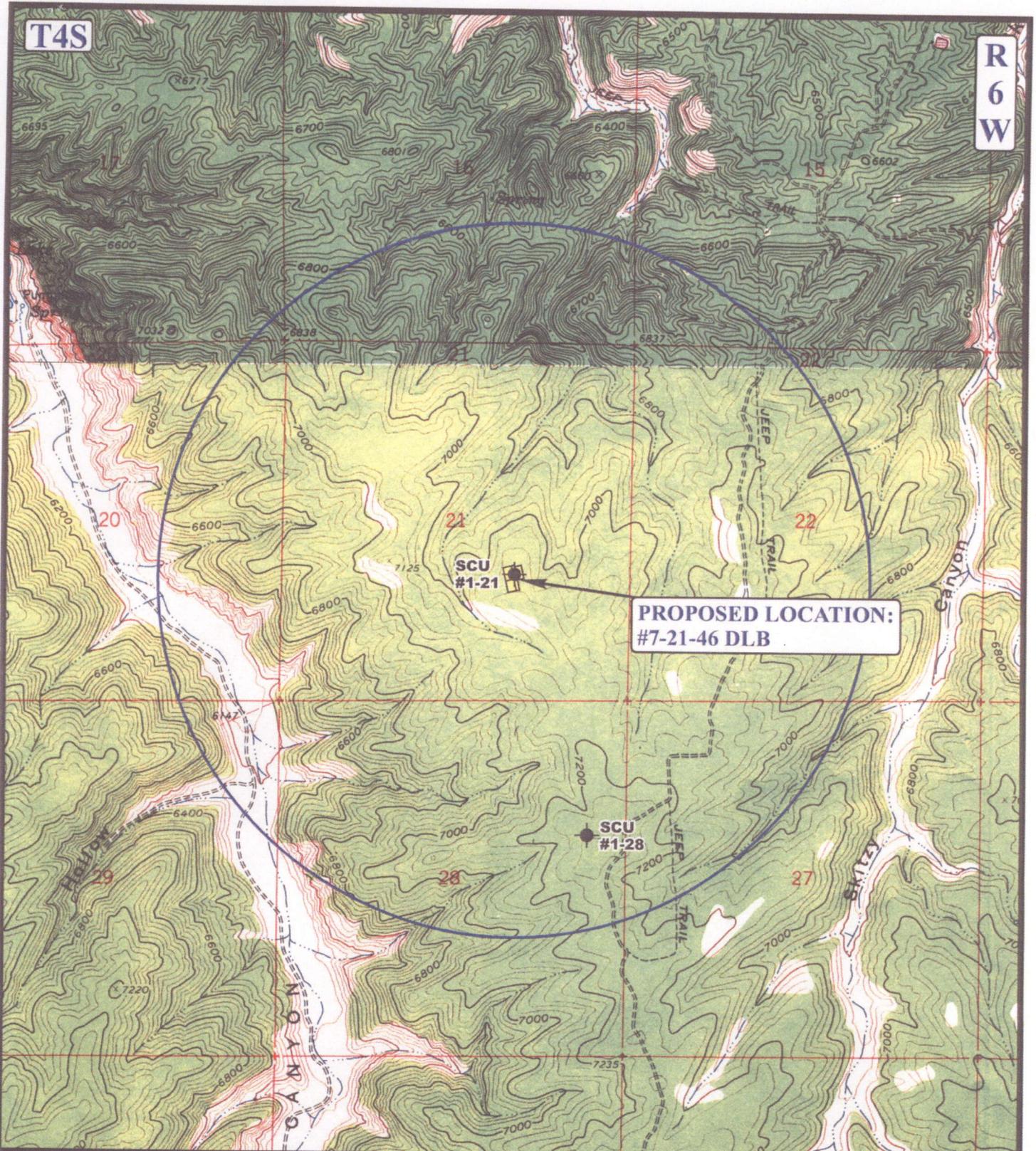
cc: taxCommission

Date: 6/11/08  
By: D. Haddock  
\* see attached Statement of Basis

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

T4S

R6W



**PROPOSED LOCATION:  
#7-21-46 DLB**

SCU #1:21

SCU #1:28

**LEGEND:**

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

**BILL BARRETT CORPORATION**

#7-21-46 DLB  
SECTION 21, T4S, R6W, U.S.B.&M.  
1795' FSL 1718' FEL



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

<b>TOPOGRAPHIC MAP</b>	<b>02</b> MONTH	<b>06</b> DAY	<b>07</b> YEAR	<b>C</b> TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.		REVISED: 00-00-00	

## Memorandum

To: Utah Division of Oil, Gas and Mining

From: Bill Barrett Corporation  
Kurt Reinecke, SVP Exploration  
[kreinecke@billbarrettcorp.com](mailto:kreinecke@billbarrettcorp.com)  
303-312-8113

Re: Tax exemption under Section 59-5-102(2)(d)

Date: April 28, 2008

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In order to assist in the determination of well classifications for six recently drilled oil wells west of Duchesne, Utah, Bill Barrett Corporation offers the following information.

The overall context for 5 of these 6 wells is that they were drilled as part of a continuous drilling program to determine if results from historically poor, and sub-commercial, producing wells truly did defined the edge of Cedar Rim field. Additionally, since these wells were drilled as part of a continuous program, Bill Barrett Corporation was unable to evaluate the completion results on some of its wells prior to drilling the successive location, thereby further increasing the commercial risk. Results from these 6 high risk wells has encouraged us that we can indeed extend this field beyond its present limits, however we have paid the price for this exploration work via several apparently non-commercial wells.

1. **7-7-46 BTR**

- a. Classification: Wildcat
- b. Location (2323 FSL x 2465 FEL sec. 7 T4S, R6W) – This well was spud on 7/14/2007. When drilled, no other well was located within 1 mile of its bottom hole location (2141 FNL x 2043 FEL), see attached forms, cross section and associated map. The 7-7-46 BTR is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones. This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

2. **12-36-36 BTR**

- a. Classification: Development [no forms submitted]
- b. Location (1837 FSL x 704 FWL sec. 36 T3S R6W) – This well was spud 10/8/2007, and is considered development because current production exists within 1 mile of the location (see attached map on cross section). However because the well was a step out away from known production, and also drilled to test deeper potential horizons, it is considered a high risk development well.

**3. 7-28-46 DLB**

- a. Classification: Wildcat
- b. Location (2028 FNL x 543 FEL sec. 28 T4S R6W) – This well was spud on 11/12/2007. When drilled, no other producing well was located within 1 mile of its bottom hole location (1963 FNL x 1786 FEL), see attached forms and Exhibit A. Four wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-28-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**4. 7-21-46 DLB**

- a. Classification: Wildcat
- b. Location (1795 FSL x 1718 FEL sec. 21 T4S R6W) – This well was spud 12/2/2007 directly after the 7-28-46 BTR, only the typical non-descript openhole logs were available, no completion work had yet been performed on 7-28-46 DLB. Two historical wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-21-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**5. 5-5-46 BTR**

- a. Classification: Wildcat
- b. Location (1718 FNL x 640 FWL sec. 5 T4S R6W) – This well was spud 12/7/2007. When this well was drilled two wells had been drilled within the 1 mile radius. Both these wells, drilled in 1985 and 1996, yielded sub-commercial quantities of production supporting the conclusion that these wells helped defined the southwestern edge of Cedar Rim field. The 5-5-46 BTR was a high risk well that challenged the field edge concept and was completed in a similar Green River – Wasatch interval as the two historical wells, but used hydraulic fracturing to stimulate the wellbore. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

6. **7-20-46 DLB**

- a. Classification: Wildcat
- b. Location (2250 FNL x 2500 FWL sec 20 T4S R6W) – This well was spud on 12/28/2007. When this well was drilled 1 historical well existed within 1 mile. This well, drilled in 1979, produced sub-commercial amounts of oil and gas. The newly drilled 7-21-46 DLB also existed within the 1 mile radius but this well had not been completed at the time drilling commenced on the 7-20-46 DLB. The 7-20-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

Explanation of Cross Section

- This display shows both newly drilled wells by BBC, as well as historical wells. Note how BBC well are generally drilled deeper than historical wells.
- Gamma ray and resistivity curves are presented.
- Log headers show well name and surface locations.
- Formation correlations used by Bill Barrett Corporation are indicated.
- Red markings to the left of the depth column on each well indicate where the well is completed.
- If production existed then the cumulative amount in BOE is shown along with the decline curve graph below the logs.
- The current operator is also shown below the logs.

The map in the lower right hand corner shows the general north to south cross section line.

- One mile radius circles, centered on the bottom hole location, are shown for each well that Bill Barrett Corporation has drilled.
- Posted at the well symbol is the well number on top and the cumulative production in MMBOE below the well symbol.
- The color highlight at each symbol shows a color representation of the wells cumulative MMBOE.



## BLACKTAIL RIDGE AREA SPACING ORDERS

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Date: April 28, 2008

To: Doug Gundry-White

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### I. Second Amended Spacing Order – April 23, 2008 Hearing

<u>Cause</u>	<u>Summary of Order – Spacing Rules</u>
139-83	Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.
Lands	<u>Township 3 South, Range 5 West, USM</u> Sections 1 to 36
	<u>Township 4 South, Range 5 West, USM</u> Sections 1 to 6
	<u>Township 3 South, Range 6 West, USM</u> Sections 1 to 12
	<u>Township 3 South, Range 7 West, USM</u> Sections 1 to 12, 14 to 23, 26 to 29, and 32 to 35

### II. Spacing Rules Previously in Effect in Blacktail Ridge Area Lower Green River to Base of the Wasatch (640 acre units)

<u>Cause</u>	<u>Summary of Order – Spacing Rules</u>
139-77	Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.
139-42	Two wells allowed in each section, located at least 1,320' from any existing well and 660" from unit boundary (section line).
139-8	Wells to be located in the center of the NE $\frac{1}{4}$ with tolerance of 660' in any direction (also applies to #139-17 lands).
140-6	Wells to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ with a tolerance of 660' in any direction.

**Statewide Rules** Wells to be located in center of 40 acre qtr-qtr, with tolerance of 200' in any direction (Utah Administrative Rule R649-3-2)

### III. Prior Spacing Orders and Lands

#### 1. BBC Spacing Order #139-77 (June 18, 2007)

All wells shall be drilled 660' from the boundaries of the unit (section) and no closer than 1,320' from a well producing from the same formations without an exception location. No more than 2 wells producing from the Lower Green River - Wasatch formations without Board authorization.

3S	6W	15, 16, 17, 18, 19, 20, 21, 22 and 27, 28, 29, 30, 31, 32, 33, 34	All	Amends #139-8 for Sections 13, 14, 23,24, 25, 26, 35, 36; amends #139-42 for all lands; amends 140-6 for 13, 24, 25, 36
4S	6W	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	Amends #139-17 for Sections 3 to 18; amends #139-42 for all lands
3S	7W	13, 24, 25 and 36	All	Amends #140-15 for 13 and 25; amends #139-42 and 140-6 for all lands

#### 2. Spacing Order 139-42 (April 1, 1985)

Effective 4-12-1985, prior orders in Cause Nos. 139-3; 139-4; 139-5; 139-8; 139-17 (Altamont); 131-11; 131-14; 131-24; 131-27; 131-32; 131-33; 131-34; 131-45; 131-55 (Bluebell); 140-6; and 140-7 (Cedar Rim-Sink Draw) are modified as of 4-12-1985 to allow for Additional Wells to be drilled in each section. The lower Green River/Wasatch formation is a pool as defined in Utah Code Ann. § 40-6-2(9) (1953, as amended).

Two wells may be drilled in each section based on geologic and engineering data to justify the additional well for recovery when economically feasible. Any additional well must be located at least 1,320' from the existing well on the unit and not closer than 660' from the boundary of the unit; and no two wells may be drilled in the same quarter section. All prior orders not consistent with this order are vacated (but existing orders that specify location of the initial wells in each section are not vacated).

3S	5W	1 to 36	All	Not amended by #139-77 To be amended by April 2008 BBC Application for Sections 1 to 36
3S	6W	1 to 36	All	Amended by #139-77 for Sections 13 to 36 To be amended by April 2008 BBC Application for Sections 1 to 12
3S	7W	1 to 36	All	Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

**3. Spacing Order 139-8**

**(September 20, 1972)**

640 acre drilling units established from top of the Lower Green River to base of the Green River-Wasatch formation.

Amends prior Orders entered in Causes 139-3; 139-4; and 139-5.

Spaced interval is now defined as from the top of the Lower Green River formation (TGR3 marker) to the base of the Green River-Wasatch formation (top of Cretaceous) by reference to the stratigraphic equivalent referenced against the Shell - Ute 1-18B5 and Brotherson 1-11B4 wells.

Permitted wells shall be located in the center of the NE $\frac{1}{4}$  of the section comprising the drilling unit, with a tolerance of 660' in any direction, except for exceptions granted without a hearing for topography.

All prior orders not consistent with this order are hereby vacated.

4S	5W	1, 2, 3, 4, 5, 6	All	Amended by BBC Spacing Order #139-77
4S	6W	1 and 2		

**4. Spacing Order 140-6**

**(August 11, 1971)**

Makes permanent the one year spacing order in Cause No. 140-1 (8-19-1970), which set section drilling units for Lower Green River and Wasatch Formations on the lands in Section 3S-6W and 3S-7W (described below), and sets tolerance for each well as 220' from center of the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of each section on 640 acre spacing for Green River and Wasatch.

The Board made findings that there is communication between wells in adjacent sections and that one well will effectively drain the oil in one section.

By Order entered 2-17-1971 in Cause No. 140-4, Order 140-1 was extended and enlarged to include lands in 2S-7W (31 to 35); 2S-8W (31 to 36); 3S-7W (2 to 7 and 18, 19, 30 and 31); and 3S-8W (1 to 36).

The Order is now made permanent that drilling units shall be located in the center of the SW¼NE¼ of each section with a tolerance of 660' in any direction.

3S	6W	7, 8, 9, 10	All	Not Amended by #139-77 To be amended by April 2008 BBC Application for Sections 7, 8, 9 and 10
3S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36		Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

5. **Statewide Rules - Lands not Subject to Spacing Orders**

4S	5W	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	State Location (Siting) Rules.
4S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16		State Location (Siting) Rules.

