

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER FD STATE 10-36D-6-19					
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MOFFAT CANAL					
4. TYPE OF WELL Oil Well <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134					
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 50801			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		2175 FSL 2021 FEL		NWSE	36	6.0 S	19.0 E	S			
Top of Uppermost Producing Zone		1980 FSL 1980 FEL		NWSE	36	6.0 S	19.0 E	S			
At Total Depth		1980 FSL 1980 FEL		NWSE	36	6.0 S	19.0 E	S			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1980			23. NUMBER OF ACRES IN DRILLING UNIT 640					
27. ELEVATION - GROUND LEVEL 4950			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1077			26. PROPOSED DEPTH MD: 9263 TVD: 9259					
28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645								
<b>Hole, Casing, and Cement Information</b>											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used		0	0.0	0.0
SURF	12.25	8.625	0 - 1200	24.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown		170	3.16	11.0
							Halliburton Premium , Type Unknown		270	1.36	14.8
PROD	7.875	5.5	0 - 9263	17.0	I-80 LT&C	9.5	Unknown		670	2.31	11.0
							Unknown		500	1.42	13.5
<b>ATTACHMENTS</b>											
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Brady Riley			TITLE Permit Analyst			PHONE 303 312-8115					
SIGNATURE			DATE 07/28/2014			EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047546810000			APPROVAL			 Permit Manager					

**BILL BARRETT CORPORATION**  
**DRILLING PLAN**

**FD State 10-36D-6-19**

NWSE, 2175' FSL and 2021' FEL, Section 36, T6S-R19E, SLB&M (surface hole)  
NWSE, 1980' FSL and 1980' FEL, Section 36, T6S-R19E, SLB&M (bottom hole)  
Uintah County, Utah

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

<b><u>Formation</u></b>	<b><u>Depth – TVD</u></b>	<b><u>Depth – MD</u></b>
Green River	4,895'	4,897'
Mahogany	5,933'	5,936'
Lower Green River*	7,085'	7,089'
Douglas Creek	7,218'	7,222'
Black Shale	7,775'	7,779'
Castle Peak	7,947'	7,951'
Wasatch*	8,759'	8,763'
TD	9,259'	9,263'

\*PROSPECTIVE PAY

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

Base of Useable Water = 2,188'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 1200'	Rotating Head or Diverter (may pre-set surface with smaller rig)*
1200' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

\*See Appendix A

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1200'	8 5/8"	24#	J-55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110/I-80	LT&C	New

Bill Barrett Corporation  
 Drilling Program  
 FD State 10-36D-6-19  
 Uintah County, Utah

### 5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 170 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 270 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 700'
5 1/2" Production Casing	Lead: 670 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 700' Tail: 500 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 6589'

### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 1200'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1200'-5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 58	25 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 4574 psi\* and maximum anticipated surface pressure equals approximately 2537 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

Bill Barrett Corporation  
Drilling Program  
FD State 10-36D-6-19  
Uintah County, Utah

**9. Auxiliary Equipment**

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

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

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC  
43-12345 (F78949): Dale Anderson  
43-10664 (A38472): W. E. Gene Brown  
49-1645 (A35800): RN Industries, Inc.  
49-2336 (t78808): RN Industries, Inc.  
43-8496 (A53617): A-1 Tank Rental  
43-10288 (A65273): Nile Chapman (RNI)  
49-2247 (F76893): Magnum Water Service  
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

**11. Drilling Schedule**

Location Construction: SEPTEMBER 2014  
Spud: SEPTEMBER 2014  
Duration: 15 days drilling time  
6 days completion time

**12. Appendix A**

**8-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:**

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



# Bill Barrett Corporation

## FORT DUCHESNE CEMENT VOLUMES

**Well Name:** FD STATE 10-36D-6-19

### Surface Hole Data:

Total Depth:	1,200'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	8.625"

