



June 19, 2008

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

7-19-46 DLB
Tribal Surface/Tribal Minerals
SWNE, Section 19-T4S-R6W
Duchesne County, Utah

Diana Mason, Environmental Scientist I:

Enclosed please find a copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well. Montgomery Archeological Consultants conducted a Class III archeological survey for this location the week of June 16, 2008. Once BBC receives a copy of this report it will be forwarded. EIS Environmental and Engineering Consulting conducted a "Threatened, Endangered, Candidate, and Sensitive Species Habitat Delineation Survey" the week of June 16, 2008. Once BBC receives a copy of this report it will be forwarded.

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

Sincerely,

A handwritten signature in black ink that reads 'Reed Haddock'.

Reed Haddock
Permit Analyst

Enclosures

RECEIVED
JUN 23 2008
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

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. BIA 14-20-H62-5500
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202	3b. Phone No. (include area code) (303) 312-8546	8. Lease Name and Well No. # 7-19-46 DLB
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNE, 1996' FNL, 1786' FEL 533956X 40.120201 At proposed prod. zone SWNE, 1996' FNL, 1786' FEL 44409444 -110.601518		9. API Well No. Pending 43013-34004
11. Distance in miles and direction from nearest town or post office* Approximately 16.1 miles southwest of Duchesne, Utah		10. Field and Pool, or Exploratory Altamont 55
12. County or Parish Duchesne	13. State UT	11. Sec., T. R. M. or Blk. and Survey or Area Section 19-T4S-R6W U.S.B.&M.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1786'	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. 4250' (oil well)	19. Proposed Depth 8420'	20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7121' ungraded ground	22. Approximate date work will start* 09/01/2008	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 6. 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) Reed Haddock	Date 06/19/2008
-----------------------------------	---	---------------------------

Title
Permit Analyst

Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 06-25-08
--	--	-------------------------

Title
ENVIRONMENTAL MANAGER

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

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

*(Instructions on page 2)

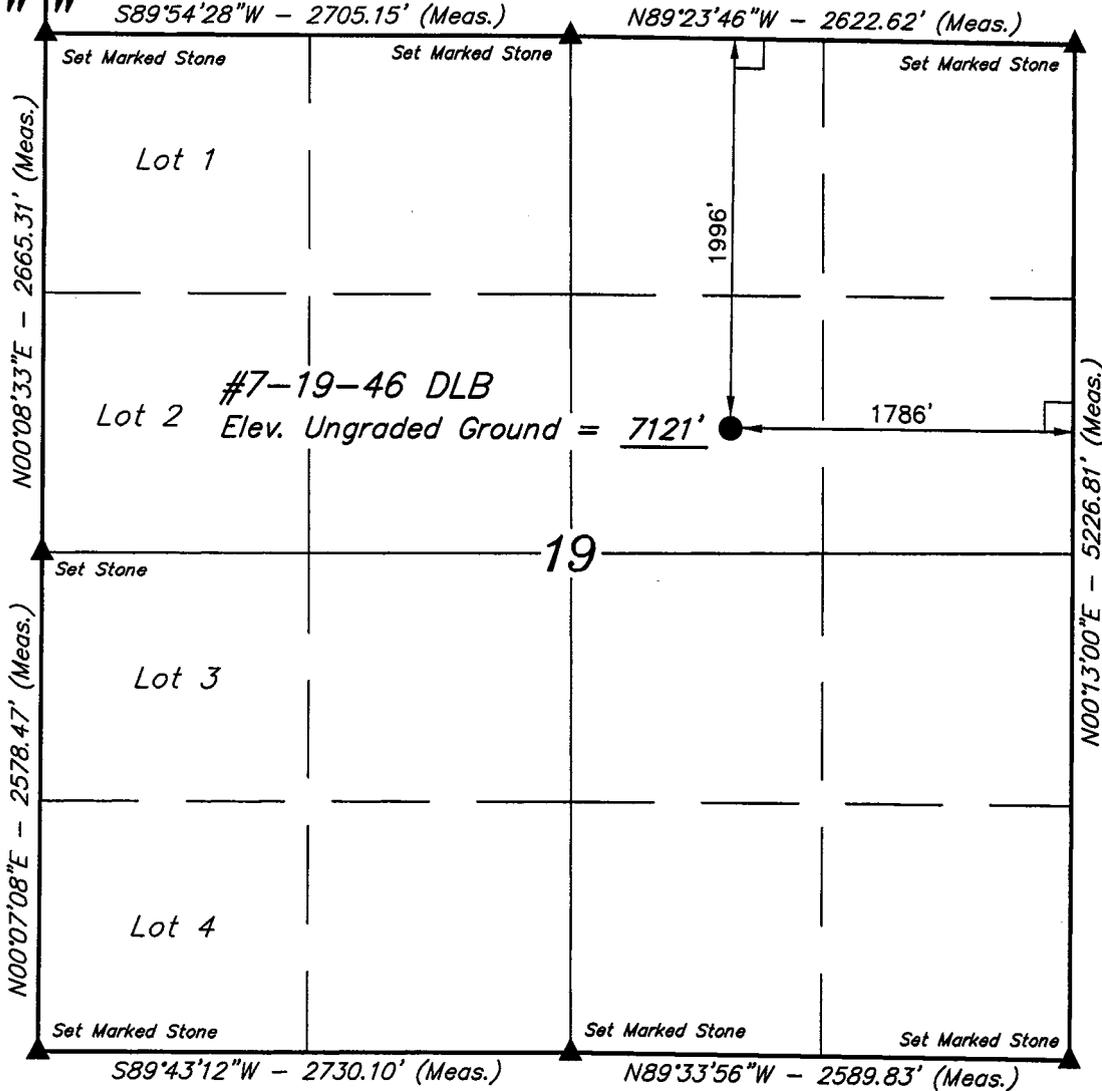
RECEIVED

JUN 23 2008

DIV. OF OIL, GAS & MINING

R
7
W

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



BILL BARRETT CORPORATION

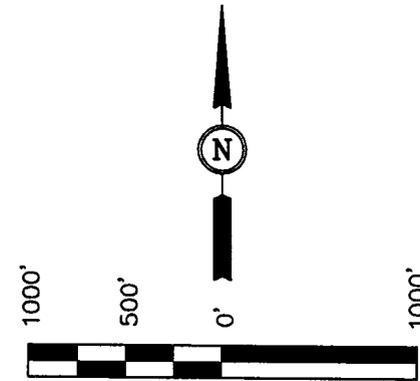
Well location, #7-19-46 DLB, located as shown in the SW 1/4 NE 1/4 of Section 19, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

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

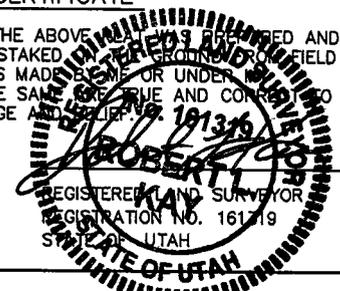
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED IN THE FIELD AND NOTES OF ACTUAL SURVEYS MADE THEREUNDER UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

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

(NAD 83)
 LATITUDE = 40°07'12.58" (40.120161)
 LONGITUDE = 110°36'07.82" (110.602172)
 (NAD 27)
 LATITUDE = 40°07'12.73" (40.120203)
 LONGITUDE = 110°36'05.26" (110.601461)

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

SCALE 1" = 1000'	DATE SURVEYED: 05-02-08	DATE DRAWN: 05-13-08
PARTY T.A. S.K. C.C.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BILL BARRETT CORPORATION	

Bill Barrett Corporation
 Drilling Program
 # 7-19-46 DLB
 Duchesne County, Utah

DRILLING PLAN

BILL BARRETT CORPORATION
 # 7-19-46 DLB
 SHL: SWNE, 1996' FNL & 1786' FEL, Section 19-T4S-R6W
 BHL: SWNE, 1996' FNL & 1786' FEL, Section 19-T4S-R6W
 Surface Owner: Tribal (Ute Indian Tribe)
 Duchesne County, Utah

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

Formation	Depth
Green River	Surface
Douglas Creek	4,389'
Black Shale	5,215'
Castle Peak	5,576'
Wasatch	5,952' *
North Horn	7,987' *
TD	8,420'

*PROSPECTIVE PAY

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

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
0 – 850'	No pressure control required
850' – 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.	

4. Casing Program

Hole Size	SETTING DEPTH		Casing Size	Casing Weight	Casing Grade	Thread	Condition
	(FROM)	(TO)					
12 ¼"	surface	850'	9 5/8"	36#	J or K 55	ST&C	New
8 ¾"	surface	8,420'	5 ½"	17#	N or I 80	LT&C	New

5. **Cementing Program**

9 5/8" Surface Casing	Approximately 350 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.82 ft ³ /sx) circulated to surface with 100% excess
5 1/2" Production Casing	Approximately 370 sx Halliburton Hi-Fill Modified cement with additives mixed at 10.7 ppg (yield = 2.92 ft ³ /sx). Approximately 330 sx Halliburton Tuned Light RS-1 cement with additives mixed at 11.5 ppg (yield = 3.21 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 850'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
40' – 850'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
850' – TD	8.6 – 10.6	42-52	20 cc or less	DAP Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

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

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

8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4641 psi* and maximum anticipated surface pressure equals approximately 2789 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

9. **Auxiliary equipment**

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

Bill Barrett Corporation
Drilling Program
7-19-46 DLB
Duchesne County, Utah

10. Location and Type of Water Supply

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

11. Drilling Schedule

Location Construction:	Approximately September 1, 2008
Spud:	Approximately August 15, 2008
Duration:	20 days drilling time
	45 days completion time

7-19-46 DLB Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (350' - 0')	
Halliburton Light Premium	Fluid Weight: 12.7 lbm/gal
1.0% Calcium Chloride	Slurry Yield: 1.82 ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 9.72 Gal/sk
	Top of Fluid: 0'
	Calculated Fill: 350'
	Volume: 34.16 bbl
	Proposed Sacks: 120 sks
Tail Cement - (TD - 350')	
Premium Cement	Fluid Weight: 15.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.20 ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 5.238 Gal/sk
	Top of Fluid: 350'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 230 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4715' - 850')	
Halliburton Hi-Fill Modified	Fluid Weight: 10.7 lbm/gal
0.2% HR-5	Slurry Yield: 2.92 ft ³ /sk
0.25 lbm/sk Poly-E-Flake	Total Mixing Fluid: 17.26 Gal/sk
5.0 lbm/sk Gilsonite	Top of Fluid: 850'
	Calculated Fill: 3,865'
	Volume: 191.26 bbl
	Proposed Sacks: 370 sks
Tail Cement - (8420' - 4715')	
Halliburton Tuned Light RS-1	Fluid Weight: 11.5 lbm/gal
0.2% Super CBL	Slurry Yield: 3.21 ft ³ /sk
0.2% HR-5	Total Mixing Fluid: 18.56 Gal/sk
	Top of Fluid: 4,715'
	Calculated Fill: 3,705'
	Volume: 183.36 bbl
	Proposed Sacks: 330 sks



BILL BARRETT CORPORATION

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

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

KCL Polymer Drilling Fluid Recommendation

Prepared for: Mr. Dominic Spencer

August 17, 2006

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

HALLIBURTON
Baroid

DRILLING PROGRAM BRIEFING

Well total depth : 8,500' TMD

		<u>Hole Size</u>	<u>Casing</u>	<u>Length</u>
Casing design :	Surface	12 1/4"	9 5/8"	750'
	Production	7 7/8"	5 1/2"	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 1/4" 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 ²)	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 ²)	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.

HALLIBURTON

**Bill Barrett Corporation E-bill
Do Not Mail-1099 18th St,ste 2300w
Denver, Colorado 80202**

Cedar Rim Field
Duchesne County, Utah
United States of America

Cement Surface Casing

Prepared for: Dominic Spencer
June 6, 2008
Version: 1

Submitted by:
Jared Fenton
Halliburton
1125 17th Street #1900
Denver, Colorado 80202
303.249.7704

HALLIBURTON

HALLIBURTON

Job Recommendation

Cement Surface

Casing

Fluid Instructions

Fluid 1: Water Spacer

Water Spacer

0.42 lbm/bbl Halliburton Gel (Light Weight Additive)
0.125 lbm/bbl Poly-E-Flake (Lost Circulation Additive)

Fluid Density: 8.340 lbm/gal
Fluid Volume: 20 bbl

Fluid 2: Lead Cement

Halliburton Light Premium

1 % Calcium Chloride (Accelerator)
0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight 12.700 lbm/gal
Slurry Yield: 1.819 ft³/sk
Total Mixing Fluid: 9.716 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 1500 ft
Volume: 146.425 bbl
Calculated Sacks: 451.961 sks
Proposed Sacks: 455 sks

Fluid 3: Tail Cement

Premium Cement

2 % Calcium Chloride (Accelerator)
0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight 15.600 lbm/gal
Slurry Yield: 1.197 ft³/sk
Total Mixing Fluid: 5.238 Gal/sk
Top of Fluid: 1500 ft
Calculated Fill: 800 ft
Volume: 78.093 bbl
Calculated Sacks: 366.301 sks
Proposed Sacks: 370 sks

HALLIBURTON

Job Recommendation

Cement Production Casing

Fluid Instructions

Fluid 1: Water Spacer
5 bbl Water

Fluid Density: 8.330 lbm/gal
Fluid Volume: 5 bbl

Fluid 2: Reactive Spacer

Super Flush 101 XLC
4.16667 gal/Mgal
40 bbl
1 lbm/bbl Tuf Fiber 594 (Lost Circulation Additive)

Fluid Density: 10 lbm/gal
LGC-35 CBM (Gelling Agent) Fluid Volume:

Fluid 3: Water Spacer

5 bbl Water

Fluid Density: 8.330 lbm/gal
Fluid Volume: 5 bbl

Fluid 4: 10.5# CBM Lite (Type V)

VARICEM (TM) CEMENT
0.3 % SteelSeal (Additive Material)
1 lbm/sk Pheno Seal - Blend (Lost Circulation Additive)
0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)
1 lbm/sk Tuf Fiber 594 (Lost Circulation Additive)

Fluid Weight 10.500 lbm/gal
Slurry Yield: 4.312 ft³/sk
Total Mixing Fluid: 27.925 Gal/sk
Top of Fluid: 3064 ft
Calculated Fill: 511 ft
Volume: 38.400 bbl
Calculated Sacks: 50 sks
Proposed Sacks: 50 sks

Fluid 5: Highbond 75

HALCEM (TM) SYSTEM
0.2 % HR-5 (Retarder)
0.25 lbm/sk Poly-E-Flake (Lost Circulation Additive)
5 lbm/sk Gilsonite (Lost Circulation Additive)

Fluid Weight 10.700 lbm/gal
Slurry Yield: 2.917 ft³/sk
Total Mixing Fluid: 17.263 Gal/sk
Top of Fluid: 3575 ft
Calculated Fill: 3293 ft
Volume: 247.452 bbl
Calculated Sacks: 476.292 sks
Proposed Sacks: 480 sks

Fluid 6: Tuned Light RS1

TUNED LIGHT (TM) SYSTEM

Fluid Weight 11.500 lbm/gal

HALLIBURTON

0.2 % Super CBL (Expander)
0.2 % HR-5 (Retarder)

Slurry Yield: 3.208 ft³/sk
Total Mixing Fluid: 18.558 Gal/sk
Top of Fluid: 6868 ft
Calculated Fill: 4275 ft
Volume: 241.355 bbl
Calculated Sacks: 422.416 sks
Proposed Sacks: 425 sks

Fluid 7: Water Based Spacer
Clay Fix II
0.1 gal/bbl Clayfix II (Clay Control)

Fluid Density: 8.400 lbm/gal
Fluid Volume: 259.050 bbl

Well name:

Brundage / Lake Canyon General

Operator: **Bill Barrett Corporation**

String type: Surface

Location: Duchesne County, UT

Design parameters:

Collapse

Mud weight: 8.60 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface

pressure: 303 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 468 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.10

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.80 (J)

Premium: 1.80 (J)

Body yield: 1.80 (B)

Tension is based on buoyed weight.

Neutral point: 655 ft

Environment:

H2S considered? No

Surface temperature: 70.00 °F

Bottom hole temperature: 79 °F

Temperature gradient: 1.22 °F/100ft

Minimum section length: 750 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 8,500 ft

Next mud weight: 9.700 ppg

Next setting BHP: 4,283 psi

Fracture mud wt: 12.000 ppg

Fracture depth: 750 ft

Injection pressure 468 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (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.

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

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

Operator: **Bill Barrett Corporation**

String type: **Production**

Location: **Duchesne County, UT**

Design parameters:

Collapse

Mud weight: 9.70 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

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:

Design factor 1.10

Cement top: 2,000 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)

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 (ft ³)
1	9500	5.5	17.00	I-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 Pipe Body Yield	1000 lbs Joint Strength	Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs Pipe Body Yield	1000 lbs Joint Strength	Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs Pipe Body Yield	1000 lbs Joint Strength	Maximum Set Depth, feet			
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	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.



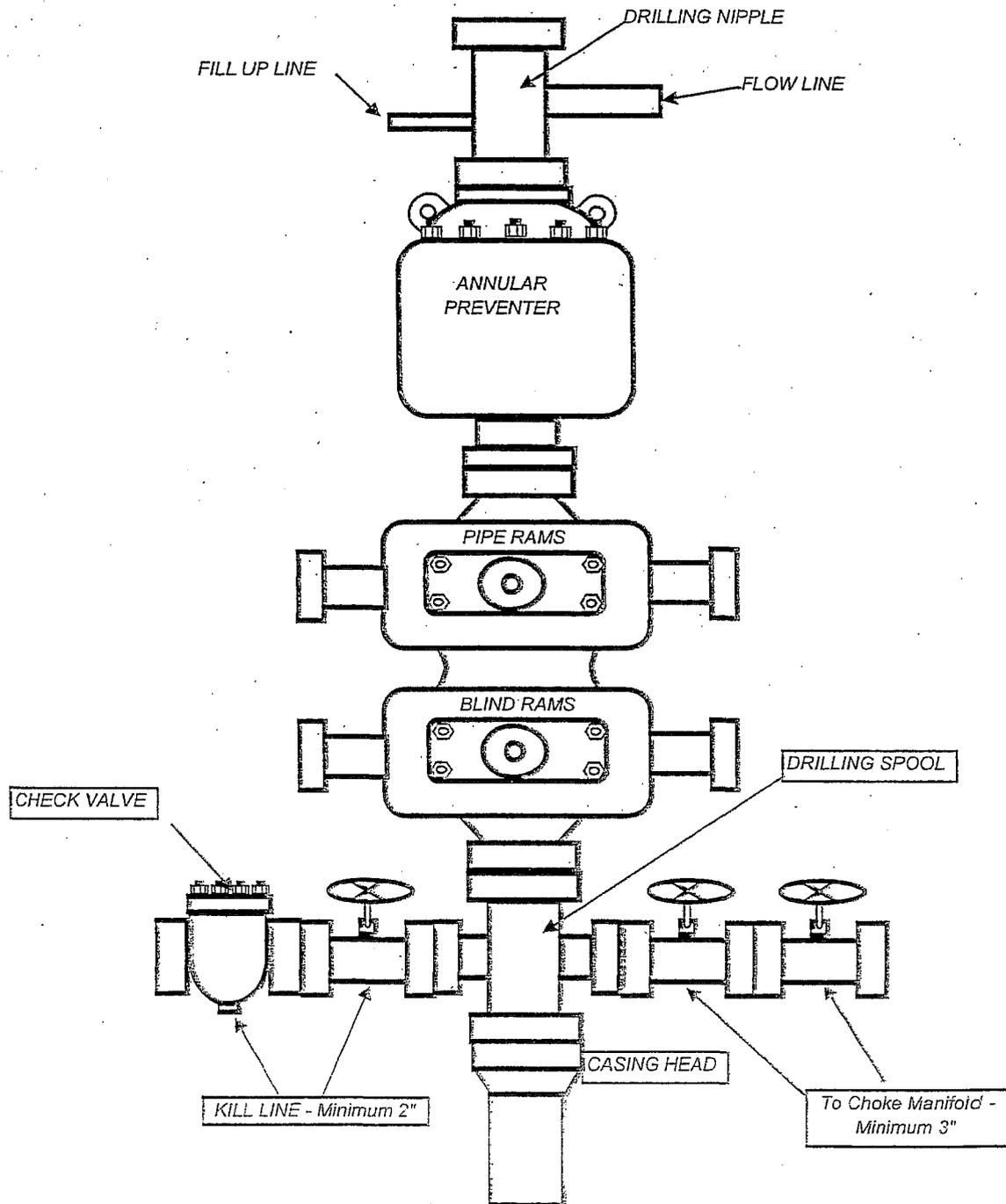
P.O. Box 18
Camanche, Iowa 52730
Phone: (563) 242-0000
Toll Free: 1-800-950-4772

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

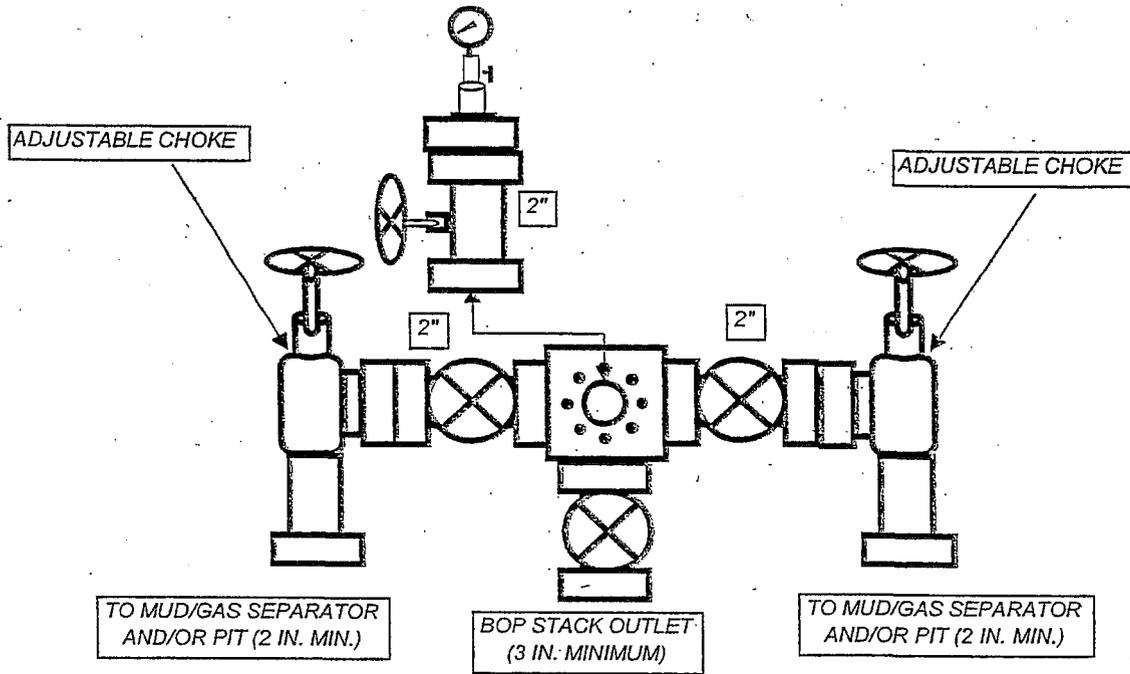
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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



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

1. Existing Roads:

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

The use of state and county roads under UDOT and Duchesne County Road Department maintenance is necessary to access the Project Area. Improvements to existing access roads will be noted in the site specific APD's.

2. Planned Access Roads:

Descriptions of the individual access road(s) will be included in the site specific APD and ROW application.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance with the Ute Indian Tribe.

3. Location of Existing Wells With-In A One-Mile Radius

Water wells – None.

Abandoned wells – (1) – NW/4, SE/4, Section 20, T4S, R6W.

Temporarily abandoned wells – None.

Disposal wells – None.

Drilling wells – None

Producing wells – (1) – SE/4, NW/4, Section 20, T4S, R6W.

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

The following guidelines will apply if the well is productive:

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

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will

be constructed of compacted subsoil, be impervious, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

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

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

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

6. **Source of Construction Materials:**

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

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

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

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

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

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

No water well will be drilled on this lease. Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W. The trucked water will follow the access route described in the plat package of each APD. Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

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

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

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

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

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

8. Ancillary Facilities:

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

9. Wellsite Layout:

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

10. Plans for Restoration of the Surface:

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

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett

Corporation (BBC) and Ute Indian Tribe. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be recontoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near as possible to its original line of flow.

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

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

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

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

If topsoil must be stored for more than one year:

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

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

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

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

Ute Indian Tribe shall be contacted for the required seed mixture. Seed will be drilled on the contour to an appropriate depth. If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

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

11. Surface Ownership

The well location and proposed access road route is located on The Ute Indian Tribe surface estate.

I hereby certify that Bill Barrett Corporation has reached an agreement with The Ute Indian Tribe for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof.

6/19/2008
Date

Reed Haddock
Reed Haddock – Permit Analyst
Bill Barrett Corporation

12. Other Information:

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

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

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

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

Travel will be restricted to approved travel routes.

OPERATOR CERTIFICATION

This drilling permit will be valid for a period of two (2) years from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

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



DATE: June 19, 2008

Reed Haddock
Permit Analyst

BBC Representatives:

Reed Haddock
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202
Phone: 303-312-8546
Fax: 303-291-0420

Scot Donato, Environmental Health and Safety; phone: (303) 312-8191
Mike Angus, Area Superintendent; phone: (435) 724-8016

Ute Indian Tribe Representatives:

Larry Love, Ute Indian Tribe, Energy and Mineral Department; phone: (435) 725-4950; cell: (303) 476-1445
Bruce Pargeets, Ute Indian Tribe, Energy and Minerals Department; phone: (435) 725-4950; cell: (435) 828-7032

BILL BARRETT CORPORATION
#7-19-46 DLB
SECTION 19, T4S, R6W, U.S.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM DUCHESNE, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 8.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #4-6-56 TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE #4-6-56 AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #15-31-46 TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE #15-31-46 AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #8-31-46 TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #M-19-46 TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE LC TRIBAL #1-30D-46 TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF AN EXISTING 2-TRACK TO THE NORTHWEST; TURN RIGHT AND PROCCED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED WELL LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 23.2 MILES.

BILL BARRETT CORPORATION

#7-19-46 DLB

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 19, T4S, R6W, U.S.B.&M.