IV. **Notice Requirements – Spacing Area and Adjacent Lands**

Under Order #139-77, working interest owners and operators of *adjacent* drilling units impacted by modification of the 660' tolerance window (under Order #140-6) were also notified, including Sections 7 to 11 of T3S, R6W and Section 12 of T3S, R7W.

By the same logic, the *adjacent* working interest owners and operators of the lands subject to Order #140-6 (which includes the lands from #140-1 and #140-4) should also be notified, including:

- T3S, R7W      Sections 30 and 31
- T3S, R8W      Sections 1, 12, 13, 24, 25 and 36
- T2S, R7W      Sections 31 to 36
- T2S, R8W      Section 36

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.  
BIA-14-20-H62-5500

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

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

2. Name of Operator  
Bill Barrett Corporation

8. Lease Name and Well No.  
# 7-21-46 DLB

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

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

9. AFI Well No.  
43-013-33567

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

1795' FSL x 1718' FEL  
At surface NW/4, SE/4, Sec. 21, T4S, R6W

2442' FNL x 1974' FEL, SW/4, NE/4, Sec. 21, T4S, R6W

At top prod. interval reported below

At total depth 2435' FNL x 2032' FEL, SW/4, NE/4, Sec. 21, T4S, R6W

10. Field and Pool or Exploratory  
Altamont

11. Sec., T., R., M., on Block and  
Survey or Area Sec. 21, T4S, R6W

12. County or Parish Duchesne County  
13. State UT

14. Date Spudded  
12/02/2007

15. Date T.D. Reached  
12/21/2007

16. Date Completed 02/16/2008  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
7107' GL

18. Total Depth: MD 8,531'  
TVD 8,414'

19. Plug Back T.D.: MD  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Baker Hughes HRI/CNL/GR; Borehole Profile/GR

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16" Conduct.	1/4" wall	Surface	40'		Grout Cmt.		0'	
12 1/4"	9 5/8 - J-55	36 lbs.	Surface	950'		400sxs - Lt. Pre	110 bbls.	0'	
7 7/8"	5 1/2" P110	17 lbs.	Surface	8503'		1530 sxs- 50/50 Poz	406 bbls.		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	6752'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) North Horn	8155'	8245'	8,155' - 8,245'	0.38"	18	Open
B) Wasatch	6616'	7984'	7,906' - 7,984'	0.38"	27	Open
C)			7,709' - 7,741'	0.38"	12	Open
D)			7,394' - 7,519'	0.38"	42	Open

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

Depth Interval	Amount and Type of Material
8,155' - 8,245'	1000 gals. of 15% HCL, 105,171 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,906' - 7,984'	
7,709' - 7,741'	1000 gals. of 15% HCL, 40,139 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,394' - 7,519'	

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
2/28/08	3/16/08	24	→	23.3	31	77	42	N/A	Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
58/64	250	150	→	23.3	31	77	N/A	Producing	

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	
			→						

\*(See instructions and spaces for additional data on page 2)

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 (Solid, used for fuel, vented, etc.)

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
				TGR3	3731'
				Douglas Creek Black Shale Marker	4653' 5381'
				Castle Peak	5614'
				Ute Land Butte	5917'
				Wasatch	6127'
				North Horn	8149'
				TD	8531'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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

Name (please print) Reed Haddock Title Permit Analyst  
 Signature Reed Haddock Date 03/28/2008

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.

<b>26. PERFORATION RECORD (cont.)</b>				
<b>INTERVAL (Top/Bot-MD)</b>		<b>SIZE</b>	<b>NO. HOLES</b>	<b>PERFORATION STATUS</b>
7,223'	7,295'	0.38"	18	Open
7,066'	7,130'	0.38"	15	Open
6,802'	6,974'	0.38"	30	Open
6,616'	6,721'	0.38"	27	Open

<b>27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>	
<b>DEPTH INTERVAL</b>	<b>AMOUNT AND TYPE OF MATERIAL</b>
7,223' - 7,295'	1000 gals. of 15% HCL, 81,383 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,066' - 7,130'	1000 gals. of 15% HCL, 79,913 lbs. 20 - 40 sand, 5000 100 mesh sand.
6,802' - 6,974'	1000 gals. of 15% HCL, 136,743 lbs. 20 - 40 sand, 5000 100 mesh sand.
6,616' - 6,721'	1000 gals. of 15% HCL, 131,911 lbs. 20 - 40 sand, 5000 100 mesh sand.

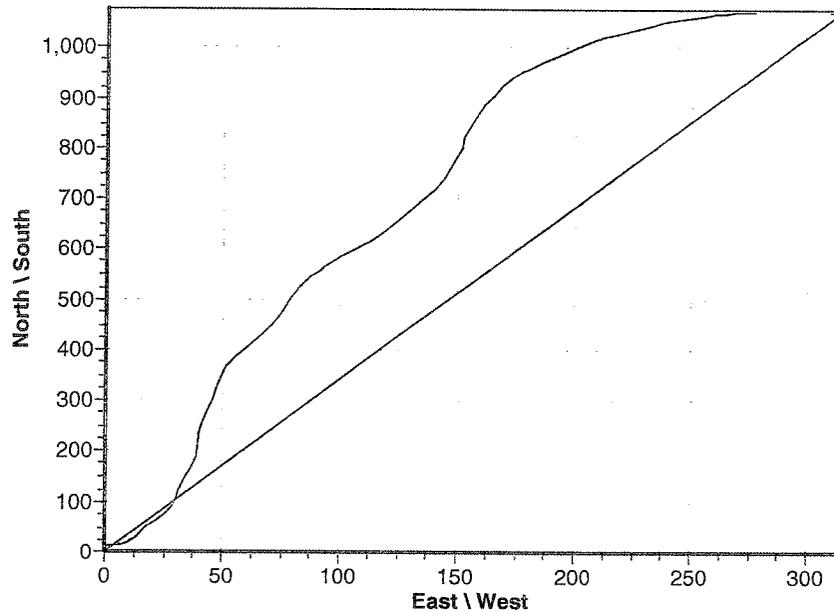
# Directional Plots

Wellcore

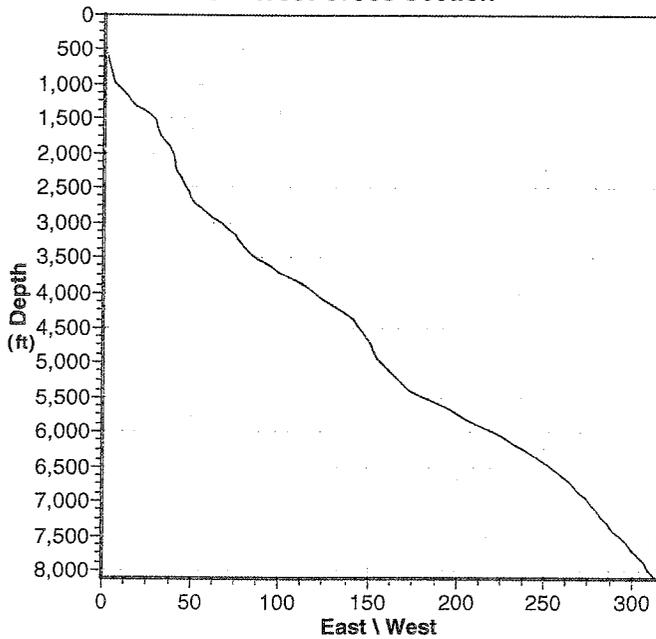
## Location Information

Business Unit :	Well :	API #/License :
Operations :	#7-21-46 DLB	43-013-33567
Project :	Surface Location :	
Uinta :	NWSE-21-4S-6W-W30M	
Phase/Area :	Bottom Hole Location :	
Brundage Canyon/Lake Canyon	SWNE-21-4S-6W-W30M	

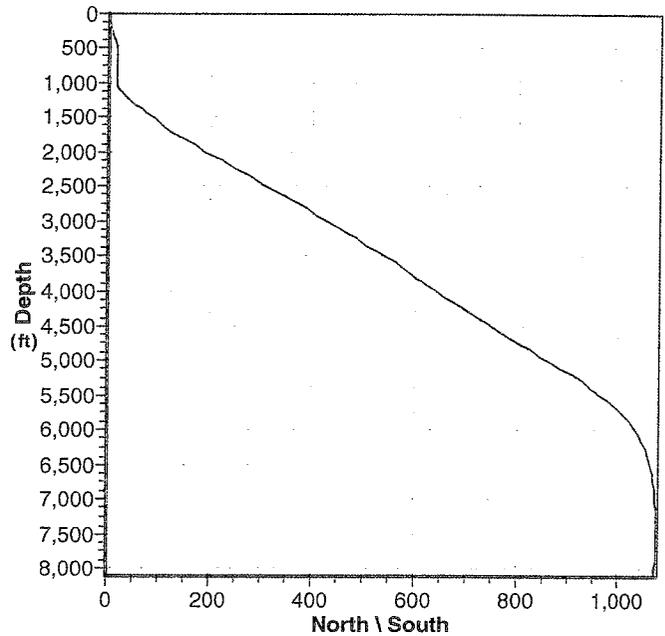
### Top View



### East - West Cross Section



### North - South Cross Section



# Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Brundage Canyon/Lake Canyon	NWSE-21-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-21-46 DLB	

Bottom Hole Information		Survey Section Details					
UWI	API #	Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
SWNE-21-4S-6W-W30M	43-013-33567	Surface					

Survey Information		
Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
Weatherford	347.60	12.00

Details											
Extrap.	Depth MD (ft)	Corrected									
		Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
				0.00	21.00	0.00	N	0.00	E	0.00	0.00
	195.00	2.75		194.89	-173.89	4.68	N	0.00	E	4.57	1.41
	470.00	1.00		469.71	-448.71	13.67	N	0.00	E	13.36	0.64
	969.00	1.44	245.37	968.59	-947.59	15.42	N	5.70	W	16.28	0.41
	1031.00	2.19	307.07	1030.56	-1009.56	15.81	N	7.35	W	17.02	3.18
	1094.00	5.69	329.12	1093.38	-1072.38	19.21	N	9.92	W	20.89	5.95
	1126.00	8.00	345.37	1125.15	-1104.15	22.73	N	11.29	W	24.62	9.35
	1157.00	8.75	347.63	1155.82	-1134.82	27.12	N	12.34	W	29.14	2.64
	1189.00	8.19	347.87	1187.47	-1166.47	31.72	N	13.34	W	33.85	1.75
	1252.00	9.06	346.99	1249.75	-1228.75	40.94	N	15.40	W	43.30	1.40
	1315.00	9.81	342.62	1311.90	-1290.90	50.90	N	18.12	W	53.60	1.65
	1387.00	11.38	340.99	1382.66	-1361.66	63.47	N	22.27	W	66.77	2.22
	1441.00	11.50	346.12	1435.59	-1414.59	73.73	N	25.30	W	77.44	1.90
	1536.00	10.00	352.87	1528.92	-1507.92	91.11	N	28.59	W	95.12	2.06
	1631.00	9.38	355.37	1622.56	-1601.56	107.01	N	30.24	W	111.01	0.79
	1726.00	12.00	355.12	1715.89	-1694.89	124.57	N	31.70	W	128.47	2.76
	1821.00	14.17	353.74	1808.40	-1787.40	145.96	N	33.81	W	149.82	2.31
	1915.00	12.88	351.87	1899.79	-1878.79	167.77	N	36.55	W	171.71	1.45
	2010.00	13.25	356.37	1992.33	-1971.33	189.12	N	38.74	W	193.03	1.14
	2157.00	14.50	359.62	2135.03	-2114.03	224.34	N	39.92	W	227.68	1.00
	2200.00	12.56	358.24	2176.83	-2155.83	234.39	N	40.10	W	237.54	4.57
	2295.00	13.25	355.12	2269.43	-2248.43	255.56	N	41.35	W	258.48	1.03
	2390.00	15.00	354.24	2361.55	-2340.55	278.64	N	43.51	W	281.49	1.86
	2484.00	13.25	353.99	2452.70	-2431.70	301.46	N	45.86	W	304.27	1.86
	2580.00	14.31	356.74	2545.93	-2524.93	324.25	N	47.68	W	326.92	1.30
	2673.00	12.06	355.49	2636.46	-2615.46	345.41	N	49.10	W	347.89	2.44
	2767.00	14.81	350.49	2727.86	-2706.86	367.04	N	51.86	W	369.62	3.17
	2862.00	12.00	349.49	2820.25	-2799.25	388.73	N	55.66	W	391.61	2.97
	2957.00	13.69	340.62	2912.86	-2891.86	409.04	N	61.20	W	412.64	2.73
	3052.00	13.44	349.74	3005.21	-2984.21	430.51	N	66.89	W	434.83	2.26
	3147.00	12.50	347.74	3097.78	-3076.78	451.42	N	71.04	W	456.15	1.10
	3242.00	11.19	351.24	3190.75	-3169.75	470.58	N	74.63	W	475.63	1.57
	3305.00	11.44	352.49	3252.53	-3231.53	482.82	N	76.38	W	487.95	0.56
	3400.00	14.06	351.87	3345.16	-3324.16	503.58	N	79.24	W	508.85	2.76
	3495.00	13.00	349.37	3437.52	-3416.52	525.50	N	82.84	W	531.03	1.27
	3590.00	12.75	344.87	3530.13	-3509.13	546.13	N	87.55	W	552.19	1.09
	3654.00	12.63	342.87	3592.57	-3571.57	559.63	N	91.45	W	566.21	0.71
	3686.00	12.25	341.99	3623.82	-3602.82	566.20	N	93.53	W	573.08	1.33
	3779.00	11.31	338.87	3714.86	-3693.86	584.09	N	99.87	W	591.91	1.22
	3873.00	10.56	333.49	3807.15	-3786.15	600.40	N	107.04	W	609.38	1.35
	3968.00	12.88	344.49	3900.15	-3879.15	618.39	N	113.76	W	628.39	3.38
	4063.00	12.19	344.74	3992.88	-3971.88	638.27	N	119.23	W	648.98	0.73
	4158.00	12.44	346.24	4085.69	-4064.69	657.88	N	124.30	W	669.23	0.43
	4254.00	13.69	344.74	4179.20	-4158.20	678.89	N	129.75	W	690.91	1.35
	4349.00	12.56	342.74	4271.72	-4250.72	699.60	N	135.77	W	712.43	1.28
	4444.00	12.31	349.24	4364.49	-4343.49	719.41	N	140.73	W	732.85	1.50

# Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Brundage Canyon/Lake Canyon	NWSE-21-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-21-46 DLB	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	4539.00	13.19	353.87	4457.14	-4436.14	740.13	N	143.78	W	753.74	1.42
	4634.00	12.44	351.37	4549.78	-4528.78	761.03	N	146.47	W	774.73	0.98
	4727.00	11.94	350.99	4640.68	-4619.68	780.43	N	149.48	W	794.33	0.54
	4822.00	14.06	357.87	4733.23	-4712.23	801.67	N	151.45	W	815.49	2.76
	4917.00	12.63	355.12	4825.65	-4804.65	823.55	N	152.76	W	837.14	1.65
	5012.00	12.06	352.62	4918.46	-4897.46	843.74	N	154.92	W	857.32	0.82
	5106.00	13.13	353.37	5010.19	-4989.19	864.08	N	157.41	W	877.73	1.15
	5199.00	14.19	348.99	5100.56	-5079.56	885.77	N	160.81	W	899.63	1.59
	5292.00	12.38	348.74	5191.06	-5170.06	906.73	N	164.93	W	921.00	1.95
	5387.00	10.31	349.74	5284.18	-5263.18	925.09	N	168.44	W	939.67	2.19
	5482.00	10.69	341.12	5377.59	-5356.59	941.79	N	172.80	W	956.92	1.70
	5546.00	11.94	338.87	5440.35	-5419.35	953.58	N	177.11	W	969.37	2.07
	5577.00	11.13	337.87	5470.72	-5449.72	959.34	N	179.39	W	975.48	2.69
	5672.00	10.25	332.62	5564.07	-5543.07	975.34	N	186.73	W	992.69	1.38
	5798.00	10.31	334.37	5688.04	-5667.04	995.46	N	196.77	W	1014.49	0.25
	5892.00	9.06	331.49	5780.70	-5759.70	1009.55	N	203.94	W	1029.79	1.43
	5984.00	8.13	325.74	5871.66	-5850.66	1021.29	N	211.06	W	1042.79	1.38
	6079.00	6.69	318.99	5965.86	-5944.86	1031.02	N	218.47	W	1053.88	1.77
	6173.00	6.19	318.24	6059.27	-6038.27	1038.93	N	225.44	W	1063.10	0.54
	6268.00	5.56	314.99	6153.77	-6132.77	1046.00	N	232.10	W	1071.44	0.75
	6364.00	5.06	311.74	6249.36	-6228.36	1052.11	N	238.55	W	1078.79	0.61
	6554.00	4.13	305.62	6438.74	-6417.74	1061.67	N	250.37	W	1090.67	0.55
	6648.00	3.69	300.12	6532.52	-6511.52	1065.16	N	255.73	W	1095.23	0.61
	6743.00	2.81	303.87	6627.36	-6606.36	1068.00	N	260.31	W	1098.98	0.95
	6837.00	2.56	299.12	6721.26	-6700.26	1070.30	N	264.06	W	1102.04	0.36
	6964.00	2.56	289.74	6848.13	-6827.13	1072.64	N	269.21	W	1105.43	0.33
	7060.00	2.31	286.24	6944.05	-6923.05	1073.90	N	273.08	W	1107.49	0.30
	7155.00	1.88	284.49	7038.98	-7017.98	1074.83	N	276.43	W	1109.12	0.46
	7250.00	2.00	283.74	7133.93	-7112.93	1075.61	N	279.55	W	1110.55	0.13
	7344.00	2.06	283.12	7227.87	-7206.87	1076.39	N	282.79	W	1112.00	0.07
	7439.00	1.94	271.37	7322.81	-7301.81	1076.81	N	286.06	W	1113.12	0.45
	7534.00	2.19	269.49	7417.75	-7396.75	1076.83	N	289.48	W	1113.88	0.27
	7628.00	2.13	264.87	7511.68	-7490.68	1076.66	N	293.01	W	1114.47	0.20
	7723.00	2.00	268.99	7606.62	-7585.62	1076.48	N	296.43	W	1115.02	0.21
	7818.00	2.19	262.49	7701.56	-7680.56	1076.21	N	299.89	W	1115.50	0.32
	7913.00	1.94	258.49	7796.49	-7775.49	1075.65	N	303.26	W	1115.68	0.30
	8008.00	2.00	257.24	7891.44	-7870.44	1074.96	N	306.46	W	1115.69	0.08
	8103.00	1.94	250.74	7986.38	-7965.38	1074.07	N	309.59	W	1115.49	0.24
	8229.00	2.06	243.12	8112.31	-8091.31	1072.34	N	313.62	W	1114.67	0.23

DIVISION OF OIL, GAS AND MINING  
**Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** Bill Barrett Corporation

**Location:** SWNE Sec. 21 T4S, R6W USM, Duchesne County, Utah

**WELL NAME:** #7-21-46 DLB **API #:** 43-013-33567

**FINDINGS**

1. The subject well produces from the Wasatch formation according to Division records.
2. The subject well was < 1 mile from known production in the Wasatch formation at the time of first commercial production on February 28, 2008. See Attachment A for summary of historical wells within the one (1) mile area of review.
3. The subject well is approximately 1217' from the SKITZY CNY UTE 21 1-21-3A well (API # 43-013-30454) that was tested in the Wasatch formation but did not produce in commercial quantities. The subject well is also approximately 5005' from the 7-28-46 DLB well (API # 43-013-33569) that produces from the Wasatch formation. The latter well was given wildcat status.
4. The well was drilled approximately 2300' south of existing spacing orders (defined pools) in the Lower Green River and Wasatch Formations. At the time the subject well was completed, the #7-28-46 DLB was producing approximately 5005' to the south from the Wasatch formation.

**CONCLUSIONS**

Based on the findings above the Division has determined the #7-21-46 DLB well was drilled into a known producing area for the Wasatch Formation. This well was drilled within 1 mile of a well that produced or was capable of producing in commercial quantities. That well was given Wildcat status. Wells drilled in the surrounding area outside of the 1 mile radius also supports the Green River and Wasatch as being known formations in this area. No information was provided in the application that supported the subject well being drilled into a separate pool.

Therefore, the Division finds that this well does not qualify for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35 and the definition of a wildcat well in R649-1-1. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet  Date: 6/11/2008

CC: Utah State Tax Commission  
ATTN: Ken Petersen

## ATTACHMENT A

### 1 Mile Area Of Review

API	Well Name	Well Status	qtr_qtr	Section	Township	Range	cum_oil	cum_gas	field_type_flag	Dx from Well (ft)	Rotary Spud	Date TD Reached	Date First Produced	Producing Formation
4301333567	7-21-46 DLB	P	SWNE	21	040S	060W	0	0	D	0	12/3/2007	12/21/2007	2/28/2008	Wasatch
4301333568	7-20-46 DLB	P	SWNE	20	040S	060W	0	0	D	5189	2/4/2008	2/24/2008	3/22/2008	Wasatch
4301333569	7-28-46 DLB	P	SENE	28	040S	060W			W	5005	11/12/2007	11/25/2007	2/13/2008	Wasatch
4301330457	SKITZY CYN UTE 1-28-2C	PA	SENE	28	040S	060W	0	0	NA	5218	6/30/1979	7/18/1979	NA	Wasatch
4301330454	SKITZY CYN UTE 21 1-21-3A	PA	NWSE	21	040S	060W	413	2	NA	1217	8/7/1978	9/4/1978	NA	Wasatch
4301333576	LC TRIBAL 8-28-46	P	SENE	28	040S	060W	18	0	D	5192	6/5/2007(dry)	10/26/2007	3/5/2008	Green River

# BillBarret Corporation Wildcat Area of Review #7-21-46 DLB

**Legend**

**wells point**

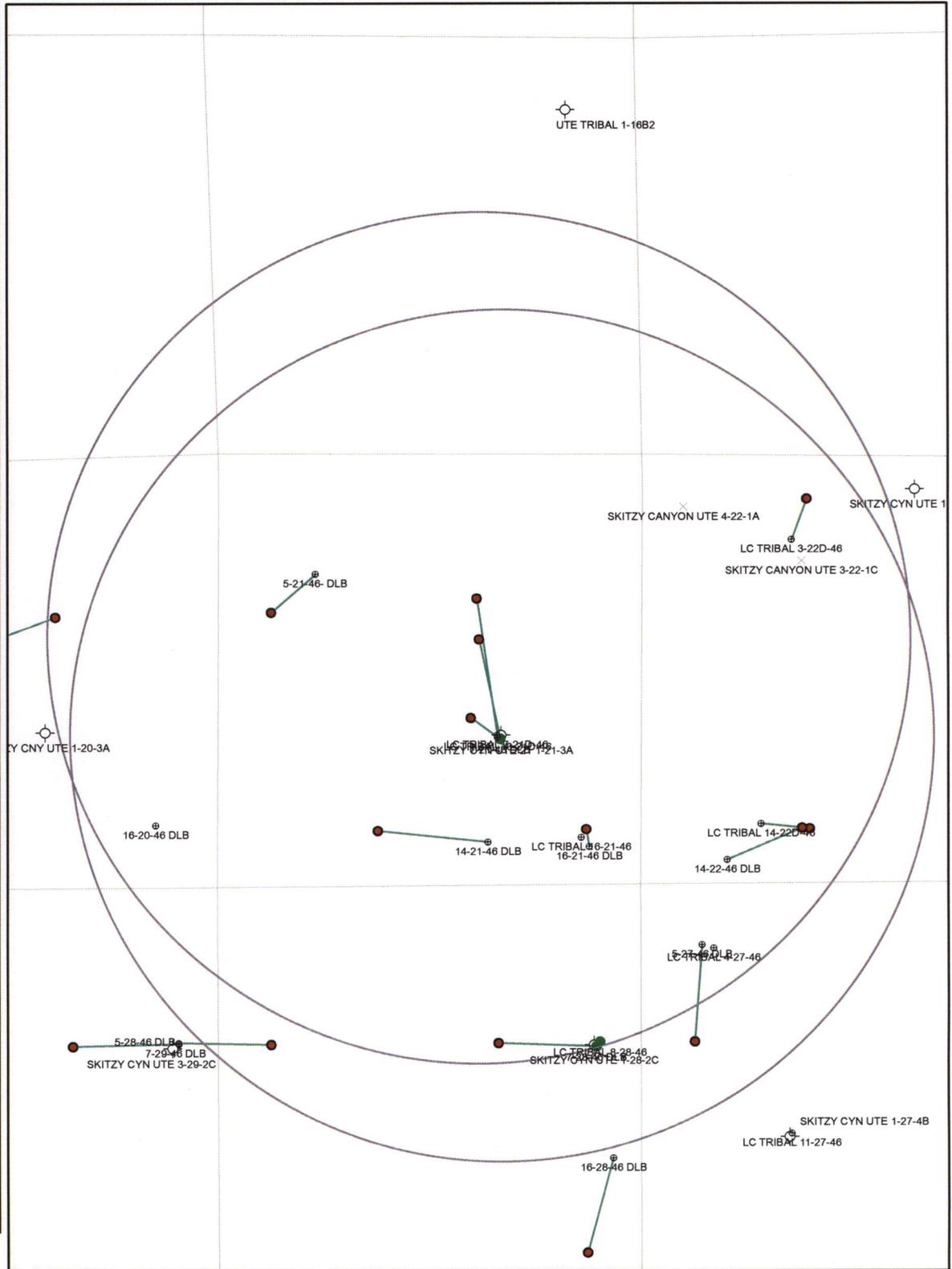
- <all other values>

**WELLTYPE**

- GIW
- ⊛ GSW
- × LA
- ⊙ LOC
- ⊙ PA
- ⊙ PGW
- POW
- BHL
- ⊙ SGW
- SOW
- ⊙ TA
- TW
- ⊙ WDW
- ⊙ WIW
- WSW
- wellsbhl point

Sections.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED
- topbottom arc



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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: BIA-14-20-H62-5500
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 Indian Tribe
			7. UNIT or CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: # 7-21-46 DLB
2. NAME OF OPERATOR: Bill Barrett Corporation			9. API NUMBER: 4301333567
3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 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: 1795' FSL x 1718' FEL COUNTY: Duchesne QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 21 T4S R6W STATE: UTAH			

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

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

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

Bill Barrett Corporation (BBC) is requesting for "Wildcat" status for # 7-21-46 DLB well. Please find a map showing a one-mile radius around the location, the completion report, and a cross section showing the perms of the # 7-21-46 DLB. The known producing formations for this well are the North Horn (8155' - 8245') and the Wasatch (6616' - 7984'). The # 7-21-46 DLB well was drilled when there was no production from a comparable depth within a 1 mile radius; the # 7-28-46 DLB had been drilled but not completed, thus no production existed. There is no known geologic structure and BBC has no pressure information available.

Also, attached find a Memorandum dated April 28, 2008 concerning (Re: Tax exemption under Section 59-5-102(2)(d)); the history of the "Blacktail Ridge Area Spacing Orders" from 1971 to present; and a CD disc outlining the well history of BBC current drilled wells in the Blacktail Ridge area. This disc contains complete drilling and completion chronology of the # 7-21-46 DLB. The spacing orders do not address Section 21 of T4S, R6W.