### Calculated Data:

Lead Volume:	505.6	ft <sup>3</sup>
Lead Fill:	700'	
Tail Volume:	361.1	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	170
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Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	700'	

# SK's Tail:	270
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### Production Hole Data:

Total Depth:	9,263'
Top of Cement:	700'
Top of Tail:	6,589'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1530.4	ft <sup>3</sup>
Lead Fill:	5,889'	
Tail Volume:	695.0	ft <sup>3</sup>
Tail Fill:	2,674'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	670
# SK's Tail:	500

<b>FD STATE 10-36D-6-19 Proposed Cementing Program</b>
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<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (700' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 700'
	Volume: 90.04 bbl
	<b>Proposed Sacks: 170 sks</b>
<b>Tail Cement - (TD - 700')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 500'
	Volume: 64.32 bbl
	<b>Proposed Sacks: 270 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (6589' - 700')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 5,889'
	Volume: 272.56 bbl
	<b>Proposed Sacks: 670 sks</b>
<b>Tail Cement - (9263' - 6589')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 6,589'
	Calculated Fill: 2,674'
	Volume: 123.77 bbl
	<b>Proposed Sacks: 500 sks</b>

**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

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

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

**B. Pressure Rating:** 5,000 psi

**C. Testing Procedure:**

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

**D. Choke Manifold Equipment:**

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

**E. Accumulator:**

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

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

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

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

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

**F. Miscellaneous Information:**

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

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

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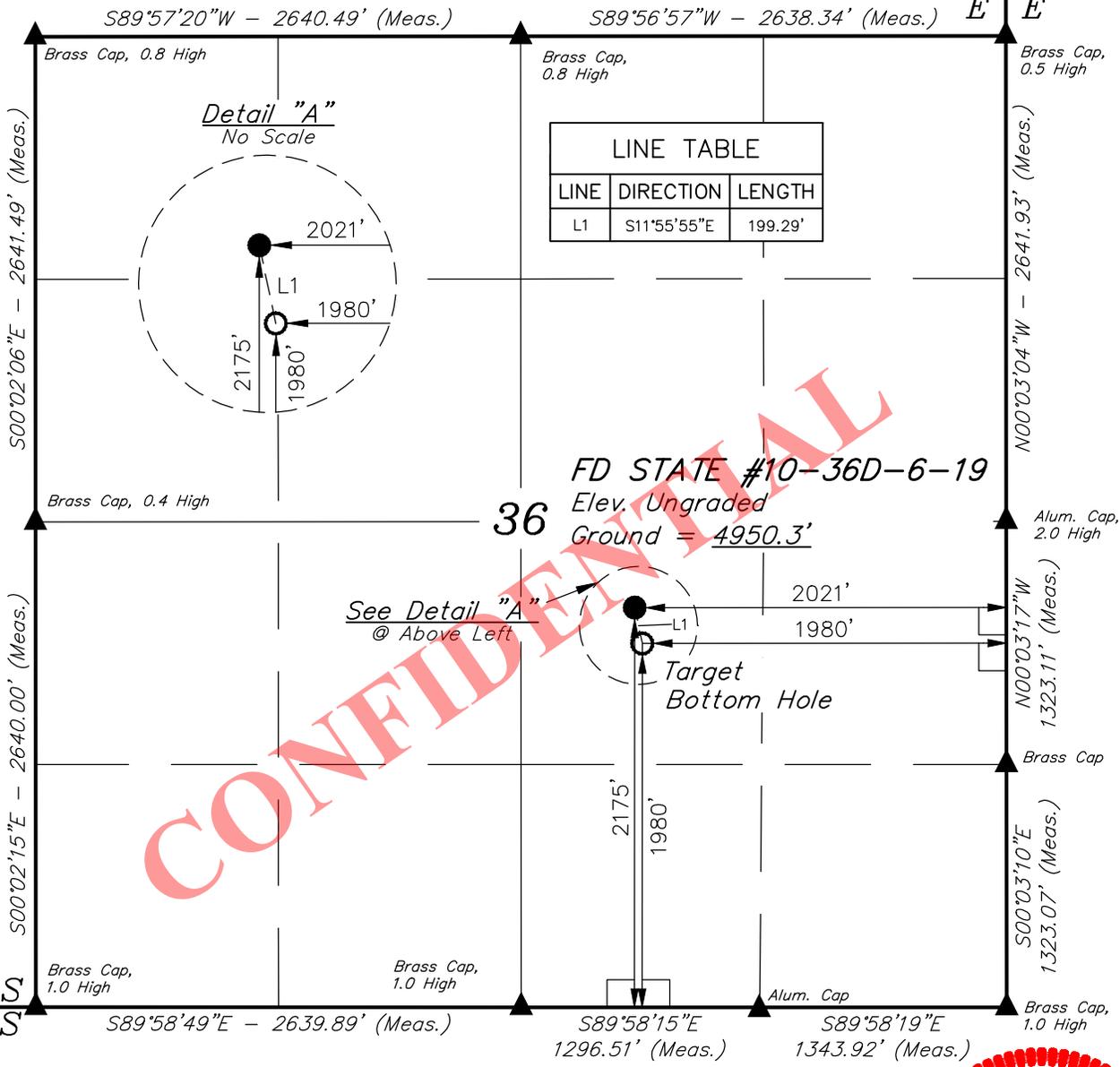
T6S, R19E, S.L.B.&M.