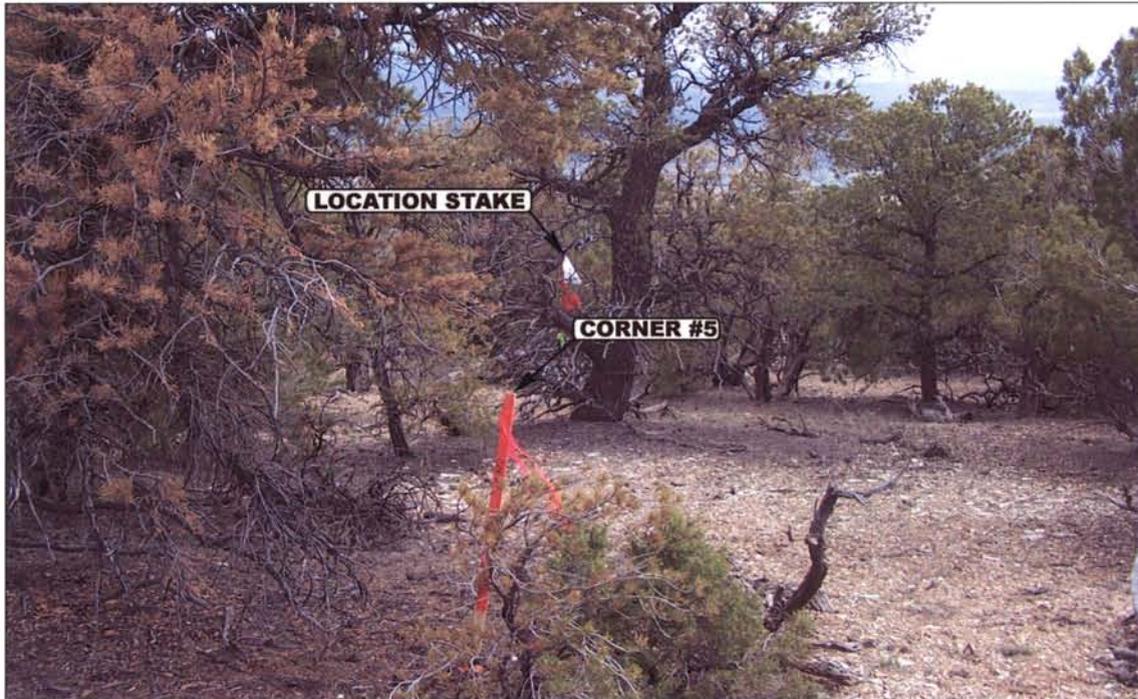


PHOTO: VIEW FROM CORNER 5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS

05 20 08
MONTH DAY YEAR

PHOTO

TAKEN BY: S.H.

DRAWN BY: S.L.

REVISED: 00-00-00

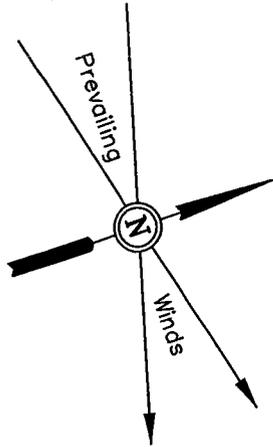
BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

#7-19-46 DLB
SECTION 19, T4S, R6W, U.S.B.&M.
1996' FNL 1786' FEL

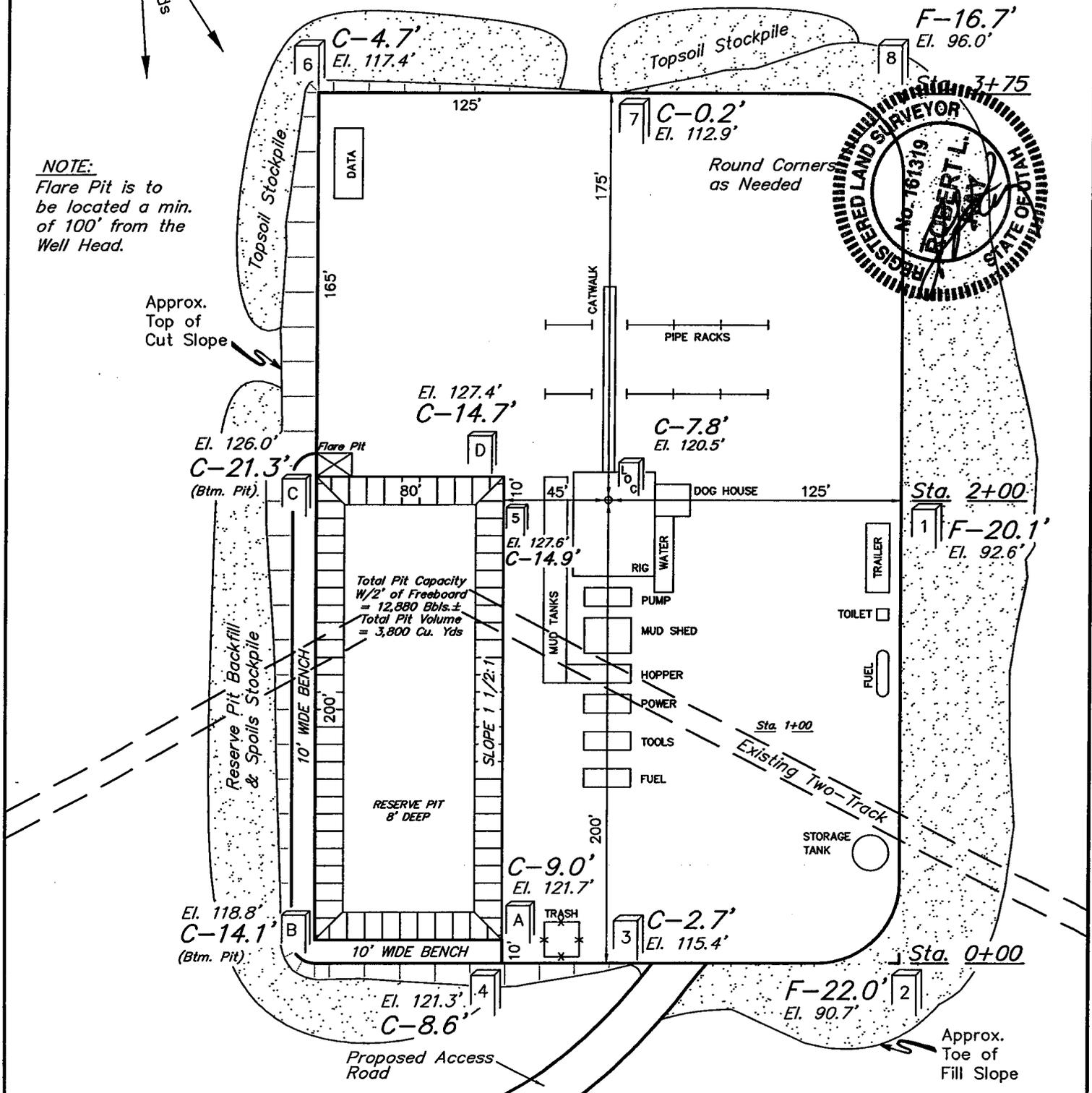
FIGURE #1

SCALE: 1" = 60'
DATE: 05-13-08
DRAWN BY: C.C.



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

Approx. Top of Cut Slope



Proposed Access Road

Approx. Toe of Fill Slope

Elev. Ungraded Ground at Location Stake = 7120.5'
Elev. Graded Ground at Location Stake = 7112.7'

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

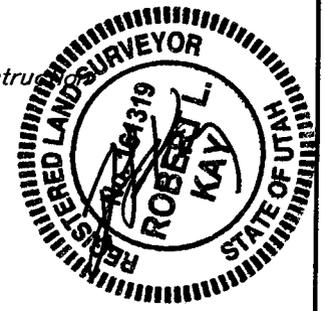
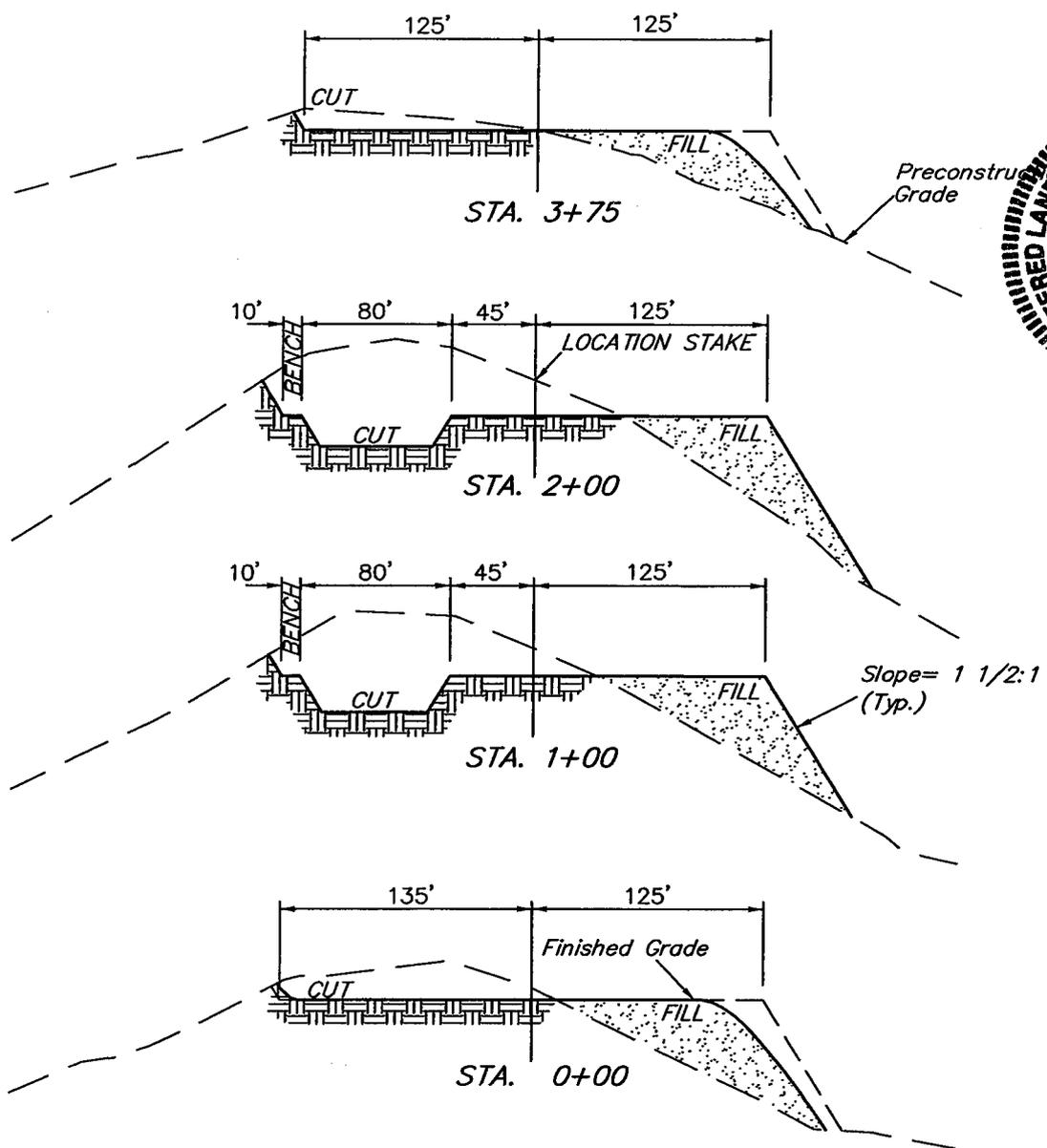
BILL BARRETT CORPORATION
TYPICAL CROSS SECTIONS FOR

FIGURE #2

X-Section
 Scale
 1" = 100'

#7-19-46 DLB
 SECTION 19, T4S, R6W, U.S.B.&M.
 1996' FNL 1786' FEL

DATE: 05-13-08
 DRAWN BY: C.C.



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

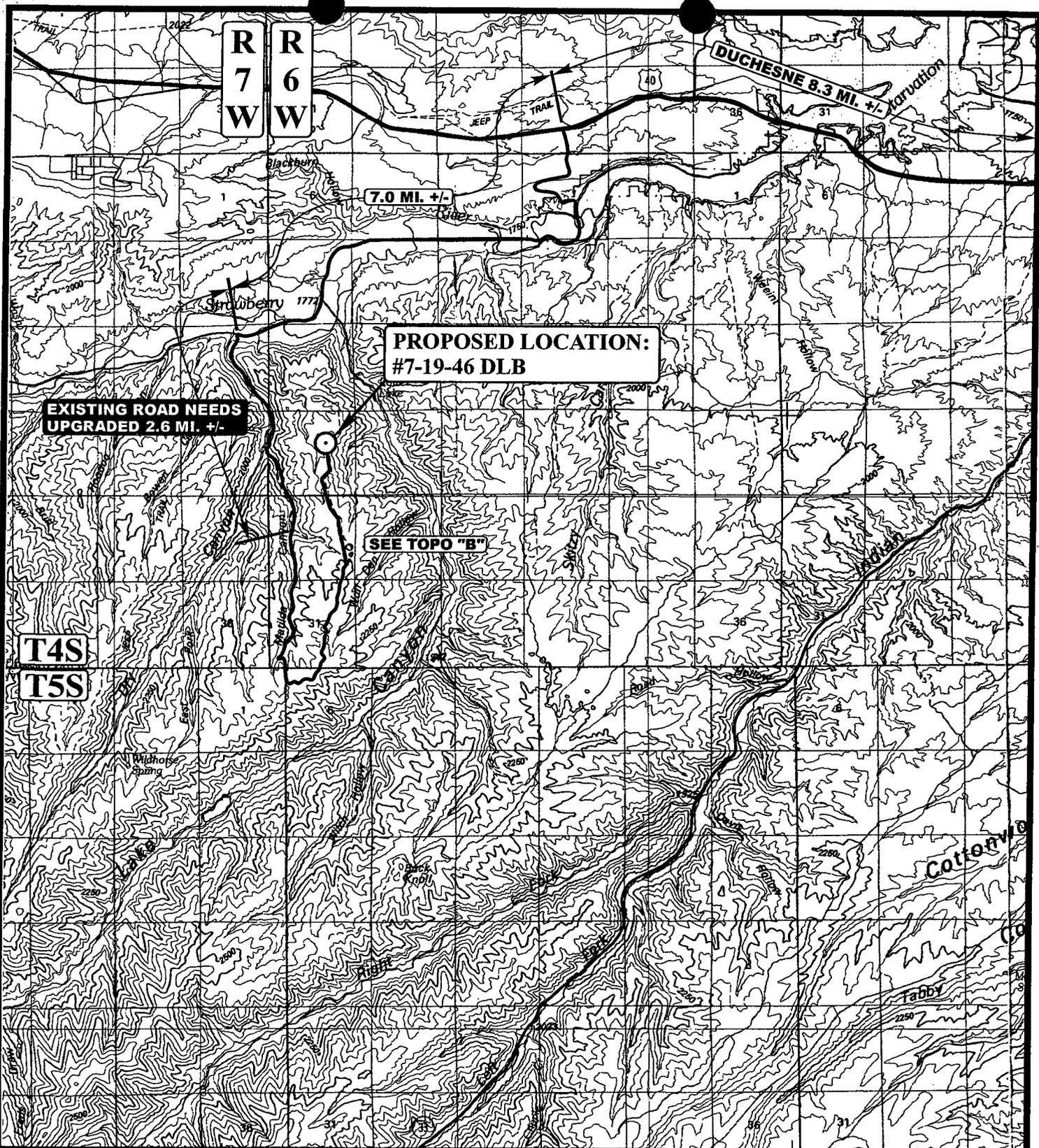
*** NOTE:**
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 4,860 Cu. Yds.
Remaining Location	= 23,770 Cu. Yds.
TOTAL CUT	= 28,630 CU.YDS.
FILL	= 21,870 CU.YDS.

EXCESS MATERIAL	= 6,760	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 6,760	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0	Cu. Yds.

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



LEGEND:

⊙ PROPOSED LOCATION



BILL BARRETT CORPORATION

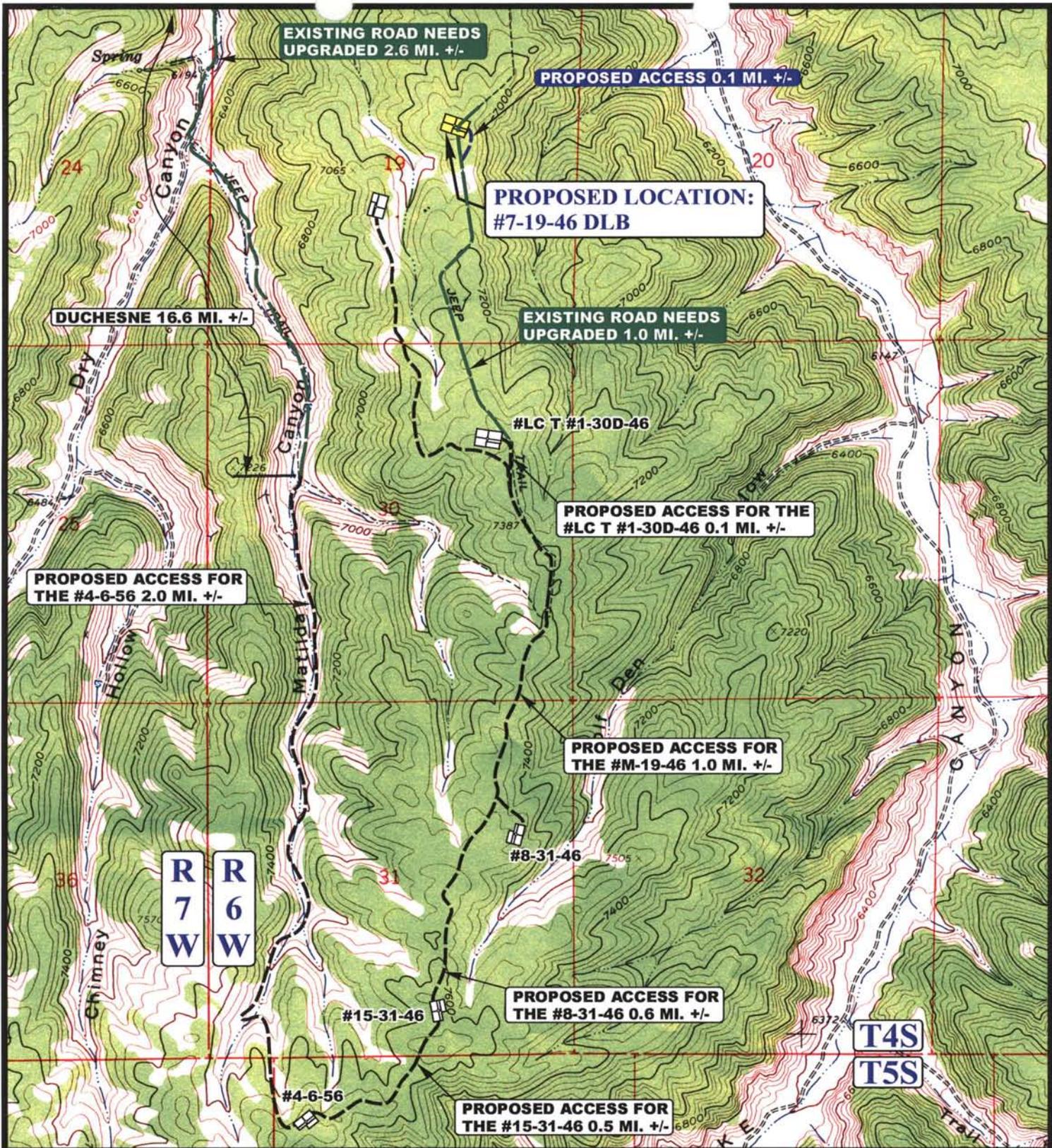
#7-19-46 DLB
SECTION 19, T4S, R6W, U.S.B.&M.
1996' FNL 1786' FEL



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

TOPOGRAPHIC MAP
05 20 08
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: S.L. REVISED: 00-00-00





LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED

BILL BARRETT CORPORATION

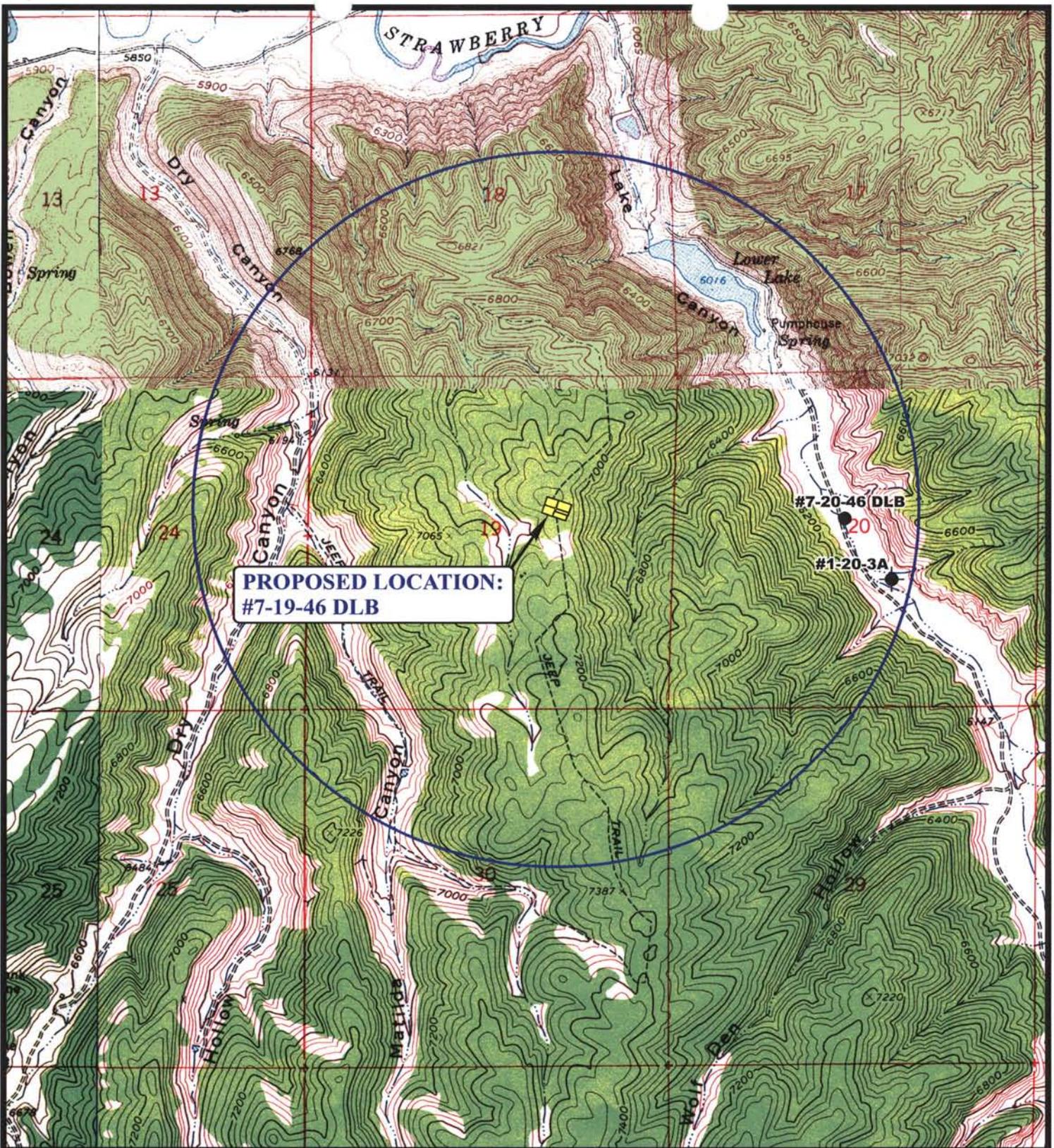
#7-19-46 DLB
SECTION 19, T4S, R6W, U.S.B.&M.
1996' FNL 1786' FEL



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

TOPOGRAPHIC 05 20 08
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: S.L. REVISED: 00-00-00





**PROPOSED LOCATION:
#7-19-46 DLB**

LEGEND:

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



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

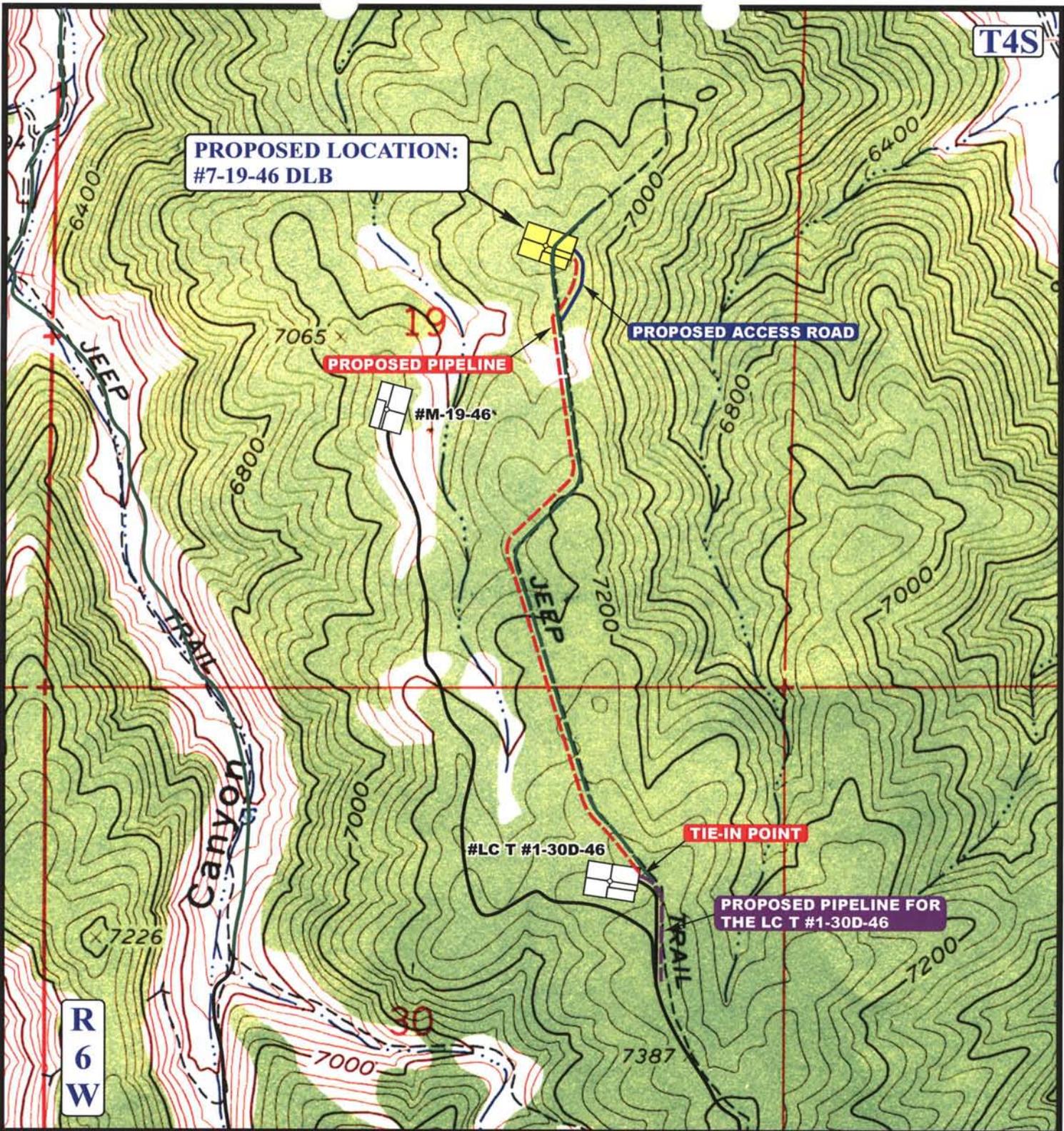


BILL BARRETT CORPORATION

#7-19-46 DLB
SECTION 19, T4S, R6W, U.S.B.&M.
1996' FNL 1786' FEL

TOPOGRAPHIC MAP **05 2008**
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: S.L. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 5124' +/-

LEGEND:

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



BILL BARRETT CORPORATION

#7-19-46 DLB
 SECTION 19, T4S, R6W, U.S.B.&M.
 1996' FNL 1786' FEL



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

TOPOGRAPHIC MAP
 05 20 08
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: S.L. REVISED: 00-00-00



Bill Barrett Corporation
Drilling Program
7-19-46 DLB
Duchesne County, Utah

HAZARDOUS MATERIAL DECLARATION

WELL NO. # 7-19-46 DLB – BIA CONTRACT NO. 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.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/23/2008

API NO. ASSIGNED: 43-013-34004

WELL NAME: 7-19-46 DLB
 OPERATOR: BILL BARRETT CORP (N2165)
 CONTACT: REED HADDOCK

PHONE NUMBER: 303-312-8546

PROPOSED LOCATION:

SWNE 19 040S 060W
 SURFACE: 1996 FNL 1786 FEL
 BOTTOM: 1996 FNL 1786 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.12020 LONGITUDE: -110.6015
 UTM SURF EASTINGS: 533956 NORTHINGS: 4440964
 FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
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. Sediment Approval
 2. Spacing Strip

T4S R7W T4S R6W

ALTAMONT FIELD

7-19-46 DLB

BHL
5-20-46 DLB

19

UTE TRIBAL 1-19

OPERATOR: BILL BARRETT CORP (N2165)

SEC: 19 T.4S R. 6W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



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

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



PREPARED BY: DIANA MASON
DATE: 25-JUNE-2008



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 25, 2008

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

Re: 7-19-46 DLB Well, 1996' FNL, 1786' FEL, SW NE, Sec. 19, 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 43-013-34004.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Bill Barrett Corporation

Well Name & Number 7-19-46 DLB

API Number: 43-013-34004

Lease: 14-20-H62-5500

Location: SW NE Sec. 19 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 office (801) 733-0983 home

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. 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.