NAME (PLEASE PRINT) <u>Reed Haddock</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u><i>Reed Haddock</i></u>	DATE <u>4/30/2008</u>

(This space for State use only)

**REQUEST DENIED**  
Utah Division of  
Oil, Gas and Mining

*CC: Tax Commission*

**RECEIVED**

**MAY 02 2008**

(5/2000)

Date: 6/11/08  
By: *[Signature]*

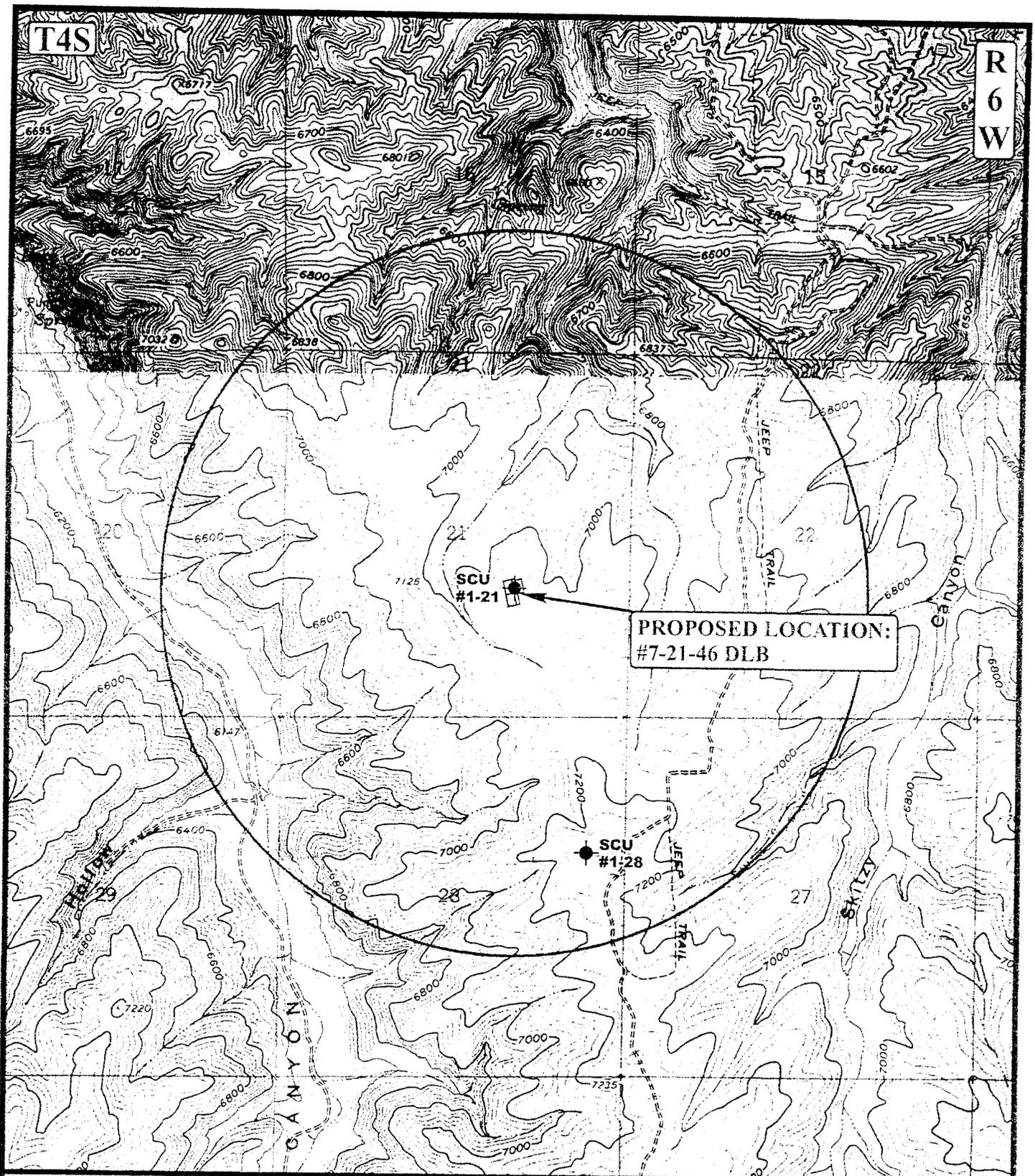
(See Instructions on Reverse Side)

**DIV. OF OIL, GAS & MINING**

*\* see attached statement of basis*

T4S

R6W



**LEGEND:**

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

**BILL BARRETT CORPORATION**

#7-21-46 DLB  
 SECTION 21, T4S, R6W, U.S.B.&M.  
 1795' FSL 1718' FEL



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

TOPOGRAPHIC MAP 02 06 07  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



## Memorandum

To: Utah Division of Oil, Gas and Mining

From: Bill Barrett Corporation  
Kurt Reinecke, SVP Exploration  
[kreinecke@billbarrettcorp.com](mailto:kreinecke@billbarrettcorp.com)  
303-312-8113

Re: Tax exemption under Section 59-5-102(2)(d)

Date: April 28, 2008

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In order to assist in the determination of well classifications for six recently drilled oil wells west of Duchesne, Utah, Bill Barrett Corporation offers the following information.

The overall context for 5 of these 6 wells is that they were drilled as part of a continuous drilling program to determine if results from historically poor, and sub-commercial, producing wells truly did defined the edge of Cedar Rim field. Additionally, since these wells were drilled as part of a continuous program, Bill Barrett Corporation was unable to evaluate the completion results on some of its wells prior to drilling the successive location, thereby further increasing the commercial risk. Results from these 6 high risk wells has encouraged us that we can indeed extend this field beyond its present limits, however we have paid the price for this exploration work via several apparently non-commercial wells.

1. **7-7-46 BTR**

- a. Classification: Wildcat
- b. Location (2323 FSL x 2465 FEL sec. 7 T4S, R6W) – This well was spud on 7/14/2007. When drilled, no other well was located within 1 mile of its bottom hole location (2141 FNL x 2043 FEL), see attached forms, cross section and associated map. The 7-7-46 BTR is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones. This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

2. **12-36-36 BTR**

- a. Classification: Development [no forms submitted]
- b. Location (1837 FSL x 704 FWL sec. 36 T3S R6W) – This well was spud 10/8/2007, and is considered development because current production exists within 1 mile of the location (see attached map on cross section). However because the well was a step out away from known production, and also drilled to test deeper potential horizons, it is considered a high risk development well.

**3. 7-28-46 DLB**

- a. Classification: Wildcat
- b. Location (2028 FNL x 543 FEL sec. 28 T4S R6W) – This well was spud on 11/12/2007. When drilled, no other producing well was located within 1 mile of its bottom hole location (1963 FNL x 1786 FEL), see attached forms and Exhibit A. Four wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-28-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**4. 7-21-46 DLB**

- a. Classification: Wildcat
- b. Location (1795 FSL x 1718 FEL sec. 21 T4S R6W) – This well was spud 12/2/2007 directly after the 7-28-46 BTR, only the typical non-descript openhole logs were available, no completion work had yet been performed on 7-28-46 DLB. Two historical wells had been drilled within 1 mile during the 1978-79 timeframe. Results from these wells showed either no production to minor sub-economic production. The 7-21-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

**5. 5-5-46 BTR**

- a. Classification: Wildcat
- b. Location (1718 FNL x 640 FWL sec. 5 T4S R6W) – This well was spud 12/7/2007. When this well was drilled two wells had been drilled within the 1 mile radius. Both these wells, drilled in 1985 and 1996, yielded sub-commercial quantities of production supporting the conclusion that these wells helped defined the southwestern edge of Cedar Rim field. The 5-5-46 BTR was a high risk well that challenged the field edge concept and was completed in a similar Green River – Wasatch interval as the two historical wells, but used hydraulic fracturing to stimulate the wellbore. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

6. **7-20-46 DLB**

- a. Classification: Wildcat
- b. Location (2250 FNL x 2500 FWL sec 20 T4S R6W) – This well was spud on 12/28/2007. When this well was drilled 1 historical well existed within 1 mile. This well, drilled in 1979, produced sub-commercial amounts of oil and gas. The newly drilled 7-21-46 DLB also existed within the 1 mile radius but this well had not been completed at the time drilling commenced on the 7-20-46 DLB. The 7-20-46 DLB is completed in generally the same Green River – Wasatch interval as wells to the north, but we also have been completing deeper zones (see cross section). This well was a significant southwesterly step out from previous uneconomic drilling that had defined the edge of Cedar Rim field for 20 years. This well supports the idea that the field is a fractured stratigraphic oil trap and not a known geologic structure.

Explanation of Cross Section

- This display shows both newly drilled wells by BBC, as well as historical wells. Note how BBC well are generally drilled deeper than historical wells.
- Gamma ray and resistivity curves are presented.
- Log headers show well name and surface locations.
- Formation correlations used by Bill Barrett Corporation are indicated.
- Red markings to the left of the depth column on each well indicate where the well is completed.
- If production existed then the cumulative amount in BOE is shown along with the decline curve graph below the logs.
- The current operator is also shown below the logs.

The map in the lower right hand corner shows the general north to south cross section line.

- One mile radius circles, centered on the bottom hole location, are shown for each well that Bill Barrett Corporation has drilled.
- Posted at the well symbol is the well number on top and the cumulative production in MMBOE below the well symbol.
- The color highlight at each symbol shows a color representation of the wells cumulative MMBOE.



# Bill Barrett Corporation

## BLACKTAIL RIDGE AREA SPACING ORDERS

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Date: April 28, 2008

To: Doug Gundry-White

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### I. Second Amended Spacing Order – April 23, 2008 Hearing

Cause

139-83

Summary of Order – Spacing Rules

Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.

Lands

Township 3 South, Range 5 West, USM  
Sections 1 to 36

Township 4 South, Range 5 West, USM  
Sections 1 to 6

Township 3 South, Range 6 West, USM  
Sections 1 to 12

Township 3 South, Range 7 West, USM  
Sections 1 to 12, 14 to 23, 26 to 29, and 32 to 35

### II. Spacing Rules Previously in Effect in Blacktail Ridge Area Lower Green River to Base of the Wasatch (640 acre units)

Cause

139-77

Summary of Order – Spacing Rules

Wells located anywhere in section, 660' from the section lines and no closer than 1,320' from any well producing from the same formation.

139-42

Two wells allowed in each section, located at least 1,320' from any existing well and 660' from unit boundary (section line).

139-8

Wells to be located in the center of the NE $\frac{1}{4}$  with tolerance of 660' in any direction (also applies to #139-17 lands).

140-6

Wells to be located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  with a tolerance of 660' in any direction.

**Statewide Rules** Wells to be located in center of 40 acre qtr-qtr, with tolerance of 200' in any direction (Utah Administrative Rule R649-3-2)

### III. Prior Spacing Orders and Lands

#### 1. BBC Spacing Order #139-77 (June 18, 2007)

All wells shall be drilled 660' from the boundaries of the unit (section) and no closer than 1,320' from a well producing from the same formations without an exception location. No more than 2 wells producing from the Lower Green River - Wasatch formations without Board authorization.

3S	6W	15, 16, 17, 18, 19, 20, 21, 22 and 27, 28, 29, 30, 31, 32, 33, 34	All	Amends #139-8 for Sections 13, 14, 23,24, 25, 26, 35, 36; amends #139-42 for all lands; amends 140-6 for 13, 24, 25, 36
4S	6W	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	Amends #139-17 for Sections 3 to 18; amends #139-42 for all lands
3S	7W	13, 24, 25 and 36	All	Amends #140-15 for 13 and 25; amends #139-42 and 140-6 for all lands

#### 2. Spacing Order 139-42 (April 1, 1985)

Effective 4-12-1985, prior orders in Cause Nos. 139-3; 139-4; 139-5; 139-8; 139-17 (Altamont); 131-11; 131-14; 131-24; 131-27; 131-32; 131-33; 131-34; 131-45; 131-55 (Bluebell); 140-6; and 140-7 (Cedar Rim-Sink Draw) are modified as of 4-12-1985 to allow for Additional Wells to be drilled in each section. The lower Green River/Wasatch formation is a pool as defined in Utah Code Ann. § 40-6-2(9) (1953, as amended).

Two wells may be drilled in each section based on geologic and engineering data to justify the additional well for recovery when economically feasible. Any additional well must be located at least 1,320' from the existing well on the unit and not closer than 660' from the boundary of the unit; and no two wells may be drilled in the same quarter section. All prior orders not consistent with this order are vacated (but existing orders that specify location of the initial wells in each section are not vacated).

3S	5W	1 to 36	All	Not amended by #139-77 To be amended by April 2008 BBC Application for Sections 1 to 36
3S	6W	1 to 36	All	Amended by #139-77 for Sections 13 to 36 To be amended by April 2008 BBC Application for Sections 1 to 12
3S	7W	1 to 36	All	Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

3. Spacing Order 139-8

(September 20, 1972)

640 acre drilling units established from top of the Lower Green River to base of the Green River-Wasatch formation.

Amends prior Orders entered in Causes 139-3; 139-4; and 139-5.

Spaced interval is now defined as from the top of the Lower Green River formation (TGR3 marker) to the base of the Green River-Wasatch formation (top of Cretaceous) by reference to the stratigraphic equivalent referenced against the Shell - Ute 1-18B5 and Brotherson 1-11B4 wells.

Permitted wells shall be located in the center of the NE $\frac{1}{4}$  of the section comprising the drilling unit, with a tolerance of 660' in any direction, except for exceptions granted without a hearing for topography.

All prior orders not consistent with this order are hereby vacated.

4S	5W	1, 2, 3, 4, 5, 6	All	Amended by BBC Spacing Order #139-77
4S	6W	1 and 2		

4. Spacing Order 140-6

(August 11, 1971)

Makes permanent the one year spacing order in Cause No. 140-1 (8-19-1970), which set section drilling units for Lower Green River and Wasatch Formations on the lands in Section 3S-6W and 3S-7W (described below), and sets tolerance for each well as 220' from center of the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of each section on 640 acre spacing for Green River and Wasatch.

The Board made findings that there is communication between wells in adjacent sections and that one well will effectively drain the oil in one section.

By Order entered 2-17-1971 in Cause No. 140-4, Order 140-1 was extended and enlarged to include lands in 2S-7W (31 to 35); 2S-8W (31 to 36); 3S-7W (2 to 7 and 18, 19, 30 and 31); and 3S-8W (1 to 36).

The Order is now made permanent that drilling units shall be located in the center of the SW $\frac{1}{4}$ NE $\frac{1}{4}$  of each section with a tolerance of 660' in any direction.

3S	6W	7, 8, 9, 10	All	Not Amended by #139-77 To be amended by April 2008 BBC Application for Sections 7, 8, 9 and 10
3S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36		Amended by #139-77 for Sections 13, 24, 25 and 36 To be amended by April 2008 BBC Application for Sections 1 to 12; 14 to 23; 26, 27, 28, 29, 32, 33, 34 and 35

#### 5. Statewide Rules - Lands not Subject to Spacing Orders

4S	5W	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	All	State Location (Siting) Rules.
4S	7W	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16		State Location (Siting) Rules.