LEGEND:

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

R  
19  
E

R  
20  
E



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NAD 83 (BOTTOM HOLE LOCATION)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°15'10.11" (40.252808)	LATITUDE = 40°15'12.04" (40.253344)
LONGITUDE = 109°43'44.34" (109.728983)	LONGITUDE = 109°43'44.88" (109.729133)
NAD 27 (BOTTOM HOLE LOCATION)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°15'10.25" (40.252847)	LATITUDE = 40°15'12.18" (40.253383)
LONGITUDE = 109°43'41.83" (109.728286)	LONGITUDE = 109°43'42.37" (109.728436)

**CERTIFICATE**

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

**ROBERT L. KAY**  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 76319  
STATE OF UTAH 07-09-14

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

**BASIS OF ELEVATION**  
BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

**BILL BARRETT CORPORATION**

**FD STATE #10-36D-6-19**  
**NW 1/4 SE 1/4, SECTION 36, T6S, R19E, S.L.B.&M**  
**UINTAH COUNTY, UTAH**

SURVEYED BY: R.R., CW.	SURVEY DATE: 06-02-14
DRAWN BY: C.D.	DATE DRAWN: 06-13-14
SCALE: 1" = 1000'	REVISED: 07-09-14

**WELL LOCATION PLAT**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



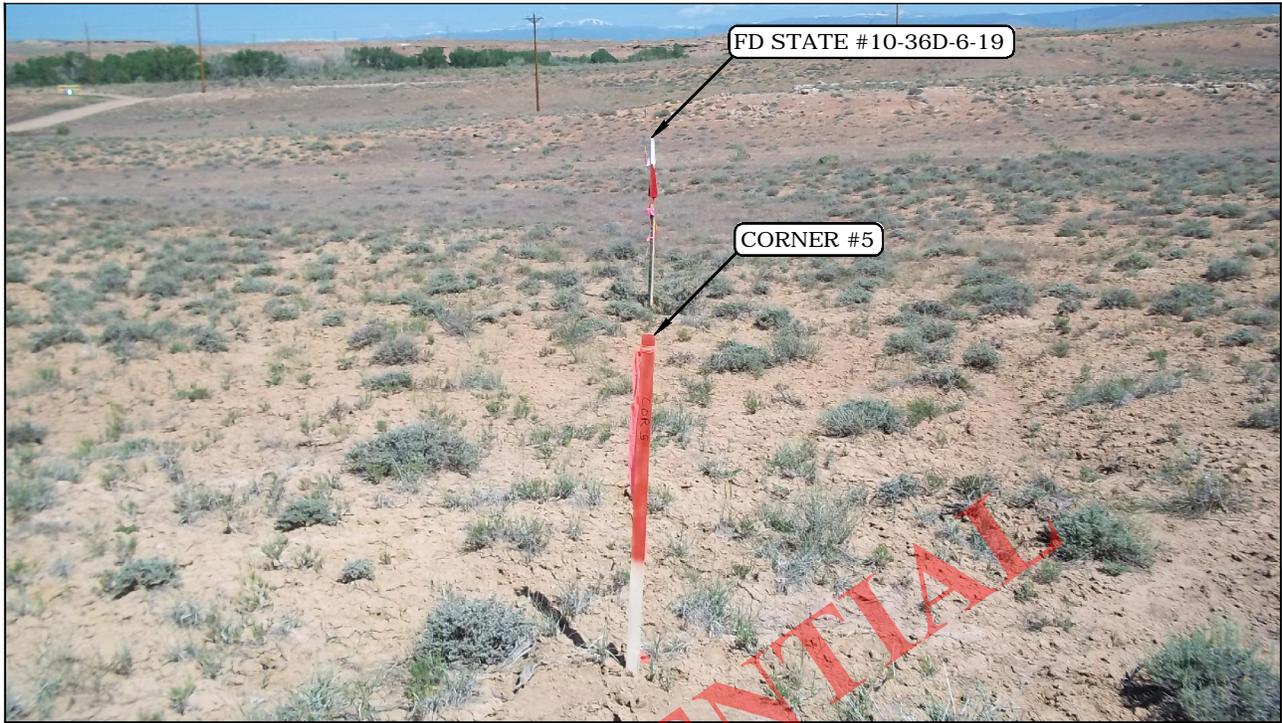


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY

**BILL BARRETT CORPORATION**

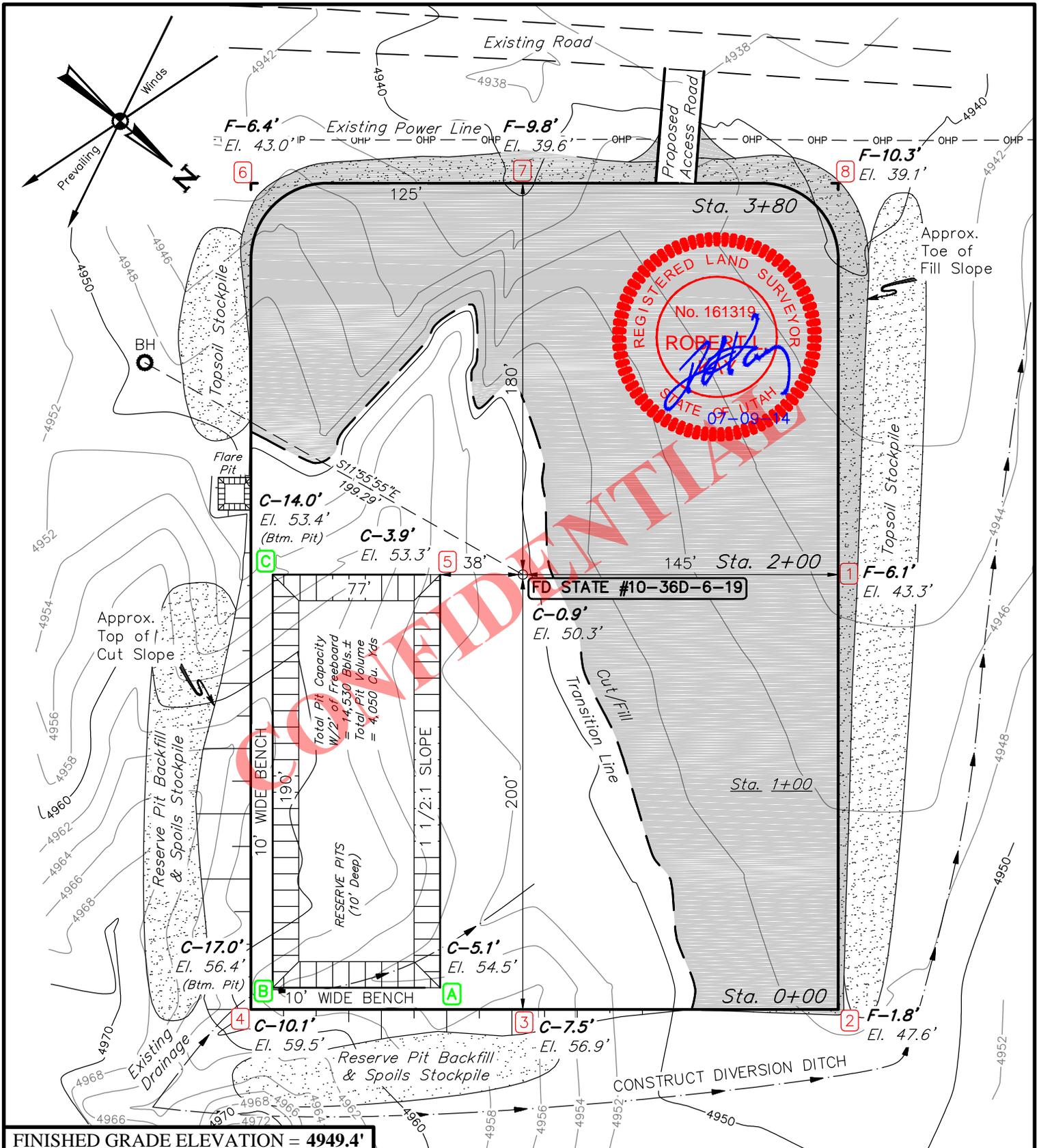
**FD STATE #10-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
2175' FSL 2021' FEL**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: M.L.	DATE DRAWN: 06-13-14
TAKEN BY: R.R.	REVISED: 07-10-14
<b>LOCATION PHOTOS</b>	<b>PHOTO</b>

**RECEIVED:** July 29, 2014



FINISHED GRADE ELEVATION = 4949.4'

**NOTES:**

- Flare pit is to be located a min. of 100' from the wellhead.
- Round corners at 35' radius or as needed.
- Construct diversion ditches as needed.
- Contours shown at 2' intervals.