July 2, 2008

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

43-013-34004

7-19-46 DLB
Tribal Surface/Tribal Minerals
SWNE, Section 19-T4S-R6W
Duchesne County, Utah

Diana Mason, Environmental Scientist I:

Enclosed please find a copy of Montgomery Archeological Consultants Class III archeological survey for this location. The report, MOAC Report No. 08-160, dated June 25, 2008, states, "no cultural resources" were found. Also, please find a copy of EIS Environmental and Engineering Consulting survey for this location. The report, "Threatened, Endangered, Candidate, and Sensitive Species Survey" dated June 17, and 19, 2008 found no threatened or endangered species.

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
JUL 07 2008
DIV. OF OIL, GAS & MINING

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

CULTURAL RESOURCE INVENTORY OF
BILL BARRETT CORPORATION'S PROPOSED
7-19-46 DLB AND 7-30-46 DLB WELL LOCATIONS
(T4S, R6W, SECTIONS 19 AND 30)
DUCHESNE COUNTY, UTAH

CULTURAL RESOURCE INVENTORY OF
BILL BARRETT CORPORATION'S PROPOSED
7-19-46 DLB AND 7-30-46 DLB WELL LOCATIONS
(T4S, R6W, SECTIONS 19 AND 30)
DUCHESNE COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

Ute Indian Tribe
Uintah and Ouray Agency

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 08-160

June 25, 2008

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0556i

Ute Tribal Permit No. A08-363

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants, Inc. (MOAC) in June 2008 for Bill Barrett Corporation's (BBC) proposed well locations #7-19-46 DLB, and #7-30-46 DLB with associated access/pipeline corridors. The project area is located between Lake Canyon and Matilda Canyon, southwest of the town of Duchesne, Duchesne County, Utah. The survey was implemented at the request of Mr. Reed Haddock, Bill Barrett Corporation, Denver, Colorado. The project is situated on Ute Tribal land (Uintah and Ouray Agency).

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and the Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on June 19, 2008 by Mark Lane (Field Supervisor). Prior to the survey, MOAC acquired permission from Bruce Pargeets (Ute Energy & Minerals Technician Supervisor) to proceed. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 08-UT-60122, State of Utah Antiquities Permit (Survey) No. U-08-MQ-0556i, and Ute Tribal Permit No. A08-363 issued to Montgomery Archaeological Consultants, Moab, Utah.

A file search for previous archaeological projects and cultural resources was conducted by Marty Thomas at the Division of State History, Salt Lake City, on June 13, 2008. This consultation indicated that several cultural resource inventories have been conducted in the vicinity of the current project area. In 2005, MOAC completed an inventory of Bill Barrett Corporation's Lake Canyon 3D seismic program (Montgomery and Freudenberg 2005). The inventory resulted in the documentation of seven historic sites (42Dc2035-42Dc2041) consisting of homesteads, habitations, a temporary camp, and trash scatters; none of which occur within the current project area. In 2006, MOAC conducted a cultural resource inventory of Bill Barrett Corporation's seven proposed Lake Canyon well locations, which resulted in the documentation of no sites (Montgomery 2006). In 2006, URS Corporation performed an intensive cultural resource inventory of approximately 800 acres for Berry Petroleum Corporation in the Lake Canyon area (Tucker 2007). The inspection resulted in the documentation of the historic Deerhorn No. 1 Gilsonite Mine (42Dc2260) situated along BBC's proposed upgraded road that leads into the current project area. This site is evaluated as eligible to the NRHP under Criterion A. In 2007, MOAC inventoried BBC's five proposed well locations in Township 4S, Range 6W Sections 20 and 21 resulting in no cultural resources (Jendresen 2007). In 2007, An Independent Archaeologist (AIA) surveyed Lake Canyon Tribal M-19D-46 well location in Township 4S, Range 6W Sections 19 and 30; no cultural resources were located (Truesdale 2007a). During the same year, AIA inventoried Lake Canyon Tribal #9-30D-46 well location in Township 4S, Range 6W Section 30 resulting in no cultural resources (Truesdale 2007b).

DESCRIPTION OF PROJECT AREA

The project area lies between Lake Canyon and Matilda Canyon, south of the Strawberry River, in Duchesne County, Utah. The legal description is Township 4 South, Range 6 West, Sections 19 and 30 (Figure 1, Table 1). Bill Barrett Corporation proposed to upgrade an existing road extending from Dry Canyon to Matilda Canyon. This route was previously inventoried by URS Corporation in 2006 at which time a historic mine (42Dc2260) was documented (Tucker 2007).

Table 1. BBC's Two Proposed Well Locations

Well Designation	Legal Location	Access/Pipeline	Cultural Resources
#7-19-46 DLB	T4S, R6W, SW/NE Section 19	Access: 3784 ft Pipeline: 5027 ft	None
#7-30-46 DLB	T4S, R6W, NW/NE Section 30	Access: 1298 ft Pipeline: 1195 ft	None

Environmental Setting

The project area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, and is the northernmost extension of the Colorado Plateau. Geologically, the area consists of the Tertiary age Uinta formation, which is basically "gravel, sand and silt washed south off the Uinta Mountains" (Chronic 1990:45). The area is characterized by steep-sided narrow ridges and benches dissected by intermittent drainages. Outcrops of the Uinta formation are characterized by a dense dendritic drainage pattern and topographic relief. This Eocene-age formation occurs as fluvial deposited interbedded sandstone and mudstone and is well-known for its fossil vertebrates.

Specifically, the project area lies along a ridge system between Lake Canyon and Matilda Canyon, south of the Strawberry River. The elevation of the inventory areas ranges from 7,080 to 7440 ft asl. The project area is in the Upper Sonoran lifezone, and vegetation communities include the pinyon-juniper woodland, sagebrush, rabbitbrush, shadscale, cheatgrass, Indian ricegrass, prickly pear, hedgehog yucca, Indian paintbrush, and barrel cactus. Modern impacts include ranching activities, roads, recreational activities, and oil and gas development.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At the proposed well locations a 10 acre parcel was identified, centered on the well pad center stake. The location was then surveyed by the archaeologist walking parallel transects spaced no more than 10 m (33 ft) apart. The proposed pipeline/access corridor was surveyed to a width of 30 m (100 ft) employing the same methods. Ground visibility was considered good. A total of 47.3 acres was surveyed for cultural resources on Ute Tribal lands (Uintah and Ouray Agency). In addition, BBC proposes to upgrade an existing road extending from Dry Canyon to Matilda Canyon which was previously inventoried by URS Corporation in 2006; hence, no additional survey was required for this section of access.

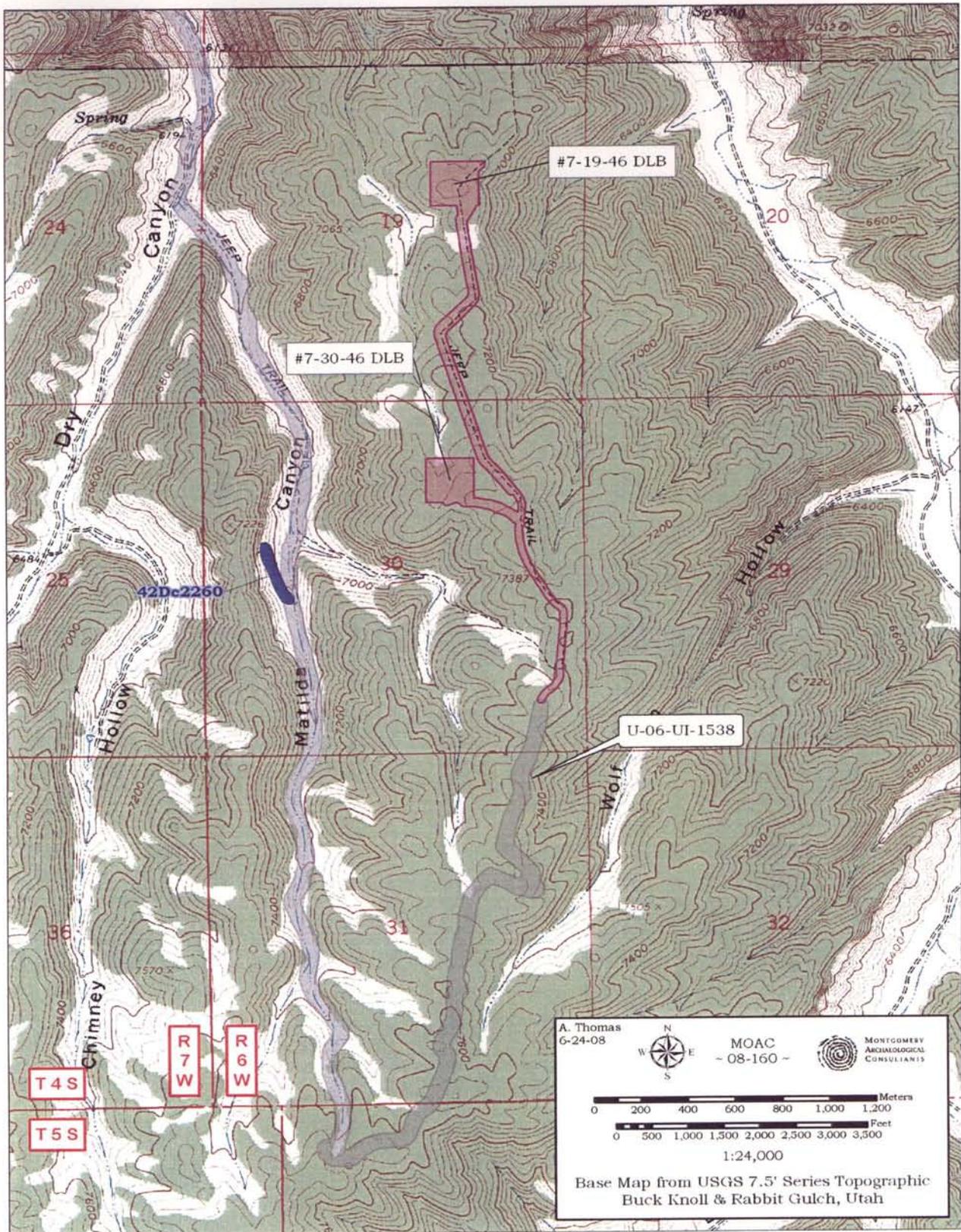


Figure 1. BBC's Proposed #7-19-46 DLB, and #7-30-46 DLB Well Locations, Duchesne County, Utah.

RESULTS AND RECOMMENDATIONS

The inventory of Bill Barrett Corporation's proposed #7-19-46 DLB, and #7-30-46 DLB well locations with associated access/pipeline corridors resulted in no cultural resources. However, a portion of the access road extending from Dry Canyon to Matilda Canyon is proposed for upgrading by BBC. This route was previously inventoried by URS Corporation in 2006 resulting in the documentation of a historic gilsonite mine (42Dc2260) in Township 4S, Range 6W Section 30 (Tucker 2007). This site is evaluated eligible to the NRHP under Criterion A (important to the history of the area). The improvement of the road beside this site will not alter the characteristics that qualifies site 42Dc2260 eligible to the NRHP. Therefore, based on this finding, a determination of "no adverse impact" is recommended for the undertaking pursuant to Section 106, CFR 800.

REFERENCES CITED

- Chronic, H.
1990 *Roadside Geology of Utah*. Mountain Press, Missoula, Montana.
- Jendresen, A.
2007 Cultural Resource Inventory of Bill Barrett Corporation's Five Proposed DLB Well Locations (T4S, R6W, Sections 20, 21, and 28), Duchesne County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-07-MQ-0384.
- Montgomery, J.A.
2006 Cultural Resource Inventory of Bill Barrett Corporation's Proposed Seven Lake Canyon Well Locations in Duchesne County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-06-MQ-1655.
- Montgomery, J.A., and K. Freudenberg
2005 Cultural Resource Inventory of Bill Barrett Corporation's Lake Canyon 3D Seismic Program, Duchesne County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-05-MQ-0365i,s,p.
- Stokes, W.L.
1986 *Geology of Utah*. Utah Museum of Natural History and Utah Geological and Mineral Survey. Salt Lake City.
- Truesdale, J.A.
2007a Cultural Resource Inventory of Berry Petroleum's Lake Canyon Tribal #M-19D-46 Well Location, Duchesne County, Utah. An Independent Archaeologist, Laramie, Wyoming. Report No. U-07-AY-951.
- 2007b Cultural Resource Inventory of Berry Petroleum's Lake Canyon Tribal #9-30D-46 Well Location, Duchesne County, Utah. An Independent Archaeologist, Laramie, Wyoming. Report No. U-07-AY-951.
- Tucker, G.C.
2007 Lake Canyon Project, Duchesne County, Utah: Results of an Intensive Cultural Resource Inventory. URS Corporation, Denver. Report No. U-06-UI-1538.

**BILL BARRETT CORPORATION
2008 BLACK TAIL RIDGE DRILLING PROJECT**

**THREATENED, ENDANGERED, CANDIDATE, AND SENSITIVE SPECIES
INVENTORY**

CONDUCTED

June 17 and June 19, 2008

By,

EIS Environmental and Engineering Consulting

31 North Main Street * Helper, Utah 84526

Office - (435) 472-3814 * Toll free - (800) 641-2927 * Fax - (435) 472-8780

eisec@preciscom.net

Bill Barrett Corporation 2008 Black Tail Ridge Drilling Project

Threatened, Endangered, Candidate, and Sensitive Species Inventory

INTRODUCTION

Bill Barrett Corporation (BBC) has contracted EIS Environmental & Engineering Consulting to conduct Threatened, Endangered, Candidate, and Sensitive (TECS) surveys for their 2008 Black Tail Ridge Drilling Project. The proposed areas are located southwest of Duchesne, Utah in Dry Canyon and Bowen Canyon. This area consists of land administered by the Ute Ouray Indian Tribe and BBC. Proposed activities include the drilling of 7 wells numbered 7-19-46, 7-30-46, 15-23-47, 5-25-47, 7-26-47, 5-25-36 and 14-26-47. These proposed well locations are required to be surveyed for a variety of TECS plant and animal species. Several TECS species have been identified by the USFW as occurring, or potentially occurring within Duchesne County. Using established protocols; qualified Field Biologists of EIS conducted TECS surveys for several proposed TES Species (Table 1) at the area of concern. The survey for this Project was conducted on June 17 and June 19, 2008.

SURVEY PROTOCOL

Inventory work on the Project Area was conducted on June 17 and 19, 2008. A walkover of the corridor was conducted. Derris Jones (Field Biologist), Nedra Swasey (Field Technician), and Jessica Bonuales (Field Technician) rode on horses to the proposed drilling sites where they did an inventory of the plant life along the access roads and well sites for the wells at 7-19-46, 7-30-46, 5-25-47, and 7-26-47. Matthew Serfustini (Field Biologist) and Arthur VanValkenburg (Field Technician) walked alongside of the main road up Dry Canyon and Bowen Canyon, as well as the access road and well pad areas of 15-23-47 and 14-26-47. Habitat present was noted, as was the general topography, and weather conditions. For inventory purposes, a buffer area of approximately 100 feet was surveyed. Corridors were walked using a zigzagged route rather than walking straight lines on either side, to better cover the area in question.

On June 19, 2008, Melvin Coonrod (Field Biologist), Jessica Bonuales (Field Technician), and Arthur VanValkenburg (Field Technician) conducted a survey of the well pad 5-25-36 and the access road. The area was covered by walking in transects across the area. Habitat conditions were noted and photographed.

If target species were located, field personnel would flag the location, collect voucher specimens, mark the location on a quad-map or GPS the location, and take a photograph of the species and habitat.

**Table 1 –
List Of Threatened, Endangered, Candidate, And Sensitive Species**

Symbol Definition Status:

T – Threatened, S – Sensitive, E – Endangered, C – Candidate

Common Name	Scientific Name	Status
Bald eagle	<i>Haliaeetus leucocephalus</i>	E
Barneby ridge-cress	<i>Lepidium barnebyanum</i>	E
Black-footed ferret	<i>Mustela nigripes</i>	E Extirpated
Bluehead Sucker	<i>Catostomus discobolus</i>	C
Bonytail	<i>Gila elegans</i>	E
Canada lynx	<i>Lynx Canadensis</i>	T
Clay thelypody	<i>Schoenocrambe argillacea</i>	T
Colorado pikeminnow	<i>Ptychocheilus lucius</i>	E
Colorado River cutthroat trout	<i>Oncorhynchus clarkii pleuriticus</i>	C
Duchesne Greenthread	<i>Thelesperma pubescens</i>	
Flannelmouth sucker	<i>Catostomus latipinnis</i>	C
Flowers penstemon	<i>Penstemon flowersii</i>	
Goodrich penstemon	<i>Penstemon Goodrichii</i>	S
Goodrich's blazing star	<i>Mentzelia goodrichii</i>	S
Graham beardtongue	<i>Penstemon grahamii</i>	C
Humpback chub	<i>Gila cypha</i>	E
Northern goshawk	<i>Accipiter gentiles</i>	C
Pariette cactus	<i>Sclerocactus brevispinus</i>	
Razorback sucker	<i>Xyrauchen texanus</i>	E
Roundtail chub	<i>Gila robusta</i>	C
Shrubby reed mustard	<i>Schoenocrambe suffrutescens</i>	E
Uinta basin hookless cactus	<i>Sclerocactus glaucus</i>	T
Untermann Daisy	<i>Erigeron untermannii</i>	T
Ute Ladies tresses	<i>Spiranthes diluvialis</i>	T
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	C

HABITAT FOR TRIBAL SPECIES LIST

Bald eagle (*Haliaeetus leucocephalus*) During the breeding season bald eagles are closely associated with water, along coasts, lakeshores, and/or riverbanks. During the winter bald eagles tend to concentrate wherever food is available. This usually means open water where fish and waterfowl can be caught. They also winter on more upland areas feeding on small mammals and deer carrion. At winter areas, bald eagles commonly roost in large groups. These communal roosts are located in forested stands that provide protection from harsh weather.

Through annual surveys completed by the Utah Division of Wildlife Resources (UDWR) no bald eagles are known to nest in Duchesne County, they can often be found near lakes and reservoirs, as well as within upland areas within the area between late fall and early spring. The Green River, approximately 30 miles to the east of the Project Area, is known to be a winter concentration area supporting up to 30 individuals. Bald eagles are infrequent winter residents of this area.

Barneby ridge-cress (*Lepidium barnebyanum*) Areas suspected to contain potential habitat for Barneby peppergrass consist of white shale outcrops on the Uinta formation in pinyon-juniper (mainly on ridge crests) between 6,200 and 6,500 feet elevation, flowering from May to June.

Black-footed Ferret (*Mustela nigripes*) The relationship between black-footed ferrets and prairie dogs has long been known. Black-footed ferrets live in the burrows made by prairie dogs and probably exploit these rodents as their major food source. The high biomass of potential prey species and the abundance of burrows are equally important factors in attracting black-footed ferrets to this habitat.

Bluehead Sucker (*Catostomus discobolus*) The bluehead sucker is a benthic (bottom dwelling) species with a mouth modified to scrape algae (the primary food of the bluehead sucker) from the surface of rocks. Members of the species spawn in streams during the spring and summer. Fast flowing water in high gradient reaches of mountain rivers has been identified as important habitat for bluehead sucker. The bluehead sucker is native to parts of Utah, Idaho, Arizona, New Mexico, and Wyoming. Specifically, the species occurs in the upper Colorado River system, the Snake River system, and the Lake Bonneville basin.

Bonytail (*Gila elegans*) Historically bonytail chubs exist throughout the Colorado River drainage. Recently, isolated captures of bonytail chubs have been made in the Colorado River basin but recruitment to the population is extremely low or nonexistent. The decline of the bonytail chub is attributed to dam construction and associated water temperature changes. Other factors contributing to the reduced numbers include flow depletion, hybridization, stream alterations associated with dam construction, and the introduction of non-native fish species. The bonytail chub is an omnivore, feeding mostly on terrestrial insects, plant debris and algae and begins to spawn at five to seven years of age.

Canada lynx (*Lynx canadiensis*) In the western States lynx live in spruce/fir forests at high elevations.

Clay thelypody (*Schoenocrambe argillacea*) Lives in mixed desert shrub communities of shadscale, Indian ricegrass and pygmy sagebrush species on the lower Uinta and upper Green River Shale formations at 5,000-5,650 feet elevation, flowering from May-early June.

Colorado Pike Minnow (*Ptychocheilus lucius*) The Colorado pike minnow had a historic range from Green River, Wyoming to the Gulf of California, but the species is now confined to the Upper Colorado River basin mainstream and larger tributaries. The Lower Green River between the Price and San Rafael Rivers is known to contain an abundant population of this species. The species decline can be attributed to direct loss of habitat, changes in water flow and temperature, blockage of migrations, and interactions with introduced fish species. Colorado pike minnow adults are thought to prefer deepwater eddies and pools or other areas adjacent to the main water current, whereas the young inhabit shallow, quiet backwaters adjacent to high flow areas. This species feeds on invertebrates while young but gradually become piscivorous after one year.

Colorado River Cutthroat Trout (*Oncorhynchus clarkia pleuriticus*) Colorado cutthroat trout require cool, clear water in streams with well vegetated banks, which provides cover and bank stability. Deep pools and structures such as boulders and logs provide instream cover. This species is believed to have formerly been widespread in lakes, rivers, and streams in Utah, however now it is limited to isolated headwater streams and other rigorous environments where other species such as rainbow trout and Yellowstone cutthroat trout have not been introduced.

Duchesne Greenthread (*Thelesperma pubescens* Dorn var. *caespitosum*) Areas suspected to contain potential habitat for Duchesne Greenthread are the white shale slopes and ridges of the Green River Formation at around 5,900 feet elevation.

Flannelmouth Sucker (*Catostomus latipinnis*) Flannelmouth suckers are benthic (bottom dwelling) fish that primarily eat algae, although invertebrates and many types of plant matter are also consumed. The species spawns in streams over gravelly areas during the spring and early summer. Flannelmouth suckers prefer large rivers, where they are often found in deep pools of slow flowing, low gradient reaches. The flannelmouth sucker is native to the Colorado River system of the western United States and northern Mexico. In Utah, the species occurs in the main-stem Colorado River, as well as in many of the Colorado River's large tributaries. Flannelmouth suckers are usually absent from impoundments.

Flowers penstemon (*Penstemon flowersii*) Areas suspected to contain Flowers penstemon are shadscale and salt desert communities at 5,000 to 5,400 feet elevation in clay badlands. Flowering from May to June.

Goodrich penstemon (*Penstemon goodrichii*) Areas suspected to contain potential habitat for Goodrich Penstemon consist of blue-gray to reddish, clay impregnated badlands of the Duchesne River formation in shadscale and juniper-mountain mahogany communities at 5,590 to 6,215 feet elevation. Flowering from late May through June.

Goodrich's blazing star (*Mentzelia goodrichii*) Areas suspected to contain potential habitat for Goodrich's blazing star consist of steep, white, marly calciferous shale of the Green River Formation and along escarpment of Willow and Argyle canyons, at 8,100 - 8,800 feet, in Duchesne County in scattered

limber and pinyon pine, Douglas-fir, mountain mahogany, and rabbitbrush communities at 8,100 - 8,800 feet elevation, July - August.