#### IV. Notice Requirements – Spacing Area and Adjacent Lands

Under Order #139-77, working interest owners and operators of *adjacent* drilling units impacted by modification of the 660' tolerance window (under Order #140-6) were also notified, including Sections 7 to 11 of T3S, R6W and Section 12 of T3S, R7W.

By the same logic, the *adjacent* working interest owners and operators of the lands subject to Order #140-6 (which includes the lands from #140-1 and #140-4) should also be notified, including:

- T3S, R7W      Sections 30 and 31
- T3S, R8W      Sections 1, 12, 13, 24, 25 and 36
- T2S, R7W      Sections 31 to 36
- T2S, R8W      Section 36

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.  
BIA-14-20-H62-5500

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe  
7. Unit or CA Agreement Name and No.  
N/A

2. Name of Operator  
Bill Barrett Corporation

8. Lease Name and Well No.  
# 7-21-46 DLB

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

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

9. AFI Well No.  
43-013-33567

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

1795' FSL x 1718' FEL  
At surface NW/4, SE/4, Sec. 21, T4S, R6W

2442' FNL x 1974' FEL, SW/4, NE/4, Sec. 21, T4S, R6W

At top prod. interval reported below

At total depth 2435' FNL x 2032' FEL, SW/4, NE/4, Sec. 21, T4S, R6W

10. Field and Pool or Exploratory  
Altamont

11. Sec., T., R., M., on Block and  
Survey or Area Sec. 21, T4S, R6W

12. County or Parish  
Duchesne County

13. State  
UT

14. Date Spudded  
12/02/2007

15. Date T.D. Reached  
12/21/2007

16. Date Completed 02/16/2008  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
7107' GL

18. Total Depth: MD 8,531'  
TVD 8,414'

19. Plug Back T.D.: MD  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Baker Hughes HRI/CNL/GR; Borehole Profile/GR

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16" Conduct.	1/4" wall	Surface	40'		Grout Cmt.		0'	
12 1/4"	9 5/8 - J-55	36 lbs.	Surface	950'		400sxs - Lt. Pre	110 bbls.	0'	
7 7/8"	5 1/2" P110	17 lbs.	Surface	8503'		1530 sxs- 50/50 Poz	406 bbls.		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	6752'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) North Horn	8155'	8245'	8,155' - 8,245'	0.38"	18	Open
B) Wasatch	6616'	7984'	7,906' - 7,984'	0.38"	27	Open
C)			7,709' - 7,741'	0.38"	12	Open
D)			7,394' - 7,519'	0.38"	42	Open

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

Depth Interval	Amount and Type of Material
8,155' - 8,245'	1000 gals. of 15% HCL, 105,171 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,906' - 7,984'	
7,709' - 7,741'	1000 gals. of 15% HCL, 40,139 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,394' - 7,519'	

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
2/28/08	3/16/08	24	→	23.3	31	77	42	N/A	Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
58/64	250	150	→	23.3	31	77	N/A	Producing	

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	
			→						

\*(See instructions and spaces for additional data on page 2)

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 (Solid, used for fuel, vented, etc.)

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
				TGRS	3731'
				Douglas Creek Black Shale Marker	4653' 5381'
				Castle Peak	5614'
				Ute Land Butte	5917'
				Wasatch	6127'
				North Horn	8149'
				TD	8531'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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

Name (please print) Reed Haddock Title Permit Analyst  
 Signature Reed Haddock Date 03/28/2008

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.

<b>26. PERFORATION RECORD (cont.)</b>				
<b>INTERVAL (Top/Bot-MD)</b>		<b>SIZE</b>	<b>NO. HOLES</b>	<b>PERFORATION STATUS</b>
7,223'	7,295'	0.38"	18	Open
7,066'	7,130'	0.38"	15	Open
6,802'	6,974'	0.38"	30	Open
6,616'	6,721'	0.38"	27	Open

<b>27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>	
<b>DEPTH INTERVAL</b>	<b>AMOUNT AND TYPE OF MATERIAL</b>
7,223' - 7,295'	1000 gals. of 15% HCL, 81,383 lbs. 20 - 40 sand, 5000 100 mesh sand.
7,066' - 7,130'	1000 gals. of 15% HCL, 79,913 lbs. 20 - 40 sand, 5000 100 mesh sand.
6,802' - 6,974'	1000 gals. of 15% HCL, 136,743 lbs. 20 - 40 sand, 5000 100 mesh sand.
6,616' - 6,721'	1000 gals. of 15% HCL, 131,911 lbs. 20 - 40 sand, 5000 100 mesh sand.

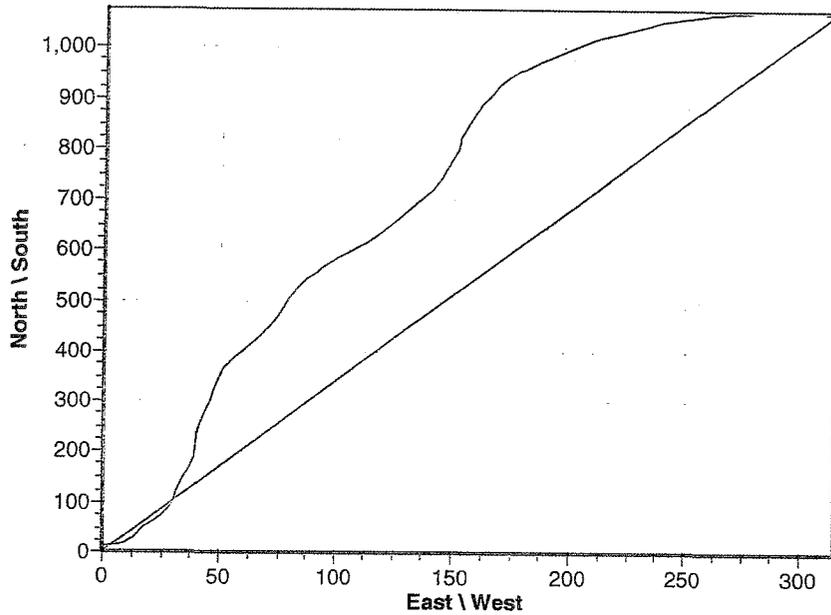
# Directional Plots

Wellcore

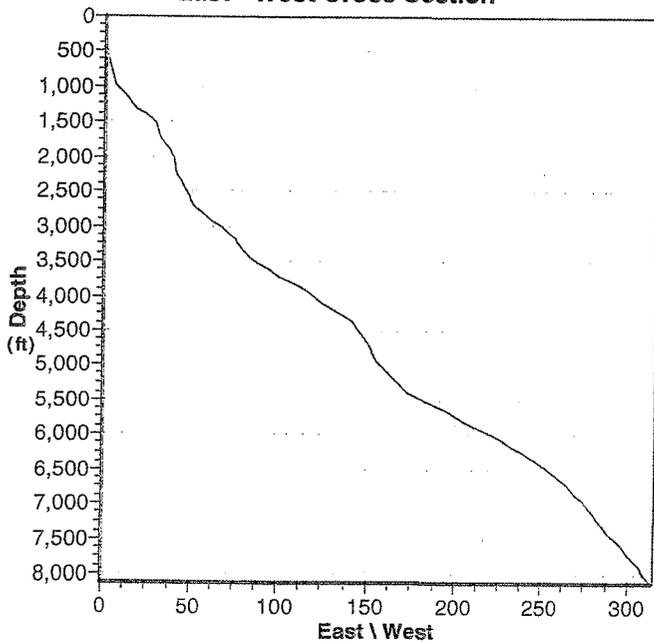
## Location Information

Business Unit :	Well :	API #/License :
Operations	#7-21-46 DLB	43-013-33567
Project :	Surface Location :	
Uinta	NWSE-21-4S-6W-W30M	
Phase/Area :	Bottom Hole Location :	
Brundage Canyon/Lake Canyon	SWNE-21-4S-6W-W30M	

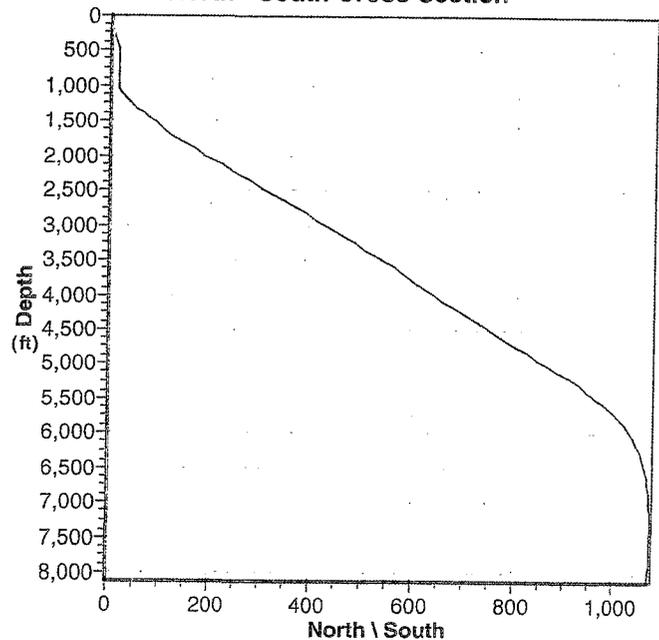
### Top View



### East - West Cross Section



### North - South Cross Section



# Directional Surveys

Wellcore

Location Information		
Business Unit	Phase/Area	Surface Location
Operations	Brundage Canyon/Lake Canyon	NWSE-21-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-21-46 DLB	

Bottom Hole Information		Survey Section Details					
UWI	API #	Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
SWNE-21-4S-6W-W30M	43-013-33567	Surface					

Survey Information		
Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
Weatherford	347.60	12.00

Details											
Corrected											Dog Leg
Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	
				0.00	21.00	0.00	N	0.00	E	0.00	0.00
	195.00	2.75		194.89	-173.89	4.68	N	0.00	E	4.57	1.41
	470.00	1.00		469.71	-448.71	13.67	N	0.00	E	13.36	0.64
	969.00	1.44	245.37	968.59	-947.59	15.42	N	5.70	W	16.28	0.41
	1031.00	2.19	307.07	1030.56	-1009.56	15.81	N	7.35	W	17.02	3.18
	1094.00	5.69	329.12	1093.38	-1072.38	19.21	N	9.92	W	20.89	5.95
	1126.00	8.00	345.37	1125.15	-1104.15	22.73	N	11.29	W	24.62	9.35
	1157.00	8.75	347.63	1155.82	-1134.82	27.12	N	12.34	W	29.14	2.64
	1189.00	8.19	347.87	1187.47	-1166.47	31.72	N	13.34	W	33.85	1.75
	1252.00	9.06	346.99	1249.75	-1228.75	40.94	N	15.40	W	43.30	1.40
	1315.00	9.81	342.62	1311.90	-1290.90	50.90	N	18.12	W	53.60	1.65
	1387.00	11.38	340.99	1382.66	-1361.66	63.47	N	22.27	W	66.77	2.22
	1441.00	11.50	346.12	1435.59	-1414.59	73.73	N	25.30	W	77.44	1.90
	1536.00	10.00	352.87	1528.92	-1507.92	91.11	N	28.59	W	95.12	2.06
	1631.00	9.38	355.37	1622.56	-1601.56	107.01	N	30.24	W	111.01	0.79
	1726.00	12.00	355.12	1715.89	-1694.89	124.57	N	31.70	W	128.47	2.76
	1821.00	14.17	353.74	1808.40	-1787.40	145.96	N	33.81	W	149.82	2.31
	1915.00	12.88	351.87	1899.79	-1878.79	167.77	N	36.55	W	171.71	1.45
	2010.00	13.25	356.37	1992.33	-1971.33	189.12	N	38.74	W	193.03	1.14
	2157.00	14.50	359.62	2135.03	-2114.03	224.34	N	39.92	W	227.68	1.00
	2200.00	12.56	358.24	2176.83	-2155.83	234.39	N	40.10	W	237.54	4.57
	2295.00	13.25	355.12	2269.43	-2248.43	255.56	N	41.35	W	258.48	1.03
	2390.00	15.00	354.24	2361.55	-2340.55	278.64	N	43.51	W	281.49	1.86
	2484.00	13.25	353.99	2452.70	-2431.70	301.46	N	45.86	W	304.27	1.86
	2580.00	14.31	356.74	2545.93	-2524.93	324.25	N	47.68	W	326.92	1.30
	2673.00	12.06	355.49	2636.46	-2615.46	345.41	N	49.10	W	347.89	2.44
	2767.00	14.81	350.49	2727.86	-2706.86	367.04	N	51.86	W	369.62	3.17
	2862.00	12.00	349.49	2820.25	-2799.25	388.73	N	55.66	W	391.61	2.97
	2957.00	13.69	340.62	2912.86	-2891.86	409.04	N	61.20	W	412.64	2.73
	3052.00	13.44	349.74	3005.21	-2984.21	430.51	N	66.89	W	434.83	2.26
	3147.00	12.50	347.74	3097.78	-3076.78	451.42	N	71.04	W	456.15	1.10
	3242.00	11.19	351.24	3190.75	-3169.75	470.58	N	74.63	W	475.63	1.57
	3305.00	11.44	352.49	3252.53	-3231.53	482.82	N	76.38	W	487.95	0.56
	3400.00	14.06	351.87	3345.16	-3324.16	503.58	N	79.24	W	508.85	2.76
	3495.00	13.00	349.37	3437.52	-3416.52	525.50	N	82.84	W	531.03	1.27
	3590.00	12.75	344.87	3530.13	-3509.13	546.13	N	87.55	W	552.19	1.09
	3654.00	12.63	342.87	3592.57	-3571.57	559.63	N	91.45	W	566.21	0.71
	3686.00	12.25	341.99	3623.82	-3602.82	566.20	N	93.53	W	573.08	1.33
	3779.00	11.31	338.87	3714.86	-3693.86	584.09	N	99.87	W	591.91	1.22
	3873.00	10.56	333.49	3807.15	-3786.15	600.40	N	107.04	W	609.38	1.35
	3968.00	12.88	344.49	3900.15	-3879.15	618.39	N	113.76	W	628.39	3.38
	4063.00	12.19	344.74	3992.88	-3971.88	638.27	N	119.23	W	648.98	0.73
	4158.00	12.44	346.24	4085.69	-4064.69	657.88	N	124.30	W	669.23	0.43
	4254.00	13.69	344.74	4179.20	-4158.20	678.89	N	129.75	W	690.91	1.35
	4349.00	12.56	342.74	4271.72	-4250.72	699.60	N	135.77	W	712.43	1.28
	4444.00	12.31	349.24	4364.49	-4343.49	719.41	N	140.73	W	732.85	1.50