Graham beardtongue (*Penstemon grahamii*) Areas suspected to contain potential habitat for Graham beardtongue consist of sparsely vegetated desert shrub and pinyon-juniper communities on shale talus knolls between 4,600 and 6,700 feet elevation, flowering from May to mid June.

Humpback Chub (*Gila cypha*) The humpback chub is believed to have inhabited all of the large rivers of the upper Colorado River basin and canyons of the lower Colorado River basin. Presently the humpback chub can be located in and above the Grand Canyon, Arizona, and the major tributaries to the Colorado River. The states stream alteration, including dewatering, dams and channelization, are factors causing the decline of the species. The humpback chub normally lives adjacent to high velocity flows, where they consume plankton and small invertebrates.

Northern Goshawk (*Accipiter gentiles*) Northern goshawks are found in variety of forest habitat types that are generally mature stands with complex structures that provide certain habitat characteristics including: 1) multiple canopy levels with high canopy closure, 2) relatively open understories, snags and downed woody debris, 3) small openings, and 4) a surface water source.

Pariette cactus (*Sclerocactus brevispinus*) Grows in Saline and alkaline soils in clay badlands in Duchesne and Uintah Counties of Utah.

Razorback sucker (*Xyrauchen texanus*) Historic distribution of the razorback sucker was mainly along the mainstream of the Colorado, Green and San Juan Rivers. They presently only occur in a portion of their former range in these rivers and are normally found in water four to ten feet deep with area of strong currents and backwaters. The razorback sucker feeds on small invertebrates, and animals and organic debris on the river bottom. Behnke and Benson (1980) link the decline of the razorback sucker to the land and water uses, particularly dam construction and the associated change in flow regimes and river channel characteristics.

Roundtail Chub (*Gila robusta*) Roundtail chub eat terrestrial and aquatic insects, mollusks, other invertebrates, fishes, and algae. The species spawns over areas with gravel substrate during the spring and summer. Eggs are fertilized in the water, and then drop to the bottom where they adhere to the substrate until hatching about four to seven day later. The roundtail chub is a fairly large minnow native to the Colorado River system of the western United States. The species prefers large rivers, and is most often found in murky pools near strong currents in the main-stem Colorado River, and in the Colorado River's large tributaries.

Shrubby reed-mustard (*Schoenocrambe suffrutescens*) Areas suspected to contain potential habitat for shrubby reed-mustard consist of calcareous shale of the Green River Shale formation in shadscale, pygmy sagebrush, mountain mahogany, juniper, and other mixed desert shrub communities between 5,400 and 6,000 feet elevation, flowering from May to mid August.

Uinta Basin hookless cactus (*Sclerocactus glaucus*) The Uinta Basin hookless cactus is known to occur in Duchesne, Uintah, and northern Carbon counties. The cactus is found occupying gravelly hills and terraces on alluvium soils. They live in cold shrub communities between 4,700 and 6,000 feet in elevation. They flower between the months of May and June. The cactus has all straight

spines and the principle spine often arches upward.

Untermann daisy (*Erigeron untermanni*) This grows in pinyon-juniper communities, around mountain mahogany, limber and bristlecone pine and sagebrush communities on calcareous shales and sandstones of the Uinta and Green River Formations between 7,000 and 9,400 feet in elevation. It flowers from May until June.

Ute ladies tresses (*Spiranthes diluvialis*) Areas suspected to contain potential habitat for Ute ladies' tresses consist of areas along streams, bogs, and open seepage areas in cottonwood, tamarisk, willow, and pinyon-juniper communities between 4,400 and 6,810 feet elevation, flowering from late July to September.

Yellow-billed cuckoo (*Coccyzus americanus*) Yellow-billed cuckoos are considered a riparian obligate and are usually found in large tracts of cottonwood/willow habitats with dense sub-canopies (below 10 m [33 ft]). Nesting habitat is classified as dense lowland riparian characterized by a dense sub-canopy or shrub layer (regenerating canopy trees, willows, or other riparian shrubs) within 100 m (333 ft) of water. Over story in these habitats may be either large, gallery-forming trees (10-27 m [33-90 ft]) or developing trees (3-10 m [10-27 ft]), usually cottonwoods. Nesting habitats are found at low to mid-elevations (750-1820 m [2500-6000 ft]) in Utah. Cuckoos may require large tracts (40-80 ha [100-200 ac]) of contiguous riparian nesting habitat; however, cuckoos are not strongly territorial and home ranges may overlap during the breeding season.

RESULTS

The habitat of the well pads contained mostly pinyon pines, Indian paintbrush, mixed desert vegetation including several different types of grasses, with the main type of grass being Salina Wild rye. The habitat contained young to mature pinyon pine growth, as well as new growth from a recent fire (approximately two years worth). The soil was sandy with pebbles (see Attachment 2)

The vegetation for the well pad 14-26-47 included Cottonwood trees (both burnt and living), thistles, rabbit brush, daisies (non-TECS), cryptantha, cheat grass, squirrel tail bottle brush, and Salina wild rye. The ground was covered by 10% shrubs and 60% grasses. The soil was mostly sandy loam covered in 90% pebbles at 1-3% slopes. The access road leading to the site contained mostly the same habitat.

Well pad 15-23-47 contained mature pinyon pine and juniper growth as well as mountain mahogany, sagebrush, blue penstemon species (non-TECS), yellow daisies, some astragalus species, phlox, Indian paintbrush, rock cress, scarlet gilia, cryptantha, and various grasses. The soil was a sandy loam with 80% flat cobble, covered by about 50% trees at a slope between 0-10%. The access road had similar habitat.

Well pad 7-19-46 was covered in pinyon pine, opuntia, penstemon species, phlox, scarlet gilia, buckwheat, and poa species. Ground cover was 40%. The access road consisted of Douglas fir,

mountain mahogany, Wyoming sage, ephedra, rabbit brush, snowberry, elderberry, scarlet gilia, crepia, phlox, Indian ricegrass, cheatgrass, and Salina wild rye.

Well pad 7-26-47 contained pinyon and juniper, douglas rabbitbrush, horsebrush, fringe sage, musk thistle, elderberry, blue penstemon flowers, Indian paintbrush, cryptantha, phlox, Salina wild rye, and Indian rice grass. The access road contained second growth pinyon, horsebrush, buckwheat, cheatgrass, and Salina wild rye, with 10% crown cover of pinyon, and 30% basal cover.

The well pad 5-25-47 contained second growth pinyon from an old fire, and Salina wild rye. The road leading to it had mature pinyon/juniper growth, Douglas firs, scarlet gilia, and penstemons. The pad had 2% crown and Pinyon cover

The following are the results of the TECS species:

Bald eagle (*Haliaeetus leucocephalus*) Although the potential for Bald Eagle use within the Project Area is possible, the proposed project will not adversely impact bald eagle nest, forage or winter habitat. Therefore, the proposed project is not likely to directly or indirectly impact the bald eagle.

Barneby ridge-cress (*Lepidium barnebyanum*) No Barneby ridge-cress were found during the survey.

Black -footed Ferret (*Mustela nigripes*) A thorough survey of the proposed well pads and access roads did not reveal any burrows.

Bluehead Sucker (*Catostomus discobolus*) The habitat requirements for the bluehead sucker does not exist near the proposed well pads.

Bonytail (*Gila elegans*) The habitat requirements for the bonytail do not exist near the proposed well pads.

Canada lynx (*Lynx canadiensis*) Potential habitat for the Canada Lynx is not present within the Project Area; therefore no further inventories are warranted.

Clay thelypody (*Schoenocrambe argillacea*) No Clay thelypody were found during the TES inventory.

Colorado Pike Minnow (*Ptychocheilus lucius*) Habitat requirements for the Colorado pike minnow do not exist near the proposed well pads.

Colorado River Cutthroat Trout (*Oncorhynchus clarkia pleuriticus*) Habitat requirements for the Colorado River cutthroat trout do not exist near the proposed project area.

Duchesne Greenthread (*Thelesperma pubescens* Dorn var. *caespitosum*) No Duchesne Greenthread was found during the TES inventory.

Flowers penstemon (*Penstemon flowersii*) Areas suspected to contain Flowers penstemon are shadscale and salt desert communities at 5,000 to 5,400 feet in clay badlands. Neither the well pads or the roads are in clay badlands or salt desert; therefore suitable habitat does not exist. None were found.

Flannelmouth Sucker (*Catostomus latipinnis*) Habitat requirements for the flannelmouth sucker do not exist near the proposed project area.

Goodrich penstemon (*Penstemon goodrichii*) Areas suspected to contain potential habitat for Goodrich Penstemon consist of blue-gray to reddish, clay impregnated badlands of the Duchesne River formation in shadscale and juniper-mountain mahogany communities at 5,590 to 6,215 feet elevation. No blue-gray or reddish clay soil or badlands were in the survey area. None were found.

Goodrich's blazing star (*Mentzelia goodrichii*) Areas suspected to contain potential habitat for Goodrich's blazing star consist of steep, white, marly calciferous shale of the Green River Formation and along escarpment of Willow and Argyle canyons, at 8,100 to 8,800 ft, in Duchesne County in scattered limber and pinyon pine, Douglas-fir, mountain mahogany, and rabbitbrush communities at 8,100 - 8,800 feet elevation, July - August. Elevation of the proposed locations of the wells was too low. Suitable habitat does not exist. None were found during the survey.

Graham beardtongue (*Penstemon grahamii*) Areas suspected to contain potential habitat for Graham beardtongue consist of sparsely vegetated desert shrub and pinyon-juniper communities on shaley talus knolls between 4,600 and 6,700 feet elevation. No Graham beardtongues were found during the survey.

Humpback Chub (*Gila cypha*) The proposed well locations are not within humpback chub habitat.

Northern Goshawk (*Accipiter gentiles*) Potential habitat for the Northern goshawk is not present.

Pariette cactus (*Sclerocactus brevispinus*) Grows in Saline and alkaline soils in clay badlands in Duchesne and Uintah Counties of Utah. Suitable soil type is not in the area surveyed. None were found in the survey.

Razorback sucker (*Xyrauchen texanus*) The proposed well locations are not within razorback sucker habitat.

Roundtail Chub (*Gila robusta*) The proposed well locations are not within roundtail chub habitat.

Shrubby reed-mustard (*Schoenocrambe suffrutescens*) Areas suspected to contain potential habitat for shrubby reed-mustard consist of calcareous shale of the Green River Shale formation in shadsscale, pygmy sagebrush, mountain mahogany, juniper, and other mixed desert shrub communities between 5,400 and 6,000 feet elevation. None were found during the survey.

Uinta Basin hookless cactus (*Sclerocactus glaucus*) The Uinta Basin hookless cactus is known to occur in Duchesne, Uintah, and northern Carbon counties. The cactus is found occupying gravelly hills and terraces on alluvium soils. They live in cold shrub communities between 4,700 and

6,000 feet in elevation. None were found during the survey.

Untermann daisy (*Erigeron untermanni*) This grows in pinyon-juniper communities, around mountain mahogany, limber and bristlecone pine and sagebrush communities on calcareous shales and sandstones of the Uinta and Green River Formations between 7,000 and 9,400 feet in elevation. None were found during the survey.

Ute ladies tresses (*Spiranthes diluvialis*) Areas suspected to contain potential habitat for Ute ladies' tresses consist of areas along streams, bogs, and open seepage areas. Suitable habitat does not exist in the project area, and none were found during the survey.

Yellow-billed cuckoo (*Coccyzus americanus*) Potential habitat for the Yellow-billed cuckoo is not present within the Project Area, therefore no further inventories are warranted.

For the June 19, 2008 survey of well pad 5-25-36, the following plants were identified:

- Greasewood
- Snake Weed
- Desert Primrose
- Plantago
- Prickly Pear
- Astor species
- Bromus Tectorum
- Mustard Species
- Needle and Thread
- Indian Rice
- Globe Mallow
- Shadscale
- Four Wing
- Yucca
- Sclerocactus Species

Evidence of both wildlife and domestic livestock use of the area was found. The soil type was sandy with cryptobiotic soil. No TECS species were found in the area.

REFERENCES

Biological and Conservation Database. 2002. Utah Division of Wildlife Resources, The Nature Conservancy, and NatureServe.

Burt, W. H. and R. P. Grossenheider. 1980. A field guide to the mammals. Houghton Mifflin Company, Boston. 289 pp.

Parrish, J. R., F. P. Howe, and R. E. Norvell. 1999. Utah Partners in Flight draft conservation strategy. UDWR publication number 99-40. Utah Partners in Flight Program, Utah Division of Wildlife Resources, Salt Lake City.

Personal email communications from Katie Nash to Ron Kass on March 28, 2007.

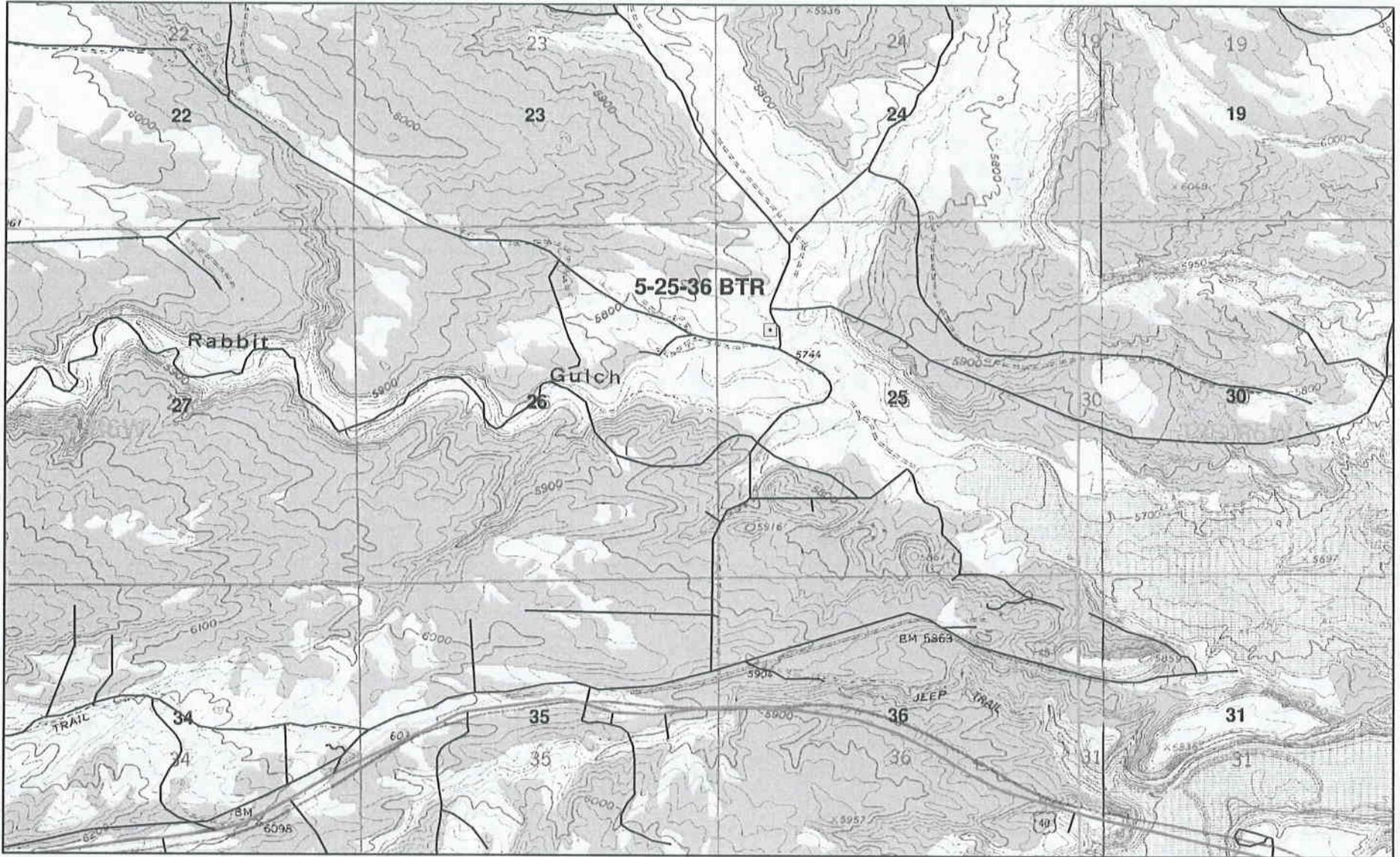
Stebbins, R. C. 1985 A field guide to western reptiles and amphibians. Houghton Mifflin Company, Boston. 336 pp.

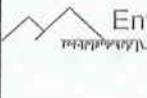
United State Department of Agriculture, Natural Resources Conservation Service. Plant Database Website. <http://plants.usda.gov/>

Utah Division of Wildlife Resources Website. <http://dwrcdc.nr.utah.gov/ucdc/>

Utah Native Plant Society, Inc. 2003. *Utah Rare Plant Guide*. Salt Lake City, UT: Utah Rare Plant Guide Home Page. <http://www.unps.org/fg/rpg.html> (Latest version August 2003).

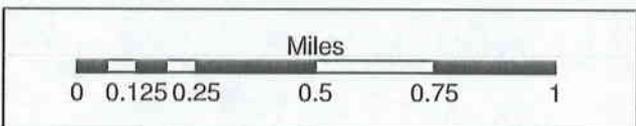
ATTACHMENT I
GENERAL MAP OF AREAS



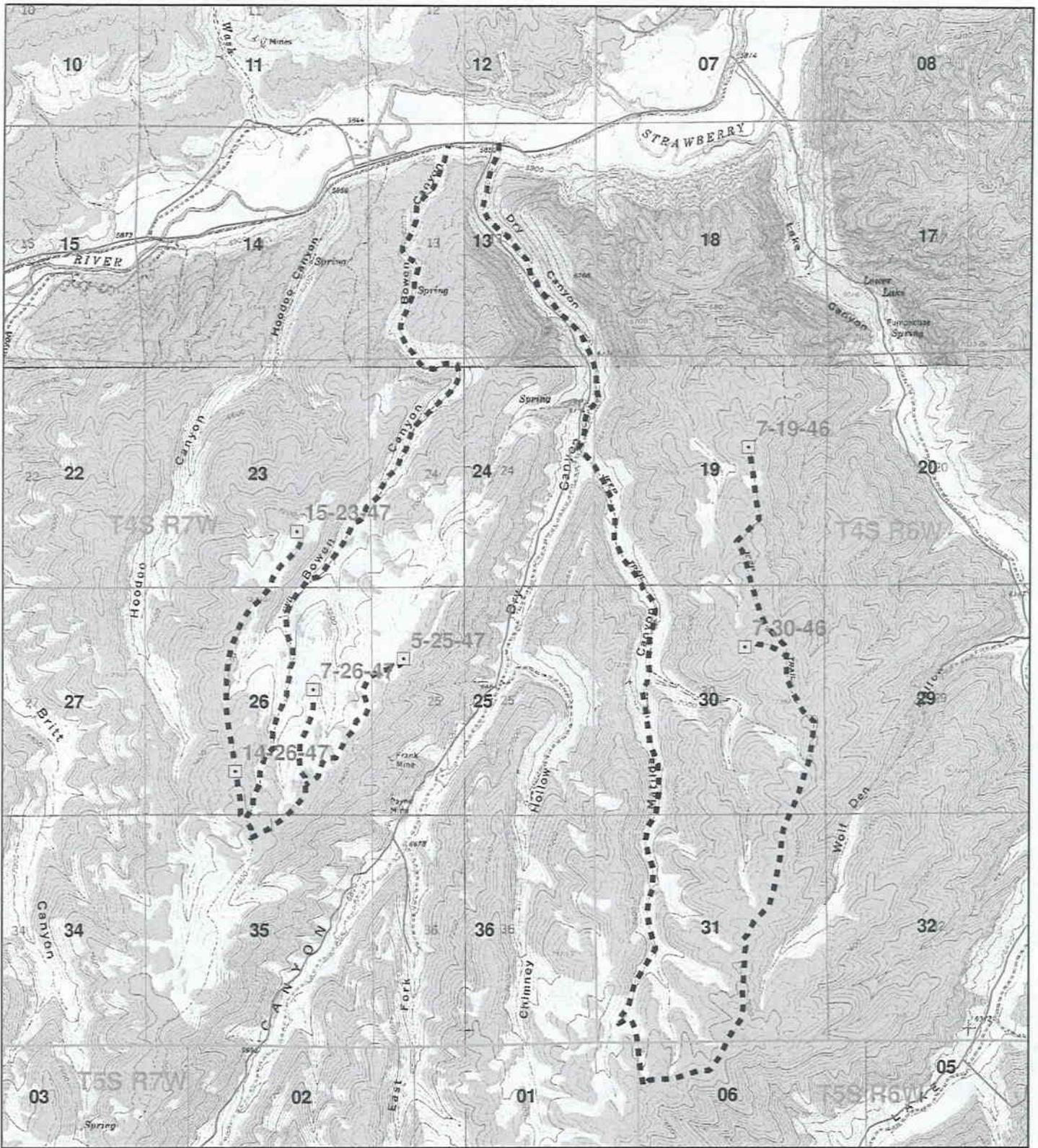

Environmental Industrial Services
 Environmental Engineering & Consulting
 31 North Main Street (435) 472-3814
 Helper, Utah 84526 fax (435) 472-8780
 etscc@preciscom.net


Bill Barrett Corporation
 1099 18TH STREET SUITE 2300
 DENVER, CO 80202

Legend
 Proposed Well 5-25-36 BTR
 Proposed Access Road

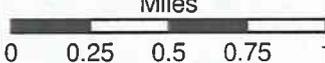


Black Tail Ridge TES Survey Location
 Section 25, T3S, R6W, USBM
 Completed 6-19-08 Duchesne County, Utah




Environmental Industrial Services
 Environmental Engineering & Consulting
 31 North Main Street (435) 472-3814
 Helper, Utah 84526 fax (435) 472-8780
 eisac@preciscom.net


Bill Barrett Corporation
 1099 18TH STREET SUITE 2300
 DENVER, CO 80202

Legend
 Proposed Wells
 Proposed Access Road
 Miles
 0 0.25 0.5 0.75 1


**Black Tail Ridge
 TES Survey
 Locations**
 Duchesne County, Utah
 Completed June 17, 2008

ATTACHMENT 2

PICTURES



Well pad # 14-26-47



Well pad # 15-23-47



Wellpad #7-19-46



Wellpad #7-30-46



Wellpad #5-25-47



Wellpad #7-26-47

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 type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: BIA 14-20-H62-5500
2. NAME OF OPERATOR: BILL BARRETT CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996' FNL, 1786' FWL COUNTY: DUCHESNE QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 19 T4S R6W STATE: UTAH		8. WELL NAME and NUMBER: #7-19-46 DLB
		9. API NUMBER: 4301334004
		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
		PHONE NUMBER: (303) 312-8168

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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"/> 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>APD EXTENSION</u>
	<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) REQUESTS AN ADDITIONAL ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON JUNE 25, 2008.

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

Date: 06-24-09
By: [Signature]

COPY SENT TO OPERATOR

Date: 6-25-2009

Initials: KS

NAME (PLEASE PRINT) <u>Matt Barber</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/15/2009</u>

(This space for State use only)

RECEIVED
JUN 22 2009
DIV. OF OIL, GAS & MINING



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4301334004
Well Name: # 7-19-46 DLB
Location: SWNE, Sec. 19, T4S-R6W
Company Permit Issued to: Bill Barrett Corporation
Date Original Permit Issued: 6/25/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

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

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

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

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

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

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

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

Matt Bale
Signature

6/15/2009
Date

Title: Permit Analyst

Representing: Bill Barrett Corporation

**RECEIVED
JUN 22 2009**

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005500
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202		8. Lease Name and Well No. # 7-19-46 DLB
3b. Phone No. (include area code) (303) 312-8168		9. API Well No. Pending 43 013 3A004
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNE, 1996' FNL, 1786' FEL At proposed prod. zone SWNE, 1996' FNL, 1786' FEL		10. Field and Pool, or Exploratory Altamont
14. Distance in miles and direction from nearest town or post office* Approximately 16.1 miles southwest of Duchesne, Utah		11. Sec., T. R. M. or Blk. and Survey or Area Section 19-T4S-R6W U.S.B.&M.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1786'	16. No. of acres in lease N/A	12. County or Parish Duchesne
17. Spacing Unit dedicated to this well 40	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 4250' (oil well)	19. Proposed Depth 8420'	20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7121' ungraded ground	22. Approximate date work will start* 09/01/2008	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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Matt Barber</i>	Name (Printed/Typed) Matt Barber	Date 02/10/2010
-------------------------------------	--	---------------------------

Title
Permit Analyst

Approved by (Signature) <i>James H. Sparger</i>	Name (Printed/Typed) James H. Sparger	Date MAR 14 2010
Title ACTING Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

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

*(Instructions on page 2)

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

2010 FEB 18 PM 1 59

VERNAL FIELD OFFICE
RECEIVED

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

WDB
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: 7-19-46 DLB
API No: 43-013-34004

Location: SWNE, Sec. 19, T4S R6W
Lease No: 2OG0005500
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

RECEIVED

APR 01 2010

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

RECEIVED

APR 01 2010

SITE SPECIFIC CONDITIONS OF APPROVAL

- A 5,502' by 30' corridor access road right-of-way shall be approved. DIV. OF OIL, GAS & MINING
- Qualified surveyors/engineers shall be accompanied by a Tribal Technician, and will monitor all construction of the proposed action.
- The Ute Tribe Energy & Minerals Department is to be notified 48 hours prior to construction of the proposed action.
- Notices are to be given to the Ute Tribe Energy and Minerals Department during their normal workdays, which are Monday through Friday, 8:00 AM to 4:30 PM. The company understands that they may be held responsible for costs incurred by improper notification.
- The Company shall inform contractors to maintain construction of projects within the approved Rights-Of-Way.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization of any such change.
-
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- The company will ensure that there is approved APD and ROW and/or an Authority to Construct letter for proof of construction authorization.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- If artifacts, fossils, or any culturally sensitive materials are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

- Upon completion of the right-of-way the company will notify the Ute Tribe Energy and Minerals Department and BIA so that an Affidavit of Completion may be implemented.

ADDITIONAL Conditions of Approval

- Paint equipment Olive Black
- Check big game restrictions (BIA)
- Check range restrictions (BIA)
- Technician and company will map drainages and provide to BIA/tribe

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- A cement Bond Log (CBL) shall be run from the production casing shoe to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- All blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINING

RECEIVED

APR 01 2010

Page 7 of 7
Well: 7-19-46 DLB
2/16/2010

DIV. OF OIL, GAS & MINING

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-19-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013340040000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8128 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT COUNTY: DUCHESNE STATE: UTAH

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

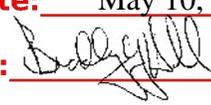
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/6/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

BILL BARRETT CORPORATION (BBC) REQUESTS AN ADDITIONAL ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON JUNE 25, 2008, THE PREVIOUS PERMIT EXTENSION EXPIRES ON JUNE 25, 2010.

Approved by the Utah Division of Oil, Gas and Mining

Date: May 10, 2010

By: 

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



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013340040000

API: 43013340040000

Well Name: 7-19-46 DLB

Location: 1996 FNL 1786 FEL QTR SWNE SEC 19 TWP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 6/25/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

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

Signature: Matt Barber

Date: 5/6/2010

Title: Permit Analyst **Representing:** BILL BARRETT CORP

Date: May 10, 2010

By: 

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
---	---

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
--	---

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-19-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013340040000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/6/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input 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: 50px;" type="text"/>

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

BILL BARRETT CORPORATION (BBC) REQUESTS AN ADDITIONAL ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION DUE TO CHANGES IN DRILLING PLANS FOR THE 2011/2012 YEAR. THE ORIGINAL APD WAS APPROVED ON JUNE 25, 2008, THE PREVIOUS PERMIT EXTENSION EXPIRES ON JUNE 25, 2011.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 06/06/2011

By:

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



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013340040000

API: 43013340040000

Well Name: 7-19-46 DLB

Location: 1996 FNL 1786 FEL QTR SWNE SEC 19 TWP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 6/25/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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

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

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

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

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

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

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

Signature: Brady Riley

Date: 6/6/2011

Title: Permit Analyst **Representing:** BILL BARRETT CORP

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

JAN 20 2012

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.

BLM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. 20G0005500
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T4S R6W SWNE 1996FNL 1786FEL		8. Well Name and No. 7-19-46 DLB
		9. API Well No. 43-013-34004-00-X1
		10. Field and Pool, or Exploratory ALTAMONT
		11. County or Parish, and State DUCHESNE COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 Change to Original PD
	<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 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BBC hereby requests a two year extension for the subject APD previously approved on 03/14/2010.
This well is currently scheduled to spud in 2012.

VERNAL FIELD OFFICE
ENG. RLM 3/8/12
GEOL. _____
E.S. _____
PET. _____
RECL. _____

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

MAR 27 2012

DIV. OF OIL, GAS & MINING

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

Electronic Submission #128848 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 02/23/2012 (12RRH2062SE)

Name (Printed/Typed) VENESSA LANGMACHER	Title SENIOR PERMIT ANALYST
Signature _____ (Electronic Submission)	Date 01/20/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>[Signature]</u>	Title Assistant Field Manager Lands & Mineral Resources	Date MAR 13 2012
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 VERNAL FIELD 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.

UDOGM

** BLM REVISED **

17DDU 201205

CONDITIONS OF APPROVAL

Bill Barrett Corporation

Notice of Intent APD Extension

Lease: 2OG0005500
Well: 7-19-46 DLB
Location: SWNE Sec 19-T4S-R6W

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 03/14/2014.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
1. TYPE OF WELL Oil Well		7.UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: 7-19-46 DLB
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013340040000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/1/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

We are requesting that this APD be extended for an additional 1 year period.

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

Date: June 04, 2012

By:

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 5/30/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013340040000

API: 43013340040000

Well Name: 7-19-46 DLB

Location: 1996 FNL 1786 FEL QTR SWNE SEC 19 TWP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 6/25/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Venessa Langmacher

Date: 5/30/2012

Title: Senior Permit Analyst Representing: BILL BARRETT CORP

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: 7-19-46 DLB	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43013340040000	
PHONE NUMBER: 303 312-8164 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/26/2013 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
This well was spud on 4/26/13 by Triple A Drilling at 4:00 pm; Rig #TA 4037, Type Soilmec SR/30. Continuous drilling is planned to commence on 5/16/13.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 29, 2013			
NAME (PLEASE PRINT) Venessa Langmacher		PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 4/29/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500																														
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE																														
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:																														
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 7-19-46 DLB																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013340040000																														
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: ALTAMONT																														
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2013	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE TUBING</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> DEEPEN</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> TUBING REPAIR</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> VENT OR FLARE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> OTHER</td> <td style="vertical-align: top; padding: 2px;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE																														
<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION																														
<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																														
<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION																														
<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																														
<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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. <p style="text-align: center; font-size: 1.2em;">This well was spud in April 2013</p> <div style="text-align: right; margin-top: 20px;"> <p style="margin: 0;">Accepted by the</p> <p style="margin: 0;">Utah Division of</p> <p style="margin: 0;">Oil, Gas and Mining</p> <p style="margin: 0;">FOR RECORD ONLY</p> <p style="margin: 0;">May 10, 2013</p> </div>																																
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst																														
SIGNATURE N/A	DATE 5/3/2013																															

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-19-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013340040000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/27/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

BBC requests to set the 9-5/8" surface casing deeper at 1700' as opposed to the approved 850' surface casing depth.

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

Date: May 28, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 5/23/2013	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22
Submitted By Pat Clark Phone Number 303-353-5350
Well Name/Number 7-19-46 DLB
Qtr/Qtr SW/NE Section 19 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-34004

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

Date/Time _____ AM PM

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

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

Date/Time 5/30/13 11:00 AM PM

BOPE

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

RECEIVED
MAY 29 2013
DIV. OF OIL, GAS & MINING

Date/Time 5/31/13 11 AM PM

Remarks All times are estimated

—

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-19-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013340040000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the May 2013 Drilling Activity for this well.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 June 11, 2013**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/5/2013	

**7-19-46 DLB 5/26/2013 01:00 - 5/26/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
01:00	5.00	06:00	1	RIGUP & TEARDOWN	RDRT

7-19-46 DLB 5/26/2013 06:00 - 5/27/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	1	RIGUP & TEARDOWN	RDRT. Moved BOP wrangler, Pragma, tubulars, tanks, scoped derrick, squatted sub, laid derrick over onto stand. 1 crane, 4 trucks.
19:00	11.00	06:00	21	OPEN	Wait on daylight.

7-19-46 DLB 5/27/2013 06:00 - 5/28/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	1	RIGUP & TEARDOWN	MIRU. Pits, pumps, gens, sub set. Replaced crown sheave cluster. Rig 90% on loc, 40% rigged up.
19:00	11.00	06:00	1	RIGUP & TEARDOWN	Wait on daylight.

7-19-46 DLB 5/28/2013 06:00 - 5/29/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	RURT. Sub raised, derrick scoped, rigging up floor. ETA spud - this P.M.

7-19-46 DLB 5/29/2013 06:00 - 5/30/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status DRILLING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	19.50	01:30	1	RIGUP & TEARDOWN	Finish rigging up. Install drilling spool, annular, riser w/rot head, flow line, flare lines. Do pre-spud check. Troubleshoot and repair drum encoder.
01:30	1.50	03:00	20	DIRECTIONAL WORK	PU bit, mm, dir tools. Scribe mm. Rig on daywork @ 01:30.
03:00	3.00	06:00	2	DRILL ACTUAL	Spud well @ 03:00 Drill 102' - 178'.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-19-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013340040000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U	9. FIELD and POOL or WILDCAT: ALTAMONT COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/13/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

BBC requests to run a liner in the proposed well. TD will be about 6950' (drill to fit casing). TD sometime late tomorrow, Run liner Thursday. 7" is set at 5080'. DVT @ 2499' TOL @ 4880' +/- BOL @ 6950' +/- +/- 2100' 4-1/2" 11.60# P110 LTC (Thrds off) Plan to run logs. Use 15% off caliper for excess cement. Will probably be about 200-220 sx 13.5 ppg ECONOCEM (1.45 ft³/sx yield). FL < 100 cc.

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

Date: June 13, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 6/11/2013	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22
Submitted By Pat Clark Phone Number 303-353-5350
Well Name/Number 7-19-46 DLB
Qtr/Qtr SW/NE Section 19 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-34004

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

Date/Time _____ AM PM

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

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

Date/Time 6/12/13 15:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks All times are estimated

—

RECEIVED
JUN 11 2013
DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22
Submitted By Pat Clark Phone Number 303-353-5350
Well Name/Number 7-19-46 DLB
Qtr/Qtr SW/NE Section 19 Township 4S Range 6W
Lease Serial Number _____
API Number 43-013-34004

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

Date/Time _____ AM PM

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

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

Date/Time 6/09/13 15:00 AM PM

BOPE

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

Date/Time 6/10/13 05:00 AM PM

Remarks All times are estimated

—

RECEIVED
JUN 10 2013
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 7-19-46 DLB
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013340040000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2013	TYPE OF ACTION	
	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the June 2013 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 09, 2013		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 7/9/2013	

**7-19-46 DLB 6/1/2013 06:00 - 6/2/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	Finish drlg ft equip & 20' to 1727'. Spot high-vis LCM pill, pull into csg. Close annular, perform F.I.T to 180 psi f/10.5 ppg EMW.
07:00	10.50	17:30	2	DRILL ACTUAL	Steerable drlg 1727' - 3017'. Rpm 60/94, 318 gpm, spp 1200 psi, dp 400 psi, rop 125 fph. Lost 1500 bbls mud, drilled f/2900' - 3017' w/out returns. BOP drill daylights.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	0.50	18:30	5	COND MUD & CIRC	Spot 60 bbl 65% lcm pill on bottom.
18:30	4.00	22:30	6	TRIPS	Toh to shoe, wait for pill to soak.
22:30	3.50	02:00	5	COND MUD & CIRC	Won't circ, pump 60 bbl 65% lcm pill, let soak.
02:00	1.00	03:00	6	TRIPS	Tih, washed last stand down.
03:00	2.00	05:00	2	DRILL ACTUAL	Drill 3017' - 3300' w/out returns, sweeping hole w/lcm.
05:00	0.50	05:30	5	COND MUD & CIRC	Spot different recipe pill.
05:30	0.50	06:00	6	TRIPS	Toh to shoe to let pill soak.

7-19-46 DLB 6/2/2013 06:00 - 6/3/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	Let pill soak. Try to circ, no circ.
09:00	3.00	12:00	5	COND MUD & CIRC	Pump 60 vis, 65% lcm pill, let soak. Try to circ, no circ.
12:00	1.50	13:30	6	TRIPS	Tih, attempt to circ @ 2500' and 3000'.
13:30	3.50	17:00	2	DRILL ACTUAL	Steerable drlg 3300' - 3586'. 318 gpm, rpm 67/95, spp 1050 psi, dp 150 psi, rop 82 fph. No returns, running lcm sweeps, 30 % lcm in system.
17:00	1.00	18:00	5	COND MUD & CIRC	Spot 60 bbl, 55 vis, 60 % lcm pill.
18:00	3.00	21:00	6	TRIPS	Toh to 2600', spot 50 vis, 60% lcm pill, toh.
21:00	2.50	23:30	6	TRIPS	Stand back dir tools, tih open-ended to 2700'.
23:30	0.50	00:00	5	COND MUD & CIRC	Spot 70 bbl Drillchem pill - 15 ppb FIT, 30 ppb Blockade, 10 ppb Drillseal Med, DS coarse, & Drillseal extra coarse..
00:00	6.00	06:00	21	OPEN	Wait on pill to soak.

7-19-46 DLB 6/3/2013 06:00 - 6/4/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	21	OPEN	Wait on pill to soak.
07:30	3.00	10:30	6	TRIPS	Tih to 2500', no circ. Spot 100 bbl Drillchem pill, toh to shoe.
10:30	7.50	18:00	21	OPEN	Wait on Drillchem pill. BOP drill daylights.
18:00	4.00	22:00	6	TRIPS	Try to circ, no circ. Stage in hole to 3200', spot 100 bbl 55 vis 60% lcm pill w/Steel Seal @ 70 ppb. Toh to 2200' spot identical pill. Toh to shoe.
22:00	4.00	02:00	21	OPEN	Wait on pill.
02:00	2.50	04:30	5	COND MUD & CIRC	Circulated hole w/50 strokes, full returns. Close annular, press hole up to 225 psi, bled to 140 psi and held. Bled press off, stage in hole breaking circ every 200'. Lost circ @ 2550'. Spot 90 bbl 55 vis 60% lcm pill.
04:30	0.50	05:00	6	TRIPS	Toh to shoe.
05:00	1.00	06:00	21	OPEN	Wait on pill.

7-19-46 DLB 6/4/2013 06:00 - 6/5/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.50	08:30	21	OPEN	Wait on lcm pill.	
08:30	1.50	10:00	5	COND MUD & CIRC	No circ, tih to 2200', spot 90 bbl 55 vis 60% lcm pill. Toh to shoe.	
10:00	5.00	15:00	21	OPEN	Wait on pill to soak.	
15:00	7.00	22:00	6	TRIPS	Had circ @ shoe, tried to squeeze, broke @ 150 psi. Staged in hole, had circ until 2530'. Tih to bottom, try to circ, no circ. Toh to 3000', spot 70 bbl 55 vis 60% lcm pill, toh.	
22:00	2.00	00:00	6	TRIPS	PU cement retainer, tih. Set retainer @ 1523'.	
00:00	6.00	06:00	21	OPEN	Wait on Halliburton cementers.	

7-19-46 DLB 6/5/2013 06:00 - 6/6/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	10.00	16:00	21	OPEN	Wait on Halliburton. Cement showed up @ 09:30, pump truck broken, wait on truck repairs until 15:00.	
16:00	3.00	19:00	18	SQUEEZE CEMENT	Finish rigging up cementers. Press test to 3000 psi. PIR - 1 bpm - 31 psi; 2 bpm - 350 psi; 3 bpm - 330 psi. Mix & pump 800 sx (209 bbls) cmt @ 14.2 ppg, 1.47 yld. 7.12 gps H2O. Displace w/21.7 bbls mud, shut down to suck 20 bbls overdisplacement; had to pump it - 3 bpm @ 75 psi. Stung out of retainer, reversed out 25 bbls clean. RD HES.	
19:00	2.00	21:00	6	TRIPS	Toh. LD ret running tool.	
21:00	9.00	06:00	13	WAIT ON CEMENT	W.O.C.	

7-19-46 DLB 6/6/2013 06:00 - 6/7/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	6.00	12:00	13	WAIT ON CEMENT	W.O.C.	
12:00	2.00	14:00	6	TRIPS	PU bit, bit sub, tih. tag retainer @ 1523'.	
14:00	8.00	22:00	21	OPEN	Drill retainer. Push to 1900', drill rest of ret & firm cmt @ 25-35 fph w/8 - 15k wob, 90 rpm to 2354'. Full returns.	
22:00	0.50	22:30	5	COND MUD & CIRC	C&C mud, clean hole.	
22:30	4.50	03:00	6	TRIPS	Toh, PU dir tools, Tih.	
03:00	2.00	05:00	21	OPEN	Drill cmt 2354' - 2634'. Full returns w/350 gpm, 10k wob, 64/105 rpm.	
05:00	0.50	05:30	7	LUBRICATE RIG	Rig service.	
05:30	0.50	06:00	21	OPEN	Drill cmt 2634' - 2730'. 350 gpm, 5-15k wob, 64/105 rpm. Full returns.	

7-19-46 DLB 6/7/2013 06:00 - 6/8/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.00	09:00	21	OPEN	Drill cmt f/2730' - 2850', cmt ended, few stringers. W&R to 3015'. 100% cmt and full returns until 2750' - lost returns. Pump lcm sweeps and drill cmt w/no returns f/2750'.	
09:00	1.50	10:30	5	COND MUD & CIRC	Pull up to 2650', spot 80 bbl 55 vis 55% lcm pill.	
10:30	2.00	12:30	6	TRIPS	Toh. Stand back dir tools.	
12:30	2.00	14:30	21	OPEN	Clean pill tank, troubleshoot and replace pit valves.	
14:30	6.00	20:30	5	COND MUD & CIRC	Mix and spot 100 bbl Turbo-Chem squeeze pill.	
20:30	1.00	21:30	6	TRIPS	Toh to shoe.	
21:30	8.00	05:30	21	OPEN	Try to squeeze pill, wouldn't squeeze. Wait 4 hrs, try again, no squeeze, wait 3 hrs, try again, no squeeze, DP on vacuum.	
05:30	0.50	06:00	6	TRIPS	Toh.	

**7-19-46 DLB 6/8/2013 06:00 - 6/9/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	Toh.
06:30	3.00	09:30	6	TRIPS	PU dir tools, tih.
09:30	7.50	17:00	2	DRILL ACTUAL	Steerable drlg 3586' - 4153'. No returns, 320 gpm, rpm 57/96, spp 600 psi, rop 76 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.
17:30	12.00	05:30	2	DRILL ACTUAL	Steerable drlg 4153' - 5006'. No returns, 320 gpm, rpm 57/96, spp 600 psi, rop 71 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

7-19-46 DLB 6/9/2013 06:00 - 6/10/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Steerable drlg 5006' - 5080' w/no returns. TD Intermediate @ 5080'.
06:30	1.00	07:30	5	COND MUD & CIRC	Pump sweep.
07:30	1.50	09:00	6	TRIPS	ST to 3586'. Hole in good shape.
09:00	0.50	09:30	5	COND MUD & CIRC	Pump sweep.
09:30	6.00	15:30	6	TRIPS	LDDP, BHA.
15:30	0.50	16:00	21	OPEN	Pull wear bushing.
16:00	7.00	23:00	12	RUN CASING & CEMENT	HSM. RU Frank's, run 7", 26#, P-110, LT&C csg as follows: Down jet float shoe, 1 jt csg, float collar, 61 jts csg, DV tool @ 2499', 60 jts to surf (122 total). RD Frank's.
23:00	2.00	01:00	5	COND MUD & CIRC	C&C f/cem. RU Halliburton.
01:00	5.00	06:00	12	RUN CASING & CEMENT	HSM. Cement well as follows: Press test to 5000 psi. Pump 40 bbls Super Flush, Mix & pump 430 sx (111.5 bbls) Bondcem @ 13.5 ppg, 1.45 yld, 6.77 gps H2O. Shut down, wash to pit, drop plug. Pump 192.68 bbls Cla-Web/Aldacide displacement. Floats held, drop dart, wait 15 min, press up, open tool. Pump 50 bbls H2O, Mix & pump 200 sx lead on 2nd stage @ report time - details on next report. Notification sent 6-8-13 to BLM & state. Called Michael Lee w/Vernal BLM @ office & cell phone for verbal - no reply.

7-19-46 DLB 6/10/2013 06:00 - 6/11/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	Cmt 2nd stage as follows: 50 bbl H2O spacer, Mix & pump 200 sx(82 bbls) cmt @ 11 ppg, 2.32 yld, 10.61 gps H2O. Tail in w/100 sx (21.2 bbls) cmt @ 15.6 ppg, 1.19 yld, 5.32 gps H2O. Drop plug, displace w/ 95.5 bbls. Max press 350 psi, bump plug w/1800 psi, floats held, bled back 1 bbl.
08:00	1.00	09:00	14	NIPPLE UP B.O.P	NDBOP. Set slips, cut off csg, install weldament.
09:00	2.00	11:00	14	NIPPLE UP B.O.P	NUBOP. X/O pipe rams.
11:00	5.00	16:00	15	TEST B.O.P	Test bop - test tiw, dart, pipe and blind rams, inside valves, hcr, kill valve, choke line, manifold, guage valve, check valve, superchoke 5000 psi high, 250 psi low. Annular - 2500 psi. Test csg to 1500 psi f/30 min. RD tester.
16:00	1.00	17:00	6	TRIPS	PU new bit, mm, BHA.
17:00	1.00	18:00	7	LUBRICATE RIG	Rig service. Slip & cut drill line.
18:00	3.00	21:00	6	TRIPS	PU DP.
21:00	2.00	23:00	21	OPEN	Tag cmt @ 2490', drill DV tool.
23:00	3.00	02:00	6	TRIPS	PU DP.
02:00	1.50	03:30	21	OPEN	Tag cmt @ 5030', drill FC, FS, 20' form to 5100'. Spot lcm pill, perform F.I.T. to 530 psi f/10.5 ppg EMW.
03:30	2.00	05:30	2	DRILL ACTUAL	Steerable drlg 5100' - 5336'. wob 10-15k, rpm 59/127, spp 1900 psi, dp 450 psi, rop 128 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

**7-19-46 DLB 6/11/2013 06:00 - 6/12/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 5336' - 6161'. wob 10-15k, rpm 59/125, spp 2300 psi, dp 450 psi, rop - 75 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.
17:30	10.00	03:30	2	DRILL ACTUAL	Steerable drlg 5336' - 6928'. wob 10-15k, rpm 59/125, spp 2500 psi, dp 450 psi, rop - 77 fph. Bop drill morning tour.
03:30	0.50	04:00	7	LUBRICATE RIG	Rig Service.
04:00	0.50	04:30	2	DRILL ACTUAL	Drill 6928' - 6950'. TD well @ 6950'.
04:30	1.00	05:30	5	COND MUD & CIRC	C&C mud f/ST.
05:30	0.50	06:00	6	TRIPS	Flow check, ST to shoe. Hole in good shape, taking proper amount of fill.

7-19-46 DLB 6/12/2013 06:00 - 6/13/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	Finish ST. Hole in good shape.
07:30	1.00	08:30	5	COND MUD & CIRC	Pump sweep, C&C f/logs.
08:30	3.50	12:00	6	TRIPS	Toh f/logs. LD BHA. Function test blind rams.
12:00	8.00	20:00	11	WIRELINE LOGS	HSM. RU Halliburton WL. Run quad combo-Density, Dual Spaced Neutron, Borehole Sonic Array, Micro spherically Focused log, Dual Lateralog in open hole, Gamma to surf. RD HES.
20:00	3.00	23:00	6	TRIPS	Tih.
23:00	1.50	00:30	5	COND MUD & CIRC	C&C f/liner. Pump slug.
00:30	4.50	05:00	6	TRIPS	Toh. LD 60 jts DP. Stand back HWDP & 45 stds DP to run liner.
05:00	1.00	06:00	12	RUN CASING & CEMENT	HSM. RU casers. Start running 4 1/2", 11.6#, P-110 LT&C liner.

7-19-46 DLB 6/13/2013 06:00 - 6/14/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Run liner.
07:00	0.50	07:30	7	LUBRICATE RIG	Rig Service.
07:30	7.50	15:00	12	RUN CASING & CEMENT	Finish running 4 1/2", 11.6#, P-110, LT&C csg liner as follows: Fit shoe, 2 jts csg, fit collar, landing collar, 45 jts csg, liner hanger, 21 jts HWDP, 133 jts DP.
15:00	1.00	16:00	5	COND MUD & CIRC	CIRC TWO B/U
16:00	6.00	22:00	12	RUN CASING & CEMENT	S/M - R/U CEMENTERS TEST LINES @ 9500 PSI, PUMP 40 BBLS TUNED SPACER, 44 BBLS 170 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.83 GAL/SK, SHUT DOWN WASH LINES DROP PLUG PUMP 25 BBLS WATER, 10 BBLS TUNED SPACER, 31.7 BBLS DRILLING MUD, BUMP PLUG PRSSURE UP 500 PSI OVER TO 1600 PSI, PRESSURE UP TO 2500 PSI REPTURE DISCS, DROP BALL AND SET LINER HANGER (9000 PSI TO SET HANGER) PULL TEST TO 170K, RELEASE RUNNING TOOL & PRESSURE TEST HANGER TO 2100 PSI, RELEASE PRESSURE & CIRC HOLE WITH CLAYWEB WATER - R/D CEMENTERS - FULL RETURNS DURING JOB - NO CEMENT TO SURFACE WHILE CIRCULATING HOLE
22:00	4.00	02:00	6	TRIPS	L/D DRILL PIPE & HWDP
02:00	2.50	04:30	14	NIPPLE DOWN B.O.P	NIPPLE DOWN BOP - CHOKE LINE & FLOW LINE
04:30	1.50	06:00	21	OPEN	CLEAN MUD TANKS - RIGGING DOWN WHILE CLEANING MUD TANKS - RIG RELEASED @ 0600 HRS 6/14/13

**7-19-46 DLB 6/18/2013 06:00 - 6/19/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

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

7-19-46 DLB 6/19/2013 06:00 - 6/20/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.
06:00		06:00	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.
06:00		06:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,745', Drilling Report Shows FC At 6,836', 91' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 6,745', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 06-12-2013. Run Repeat Section From 6,745' - 6,545', Log Up Hole. Showed Good Bond From TD To 5,100, 5,100 - 4,868' Poor/Free Pipe, 4,868 - 2,900 Fair/Good, 2,900 - 2,540' Spotty. TOC 2,540'. Found Short Joint At 5,959 - 5,981. Ran With Pressure. Pooh, RD Equipment, MOL.
06:00		06:00	LOCL	Lock Wellhead & Secure	WSI And Secured

7-19-46 DLB 6/28/2013 06:00 - 6/29/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Setting And Filling Frac Line. Rig Up FlowBack And SandTrap. NU Frac Mandrel And Frac Tree, Test Casing. Test FlowBack And SandTrap.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: 7-19-46 DLB
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43013340040000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
9. FIELD and POOL or WILDCAT: ALTAMONT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1996 FNL 1786 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 04.0S Range: 06.0W Meridian: U	
COUNTY: DUCHESNE	
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the July 2013 Drilling Activity for this well.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 August 08, 2013**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/5/2013	

**7-19-46 DLB 7/1/2013 06:00 - 7/2/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL TO LOCATION.
07:00	2.00	09:00	SRIG	Rig Up/Down	HSM. MIRU SLB.
09:00	1.50	10:30	PFRT	Perforating	PU GUNS FOR STG 1. RIH AND CORRELATE TO SJ AT 7730'+-7752'+. RUN DOWN AND PERF CR-3 AND CR-4 FORM 6474'-6715' WITH 54 HOLES IN 18' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN.
10:30	5.00	15:30	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