# Directional Surveys

Wellcore

**Location Information**

Business Unit	Phase/Area	Surface Location
Operations	Brundage Canyon/Lake Canyon	NWSE-21-4S-6W-W30M
Project	Well Name	Main Hole :
Uinta	#7-21-46 DLB	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	4539.00	13.19	353.87	4457.14	-4436.14	740.13	N	143.78	W	753.74	1.42
	4634.00	12.44	351.37	4549.78	-4528.78	761.03	N	146.47	W	774.73	0.98
	4727.00	11.94	350.99	4640.68	-4619.68	780.43	N	149.48	W	794.33	0.54
	4822.00	14.06	357.87	4733.23	-4712.23	801.67	N	151.45	W	815.49	2.76
	4917.00	12.63	355.12	4825.65	-4804.65	823.55	N	152.76	W	837.14	1.65
	5012.00	12.06	352.62	4918.46	-4897.46	843.74	N	154.92	W	857.32	0.82
	5106.00	13.13	353.37	5010.19	-4989.19	864.08	N	157.41	W	877.73	1.15
	5199.00	14.19	348.99	5100.56	-5079.56	885.77	N	160.81	W	899.63	1.59
	5292.00	12.38	348.74	5191.06	-5170.06	906.73	N	164.93	W	921.00	1.95
	5387.00	10.31	349.74	5284.18	-5263.18	925.09	N	168.44	W	939.67	2.19
	5482.00	10.69	341.12	5377.59	-5356.59	941.79	N	172.80	W	956.92	1.70
	5546.00	11.94	338.87	5440.35	-5419.35	953.58	N	177.11	W	969.37	2.07
	5577.00	11.13	337.87	5470.72	-5449.72	959.34	N	179.39	W	975.48	2.69
	5672.00	10.25	332.62	5564.07	-5543.07	975.34	N	186.73	W	992.69	1.38
	5798.00	10.31	334.37	5688.04	-5667.04	995.46	N	196.77	W	1014.49	0.25
	5892.00	9.06	331.49	5780.70	-5759.70	1009.55	N	203.94	W	1029.79	1.43
	5984.00	8.13	325.74	5871.66	-5850.66	1021.29	N	211.06	W	1042.79	1.38
	6079.00	6.69	318.99	5965.86	-5944.86	1031.02	N	218.47	W	1053.88	1.77
	6173.00	6.19	318.24	6059.27	-6038.27	1038.93	N	225.44	W	1063.10	0.54
	6268.00	5.56	314.99	6153.77	-6132.77	1046.00	N	232.10	W	1071.44	0.75
	6364.00	5.06	311.74	6249.36	-6228.36	1052.11	N	238.55	W	1078.79	0.61
	6554.00	4.13	305.62	6438.74	-6417.74	1061.67	N	250.37	W	1090.67	0.55
	6648.00	3.69	300.12	6532.52	-6511.52	1065.16	N	255.73	W	1095.23	0.61
	6743.00	2.81	303.87	6627.36	-6606.36	1068.00	N	260.31	W	1098.98	0.95
	6837.00	2.56	299.12	6721.26	-6700.26	1070.30	N	264.06	W	1102.04	0.36
	6964.00	2.56	289.74	6848.13	-6827.13	1072.64	N	269.21	W	1105.43	0.33
	7060.00	2.31	286.24	6944.05	-6923.05	1073.90	N	273.08	W	1107.49	0.30
	7155.00	1.88	284.49	7038.98	-7017.98	1074.83	N	276.43	W	1109.12	0.46
	7250.00	2.00	283.74	7133.93	-7112.93	1075.61	N	279.55	W	1110.55	0.13
	7344.00	2.06	283.12	7227.87	-7206.87	1076.39	N	282.79	W	1112.00	0.07
	7439.00	1.94	271.37	7322.81	-7301.81	1076.81	N	286.06	W	1113.12	0.45
	7534.00	2.19	269.49	7417.75	-7396.75	1076.83	N	289.48	W	1113.88	0.27
	7628.00	2.13	264.87	7511.68	-7490.68	1076.66	N	293.01	W	1114.47	0.20
	7723.00	2.00	268.99	7606.62	-7585.62	1076.48	N	296.43	W	1115.02	0.21
	7818.00	2.19	262.49	7701.56	-7680.56	1076.21	N	299.89	W	1115.50	0.32
	7913.00	1.94	258.49	7796.49	-7775.49	1075.65	N	303.26	W	1115.68	0.30
	8008.00	2.00	257.24	7891.44	-7870.44	1074.96	N	306.46	W	1115.69	0.08
	8103.00	1.94	250.74	7986.38	-7965.38	1074.07	N	309.59	W	1115.49	0.24
	8229.00	2.06	243.12	8112.31	-8091.31	1072.34	N	313.62	W	1114.67	0.23

DIVISION OF OIL, GAS AND MINING  
**Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** Bill Barrett Corporation

**Location:** SWNE Sec. 21 T4S, R6W USM, Duchesne County, Utah

**WELL NAME:** #7-21-46 DLB **API #:** 43-013-33567

**FINDINGS**

1. The subject well produces from the Wasatch formation according to Division records.
2. The subject well was < 1 mile from known production in the Wasatch formation at the time of first commercial production on February 28, 2008. See Attachment A for summary of historical wells within the one (1) mile area of review.
3. The subject well is approximately 1217' from the SKITZY CNY UTE 21 1-21-3A well (API # 43-013-30454) that was tested in the Wasatch formation but did not produce in commercial quantities. The subject well is also approximately 5005' from the 7-28-46 DLB well (API # 43-013-33569) that produces from the Wasatch formation. The latter well was given wildcat status.
4. The well was drilled approximately 2300' south of existing spacing orders (defined pools) in the Lower Green River and Wasatch Formations. At the time the subject well was completed, the #7-28-46 DLB was producing approximately 5005' to the south from the Wasatch formation.

**CONCLUSIONS**

Based on the findings above the Division has determined the #7-21-46 DLB well was drilled into a known producing area for the Wasatch Formation. This well was drilled within 1 mile of a well that produced or was capable of producing in commercial quantities. That well was given Wildcat status. Wells drilled in the surrounding area outside of the 1 mile radius also supports the Green River and Wasatch as being known formations in this area. No information was provided in the application that supported the subject well being drilled into a separate pool.

Therefore, the Division finds that this well does not qualify for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35 and the definition of a wildcat well in R649-1-1. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet 

Date: 6/11/2008

CC: Utah State Tax Commission  
ATTN: Ken Petersen

## ATTACHMENT A

### 1 Mile Area Of Review

API	Well Name	Well Status	qtr_qtr	Section	Township	Range	cum_oil	cum_gas	field_type_flag	Dx from Well (ft)	Rotary Spud	Date TD Reached	Date First Produced	Producing Formation
4301333567	7-21-46 DLB	P		SWNE 21	040S	060W	0	0	D	0	12/3/2007	12/21/2007	2/28/2008	Wasatch
4301333568	7-20-46 DLB	P		SWNE 20	040S	060W	0	0	D	5189	2/4/2008	2/24/2008	3/22/2008	Wasatch
4301333569	7-28-46 DLB	P		SENE 28	040S	060W			W	5005	11/12/2007	11/25/2007	2/13/2008	Wasatch
4301330457	SKITZY CYN UTE 1-28-2C	PA		SENE 28	040S	060W	0	0	NA	5218	6/30/1979	7/18/1979	NA	Wasatch
4301330454	SKITZY CYN UTE 21 1-21-3A	PA		NWSE 21	040S	060W	413	2	NA	1217	8/7/1978	9/4/1978	NA	Wasatch
4301333576	LC TRIBAL 8-28-46	P		SENE 28	040S	060W	18	0	D	5192	6/5/2007(dry)	10/26/2007	3/5/2008	Green River

# BillBarret Corporation Wildcat Area of Review #7-21-46 DLB

**Legend**

**wells point**

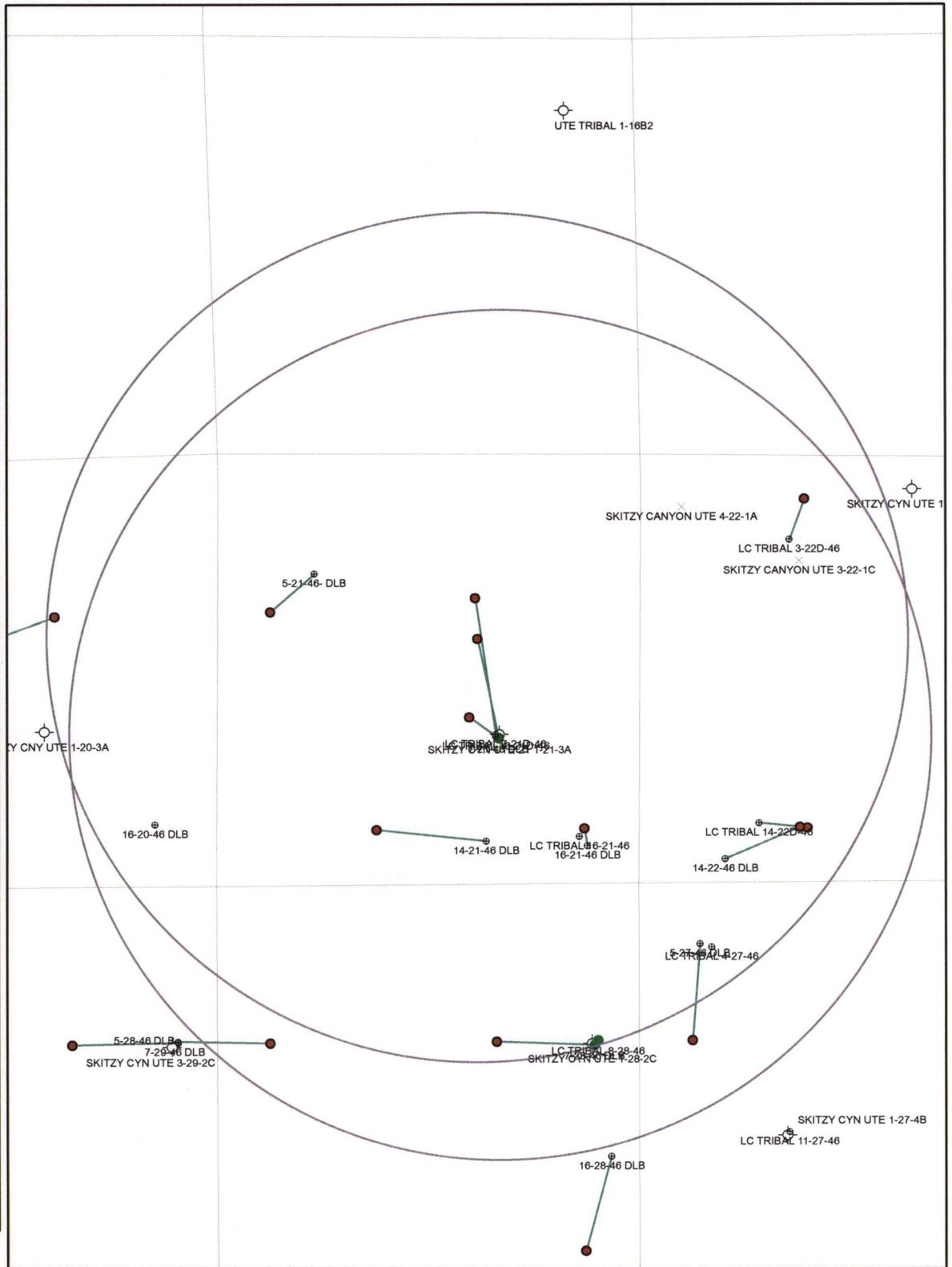
- <all other values>

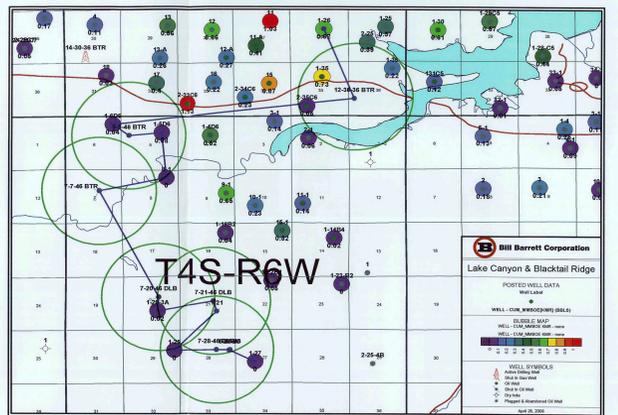
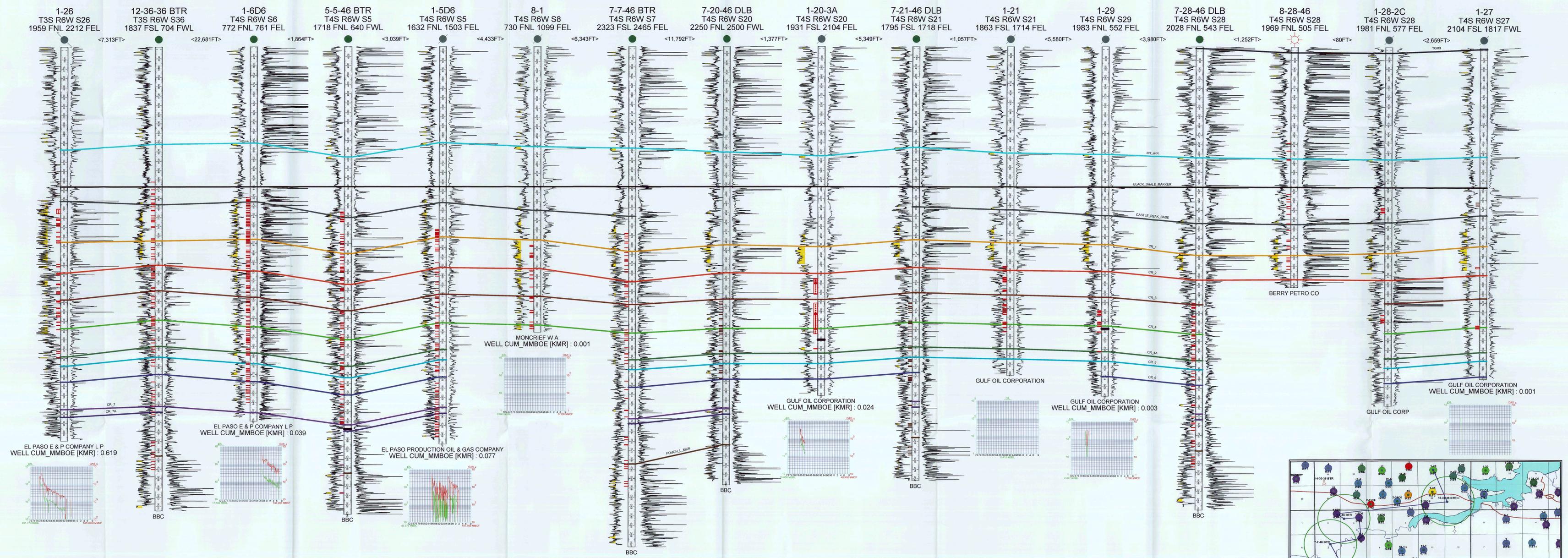
**WELLTYPE**

- GIW
- ⊛ GSW
- × LA
- ⊙ LOC
- ⊙ PA
- ⊙ PGW
- POW
- BHL
- ⊙ SGW
- SOW
- ⊙ TA
- TW
- ⊙ WDW
- ⊙ WIW
- WSW
- wellsbhl point

Sections.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED
- topbottom arc





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-5500
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-21-46 DLB
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013335670000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1795 FSL 1718 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 21 Township: 04.0S Range: 06.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 4/9/2008	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Correction to lease num"/>

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

This Sundry is being submitted to indicate that the lease for this section has been earned. The correct lease number is 14-20-H62-6108. Please update your information with this lease.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 12, 2010

<b>NAME (PLEASE PRINT)</b> Tracey Fallang	<b>PHONE NUMBER</b> 303 312-8134	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/11/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6108
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
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<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-21-46 DLB
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<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013335670000
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<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1795 FSL 1718 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 21 Township: 04.0S Range: 06.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/10/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

BBC hereby requests to recomplete the Lower Green River formation of the subject well per the procedure attached. Currently this well is not producing.

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

Date: April 26, 2012

By: Derek Quist

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/17/2012	



**7-21-46 DLB**  
**RECOMPLETE PROCEDURES**  
Section 21-T4S-R6W  
Duchesne County, Utah  
API # 43-013-33567

**April 17, 2012**

**AFE #**

**OBJECTIVE**

Pull existing rods and tubing, set CBP above existing perforations, and prepare wellbore for a Lower Green River recomplete. Perforate and frac Lower Green River per the procedure below. Drill out CBP's run tubing and return well to production.

**MATERIAL NEEDS:**

Fresh Water: 15,046 BBL's  
Sand: 756,000 pounds 20/40 White and 52,000 pounds 100 Mesh, to be supplied by Service Company.

**CURRENT WELL STATUS**

Currently the well is not producing.

**COMPLETION PROCEDURE**

1. **Safety is the highest priority.** Hold wellsite safety meetings each morning and prior to each significant operation. Review critical parameters and objectives as well as emergency action plans.
2. Hold and document pre-activity meeting, determine location of necessary equipment and rig up of same, be sure all necessary contractors are present and agree as to the layout of location.
3. Spot necessary tanks and flowback equipment to perform the work outlined below and accommodate the materials listed above.
4. Pressure test flowback iron.
5. MIRU workover rig to pull rods and tubing.
6. Flush well with 300 BBL's heated fresh water using workover rig pump.

7. RDMO workover rig and associated equipment.
8. MIRU WL unit and lubricator.
9. RIH with gage ring to 6,600'.
10. RIH with CIBP set at 6,615 MD.
11. ND production tree and NU frac tree.
12. Pressure test casing and CBP to 4,500 psi, hold for 15 minutes, monitor and record bleed off.
13. Perforate Stage 9R of Wasatch as follows:

	FROM	TO	SHOTS	Phasing	FRAC PLUG	Frac Plug Depth
<b>STAGE 9R</b>					#8 8 K	6,615
<b>GUN SYSTEM</b>	3 1/8					
<b>CHARGE</b>	3104 PJO					
	6393	6394	3	120		
	6405	6406	3	120		
	6427	6428	3	120		
	6443	6444	3	120		
	6457	6458	3	120		
	6468	6469	3	120		
	6489	6490	3	120		
	6499	6500	3	120		
	6513	6514	3	120		
	6524	6525	3	120		
	6539	6540	3	120		
	6549	6550	3	120		
	6566	6567	3	120		
	6580	6581	3	120		
	6594	6595	3	120		
<b>Total</b>			45			

14. MIRU & spot Halliburton Frac equipment.
15. Pressures test all lines to 10,000 psi.
16. Fracture stimulate interval # 9R per designs.
17. PU & RIH with CBP and perforating guns.
18. Set CBP @ 6,384'
19. Perforate Stage 10R of Wasatch as follows:



27. Perforate Stage 12R of Lower Green River as follows:

	FROM	TO	SHOTS	Phasing	FRAC PLUG	Frac Plug Depth
<b>STAGE 12</b>					#11 8 K	5,684
<b>GUN SYSTEM</b>	3 1/8					
<b>CHARGE</b>	3104 PJO					
	5475	5476	3	120		
	5493	5494	3	120		
	5509	5510	3	120		
	5521	5522	3	120		
	5537	5538	3	120		
	5557	5558	3	120		
	5569	5570	3	120		
	5585	5586	3	120		
	5605	5606	3	120		
	5619	5620	3	120		
	5633	5634	3	120		
	5645	5646	3	120		
	5655	5656	3	120		
	5663	5664	3	120		
<b>Total</b>			42			

28. Fracture stimulate Lower Green River interval # 12R per design.

29. PU & RIH with CBP and perforating guns.

30. Set CBP @ 5,458'.

31. Perforate Stage 13R of Lower Green River as follows:

	FROM	TO	SHOTS	Phasing	FRAC PLUG	Frac Plug Depth
<b>STAGE 13</b>					#12 8 K	5,458
<b>GUN SYSTEM</b>	3 1/8					
<b>CHARGE</b>	3104 PJO					
	5384	5385	3	120		
	5389	5390	3	120		
	5397	5398	3	120		
	5403	5404	3	120		
	5413	5414	3	120		
	5423	5424	3	120		
	5429	5430	3	120		
	5437	5438	3	120		
<b>Total</b>			24			

32. Fracture stimulate Lower Green River interval # 13R per design.

33. RD Halliburton frac equipment, clear location of all unnecessary personnel and equipment.

34. Set CBP @ +/- 5,300'.

35. ND frac tree and NU production tree and BOP's.

36. MIRU workover rig unit
37. Drill out CBP's and land tubing.
38. Return well to production.

**CASING DATA**

STRING	SIZE	WEIGHT	GRADE	DEPTH
Surface	9-5/8"	36#	J-55	9,71'
Production	5-1/2"	17#	P-110	8,700'

**PRESSURE AND DIMENSIONAL DATA**

SIZE	WEIGHT	GRADE	BURST	COLLAPSE	DRIFT
9-5/8"	36#	J-55	3,520 psi	2,020 psi	8.765"
5 1/2"	17.0#	P-110	psi	psi	"

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-5500	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>1. TYPE OF WELL</b> Oil Well	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>8. WELL NAME and NUMBER:</b> 7-21-46 DLB
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>9. API NUMBER:</b> 43013335670000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1795 FSL 1718 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 21 Township: 04.0S Range: 06.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/19/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached to this sundry are procedures that took place to recomplete the Lower Green River formation on this well from 6/14/2012 – 6/19/2012. Please contact Megan Finnegan at 303-299-9949 with questions.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 July 05, 2012**

<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/3/2012	

**7-21-46 DLB 6/14/2012 06:00 - 6/15/2012 06:00**

API/UWI 43-013-33567	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 8,519.0	Primary Job Type Recompletion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Crews Traveled to location. STS Arrived @ 07:00, pressure tested seal elements to 5k. Good Test.	
08:00	2.50	10:30	WLWK	Wireline	MIRU SLB wire line pressure control equipment, Held Safety meeting SLB, Delsco and STS, Review STS's Isolation valves procedure. Pressure tested lubricator and E-line bop's to 4500 psi. good test. P/up & RIH with CCL Junk Basket & 4.65" Gauge Ring, Completed depth determination to 6650', completed log tie in using log reference ran on 1-17-08 by Lone Wolf & High Definition Log ran by Baker on 12-22-07. Pooh With E-line, L/D CCL/Junk Basket/ Gauge Ring,	
10:30	1.25	11:45	PFRT	Perforating	P/up & RIH with Setting tool & 4.5" CIBP & Perf gun for Stg #9. RIH to tie in depth, Completed tie in completed log tie in using log reference ran on 1-17-08 by Lone Wolf & High Definition Log ran by Baker on 12-22-07. Set CIBP @ 6614', Pulled up and perf'd CR-3 & CR-2 Interval from 6393' to 6595' all shots fired @ designed. Pooh with spent guns.	
11:45	3.00	14:45	GOP	General Operations	MIRU HES Frac Eq. Heat frac water on 13-H-21. Hauled in the remaining frac sand. . MIRU HES Frac Eq. Heat frac water on 13-H-21. Hauled in the remaining frac sand. Slow rig up due to tight quarters on location.	

**7-21-46 DLB 6/15/2012 06:00 - 6/16/2012 06:00**

API/UWI 43-013-33567	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 8,519.0	Primary Job Type Recompletion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	GOP	General Operations	HES Crew arrived @ 04:00, Primed Pumps, Ran QA/QC fluid checks, Completed pressure test on treating iron. Safety Meeting w/ all contractors on location. Equalized Well head pressure. Open Frac tree.	
07:00	1.50	08:30	FRAC	Frac. Job	Pressure tested treating iron @ 8890 psi. Frac'd Stg # 9 of 10, Zone Stg CR-3 & 2. Open Well @ 07:04 Hrs, W/ 200 Csg psi, 63 Surface & Frac Mandrel / STS Isolation Mandrel, -7 psi. Formation Break Down @ 11.7 bpm, 2161 psi. Total Bbls of 15% HCL Pump 94 bbls & Bio-Balls pumped 90. Started on 3% KCL Slick Water pad @ 70.7 bpm, 3167 psi. Open Perforation = 45 out of 45 shots, ISIP = 1769 psi, .71 Frac Gradient. Started on X-link pad @ 70.5 bpm, 3067 psi. Start 2#/ Gal 20/40 Prem White sand, 70.4 bpm, 3130 psi. 2# 70.4 bpm, 3099 psi 2# On perms bpm 70.5 @ 2866 psi 3# 70.4 bpm, 2814 psi 3# On perms bpm 70.5 @ 2641 psi 3.5# 70.5 bpm, 2573 psi 3.5# On perms bpm 70.4 @ 2527 psi 4# 70.5 bpm, 2517 psi 4# On perms bpm 70.4 @ 2459 psi On Flush @ 74.2 bpm, 2478 psi. Open Perforation = 45 out of 45 shots, ISDP, 1790 psi, 0.72 Frac Gradient. Max Rate 71.4 bpm, Max Pressure 3533 psi. Avg Rate 70.5 bpm, Avg Pressure 2855 psi Total X-link fluids pumped: 67,788 gals Total 3% slick water pumped: 66,444 gals Total fluid in bbls pumped: 3287 bbls Total Prem White Sand pumped, 20/40 = 166,400#	
08:30	1.50	10:00	PFRT	Perforating	R/U E-line, P/up stg #10, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip using Lone Wolf log reference Ran on 1-17-08, log reference Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 6377', w/ 1600 psi, pulled up & perforated stg #10 intervals from 6147' to 6364'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #10.	