7-19-46 DLB 7/2/2013 06:00 - 7/3/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	SMTG	Safety Meeting	HES AOL 03:30. RUN QC ON FLUIDS. PRIME UP CHEMS AND PUMP. HSM- RED ZONE, PPE, SPILL PROTECTION. SMOKING. PARKING. SPOTTING LOADS.
06:00		06:00	FRAC	Frac. Job	FRAC STG #1- CR-3 AND CR-4 PERFS 6474'-6715' WITH 54 HOLES IN 18' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 455 PSI AT 04:30. BREAK DOWN 3140 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 108 BIO BALLS FOR DIVERSION. 10.5 BPM AT 1842 PSI. FLUSH W/ 8871 GAL. 30.2 BPM AT 2585 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 2939 PSI. ISDP 1235. FG .63. PERFS OPEN 27/54. CONT FR PAD. 70.5 BPM AT 2603 PSI. STAGE HYBOR PAD 70.1 BPM AT 2459 PSI. STAGE TO 2 PPA 20/40 WHITE. 69.0 BPM AT 2616 PSI. ON PERFS 70.2 BPM AT 2278 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.3 BPM AT 2210 PSI. ON PERFS 70.4 BPM AT 2007 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.4 BPM AT 1950 PSI. ON PERFS 70.4 BPM AT 1886 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.7 BPM AT 1884 PSI. ON PERFS 70.1 BPM AT 1873 PSI. FLUSH 70.2 BPM AT 2275 PSI. WSI WITH 1280 PSI. TURN OVER TO WIRELINE. ISIP 1285, FG .63, MR 70.7 BPM, MP 2622 PSI, AR 70.2 BPM, AP 2090 PSI. PMP 140,100 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 64,167 GAL 20# HYBOR G (16) 58,210 GAL TOT CLEAN 126,279 GAL BWTR 3006 BBLS
06:00	0.75	06:45	PFRT	Perforating	PERF STG #2- PU EXELIS 4-1/2" CBP AND GUNS FOR INTO LUB AND EQUALIZE 1150 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5959'-5981'. RUN DOWN AND SET CBP AT 6462' WITH 1150 PSI. PULL UP AND PERF CR-2 AND CR-3 FORM 6205'-6442' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 750 PSI.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:45	1.34	08:05	FRAC	Frac. Job	<p>FRAC STG #2- CR-2 AND CR-3 PERFS 6205'-6442' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 444 PSI AT 06:54 BREAK DOWN 2135 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1328 PSI. FLUSH W/ 8696 GAL. 34.6 BPM AT 1877 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2439 PSI. ISDP 1212. FG .63. PERFS OPEN 32/45. CONT FR PAD. 70.6 BPM AT 2330 PSI. STAGE HYBOR PAD 70.5 BPM AT 2182 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2277 PSI. ON PERFS 70.2 BPM AT 1964 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.3 BPM AT 1819 PSI. ON PERFS 70.1 BPM AT 1830 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.1 BPM AT 1843 PSI. ON PERFS 70.2 BPM AT 1829 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.1 BPM AT 1786 PSI. ON PERFS 70.9 BPM AT 1819 PSI. FLUSH 70.6 BPM AT 2260 PSI. WSI WITH 1400 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 1407, FG .66, MR 70.4 BPM, MP 2383 PSI, AR 70.2 BPM, AP 1920 PSI. PMP 150,000 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 66,809 GAL 20# HYBOR G (16) 62,507 GAL TOT CLEAN 133,220 GAL BWTR 3172 BBLS</p>
08:05	1.00	09:05	PFRT	Perforating	<p>PERF STG #3- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 1300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5959'-5981'. RUN DOWN AND SET CBP AT 6200' WITH 1250 PSI. PULL UP AND PERF WASATCH AND CR-2 FORM 5960'-6182' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 950 PSI.</p>
09:05	1.25	10:20	FRAC	Frac. Job	<p>FRAC STG 3- WASATCH AND CR-2 PERFS 5960'-6182' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 863 PSI AT 09:11 BREAK DOWN 1339 PSI AT 9.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1291 PSI. FLUSH W/ 8536 GAL. 29.9 BPM AT 1653 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2593 PSI. ISDP 965. FG .60. PERFS OPEN 27/45. CONT FR PAD. 70.3 BPM AT 2320 PSI. STAGE HYBOR PAD 70.3 BPM AT 2113 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2105 PSI. ON PERFS 70.4 BPM AT 1821 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.4 BPM AT 1709 PSI. ON PERFS 70.5 BPM AT 1571 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 1516 PSI. ON PERFS 70.4 BPM AT 1472 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.4 BPM AT 1464 PSI. ON PERFS 70.6 BPM AT 1477 PSI. FLUSH 70.4 BPM AT 1902 PSI. WSI WITH 1200 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 1149, FG .63, MR 70.5 BPM, MP 2123 PSI, AR 70.4 BPM, AP 1620 PSI. PMP 149,500 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 66,402 GAL 20# HYBOR G (16) 62,735 GAL TOT CLEAN 133,037 GAL BWTR 3167 BBLS</p>
10:20	1.08	11:25	PFRT	Perforating	<p>PERF STG #4- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 1050 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5950' WITH 1050 PSI. PULL UP AND PERF UTELAND BUTTE AND CR-1 FORM 5733'-7937' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1000 PSI.</p>



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
11:25	1.25	12:40	FRAC	Frac. Job	<p>FRAC STG 4- UTELAND BUTTES AND CR-1 PERFS 5733'-5937' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 862 PSI AT 11:26 BREAK DOWN 1622 PSI AT 9.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1038 PSI. FLUSH W/ 8388 GAL. 29.9 BPM AT 1219 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 2230 PSI. ISDP 907. FG .60. PERFS OPEN 30/45. CONT FR PAD. 70.4 BPM AT 1874 PSI. STAGE TO .75 PPA 100 MESH PAD 70.4 BPM AT 1764 PSI. ON PERFS 70.5 BPM AT 1811 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.3 BPM AT 1787 PSI. ON PERFS 70.4 BPM AT 1703 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.5 BPM AT 1624 PSI. ON PERFS 70.4 BPM AT 1520 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.4 BPM AT 1498 PSI. ON PERFS 70.4 BPM AT 2618 PSI. NOTE: VIS FELL FROM 16 TO 7 DURING 3 PPA. WASN'T ABLE TO GET VIS BACK AND START PRESSURING UP. CUT SAND AND FLUSH. FLUSH 70.5 BPM AT 3031 PSI. WSI WITH 700 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 789, FG .57, MR 70.6 BPM, MP 2570 PSI, AR 70.5 BPM, AP 1692 PSI. PMP 14,400 LBS 100 MESH 103,700 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 69,433 GAL 20# HYBOR G (16) 67,487 GAL TOT CLEAN 140,821 GAL BWTR 3353 BBLs</p>
12:40	1.00	13:40	PFRT	Perforating	<p>PERF STG #5- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 800 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5723' WITH 750 PSI. PULL UP AND PERF CASTLE PEAK FORM 5487'-5703' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 750 PSI.</p>
13:40	1.33	15:00	FRAC	Frac. Job	<p>FRAC STG 5- CASTLE PEAK PERFS 5487'-5703' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9000 PSI. OPEN WELL W/ 597 PSI AT 13:45 BREAK DOWN 897 PSI AT 10.2 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 902 PSI. FLUSH W/ 8227 GAL. 30.3 BPM AT 1027 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 1940 PSI. ISDP 717. FG .57. PERFS OPEN 31/45. CONT FR PAD. 70.5 BPM AT 1570 PSI. STAGE TO .75 PPA 100 MESH PAD 70.5 BPM AT 1477 PSI. ON PERFS 70.5 BPM AT 1484 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.5 BPM AT 1505 PSI. ON PERFS 70.5 BPM AT 1395 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.6 BPM AT 1320 PSI. ON PERFS 70.5 BPM AT 1250 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.6 BPM AT 1230 PSI. ON PERFS 70.5 BPM AT 1191 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.5 BPM AT 1122 PSI. ON PERFS 70.5 BPM AT 1083 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.6 BPM AT 1081 PSI. ON PERFS 70.6 BPM AT 1073 PSI. FLUSH 70.5 BPM AT 1441 PSI. WSI WITH 800 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 847, FG .59, MR 70.6 BPM, MP 1518 PSI, AR 70.5 BPM, AP 1270 PSI. PMP 13,600 LBS 100 MESH 149,900 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 66,033 GAL 20# HYBOR G (16) 72,820 GAL TOT CLEAN 142,753 GAL BWTR 3398 BBLs</p>
15:00	1.00	16:00	PFRT	Perforating	<p>PERF STG #6- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 850 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5723' WITH 750 PSI. PULL UP AND PERF BLACK SHALE AND CASTLE PEAK FORM 5172'-5458' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 700 PSI.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:00	1.75	17:45	FRAC	Frac. Job	FRAC STG 6- BLACK SHALE AND CASTLE PEAK PERFS 5173'-5458' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9000 PSI. OPEN WELL W/ 579 PSI AT 16:03 BREAK DOWN 693 PSI AT 10.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 661 PSI. FLUSH W/ 8022 GAL. 30.5 BPM AT 928 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 1483 PSI. ISDP 754. FG .58. PERFS OPEN 41/45. CONT FR PAD. 70.5 BPM AT 1464 PSI. STAGE TO .75 PPA 100 MESH PAD 70.3 BPM AT 1490 PSI. ON PERFS 70.5 BPM AT 1496 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.5 BPM AT 1521 PSI. ON PERFS 70.2 BPM AT 1538 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.5 BPM AT 1481 PSI. ON PERFS 70.4 BPM AT 1386 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.4 BPM AT 1276 PSI. ON PERFS 70.4 BPM AT 1256 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.5 BPM AT 1229 PSI. ON PERFS 70.4 BPM AT 1180 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 1155 PSI. ON PERFS 70.4 BPM AT 1295 PSI. FLUSH 70.3 BPM AT 1587 PSI. WSI WITH 900 PSI. TURN OVER TO WIRELINE. ISIP 970, FG .62, MR 70.7 BPM, MP 1579 PSI, AR 70.4 BPM, AP 11359 PSI. PMP 13,560 LBS 100 MESH 159,800 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 65,587 GAL 20# HYBOR G (16) 72,070 GAL TOT CLEAN 141,557 GAL BWTR 3370 BBLs
17:45	1.00	18:45	WLWK	Wireline	SET KILL PLUG- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 850 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5140' WITH 750 PSI.
18:45	2.00	20:45	SRIG	Rig Up/Down	RDMO SLB AND HES.
20:45	9.25	06:00	GOP	General Operations	STACK WTR. MOVE TANKS OFF LOCATION.

7-19-46 DLB 7/3/2013 06:00 - 7/4/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
08:00	3.00	11:00	BOPI	Install BOP's	SWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 2-7/8 TBG ON RACKS & TALLY TBG.
11:00	4.00	15:00	RUTB	Run Tubing	P/U 3-7/8 BIT, POBS, 1 JT 2-3/8 TBG, 1.875 XN- NIPPLE & 68 JTS 2-3/8 TBG.. RIH P/U NEW 2-7/8 L-80 TBG TO KILL PLUG @ 5140'
15:00	4.50	19:30			R/U POWER SWIVEL. TEST BOP & CIRC EQUIPMENT TO 2500 PSI, HELD. BREAK CIRC W/ NIT/FOAM UNIT. D/O KILL PLUG @ 5140'. FCP- 800. SWIVEL IN HOLE. TAG SAND @ 5473'. C/O SAND & D/O CBP @ 5478'. FCP- 750 ON 32/64 CHOKE. SWIVEL IN HOLE, TAG SOLID @ 5490'. MAKING NO HOLE. TORQUING REALLY BAD. R/D SWIVEL.
19:30	1.00	20:30	PULT	Pull Tubing	POOH TO 3277'. SDFN. TURN WELL OVER TO FLOW BACK.
20:30	9.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

7-19-46 DLB 7/4/2013 06:00 - 7/5/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	WKLL	Kill Well	ROLL HOLE W/ 160 BBLS, SLIGHT FLOW.
08:00	1.00	09:00	PULT	Pull Tubing	POOH W/ 3-7/8 BIT F/ 3277'. MISSING ONE CONE OFF OF BIT.
09:00	1.50	10:30	RUTB	Run Tubing	RIH W/ 3-3/4 JUNK MILL, POBS, 1 JT 2-3/8 TBG, 1.87 XN- NIPPLE, 68 JTS 2-3/8 TBG, X-O & 2-7/8 TBG TO 5490'.
10:30	4.00	14:30	CLN	Clean Out Hole	R/U SWIVEL. BREAK CIRC W/ RIG PUMP. MILL UP CONE & BOTTOM HALF OF CBP & FELL FREE. SWIVEL IN HOLE. TAG SAND @ 5698'. C/O SAND & D/O CBP @ 5723'. FCP- 50 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 5945'. C/O SAND & D/O CBP @ 5950'. FCP- 50 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 6182'. C/O SAND & D/O CBP @ 6200'. FCP- 200 ON 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 6445'. C/O SAND & D/O CBP @ 6462'. FCP- 400 ON 64/64 CHOKE SWIVEL IN HOLE, TAG SAND @ 6711'. C/O TO FLOAT COLLAR @ 6835'. MAKING NO HOLE. CIRC WELL CLEAN. PUMPED 350 BBLS TOTAL. R/D SWIVEL
14:30	1.00	15:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 6712' & LAND TBG. 161 JTS TOTAL IN HOLE.
15:30	1.50	17:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TBG TO SALES LINE. TURN OVER TO FLOW BACK.
17:00	3.00	20:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOVE RIG OFF LOCATION. SDFN.
20:00	10.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. TBG FLOWING TO SALES.

7-19-46 DLB 7/16/2013 06:00 - 7/17/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	RMOV	Rig Move	ROAD RIG F/ 5-20-46 DLB TO LOCATION.
07:30	1.50	09:00	SRIG	Rig Up/Down	R/U HOT OILER. KILL WELL. PUMPED 180 BBLS TOTAL.
09:00	2.00	11:00	BOPI	Install BOP's	N/D WELLHEAD. N/U BOP. R/U FLOOR & EQUIPMENT. CSG FLOWING SLIGHTLY. KILL CSG W/ 125 BBLS.
11:00	1.50	12:30	PULT	Pull Tubing	POOH W/ 92 JTS 2 7/8 TBG, L/D 68 JTS 2 3/8 TBG.
12:30	1.00	13:30	RUTB	Run Tubing	START RIH W/ 7" TAC & BHA. EOT @ 2911'. SDFN.
13:30	16.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE CREW TRAVEL.

7-19-46 DLB 7/17/2013 06:00 - 7/18/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.50	08:30	RUTB	Run Tubing	FINISH RIH W/ 7" TAC & BHA P/U TBG.
08:30	2.50	11:00	IWHD	Install Wellhead	N/D BOP. SHEARED TAC WHILE SETTING. N/U BOP. R/U FLOOR & EQUIPMENT.
11:00	2.00	13:00	PULT	Pull Tubing	POOH W/ TAC. 146 JTS.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	3.00	16:00	RUTB	Run Tubing	RIH W/ NEW 7" TAC & BHA. N/D BOP. SET TAC @ 4614', SN @ 4710' & EOT @ 4826'. R/U WELLHEAD. FLUSH TBG W/ 30 BBLS. PREP RODS. SDFN. 146 JTS 2-7/8 TBG. CENTRAL 7" TAC 8 RD.15K TENSION 3 JT 2-7/8 TBG. S/N. 4" PUP. DESANDER. 3 JTS 2-7/8 TBG. BULL PLUG
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

7-19-46 DLB 7/18/2013 06:00 - 7/19/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING. FLUSHED TBG W/ 40 BBLS MIX W/ CHEM.
07:00	3.00	10:00	RURP	Run Rods & Pump	P/U ROD PUMP & PRIME. RIH W/ PUMP P/U RODS. SPACE OUT & SEAT PUMP. FILL TBG & STROKE TEST PUMP TO 800 PSI, HELD. HANG HORSE HEAD. 1-1/2 x 40' POLISH ROD. PONY. 2', 8'. 83- 1" RODS. 4 PER MMS 78- 7/8" RODS. 4 PER MMS 118- 3/4" RODS. 4 PER MMS 32- 1" RODS. 4 PER MMS SHEAR SUB. PUMP 25-200-RHBC-36-5-36'.
10:00	1.00	11:00	SRIG	Rig Up/Down	R/D RIG. PWOP. MOL.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WELL ON PRODUCTION.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
20G0005500

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator BILL BARRETT CORPORATION Contact: CHRISTINA HIRTLER E-Mail: chirtler@billbarrettcorp.com			8. Lease Name and Well No. 7-19-46 DLB		
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		3a. Phone No. (include area code) Ph: 303-312-8597	9. API Well No. 43-013-34004		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE 1996FNL 1786FEL At top prod interval reported below SWNE 2007FNL 1810FEL At total depth SWNE 2022FNL 1816FEL			10. Field and Pool, or Exploratory ALTAMONT		
14. Date Spudded 04/26/2013			15. Date T.D. Reached 06/21/2013	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/03/2013	17. Elevations (DF, KB, RT, GL)* 7121 GL
18. Total Depth: MD 6972 TVD 6971		19. Plug Back T.D.: MD 6838 TVD 6837		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL,GR,CBL,MUD			22. Was well cored? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	80	80				
12.250	9.625 J-55	36.0	0	1707	1707	480	192	0	
8.750	7.000 P110	26.0	0	5077	5077	730	215	2556	
5.500	4.500 P110	11.6	0	6972	6928				

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4827							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	5173	5937	5173 TO 5937	0.380	135	OPEN
B) WASATCH	5960	6715	5960 TO 6715	0.380	144	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
1800 TO 3000	CEMENT SQUEEZE 800 SACKS PLUGCEM 1.47 YIELD 14.2 PPG
5173 TO 5937	GREEN RIVER SEE ATTACHED STAGES 4-6
5960 TO 6715	WASATCH SEE ATTACHED STAGES 1-3

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
07/03/2013	07/08/2013	24	→	491.0	125.0	23.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	SI 320	500.0	→	491	125	23	255	POW	

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #214939 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1819
				MAHOGANY	2510
				DOUGLAS CREEK	4415
				BLACK SHALE FACIES	5192
				CASTLE PEAK	5447
				UTELAND BUTTE	5750
				WASATCH	5960
				TD	6972

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. Conductor cemented with grout. Attached is Treatment data, Logs (CBL will be mailed due to file size) and End of Well Report.

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 #214939 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal**

Name (please print) CHRISTINA HIRTLER Title ADMINISTRATIVE ASSISTANT

Signature (Electronic Submission) Date 07/25/2013

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

RECEIVED: Jul. 25, 2013

7-19-46 DLB Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)				
AMOUNT AND TYPE OF MATERIAL				
<u>Stage</u>	<u>BBS Slurry</u>	<u>lbs 100 Common Mesh</u>	<u>lbs 20/40 White Sand</u>	<u>gal 15% HCl Acid</u>
1	3007		140100	3934
2	3172		150000	3904
3	3168		149900	3906
4	3353	14400	103700	3899
5	3399	13600	149900	3905
6	3370	13560	149800	3918

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

SPERRY-SUN DRILLING SERVICES

CERTIFIED SURVEY WORK SHEET

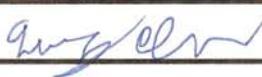
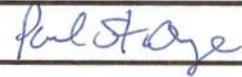
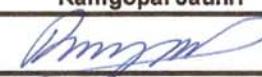
OPERATOR:	Bill Barrett Corp
WELL:	7-19-46 DLB
FIELD:	Dry Lake Bed
RIG:	Nabors M-22
LEGALS:	Sec. 19-T4S-R6W
COUNTY:	Duchesne
STATE:	Utah
CAL. METHOD:	Min. Curv.
MAG. DECL. APPLIED:	11.33
VERTICAL SEC. DIR. :	0.000

SSDS Job Number :	900410265
Start Date of Job :	5/28/2013
End Date of Job :	6/12/2013
Lead Directional Driller:	Wesley Cline
	Glen Kumm
Other SSDS DD's :	Paul St. Onge
SSDS MWD Engineers :	Ramgopal Jauhri

Geo Pilot Engineer :

	Main Hole =====>		1st Side Track =====>		2nd Side Track =====>		3rd Side Track =====>		4th Side Track =====>	
	Tie-on		Tie On		Tie On		Tie On		Tie On	
Surface Casing										
First Wireline Survey	SS		MWD							
Last Wireline Survey	SS									
KOP Depth/Sidetrack MD	KOP		KOP-ST1		KOP-ST2		KOP-ST3		KOP-ST4	
MWD Tie-on										
First MWD Survey Depth	155.00	MWD	MWD		MWD		MWD		MWD	
Last MWD Survey Depth	6903.00	MWD	MWD		MWD		MWD		MWD	
Bit Extrapolation @ TD	6950.00	T.D.	T.D.		T.D.		T.D.		T.D.	

The following Sperry Drilling Services personnel, certify the above survey information to be accurate to the best of our knowledge:

Print Name :	Wesley Cline	Print Name :	Glen Kumm	Print Name :	Paul St. Onge
Sign Name :		Sign Name :		Sign Name :	
Print Name :	Ramgopal Jauhri	Print Name :		Print Name :	
Sign Name :		Sign Name :		Sign Name :	

Examples of Survey Types:
 TieOn
 MWD
 ESS
 Gyro
 SS

Tie On to Surface Casing (Assumed Vertical), Tie On to existing MWD Survey (prior drilled hole)
 Sperry-Sun Drilling Services (SSDS) Measurement While Drilling (MWD) Survey's
 Sperry-Sun Drilling Services (SSDS) Electronic Survey System (ESS) Survey's
 Gyro Survey's ; Provided by third party vendor, or by Sperry-Sun Drilling Services (SSDS)
 Single Shot (SS) Survey's ; Provided by Sperry-Sun Drilling Services (SSDS) or third party vendor.



Design Report for 7-19-46 DLB - Sperry Final Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00
155.00	0.40	163.660	155.00	-0.52	0.15	-0.52	0.26
First Sperry MWD Survey @ 155.00' MD							
246.00	0.28	133.780	246.00	-0.98	0.40	-0.98	0.23
339.00	0.41	128.890	339.00	-1.34	0.83	-1.34	0.14
431.00	0.28	138.480	430.99	-1.72	1.23	-1.72	0.15
523.00	0.41	150.260	522.99	-2.17	1.54	-2.17	0.16
615.00	0.03	29.930	614.99	-2.44	1.72	-2.44	0.46
707.00	0.88	346.260	706.99	-1.73	1.56	-1.73	0.93
799.00	1.06	353.740	798.97	-0.20	1.30	-0.20	0.24
890.00	0.97	353.100	889.96	1.40	1.12	1.40	0.10
982.00	0.97	3.630	981.95	2.95	1.07	2.95	0.19
1,077.00	0.45	26.670	1,076.94	4.09	1.29	4.09	0.61
1,172.00	0.33	11.890	1,171.94	4.69	1.52	4.69	0.16
1,266.00	0.36	351.540	1,265.94	5.25	1.53	5.25	0.13
1,361.00	0.35	12.990	1,360.93	5.82	1.55	5.82	0.14
1,456.00	0.35	61.920	1,455.93	6.24	1.87	6.24	0.31
1,551.00	0.65	24.730	1,550.93	6.87	2.35	6.87	0.45
1,635.00	0.53	8.670	1,634.92	7.69	2.61	7.69	0.24
1,731.00	0.24	341.360	1,730.92	8.32	2.61	8.32	0.35
1,826.00	0.15	165.660	1,825.92	8.38	2.58	8.38	0.41
1,921.00	0.33	187.410	1,920.92	7.99	2.57	7.99	0.21
2,015.00	0.45	209.960	2,014.92	7.40	2.36	7.40	0.20
2,110.00	0.63	204.080	2,109.91	6.60	1.96	6.60	0.20
2,205.00	0.91	200.680	2,204.91	5.42	1.48	5.42	0.30
2,299.00	0.35	239.820	2,298.90	4.58	0.96	4.58	0.72
2,395.00	0.50	246.450	2,394.90	4.26	0.33	4.26	0.16
2,489.00	0.79	244.150	2,488.89	3.82	-0.63	3.82	0.31
2,584.00	0.32	78.630	2,583.89	3.58	-0.96	3.58	1.16
2,679.00	0.26	106.290	2,678.89	3.58	-0.49	3.58	0.16
2,774.00	0.23	118.610	2,773.89	3.42	-0.12	3.42	0.06
2,869.00	0.07	327.270	2,868.89	3.38	0.02	3.38	0.31
2,964.00	0.98	286.590	2,963.88	3.66	-0.79	3.66	0.98
3,059.00	2.69	294.100	3,058.83	4.81	-3.61	4.81	1.81
3,154.00	3.39	293.080	3,153.70	6.82	-8.23	6.82	0.74
3,249.00	3.45	291.100	3,248.53	8.95	-13.48	8.95	0.14
3,345.00	2.74	291.230	3,344.39	10.82	-18.31	10.82	0.74
3,440.00	1.82	266.020	3,439.31	11.54	-21.93	11.54	1.41
3,535.00	0.97	246.790	3,534.28	11.11	-24.18	11.11	1.01
3,630.00	0.96	206.220	3,629.27	10.08	-25.27	10.08	0.70
3,724.00	0.84	222.080	3,723.26	8.86	-26.08	8.86	0.29
3,819.00	0.72	212.610	3,818.25	7.85	-26.87	7.85	0.18
3,914.00	0.92	217.720	3,913.24	6.74	-27.65	6.74	0.22
4,007.00	1.22	197.620	4,006.23	5.20	-28.41	5.20	0.51
4,101.00	1.46	196.690	4,100.20	3.10	-29.06	3.10	0.26
4,195.00	0.38	204.340	4,194.19	1.67	-29.53	1.67	1.15
4,290.00	0.76	195.330	4,289.18	0.78	-29.83	0.78	0.41
4,385.00	0.81	137.510	4,384.17	-0.32	-29.54	-0.32	0.80
4,480.00	0.91	139.750	4,479.16	-1.40	-28.60	-1.40	0.11
4,575.00	1.21	158.670	4,574.15	-2.91	-27.75	-2.91	0.48



Design Report for 7-19-46 DLB - Sperry Final Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
4,670.00	0.79	124.900	4,669.13	-4.21	-26.84	-4.21	0.74
4,765.00	0.78	126.140	4,764.12	-4.97	-25.78	-4.97	0.02
4,860.00	0.94	161.450	4,859.11	-6.09	-25.01	-6.09	0.57
4,955.00	1.05	168.540	4,954.10	-7.68	-24.59	-7.68	0.17
5,029.00	1.06	175.170	5,028.09	-9.03	-24.40	-9.03	0.17
5,163.00	0.83	184.460	5,162.07	-11.23	-24.37	-11.23	0.21
5,258.00	0.31	45.680	5,257.07	-11.74	-24.24	-11.74	1.14
5,353.00	0.26	95.580	5,352.06	-11.58	-23.84	-11.58	0.26
5,449.00	0.49	170.940	5,448.06	-12.01	-23.56	-12.01	0.51
5,544.00	0.61	192.850	5,543.06	-12.90	-23.61	-12.90	0.25
5,639.00	0.83	184.760	5,638.05	-14.08	-23.78	-14.08	0.25
5,734.00	1.29	187.170	5,733.03	-15.83	-23.97	-15.83	0.49
5,830.00	0.35	249.210	5,829.03	-17.00	-24.38	-17.00	1.22
5,925.00	0.92	194.710	5,924.02	-17.84	-24.84	-17.84	0.81
6,019.00	0.31	282.630	6,018.02	-18.52	-25.28	-18.52	1.02
6,114.00	0.53	200.620	6,113.01	-18.87	-25.69	-18.87	0.61
6,209.00	0.69	205.600	6,208.01	-19.80	-26.09	-19.80	0.18
6,304.00	1.02	187.150	6,303.00	-21.15	-26.44	-21.15	0.45
6,400.00	0.68	322.850	6,398.99	-21.55	-26.89	-21.55	1.65
6,496.00	0.37	291.930	6,494.99	-20.98	-27.53	-20.98	0.43
6,591.00	0.47	241.410	6,589.99	-21.05	-28.15	-21.05	0.39
6,687.00	0.91	212.600	6,685.98	-21.88	-28.91	-21.88	0.57
6,782.00	0.91	197.760	6,780.97	-23.23	-29.55	-23.23	0.25
6,877.00	0.94	185.320	6,875.95	-24.73	-29.85	-24.73	0.21
6,903.00	1.15	184.570	6,901.95	-25.20	-29.89	-25.20	0.81
Last Sperry MWD Survey @ 6903.00' MD							
6,950.00	1.15	184.570	6,948.94	-26.14	-29.96	-26.14	0.00
Straight Line Projection to TD @ 6950.00' MD							

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
155.00	155.00	-0.52	0.15	First Sperry MWD Survey @ 155.00' MD
6,903.00	6,901.95	-25.20	-29.89	Last Sperry MWD Survey @ 6903.00' MD
6,950.00	6,948.94	-26.14	-29.96	Straight Line Projection to TD @ 6950.00' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/_S (ft)	+E/-W (ft)	
User	No Target (Freehand)	0.000	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
155.00	6,950.00	Sperry MWD Surveys	MWD



Design Report for 7-19-46 DLB - Sperry Final Surveys

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
7-19-46 DLB_BHL TG` - actual wellpath misses target center by 254.19ft at 6950.00ft MD (6948.94 TVD, -26.14 N, -29.96 E) - Point	0.00	0.00	7,200.00	0.00	0.00	652,091.28	2,251,275.50	40° 7' 12.731 N	110° 36' 5.260 W
7-19-46 DLB_SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	652,091.28	2,251,275.50	40° 7' 12.731 N	110° 36' 5.260 W
7-19-46 DLB_ZONE T1 - actual wellpath hits target center - Rectangle (sides W200.00 H200.00 D7,200.00)	0.00	0.00	0.00	0.00	0.00	652,091.28	2,251,275.50	40° 7' 12.731 N	110° 36' 5.260 W

North Reference Sheet for Sec. 19-T4S-R6W - 7-19-46 DLB - Plan A

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

Vertical Depths are relative to RKB 22' @ 7135.00ft (Nabors M22). Northing and Easting are relative to 7-19-46 DLB

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

Projection method is Lambert Conformal Conic (2 parallel)

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

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991118

Grid Coordinates of Well: 652,091.28 ft N, 2,251,275.50 ft E

Geographical Coordinates of Well: 40° 07' 12.73" N, 110° 36' 05.26" W

Grid Convergence at Surface is: 0.58°

Based upon Minimum Curvature type calculations, at a Measured Depth of 6,950.00ft

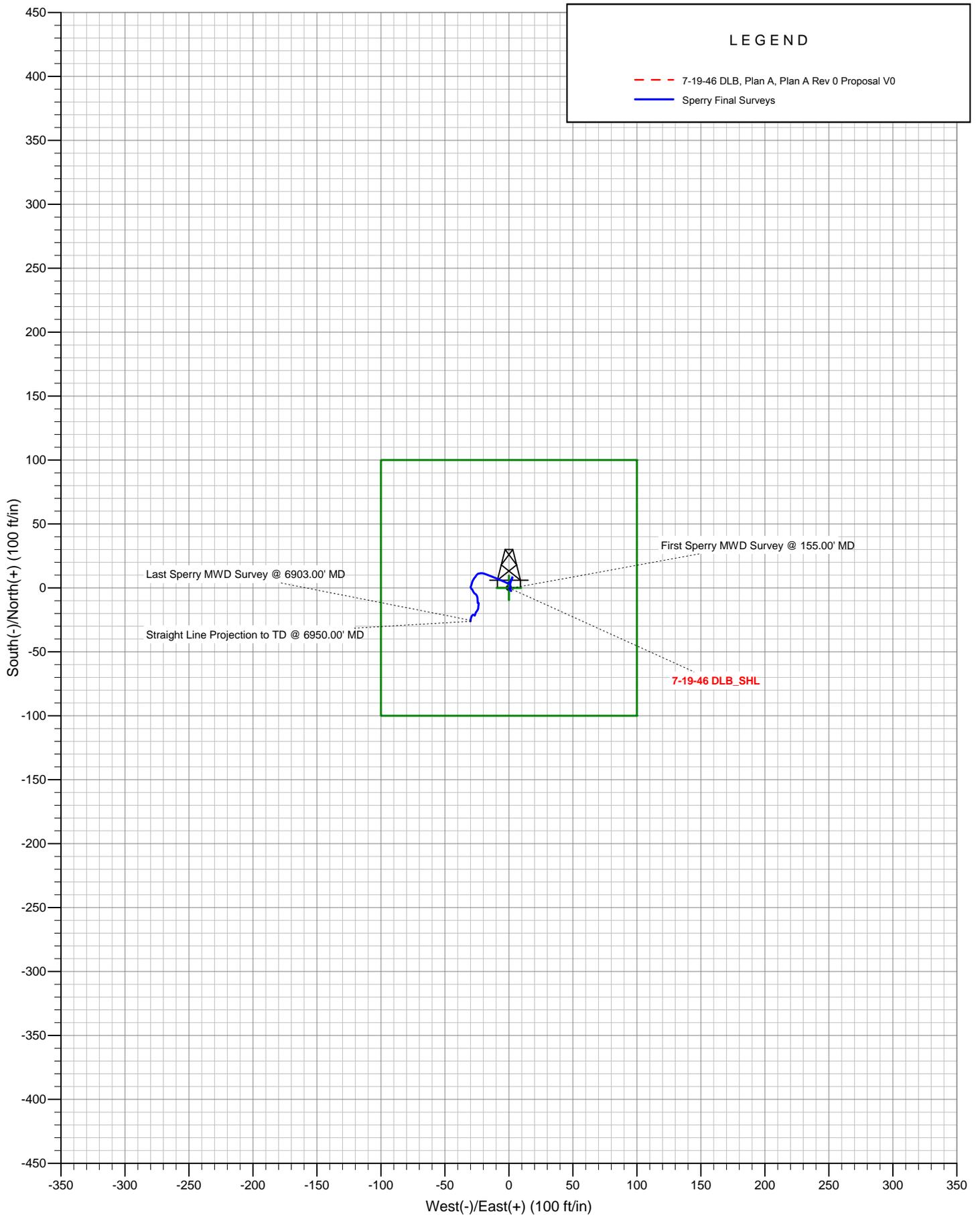
the Bottom Hole Displacement is 39.76ft in the Direction of 228.90° (True).

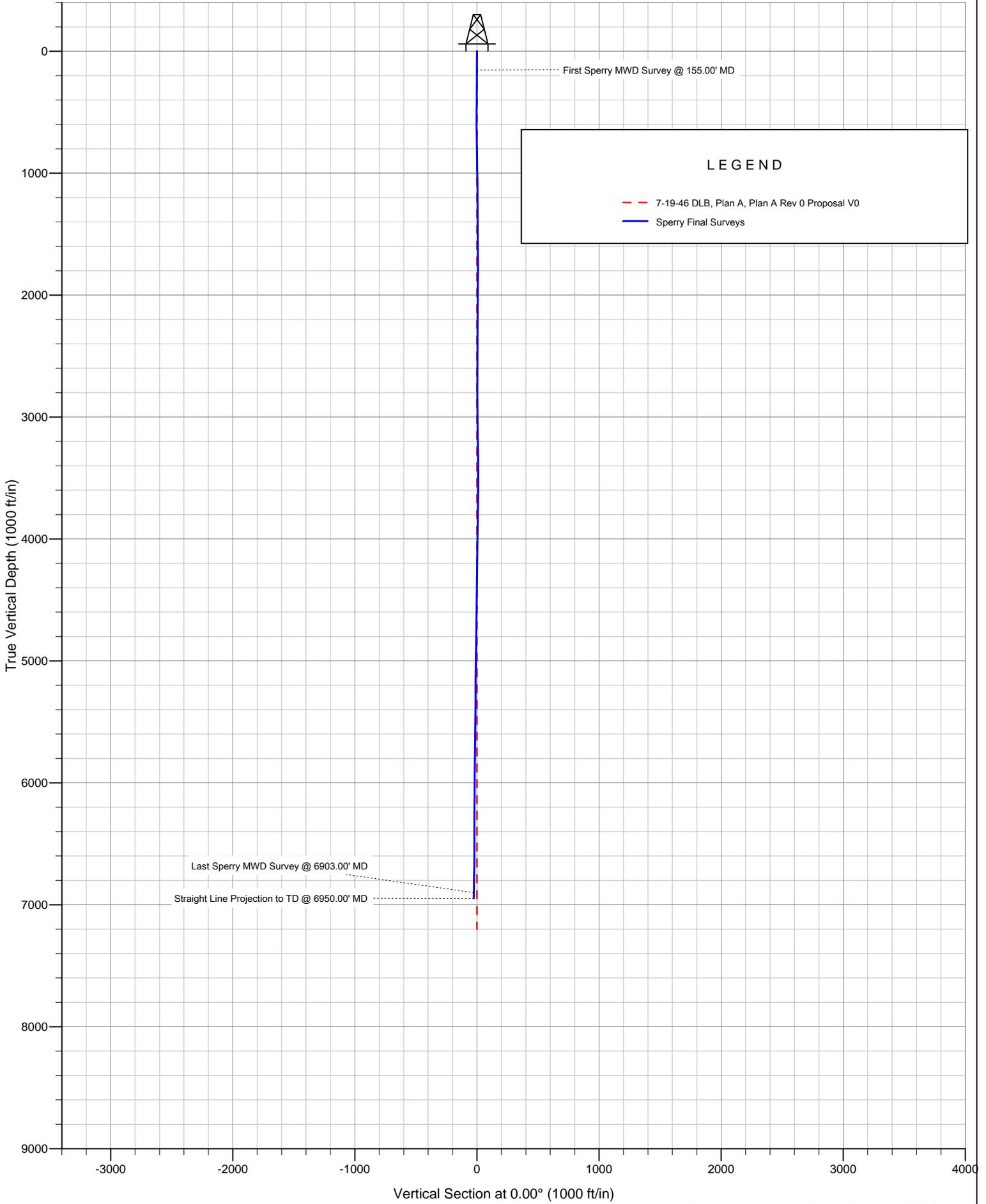
Magnetic Convergence at surface is: -10.75° (27 May 2013, , BGGM2012)

Magnetic Model: BGGM2012
 Date: 27-May-13
 Declination: 11.33°
 Inclination/Dip: 65.67°
 Field Strength: 51949

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

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





**7-19-46 DLB 5/26/2013 01:00 - 5/26/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
01:00	5.00	06:00	1	RIGUP & TEARDOWN	RDRT

7-19-46 DLB 5/26/2013 06:00 - 5/27/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	1	RIGUP & TEARDOWN	RDRT. Moved BOP wrangler, Pragma, tubulars, tanks, scoped derrick, squatted sub, laid derrick over onto stand. 1 crane, 4 trucks.
19:00	11.00	06:00	21	OPEN	Wait on daylight.

7-19-46 DLB 5/27/2013 06:00 - 5/28/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	1	RIGUP & TEARDOWN	MIRU. Pits, pumps, gens, sub set. Replaced crown sheave cluster. Rig 90% on loc, 40% rigged up.
19:00	11.00	06:00	1	RIGUP & TEARDOWN	Wait on daylight.

7-19-46 DLB 5/28/2013 06:00 - 5/29/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	RURT. Sub raised, derrick scoped, rigging up floor. ETA spud - this P.M.

7-19-46 DLB 5/29/2013 06:00 - 5/30/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	19.50	01:30	1	RIGUP & TEARDOWN	Finish rigging up. Install drilling spool, annular, riser w/rot head, flow line, flare lines. Do pre-spud check. Troubleshoot and repair drum encoder.
01:30	1.50	03:00	20	DIRECTIONAL WORK	PU bit, mm, dir tools. Scribe mm. Rig on daywork @ 01:30.
03:00	3.00	06:00	2	DRILL ACTUAL	Spud well @ 03:00 Drill 102' - 178'.

7-19-46 DLB 5/30/2013 06:00 - 5/31/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	Steerable drlg 178' - 591'. Rpm 40/180, spp 1250 psi, dp 350 psi, gpm 750, rop 64 fph. Running high-vis sweeps, circ res pit.
12:30	0.50	13:00	5	COND MUD & CIRC	C&C to toh.
13:00	2.00	15:00	6	TRIPS	Toh w/5 stds HWDP, PU (9) 6 1/2" DC's, Tih.
15:00	7.00	22:00	2	DRILL ACTUAL	Steerable drlg 591' - 1707. Rpm 57/204, spp 2150 psi, dp 350 psi, gpm 850, rop 159 fph. Running high-vis sweeps, circ res pit.
22:00	0.50	22:30	5	COND MUD & CIRC	C&C mud, pump sweep.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:30	1.50	00:00	6	TRIPS	Wiper trip to 6" DC's, hole in good shape, took proper amount of fill.
00:00	0.50	00:30	5	COND MUD & CIRC	C&C mud, pump sweep.
00:30	3.50	04:00	6	TRIPS	Toh. LD dir tools, bit.
04:00	2.00	06:00	12	RUN CASING & CEMENT	RU Frank's Casers, run 9 5/8" csg - details on next report.

7-19-46 DLB 5/31/2013 06:00 - 6/1/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	Finish running 9 5/8", 36#, J-55, ST&C csg as follows: GS, 1 jt csg, FC, 46 jts csg. Land @ 1707'.
08:00	2.50	10:30	5	COND MUD & CIRC	C&C while Halliburton rigged up.
10:30	2.00	12:30	12	RUN CASING & CEMENT	HSM. Cement well as follows: Press test to 3000#. Pump 7 bbls fresh H2O, 40 bbls Super Flush, 10 bbls fresh H2O. Mix and pump 240 sx(135 bbls) Halcem System lead cmt @ 11 ppg, 3.16 yld, 19.48 gpd H2O. Tail in w/240 sx(57 bbls) Halcem System cmt @ 14.8 ppg, 1.33 yld, 6.31 gps H2O. Shut down, drop plug, wash up on top of plug. Pump 128 bbls displacement. Intermittent returns, 22 bbls cmt to surface. Max press 489 psi, bump plug to 903 psi. Floats held, bled back 1 bbl.
12:30	2.00	14:30	13	WAIT ON CEMENT	W.O.C. Cmt standing @ surface. RD Halliburton.
14:30	4.00	18:30	21	OPEN	Lift stack, rough cut csg. ND riser, annular drilling spool. Make final cut on csg, weld on 11" 5M X 9 5/8" SOW csg head.
18:30	3.00	21:30	14	NIPPLE UP B.O.P	NUBOP, flow line, choke lines.
21:30	4.50	02:00	15	TEST B.O.P	HSM. RU bop tester. Test upper kelly, safety, dart valves, pipe and blind rams, Hcr, choke line, check valve, kill line valve, manifold valves, super choke and manual choke to 5000 psi f/10 min high, 250 psi low. Test hydril to 2500 psi. test csg to 1500 psi f/30 min. RD tester.
02:00	0.50	02:30	21	OPEN	Install wear bushing.
02:30	1.00	03:30	20	DIRECTIONAL WORK	PU dir tools, scribe mm.
03:30	2.00	05:30	6	TRIPS	Tih.
05:30	0.50	06:00	21	OPEN	Drill cmt & flt equip.

7-19-46 DLB 6/1/2013 06:00 - 6/2/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	Finish drlg flt equip & 20' to 1727'. Spot high-vis LCM pill, pull into csg. Close annular, perform F.I.T to 180 psi f/10.5 ppg EMW.
07:00	10.50	17:30	2	DRILL ACTUAL	Steerable drlg 1727' - 3017'. Rpm 60/94, 318 gpm, spp 1200 psi, dp 400 psi, rop 125 fph. Lost 1500 bbls mud, drilled f/2900' - 3017' w/out returns. BOP drill daylight.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	0.50	18:30	5	COND MUD & CIRC	Spot 60 bbl 65% lcm pill on bottom.
18:30	4.00	22:30	6	TRIPS	Toh to shoe, wait for pill to soak.
22:30	3.50	02:00	5	COND MUD & CIRC	Won't circ, pump 60 bbl 65% lcm pill, let soak.
02:00	1.00	03:00	6	TRIPS	Tih, washed last stand down.
03:00	2.00	05:00	2	DRILL ACTUAL	Drill 3017' - 3300' w/out returns, sweeping hole w/lcm.
05:00	0.50	05:30	5	COND MUD & CIRC	Spot different recipe pill.
05:30	0.50	06:00	6	TRIPS	Toh to shoe to let pill soak.

7-19-46 DLB 6/2/2013 06:00 - 6/3/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	Let pill soak. Try to circ, no circ.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	3.00	12:00	5	COND MUD & CIRC	Pump 60 vis, 65% lcm pill, let soak. Try to circ, no circ.
12:00	1.50	13:30	6	TRIPS	Tih, attempt to circ @ 2500' and 3000'.
13:30	3.50	17:00	2	DRILL ACTUAL	Steerable drlg 3300' - 3586'. 318 gpm, rpm 67/95, spp 1050 psi, dp 150 psi, rop 82 fph. No returns, running lcm sweeps, 30 % lcm in system.
17:00	1.00	18:00	5	COND MUD & CIRC	Spot 60 bbl, 55 vis, 60 % lcm pill.
18:00	3.00	21:00	6	TRIPS	Toh to 2600', spot 50 vis, 60% lcm pill, toh.
21:00	2.50	23:30	6	TRIPS	Stand back dir tools, tih open-ended to 2700'.
23:30	0.50	00:00	5	COND MUD & CIRC	Spot 70 bbl Drillchem pill - 15 ppb FIT, 30 ppb Blockade, 10 ppb Drillseal Med, DS coarse, & Drillseal extra coarse..
00:00	6.00	06:00	21	OPEN	Wait on pill to soak.

7-19-46 DLB 6/3/2013 06:00 - 6/4/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	21	OPEN	Wait on pill to soak.
07:30	3.00	10:30	6	TRIPS	Tih to 2500', no circ. Spot 100 bbl Drillchem pill, toh to shoe.
10:30	7.50	18:00	21	OPEN	Wait on Drillchem pill. BOP drill daylight.
18:00	4.00	22:00	6	TRIPS	Try to circ, no circ. Stage in hole to 3200', spot 100 bbl 55 vis 60% lcm pill w/Steel Seal @ 70 ppb. Toh to 2200' spot identical pill. Toh to shoe.
22:00	4.00	02:00	21	OPEN	Wait on pill.
02:00	2.50	04:30	5	COND MUD & CIRC	Circulated hole w/50 strokes, full returns. Close annular, press hole up to 225 psi, bled to 140 psi and held. Bled press off, stage in hole breaking circ every 200'. Lost circ @ 2550'. Spot 90 bbl 55 vis 60% lcm pill.
04:30	0.50	05:00	6	TRIPS	Toh to shoe.
05:00	1.00	06:00	21	OPEN	Wait on pill.

7-19-46 DLB 6/4/2013 06:00 - 6/5/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	21	OPEN	Wait on lcm pill.
08:30	1.50	10:00	5	COND MUD & CIRC	No circ, tih to 2200', spot 90 bbl 55 vis 60% lcm pill. Toh to shoe.
10:00	5.00	15:00	21	OPEN	Wait on pill to soak.
15:00	7.00	22:00	6	TRIPS	Had circ @ shoe, tried to squeeze, broke @ 150 psi. Staged in hole, had circ until 2530'. Tih to bottom, try to circ, no circ. Toh to 3000', spot 70 bbl 55 vis 60% lcm pill, toh.
22:00	2.00	00:00	6	TRIPS	PU cement retainer, tih. Set retainer @ 1523'.
00:00	6.00	06:00	21	OPEN	Wait on Halliburton cementers.

7-19-46 DLB 6/5/2013 06:00 - 6/6/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	21	OPEN	Wait on Halliburton. Cement showed up @ 09:30, pump truck broken, wait on truck repairs until 15:00.
16:00	3.00	19:00	18	SQUEEZE CEMENT	Finish rigging up cementers. Press test to 3000 psi. PIR - 1 bpm - 31 psi; 2 bpm - 350 psi; 3 bpm - 330 psi. Mix & pump 800 sx (209 bbls) cmt @ 14.2 ppg, 1.47 yld. 7.12 gps H2O. Displace w/21.7 bbls mud, shut down to suck 20 bbls overdisplacement; had to pump it - 3 bpm @ 75 psi. Stung out of retainer, reversed out 25 bbls clean. RD HES.
19:00	2.00	21:00	6	TRIPS	Toh. LD ret running tool.
21:00	9.00	06:00	13	WAIT ON CEMENT	W.O.C.

**7-19-46 DLB 6/6/2013 06:00 - 6/7/2013 06:00**

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	13	WAIT ON CEMENT	W.O.C.
12:00	2.00	14:00	6	TRIPS	PU bit, bit sub, tih. tag retainer @ 1523'.
14:00	8.00	22:00	21	OPEN	Drill retainer. Push to 1900', drill rest of ret & firm cmt @ 25-35 fph w/8 - 15k wob, 90 rpm to 2354'. Full returns.
22:00	0.50	22:30	5	COND MUD & CIRC	C&C mud, clean hole.
22:30	4.50	03:00	6	TRIPS	Toh, PU dir tools, Tih.
03:00	2.00	05:00	21	OPEN	Drill cmt 2354' - 2634'. Full returns w/350 gpm, 10k wob, 64/105 rpm.
05:00	0.50	05:30	7	LUBRICATE RIG	Rig service.
05:30	0.50	06:00	21	OPEN	Drill cmt 2634' - 2730'. 350 gpm, 5-15k wob, 64/105 rpm. Full returns.

7-19-46 DLB 6/7/2013 06:00 - 6/8/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	21	OPEN	Drill cmt f/2730' - 2850', cmt ended, few stringers. W&R to 3015'. 100% cmt and full returns until 2750' - lost returns. Pump lcm sweeps and drill cmt w/no returns f/2750'.
09:00	1.50	10:30	5	COND MUD & CIRC	Pull up to 2650', spot 80 bbl 55 vis 55% lcm pill.
10:30	2.00	12:30	6	TRIPS	Toh. Stand back dir tools.
12:30	2.00	14:30	21	OPEN	Clean pill tank, troubleshoot and replace pit valves.
14:30	6.00	20:30	5	COND MUD & CIRC	Mix and spot 100 bbl Turbo-Chem squeeze pill.
20:30	1.00	21:30	6	TRIPS	Toh to shoe.
21:30	8.00	05:30	21	OPEN	Try to squeeze pill, wouldn't squeeze. Wait 4 hrs, try again, no squeeze, wait 3 hrs, try again, no squeeze, DP on vacuum.
05:30	0.50	06:00	6	TRIPS	Toh.

7-19-46 DLB 6/8/2013 06:00 - 6/9/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	6	TRIPS	Toh.
06:30	3.00	09:30	6	TRIPS	PU dir tools, tih.
09:30	7.50	17:00	2	DRILL ACTUAL	Steerable drlg 3586' - 4153'. No returns, 320 gpm, rpm 57/96, spp 600 psi, rop 76 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.
17:30	12.00	05:30	2	DRILL ACTUAL	Steerable drlg 4153' - 5006'. No returns, 320 gpm, rpm 57/96, spp 600 psi, rop 71 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

7-19-46 DLB 6/9/2013 06:00 - 6/10/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	Steerable drlg 5006' - 5080' w/no returns. TD Intermediate @ 5080'.
06:30	1.00	07:30	5	COND MUD & CIRC	Pump sweep.
07:30	1.50	09:00	6	TRIPS	ST to 3586'. Hole in good shape.
09:00	0.50	09:30	5	COND MUD & CIRC	Pump sweep.
09:30	6.00	15:30	6	TRIPS	LDDP, BHA.
15:30	0.50	16:00	21	OPEN	Pull wear bushing.



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
16:00	7.00	23:00	12	RUN CASING & CEMENT	HSM. RU Frank's, run 7", 26#, P-110, LT&C csg as follows: Down jet float shoe, 1 jt csg, float collar, 61 jts csg, DV tool @ 2499', 60 jts to surf (122 total). RD Frank's.	
23:00	2.00	01:00	5	COND MUD & CIRC	C&C f/cem. RU Halliburton.	
01:00	5.00	06:00	12	RUN CASING & CEMENT	HSM. Cement well as follows: Press test to 5000 psi. Pump 40 bbls Super Flush, Mix & pump 430 sx (111.5 bbls) Bondcem @ 13.5 ppg, 1.45 yld, 6.77 gps H2O. Shut down, wash to pit, drop plug. Pump 192.68 bbls Cla-Web/Aldacide displacement. Floats held, drop dart, wait 15 min, press up, open tool. Pump 50 bbls H2O, Mix & pump 200 sx lead on 2nd stage @ report time - details on next report. Notification sent 6-8-13 to BLM & state. Called Michael Lee w/Vernal BLM @ office & cell phone for verbal - no reply.	