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	1.50	11:30	FRAC	Frac. Job	Pressure tested treating iron @ 8901 psi. Frac'd Stg # 10 of 10, Zone Stg CR-2 & Wasatch. Open Well @ 10:00 Hrs, W/ 1230 Csg psi, +64 Surface & STS Isolation Mandrel, -36 psi. Formation Break Down @ 9.0 bpm, 3209 psi. Total Bbls of 15% HCL Pump 94 bbls & Bio-Balls pumped 90. Started on 3% KCL Slick Water pad @ 70.2 bpm, 1559 psi. Open Perforation = 45 out of 45 shots, ISIP = 1297 psi, 0.65 Frac Gradient. Started on X-link pad @ 70.5 bpm, 2522 psi. Start 2#/ Gal 20/40 Prem White sand, 70.5 bpm, 2688 psi 2# 70.5 bpm, 2687 psi 2# On perms bpm 70.5 @ 2502 psi 3# 70.5 bpm, 2450 psi 3# On perms bpm 70.5 @ 2303 psi 3.5# 70.5 bpm, 2154 psi 3.5# On perms bpm 70.5 @ 2077 psi 4# 70.5 bpm, 2075 psi 4# On perms bpm 70.4 @ 2019 psi On Flush @ 72.8 bpm, 2013 psi. Open Perforation = 45 out of 45 shots, ISDP, 1281 psi, 0.65 Frac Gradient. Max Rate 71.3 bpm, Max Pressure 3361 psi. Avg Rate 70.5 bpm, Avg Pressure 2494 psi Total X-link fluids pumped: 68,793 gals Total 3% Slick water pumped: 63,956 gals Total fluid in bbls pumped: 3253.5 bbls Total Prem White Sand pumped, 20/40 = 166,500#,
11:30	2.75	14:15	PFRT	Perforating	R/U E-line, P/up stg #11, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip using Halliburton log reference Ran on 1/17/08, log reference Made depth correction to CCL, Plug and Gun were stuck, Made several attempts to work line tools free. Was Unsuccessful, Open well on a 16/64" choke and continued to work plug and guns free. No Luck. shut in well, Flowed a total of 30 bbls back. Primed pumps, pumped a total of 300 bbls of FR Water, worked tools free. still very sticky, Pulled plug and guns up 350' pass stuck point. Flushed Casing with 75 bbls, Drop down with e-line and completed tie in. Pulled up & Set CBP @ 5920', w/ 1200 psi, pulled gun string to target depth, pressure tested the plug to 2500, good test, perforated stg #11 intervals from 5690' to 5904'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #11.
14:15	1.50	15:45	FRAC	Frac. Job	Pressure tested treating iron @ 8901 psi. Frac'd Stg #12 of 13. Open Well @ 14:58 Hrs, W/ 900 Csg psi, 64 Surface & Frac Mandrel, -30 psi Formation Break Down @ 9.0 bpm, 3065 psi. Total Bbls of 15% HCL Pump 92 bbls & Bio-Balls pumped 90. Started on 3% KCL Slick Water pad @ 70.4 bpm, 2152 psi. Open Perforation = 45 out of 45 shots, ISIP = 924 psi, .64 Frac Gradient. Started on X-link / 1# ppg 100 mesh pad @ 70.0 bpm, 2171 psi Start 2#/ Gal 20/40 Prem White sand, 70.3 bpm, 2180 psi 1# 70.3 bpm, 2180 psi 1# On perms bpm 70.4 @ 2130 psi 2# 70.4 bpm, 2113 psi 2# On perms bpm 70.4 @ 1981 psi 3# 70.5 bpm, 1973 psi 3# On perms bpm 70.5 @ 1854 psi 3.5# 70.5 bpm, 1807 psi 3.5# On perms bpm 70.4 @ 1763 psi 4# 70.5 bpm, 1768 psi 4# On perms bpm 70.4 @ 1736 psi On Flush @ 66.2 bpm, 1567 psi. Open Perforation = 45 out of 45shots, ISDP, 1140 psi, 0.64 Frac Gradient. Max Rate 71.6 bpm, Max Pressure 3012 psi. Avg Rate 70.6 bpm, Avg Pressure 2080 psi Total X-link fluids pumped: 75,399 gals Total 3% Slick water pumped: 62,865 gals Total fluid in bbls pumped: 3384 bbls Total Prem White Sand pumped, 20/40 = 142,164# Total 100 Mesh Sand Pumped: 18,740#
15:45	1.50	17:15	PFRT	Perforating	Turned well over to E-line crew, P/up Stg #12 CBP & 3104 PJO perf guns. Equalized, RIH w/ Plug & Guns. Set CBP @ 5679 w/ 950 psi. Pulled up & perf'd Interval from 5475' to 5664', placed a total of 24 holes. Pooh w/ Spent Guns.
17:15	12.75	06:00	LOCL	Lock Wellhead & Secure	Secured STS frac and Isolation equipment. Hauled in frac sand and frac water.

**7-21-46 DLB 6/16/2012 06:00 - 6/17/2012 06:00**

API/UWI 43-013-33567	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 8,519.0	Primary Job Type Recompletion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	LOCL	Lock Wellhead & Secure	HES Crew arrived @ 06:30 hrs, Primed Pumps, Ran QA/QC fluid checks. Safety Meeting w/ all contractors on location.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	1.50	09:00	FRAC	Frac. Job	Pressure tested treating iron @ 8650 psi. Frac'd Stg #12 of 13, Zone Stg Castle Peak & Black Shale, Open Well @ 07:36 Hrs, W/ 500 Csg psi, +64 Surface & Frac Mandrel, 11 psi. Formation Break Down @ 9.9 bpm, 1553 psi. Total Bbls of 15% HCL Pump 90 bbls & Bio-Balls pumped 84. Started on 3% KCL Slick Water pad @ 70.9 bpm, 2169 psi. Open Perforation = 42 out of 42 shots, ISIP = 955 psi, 0.61 Frac Gradient. Started on X-link / 1# ppg 100 mesh pad @ 70.9 bpm, 2169 psi. Start 1#/ Gal 20/40 Prem White sand, 71.3 bpm, 2258 psi 1# 70.8 bpm, 2280 psi 1# On perms bpm 70.8 @ 2225 psi 2# 70.8 bpm, 2218 psi 2# On perms bpm 70.3 @ 2103X psi 3# 70.3 bpm, 2090 psi 3# On perms bpm 70.3 @ 2040 psi 3.5# 70.4 bpm, 2022 psi 3.5# On perms bpm 70.2 @ 1990 psi 4# 70.2 bpm, 1985 psi 4# On perms bpm 70.2 @ 1948 psi On Flush @ 74.5 bpm, 1986 psi. Open Perforation = 42 out of 42 shots, ISDP, XXXX psi, 0.XX Frac Gradient. Max Rate 72 bpm, Max Pressure 2825 psi. Avg Rate 70.7 bpm, Avg Pressure 2154 psi Total X-link fluids pumped: 68,704 gals Total 3% Slick water pumped: 57928 gals Total fluid in bbls pumped: 3107 bbls Total Prem White Sand pumped, 20/40 = 142,300#, Total 100 Mesh Sand Pumped: 17,000#
09:00	1.25	10:15	PFRT	Perforating	R/U E-line, P/up stg #13, 10K Fast Drill CBP and 3 1/8", 3104 PJO Perf guns. Pressure tested lub, RIH to target depth, ran correlation strip using Halliburton log reference Ran on 1/17/08, log reference Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 5450', w/ 1000 psi, pulled up & perforated stg #13 intervals from 5384' to 5438'. POOH w/ e-line, L/D Spent guns, All shots fired as design. Turned Well over to HES to Frac stg #13.
10:15	1.50	11:45	FRAC	Frac. Job	Pressure tested treating iron @ 8560 psi. Frac'd Stg # 13 of 13, Zone Stg Black Shale. Open Well @ 10:30 Hrs, W/ 1464 Csg psi, 64 Surface & Frac Mandrel, -11 psi. Formation Break Down @ 8.7 bpm, 1932 psi. Total Bbls of 15% HCL Pump 55 bbls & Bio-Balls pumped 48. Started on 3% KCL Slick Water pad @ 70.0 bpm, 2979 psi. Open Perforation = 24 out of 24 shots, ISIP = 1034 psi, .63 Frac Gradient. Started on X-link pad / 1# ppg 100 Mesh @ 68.9 bpm, 3049 psi Start 1#/ Gal 20/40 Prem White sand, 69.6 bpm, 2956 psi. 1# 69.6 bpm, 2965 psi 1# On perms bpm 69.4 @ 2899 psi 2# 69.4 bpm, 2884 psi 2# On perms bpm 69.5 @ 2709 psi 3# 69.5 bpm, 2681 psi 3# On perms bpm 69.4 @ 2552 psi 3.5# 69.6 bpm, 2368 psi 3.5# On perms bpm 69.6 @ 2294 psi 4# 69.4 bpm, 2257 psi 4# On perms bpm 69.3 @ 2145 psi On Flush @ 70.0 bpm, 2250 psi. Open Perforation = 24 out of 24 shots, ISDP, 1464 psi, 0.71 Frac Gradient. Max Rate 69.8 bpm, Max Pressure 4199 psi. Avg Rate 67.3 bpm, Avg Pressure 2781 psi Total X-link fluids pumped: 61,035 gals Total 3% Slick water pumped: 55,237 gals Total fluid in bbls pumped: 2825 bbls Total Prem White Sand pumped, 20/40 = 118,200#, Total 100 Mesh Sand Pumped: 15,700#, Rig down 4" & 3" Stand pipes off of frac head, Started rigging down frac equipment.
11:45	1.25	13:00	WLWK	Wireline	R/U E-line, P/up 10K Fast Drill CBP / Kill Plug, Pressure tested lub, RIH to target depth, ran correlation strip using Lone Wolf reference Ran on 5/21/12, log reference Made depth correction to CCL, drop down to tie in collar, verified CCL was still on depth. Set CBP plug @ 5318', w/ 900 psi, Bled off casing pressure, verified CBP/Kill plug held good static test. POOH w/ e-line, L/D Setting tool, RDMO E-line equipment.
13:00	1.75	14:45	SRIG	Rig Up/Down	Rig Down STS stinger and frac head equipment. R/D HES Water manifold, R/D Water transfer equipment. Batched Frac tanks for completion rig.
14:45	15.25	06:00	LOCL	Lock Wellhead & Secure	Secured Frac valve for the night.

**7-21-46 DLB 6/17/2012 06:00 - 6/18/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-33567	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	8,519.0	Recompletion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI. Changed out Annular element yesterday & Staged equip. on the 14X
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	1.00	08:30	BOPI	Install BOP's	Bled off Pressure from Csg. ND Frac tree & Frac Sleeve, NU 7 1/16" 2' 5K Spool. NU 7 1/16" 5K Double gate, NU 7 1/16" 5K Drilling Spool, NU 7 1/16" 5K Annular, & function test.
08:30	0.50	09:00	SRIG	Rig Up/Down	RU work floor & Tbg. equip.
09:00	2.50	11:30	GOP	General Operations	Unload Tbg. 2 7/8" L80 EUE. 6.5#
11:30	3.00	14:30	RUTB	Run Tubing	PU 4 3/4" Smith Rock Bit, 2 7/8" POB sub 3 1/8" O.D. w/float, 1 Jt. 2 7/8" L80 6.5# Tbg., 2.205" XN Nipple, 1 Jt., 2.313" X Nipple, & Tbg. Tag Kill Plug @ 5318'
14:30	0.50	15:00	SRIG	Rig Up/Down	RU Power Swivel.
15:00	0.50	15:30	SRIG	Rig Up/Down	MIRU N2 Foam Unit.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	Secure well for the night. WSI.



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
				TGR3	3731
				DOUGLAS CREEK	4653
				BLACK SHALE MARKER	5381
				CASTLE PEAK	5614
				UTE LAND BUTTE	5917
				WASATCH	6127
				NORTH HORN	8149
				TD	8531

32. Additional remarks (include plugging procedure):

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 #146149 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 08/16/2012

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

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**7-21-46 DLB Completion Report Continued**

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>			
<b>AMOUNT AND TYPE OF MATERIAL</b>			
<b><u>Stage</u></b>	<b><u>Bbls Slurry</u></b>	<b><u>20/40 White Sand</u></b>	<b><u>100 Mesh Sand</u></b>
1	3,469	166,400	
2	3,433	166,500	
3	3,574	156,560	18,740
4	3,280	142,300	17,000
5	2,970	118,200	15,720

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

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

FORM 6

**ENTITY ACTION FORM**

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

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333567	7-21-46 DLB		NWSE	21	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	16526	16526				6/18/12	
<b>Comments:</b> Addition of <u>Green River</u> Formation							8/28/2012

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736668	Wall 13-17		SWSW	17	7S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	15363	15363				7/18/12	
<b>Comments:</b> Addition of <u>Green River</u> Formation							8/28/2012

**Well 3**

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

**ACTION CODES:**

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

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

8/28/2012

Date

**RECEIVED**

**AUG 28 2012**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6430	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-21-46 DLB
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013335670000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext
<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1795 FSL 1718 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 21 Township: 04.0S Range: 06.0W Meridian: U	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Lease"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/31/2014			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

The tribal lease has been amended to 1420H626430.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 February 05, 2014**

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/31/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-6430
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7.UNIT or CA AGREEMENT NAME:</b>
--	--

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> 7-21-46 DLB
------------------------------------	--

<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43013335670000
--	---

<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
---	--	--

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1795 FSL 1718 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 21 Township: 04.0S Range: 06.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/28/2017</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Well was shut in on 5/28/15 due to low production & low commodity prices. On 5/27/16 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 5/27/17. Wells currently has 0 psi tubing, 849 psi on 5-1/2" casing, 15 psi Braden Head. With minimal to zero Braden Head pressure & 849 psi casing pressure, it is evident that the 5-1/2" intermediate casing has full integrity & all formations are protected. Fluid level was found at 5600ft from surface with TOC at 2750ft. 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 5/28/17.

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

Date: May 04, 2016

By: *Dark Duff*

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/7/2016

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

Effective Date: 11/1/2016

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

**WELL INFORMATION:**

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

**OPERATOR CHANGES DOCUMENTATION:**

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

**REVIEW:**

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

**NEW OPERATOR BOND VERIFICATION:**

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

**DATA ENTRY:**

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

**COMMENTS:**

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From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

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

**New Operator Contact information:**

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

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

Sincerely,

Bill Barrett Corporation

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

Brady Riley  
Permit Analyst

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

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

**APPROVED**

NOV 07 2016

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

**Request to Transfer Application or Permit to Drill**

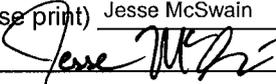
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

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

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

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

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

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

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

UIC FORM 5

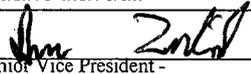
TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 11/1/2016

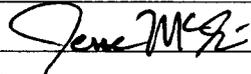
CURRENT OPERATOR

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

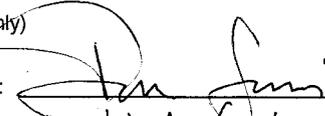
Name: Duane Zavadil  
Signature:   
Senior Vice President -  
Title: EH&S, Government and Regulatory Affairs  
Date: 10/20/16

NEW OPERATOR

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

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

(This space for State use only)

Transfer approved by:   
Title: VIC Geologist

Approval Date: 11/3/16

Comments:

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

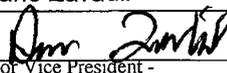
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

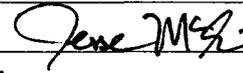
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

**CURRENT OPERATOR**

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

**NEW OPERATOR**

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

(This space for State use only)

Transfer approved by:   
Title: VIC

Approval Date: 11/3/16

Comments:

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

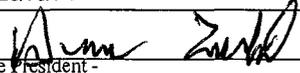
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

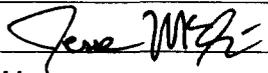
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

**CURRENT OPERATOR**

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

**NEW OPERATOR**

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

(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

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