7-19-46 DLB 6/10/2013 06:00 - 6/11/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	12	RUN CASING & CEMENT	Cmt 2nd stage as follows: 50 bbl H2O spacer, Mix & pump 200 sx(82 bbls) cmt @ 11 ppg, 2.32 yld, 10.61 gps H2O. Tail in w/100 sx (21.2 bbls) cmt @ 15.6 ppg, 1.19 yld, 5.32 gps H2O. Drop plug, displace w/ 95.5 bbls. Max press 350 psi, bump plug w/1800 psi, floats held, bled back 1 bbl.	
08:00	1.00	09:00	14	NIPPLE UP B.O.P	NDBOP. Set slips, cut off csg, install weldament.	
09:00	2.00	11:00	14	NIPPLE UP B.O.P	NUBOP. X/O pipe rams.	
11:00	5.00	16:00	15	TEST B.O.P	Test bop - test tiw, dart, pipe and blind rams, inside valves, hcr, kill valve, choke line, manifold, guage valve, check valve, superchoke 5000 psi high, 250 psi low. Annular - 2500 psi. Test csg to 1500 psi f/30 min. RD tester.	
16:00	1.00	17:00	6	TRIPS	PU new bit, mm, BHA.	
17:00	1.00	18:00	7	LUBRICATE RIG	Rig service. Slip & cut drill line.	
18:00	3.00	21:00	6	TRIPS	PU DP.	
21:00	2.00	23:00	21	OPEN	Tag cmt @ 2490', drill DV tool.	
23:00	3.00	02:00	6	TRIPS	PU DP.	
02:00	1.50	03:30	21	OPEN	Tag cmt @ 5030', drill FC, FS, 20' form to 5100'. Spot lcm pill, perform F.I.T. to 530 psi f/10.5 ppg EMW.	
03:30	2.00	05:30	2	DRILL ACTUAL	Steerable drlg 5100' - 5336'. wob 10-15k, rpm 59/127, spp 1900 psi, dp 450 psi, rop 128 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.	

7-19-46 DLB 6/11/2013 06:00 - 6/12/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 5336' - 6161'. wob 10-15k, rpm 59/125, spp 2300 psi, dp 450 psi, rop - 75 fph.	
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.	
17:30	10.00	03:30	2	DRILL ACTUAL	Steerable drlg 5336' - 6928'. wob 10-15k, rpm 59/125, spp 2500 psi, dp 450 psi, rop - 77 fph. Bop drill morning tour.	
03:30	0.50	04:00	7	LUBRICATE RIG	Rig Service.	
04:00	0.50	04:30	2	DRILL ACTUAL	Drill 6928' - 6950'. TD well @ 6950'.	
04:30	1.00	05:30	5	COND MUD & CIRC	C&C mud f/ST.	
05:30	0.50	06:00	6	TRIPS	Flow check, ST to shoe. Hole in good shape, taking proper amount of fill.	

7-19-46 DLB 6/12/2013 06:00 - 6/13/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.50	07:30	6	TRIPS	Finish ST. Hole in good shape.	
07:30	1.00	08:30	5	COND MUD & CIRC	Pump sweep, C&C f/logs.	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
08:30	3.50	12:00	6	TRIPS	Toh f/logs. LD BHA. Function test blind rams.
12:00	8.00	20:00	11	WIRELINE LOGS	HSM. RU Halliburton WL. Run quad combo-Density, Dual Spaced Neutron, Borehole Sonic Array, Micro spherically Focused log, Dual Lateralog in open hole, Gamma to surf. RD HES.
20:00	3.00	23:00	6	TRIPS	Tih.
23:00	1.50	00:30	5	COND MUD & CIRC	C&C f/liner. Pump slug.
00:30	4.50	05:00	6	TRIPS	Toh. LD 60 jts DP. Stand back HWDP & 45 stds DP to run liner.
05:00	1.00	06:00	12	RUN CASING & CEMENT	HSM. RU casers. Start running 4 1/2", 11.6#, P-110 LT&C liner.

7-19-46 DLB 6/13/2013 06:00 - 6/14/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Run liner.
07:00	0.50	07:30	7	LUBRICATE RIG	Rig Service.
07:30	7.50	15:00	12	RUN CASING & CEMENT	Finish running 4 1/2", 11.6#, P-110, LT&C csg liner as follows: Flt shoe, 2 jts csg, flt collar, landing collar, 45 jts csg, liner hanger, 21 jts HWDP, 133 jts DP.
15:00	1.00	16:00	5	COND MUD & CIRC	CIRC TWO B/U
16:00	6.00	22:00	12	RUN CASING & CEMENT	S/M - R/U CEMENTERS TEST LINES @ 9500 PSI, PUMP 40 BBLs TUNED SPACER, 44 BBLs 170 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.83 GAL/SK, SHUT DOWN WASH LINES DROP PLUG PUMP 25 BBLs WATER, 10 BBLs TUNED SPACER, 31.7 BBLs DRILLING MUD, BUMP PLUG PRSSURE UP 500 PSI OVER TO 1600 PSI, PRESSURE UP TO 2500 PSI REPTURE DISCS, DROP BALL AND SET LINER HANGER (9000 PSI TO SET HANGER) PULL TEST TO 170K, RELEASE RUNNING TOOL & PRESSURE TEST HANGER TO 2100 PSI, RELEASE PRESSURE & CIRC HOLE WITH CLAYWEB WATER - R/D CEMENTERS - FULL RETURNS DURING JOB - NO CEMENT TO SURFACE WHILE CIRCULATING HOLE
22:00	4.00	02:00	6	TRIPS	L/D DRILL PIPE & HWDP
02:00	2.50	04:30	14	NIPPLE DOWN B.O.P	NIPPLE DOWN BOP - CHOKE LINE & FLOW LINE
04:30	1.50	06:00	21	OPEN	CLEAN MUD TANKS - RIGGING DOWN WHILE CLEANING MUD TANKS - RIG RELEASED @ 0600 HRS 6/14/13

7-19-46 DLB 6/18/2013 06:00 - 6/19/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

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

7-19-46 DLB 6/19/2013 06:00 - 6/20/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.
06:00		06:00	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00		06:00	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 6,745', Drilling Report Shows FC At 6,836', 91' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 6,745', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 06-12-2013. Run Repeat Section From 6,745 - 6,545', Log Up Hole. Showed Good Bond From TD To 5,100, 5,100 - 4,868' Poor/Free Pipe, 4,868 - 2,900 Fair/Good, 2,900 - 2,540' Spotty. TOC 2,540'. Found Short Joint At 5,959 - 5,981. Ran With Pressure. Pooh, RD Equipment, MOL.	
06:00		06:00	LOCL	Lock Wellhead & Secure	WSI And Secured	

7-19-46 DLB 6/28/2013 06:00 - 6/29/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	GOP	General Operations	Setting And Filling Frac Line. Rig Up FlowBack And SandTrap. NU Frac Mandrel And Frac Tree, Test Casing. Test FlowBack And SandTrap.	

7-19-46 DLB 6/29/2013 06:00 - 6/30/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	GOP	General Operations	Finish Setting Frac Line. Fill Frac Line. HES Set Mover And Manifold. Prep For Frac.	

7-19-46 DLB 6/30/2013 06:00 - 7/1/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	24.00	06:00	GOP	General Operations	Finish Filling KCL Side Of Frac Line. Produced 5-6 Loads From Full. Heat KCL.	

7-19-46 DLB 7/1/2013 06:00 - 7/2/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL TO LOCATION.	
07:00	2.00	09:00	SRIG	Rig Up/Down	HSM. MIRU SLB.	
09:00	1.50	10:30	PFRT	Perforating	PU GUNS FOR STG 1. RIH AND CORRELATE TO SJ AT 7730+'-7752+'. RUN DOWN AND PERF CR-3 AND CR-4 FORM 6474'-6715' WITH 54 HOLES IN 18' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT WELL IN.	
10:30	5.00	15:30	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.	
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.	

7-19-46 DLB 7/2/2013 06:00 - 7/3/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00	SMTG	Safety Meeting	HES AOL 03:30. RUN QC ON FLUIDS. PRIME UP CHEMS AND PUMP. HSM- RED ZONE, PPE, SPILL PROTECTION. SMOKING. PARKING. SPOTTING LOADS.
06:00		06:00	FRAC	Frac. Job	FRAC STG #1- CR-3 AND CR-4 PERFS 6474'-6715' WITH 54 HOLES IN 18' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 455 PSI AT 04:30 BREAK DOWN 3140 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 108 BIO BALLS FOR DIVERSION. 10.5 BPM AT 1842 PSI. FLUSH W/ 8871 GAL. 30.2 BPM AT 2585 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 2939 PSI. ISDP 1235. FG .63. PERFS OPEN 27/54. CONT FR PAD. 70.5 BPM AT 2603 PSI. STAGE HYBOR PAD 70.1 BPM AT 2459 PSI. STAGE TO 2 PPA 20/40 WHITE. 69.0 BPM AT 2616 PSI. ON PERFS 70.2 BPM AT 2278 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.3 BPM AT 2210 PSI. ON PERFS 70.4 BPM AT 2007 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.4 BPM AT 1950 PSI. ON PERFS 70.4 BPM AT 1886 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.7 BPM AT 1884 PSI. ON PERFS 70.1 BPM AT 1873 PSI. FLUSH 70.2 BPM AT 2275 PSI. WSI WITH 1280 PSI. TURN OVER TO WIRELINE. ISIP 1285, FG .63, MR 70.7 BPM, MP 2622 PSI, AR 70.2 BPM, AP 2090 PSI. PMP 140,100 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 64,167 GAL 20# HYBOR G (16) 58,210 GAL TOT CLEAN 126,279 GAL BWTR 3006 BBLs
06:00	0.75	06:45	PFRT	Perforating	PERF STG #2- PU EXELIS 4-1/2" CBP AND GUNS FOR INTO LUB AND EQUALIZE 1150 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5959'-5981'. RUN DOWN AND SET CBP AT 6462' WITH 1150 PSI. PULL UP AND PERF CR-2 AND CR-3 FORM 6205'-6442' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 750 PSI.
06:45	1.34	08:05	FRAC	Frac. Job	FRAC STG #2- CR-2 AND CR-3 PERFS 6205'-6442' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 444 PSI AT 06:54 BREAK DOWN 2135 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1328 PSI. FLUSH W/ 8696 GAL. 34.6 BPM AT 1877 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2439 PSI. ISDP 1212. FG .63. PERFS OPEN 32/45. CONT FR PAD. 70.6 BPM AT 2330 PSI. STAGE HYBOR PAD 70.5 BPM AT 2182 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2277 PSI. ON PERFS 70.2 BPM AT 1964 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.3 BPM AT 1819 PSI. ON PERFS 70.1 BPM AT 1830 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.1 BPM AT 1843 PSI. ON PERFS 70.2 BPM AT 1829 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.1 BPM AT 1786 PSI. ON PERFS 70.9 BPM AT 1819 PSI. FLUSH 70.6 BPM AT 2260 PSI. WSI WITH 1400 PSI. TURN OVER TO WIRELINE. ISIP 1407, FG .66, MR 70.4 BPM, MP 2383 PSI, AR 70.2 BPM, AP 1920 PSI. PMP 150,000 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 66,809 GAL 20# HYBOR G (16) 62,507 GAL TOT CLEAN 133,220 GAL BWTR 3172 BBLs
08:05	1.00	09:05	PFRT	Perforating	PERF STG #3- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 1300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5959'-5981'. RUN DOWN AND SET CBP AT 6200' WITH 1250 PSI. PULL UP AND PERF WASATCH AND CR-2 FORM 5960'-6182' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 950 PSI.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:05	1.25	10:20	FRAC	Frac. Job	<p>FRAC STG 3- WASATCH AND CR-2 PERFS 5960'-6182' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 863 PSI AT 09:11 BREAK DOWN 1339 PSI AT 9.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1291 PSI. FLUSH W/ 8536 GAL. 29.9 BPM AT 1653 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 2593 PSI. ISDP 965. FG .60. PERFS OPEN 27/45. CONT FR PAD. 70.3 BPM AT 2320 PSI. STAGE HYBOR PAD 70.3 BPM AT 2113 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.1 BPM AT 2105 PSI. ON PERFS 70.4 BPM AT 1821 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.4 BPM AT 1709 PSI. ON PERFS 70.5 BPM AT 1571 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.3 BPM AT 1516 PSI. ON PERFS 70.4 BPM AT 1472 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.4 BPM AT 1464 PSI. ON PERFS 70.6 BPM AT 1477 PSI. FLUSH 70.4 BPM AT 1902 PSI. WSI WITH 1200 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 1149, FG .63, MR 70.5 BPM, MP 2123 PSI, AR 70.4 BPM, AP 1620 PSI. PMP 149,500 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 66,402 GAL 20# HYBOR G (16) 62,735 GAL TOT CLEAN 133,037 GAL BWTR 3167 BBLs</p>
10:20	1.08	11:25	PFRT	Perforating	<p>PERF STG #4- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 1050 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5950' WITH 1050 PSI. PULL UP AND PERF UTELAND BUTTE AND CR-1 FORM 5733'-7937' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 1000 PSI.</p>
11:25	1.25	12:40	FRAC	Frac. Job	<p>FRAC STG 4- UTELAND BUTTES AND CR-1 PERFS 5733'-5937' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 862 PSI AT 11:26 BREAK DOWN 1622 PSI AT 9.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1038 PSI. FLUSH W/ 8388 GAL. 29.9 BPM AT 1219 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 2230 PSI. ISDP 907. FG .60. PERFS OPEN 30/45. CONT FR PAD. 70.4 BPM AT 1874 PSI. STAGE TO .75 PPA 100 MESH PAD 70.4 BPM AT 1764 PSI. ON PERFS 70.5 BPM AT 1811 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.3 BPM AT 1787 PSI. ON PERFS 70.4 BPM AT 1703 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.5 BPM AT 1624 PSI. ON PERFS 70.4 BPM AT 1520 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.4 BPM AT 1498 PSI. ON PERFS 70.4 BPM AT 2618 PSI. NOTE: VIS FELL FROM 16 TO 7 DURING 3 PPA. WASN'T ABLE TO GET VIS BACK AND START PRESSURING UP. CUT SAND AND FLUSH. FLUSH 70.5 BPM AT 3031 PSI. WSI WITH 700 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 789, FG .57, MR 70.6 BPM, MP 2570 PSI, AR 70.5 BPM, AP 1692 PSI. PMP 14,400 LBS 100 MESH 103,700 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 69,433 GAL 20# HYBOR G (16) 67,487 GAL TOT CLEAN 140,821 GAL BWTR 3353 BBLs</p>
12:40	1.00	13:40	PFRT	Perforating	<p>PERF STG #5- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 800 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5723' WITH 750 PSI. PULL UP AND PERF CASTLE PEAK FORM 5487'-5703' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 750 PSI.</p>



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
13:40	1.33	15:00	FRAC	Frac. Job	<p>FRAC STG 5- CASTLE PEAK PERFS 5487'-5703' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9000 PSI. OPEN WELL W/ 597 PSI AT 13:45 BREAK DOWN 897 PSI AT 10.2 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 902 PSI. FLUSH W/ 8227 GAL. 30.3 BPM AT 1027 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 1940 PSI. ISDP 717. FG .57. PERFS OPEN 31/45. CONT FR PAD. 70.5 BPM AT 1570 PSI. STAGE TO .75 PPA 100 MESH PAD 70.5 BPM AT 1477 PSI. ON PERFS 70.5 BPM AT 1484 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.5 BPM AT 1505 PSI. ON PERFS 70.5 BPM AT 1395 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.6 BPM AT 1320 PSI. ON PERFS 70.5 BPM AT 1250 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.6 BPM AT 1230 PSI. ON PERFS 70.5 BPM AT 1191 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.5 BPM AT 1122 PSI. ON PERFS 70.5 BPM AT 1083 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.6 BPM AT 1081 PSI. ON PERFS 70.6 BPM AT 1073 PSI. FLUSH 70.5 BPM AT 1441 PSI. WSI WITH 800 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 847, FG .59, MR 70.6 BPM, MP 1518 PSI, AR 70.5 BPM, AP 1270 PSI. PMP 13,600 LBS 100 MESH 149,900 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 66,033 GAL 20# HYBOR G (16) 72,820 GAL TOT CLEAN 142,753 GAL BWTR 3398 BBLS</p>
15:00	1.00	16:00	PFRT	Perforating	<p>PERF STG #6- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 850 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5723' WITH 750 PSI. PULL UP AND PERF BLACK SHALE AND CASTLE PEAK FORM 5172'-5458' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN WELL OVER TO HES WITH 700 PSI.</p>
16:00	1.75	17:45	FRAC	Frac. Job	<p>FRAC STG 6- BLACK SHALE AND CASTLE PEAK PERFS 5173'-5458' WITH 45 HOLES IN 15' NET. PRESSURE TEST LINES TO 9000 PSI. OPEN WELL W/ 579 PSI AT 16:03 BREAK DOWN 693 PSI AT 10.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 661 PSI. FLUSH W/ 8022 GAL. 30.5 BPM AT 928 PSI. ATTEMPT BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 1483 PSI. ISDP 754. FG .58. PERFS OPEN 41/45. CONT FR PAD. 70.5 BPM AT 1464 PSI. STAGE TO .75 PPA 100 MESH PAD 70.3 BPM AT 1490 PSI. ON PERFS 70.5 BPM AT 1496 PSI. STAGE TO 1 PPA 20/40 WHITE. 70.5 BPM AT 1521 PSI. ON PERFS 70.2 BPM AT 1538 PSI. STAGE TO 2 PPA 20/40 WHITE. 70.5 BPM AT 1481 PSI. ON PERFS 70.4 BPM AT 1386 PSI. STAGE TO 3 PPA 20/40 WHITE. 70.4 BPM AT 1276 PSI. ON PERFS 70.4 BPM AT 1256 PSI. STAGE TO 3.5 PPA 20/40 WHITE. 70.5 BPM AT 1229 PSI. ON PERFS 70.4 BPM AT 1180 PSI. STAGE TO 4 PPA 20/40 WHITE. 70.3 BPM AT 1155 PSI. ON PERFS 70.4 BPM AT 1295 PSI. FLUSH 70.3 BPM AT 1587 PSI. WSI WITH 900 PSI. TURN OVER TO WIRELINE.</p> <p>ISIP 970, FG .62, MR 70.7 BPM, MP 1579 PSI, AR 70.4 BPM, AP 11359 PSI. PMP 13,560 LBS 100 MESH 159,800 LBS 20/40 WHITE. 250 LBS SCALE SORB 3 SLK WTR 65,587 GAL 20# HYBOR G (16) 72,070 GAL TOT CLEAN 141,557 GAL BWTR 3370 BBLS</p>
17:45	1.00	18:45	WLWK	Wireline	<p>SET KILL PLUG- PU EXELIS 4-1/2" CBP AND GUNS INTO LUB AND EQUALIZE 850 PSI. OPEN WELL AND RIH. CORRELATE TO 4-1/2" LT AT 4869'. RUN DOWN AND SET CBP AT 5140' WITH 750 PSI.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:45	2.00	20:45	SRIG	Rig Up/Down	RDMO SLB AND HES.
20:45	9.25	06:00	GOP	General Operations	STACK WTR. MOVE TANKS OFF LOCATION.

7-19-46 DLB 7/3/2013 06:00 - 7/4/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
08:00	3.00	11:00	BOPI	Install BOP's	SIWP- 0. N/D FRAC TREE. N/U BOP & HYDRILL. R/U FLOOR & EQUIPMENT. SPOT CATWALK & PIPE RACKS. LOAD 2-7/8 TBG ON RACKS & TALLY TBG.
11:00	4.00	15:00	RUTB	Run Tubing	P/U 3-7/8 BIT, POBS, 1 JT 2-3/8 TBG, 1.875 XN- NIPPLE & 68 JTS 2-3/8 TBG.. RIH P/U NEW 2-7/8 L-80 TBG TO KILL PLUG @ 5140'
15:00	4.50	19:30			R/U POWER SWIVEL. TEST BOP & CIRC EQUIPMENT TO 2500 PSI, HELD. BREAK CIRC W/ NIT/FOAM UNIT. D/O KILL PLUG @ 5140'. FCP- 800. SWIVEL IN HOLE. TAG SAND @ 5473'. C/O SAND & D/O CBP @ 5478'. FCP- 750 ON 32/64 CHOKE. SWIVEL IN HOLE, TAG SOLID @ 5490'. MAKING NO HOLE. TORQUING REALLY BAD. R/D SWIVEL.
19:30	1.00	20:30	PULT	Pull Tubing	POOH TO 3277'. SDFN. TURN WELL OVER TO FLOW BACK.
20:30	9.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

7-19-46 DLB 7/4/2013 06:00 - 7/5/2013 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-013-34004	Utah	Duchesne	Brundage Canyon/Lake Canyon	PRODUCING	1,707.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.00	08:00	WKLL	Kill Well	ROLL HOLE W/ 160 BBLS, SLIGHT FLOW.
08:00	1.00	09:00	PULT	Pull Tubing	POOH W/ 3-7/8 BIT F/ 3277'. MISSING ONE CONE OFF OF BIT.
09:00	1.50	10:30	RUTB	Run Tubing	RIH W/ 3-3/4 JUNK MILL, POBS, 1 JT 2-3/8 TBG, 1.87 XN- NIPPLE, 68 JTS 2-3/8 TBG, X-O & 2-7/8 TBG TO 5490'.
10:30	4.00	14:30	CLN	Clean Out Hole	R/U SWIVEL. BREAK CIRC W/ RIG PUMP. MILL UP CONE & BOTTOM HALF OF CBP & FELL FREE. SWIVEL IN HOLE. TAG SAND @ 5698'. C/O SAND & D/O CBP @ 5723'. FCP- 50 0N 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 5945'. C/O SAND & D/O CBP @ 5950'. FCP- 50 0N 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 6182'. C/O SAND & D/O CBP @ 6200'. FCP- 200 0N 64/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 6445'. C/O SAND & D/O CBP @ 6462'. FCP- 400 0N 64/64 CHOKE SWIVEL IN HOLE, TAG SAND @ 6711'. C/O TO FLOAT COLLAR @ 6835'. MAKING NO HOLE. CIRC WELL CLEAN. PUMPED 350 BBLS TOTAL. R/D SWIVEL
14:30	1.00	15:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 6712' & LAND TBG. 161 JTS TOTAL IN HOLE.
15:30	1.50	17:00	IWHD	Install Wellhead	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF. R/U TBG TO SALES LINE.TURN OVER TO FLOW BACK.
17:00	3.00	20:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. MOVE RIG OFF LOCATION. SDFN.
20:00	10.00	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. TBG FLOWING TO SALES.



7-19-46 DLB 7/16/2013 06:00 - 7/17/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	RMOV	Rig Move	ROAD RIG F/ 5-20-46 DLB TO LOCATION.
07:30	1.50	09:00	SRIG	Rig Up/Down	R/U HOT OILER. KILL WELL. PUMPED 180 BBLs TOTAL.
09:00	2.00	11:00	BOPI	Install BOP's	N/D WELLHEAD. N/U BOP. R/U FLOOR & EQUIPMENT. CSG FLOWING SLIGHTLY. KILL CSG W/ 125 BBLs.
11:00	1.50	12:30	PULT	Pull Tubing	POOH W/ 92 JTS 2 7/8 TBG, L/D 68 JTS 2 3/8 TBG.
12:30	1.00	13:30	RUTB	Run Tubing	START RIH W/ 7" TAC & BHA. EOT @ 2911'. SDFN.
13:30	16.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE CREW TRAVEL.

7-19-46 DLB 7/17/2013 06:00 - 7/18/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	1.50	08:30	RUTB	Run Tubing	FINISH RIH W/ 7" TAC & BHA P/U TBG.
08:30	2.50	11:00	IWHD	Install Wellhead	N/D BOP. SHEARED TAC WHILE SETTING. N/U BOP. R/U FLOOR & EQUIPMENT.
11:00	2.00	13:00	PULT	Pull Tubing	POOH W/ TAC. 146 JTS.
13:00	3.00	16:00	RUTB	Run Tubing	RIH W/ NEW 7" TAC & BHA. N/D BOP. SET TAC @ 4614', SN @ 4710' & EOT @ 4826'. R/U WELLHEAD. FLUSH TBG W/ 30 BBLs. PREP RODS. SDFN. 146 JTS 2-7/8 TBG. CENTRAL 7" TAC 8 RD.15K TENSION 3 JT 2-7/8 TBG. S/N. 4' PUP. DESANDER. 3 JTS 2-7/8 TBG. BULL PLUG
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

7-19-46 DLB 7/18/2013 06:00 - 7/19/2013 06:00

API/UWI 43-013-34004	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 1,707.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING. FLUSHED TBG W/ 40 BBLs MIX W/ CHEM.
07:00	3.00	10:00	RURP	Run Rods & Pump	P/U ROD PUMP & PRIME. RIH W/ PUMP P/U RODS. SPACE OUT & SEAT PUMP. FILL TBG & STOKE TEST PUMP TO 800 PSI, HELD. HANG HORSE HEAD. 1-1/2 x 40' POLISH ROD. PONY. 2', 8'. 83- 1" RODS. 4 PER MMS 78- 7/8" RODS. 4 PER MMS 118- 3/4" RODS. 4 PER MMS 32- 1" RODS. 4 PER MMS SHEAR SUB. PUMP 25-200-RHBC-36-5-36'.
10:00	1.00	11:00	SRIG	Rig Up/Down	R/D RIG. PWOP. MOL.
11:00	19.00	06:00	LOCL	Lock Wellhead & Secure	WELL ON PRODUCTION.

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

Effective Date: 11/1/2016

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

WELL INFORMATION:

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

OPERATOR CHANGES DOCUMENTATION:

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

REVIEW:

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

NEW OPERATOR BOND VERIFICATION:

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

DATA ENTRY:

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

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

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



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

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

New Operator Contact information:

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

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

Sincerely,

Bill Barrett Corporation

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

Brady Riley
Permit Analyst

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

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

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

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

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

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

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

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

(This space for State use only)

APPROVED

NOV 07 2016

DIV. OIL GAS & MINING
BY: Rachael Medina

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

Request to Transfer Application or Permit to Drill

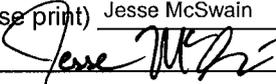
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

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

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

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

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

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

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

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

UIC FORM 5

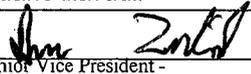
TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 11/1/2016

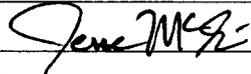
CURRENT OPERATOR

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

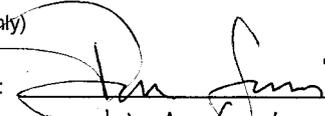
Name: Duane Zavadil
Signature: 
Senior Vice President -
Title: EH&S, Government and Regulatory Affairs
Date: 10/20/16

NEW OPERATOR

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

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

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

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

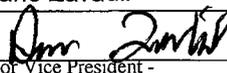
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

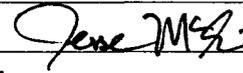
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

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

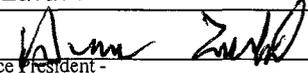
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

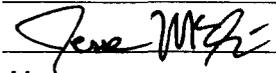
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE	Field or Unit Name CEDAR RIM
	Lease Designation and Number 2OG0005608
QQ, Section, Township, Range: SESE 9 3S 6W	State : UTAH

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

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