**BILL BARRETT CORPORATION**

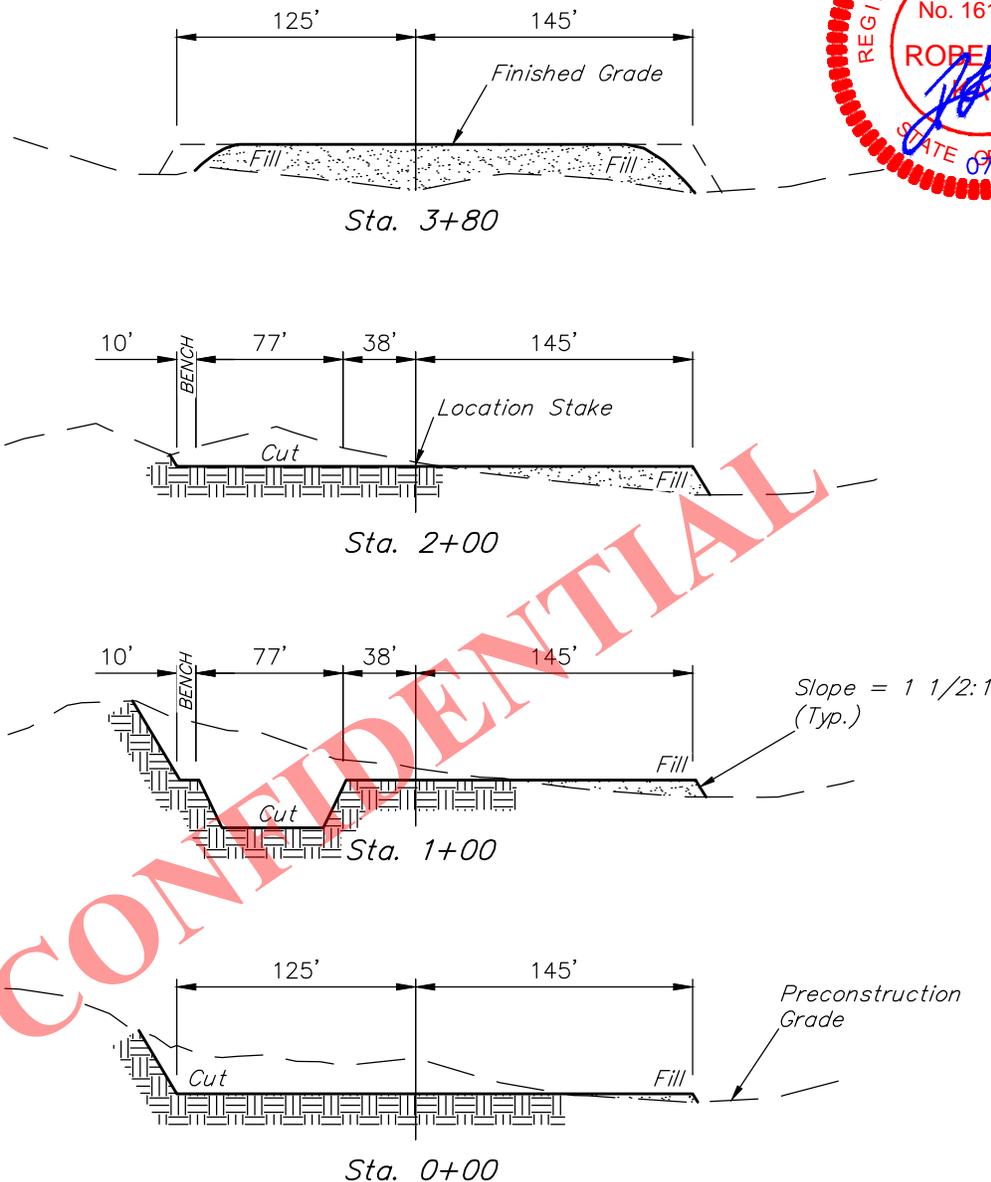
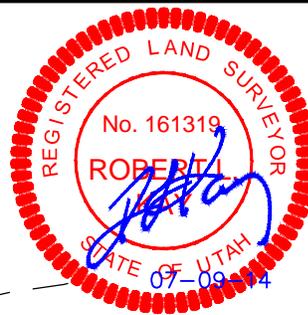
**FD STATE #10-36D-6-19**  
**SECTION 36, T6S, R19E, S.L.B.&M.**  
 2175' FSL and 2021' FEL

DRAWN BY: C.D.	DATE DRAWN: 06-13-14
SCALE: 1" = 60'	REVISED: 07-09-14
<b>LOCATION LAYOUT</b>	<b>FIGURE #1</b>



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



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APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	2,150 Cu. Yds.
REMAINING LOCATION	12,290 Cu. Yds.
<b>TOTAL CUT</b>	<b>14,440 Cu. Yds.</b>
<b>FILL</b>	<b>10,270 Cu. Yds.</b>
EXCESS MATERIAL	4,170 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	4,170 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.343
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±13.19'	±0.009
30' WIDE PIPELINE R-O-W DISTURBANCE	±52.42'	±0.036
<b>TOTAL SURFACE USE AREA</b>	<b>±65.61'</b>	<b>±4.388</b>

**NOTES:**

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.

**BILL BARRETT CORPORATION**

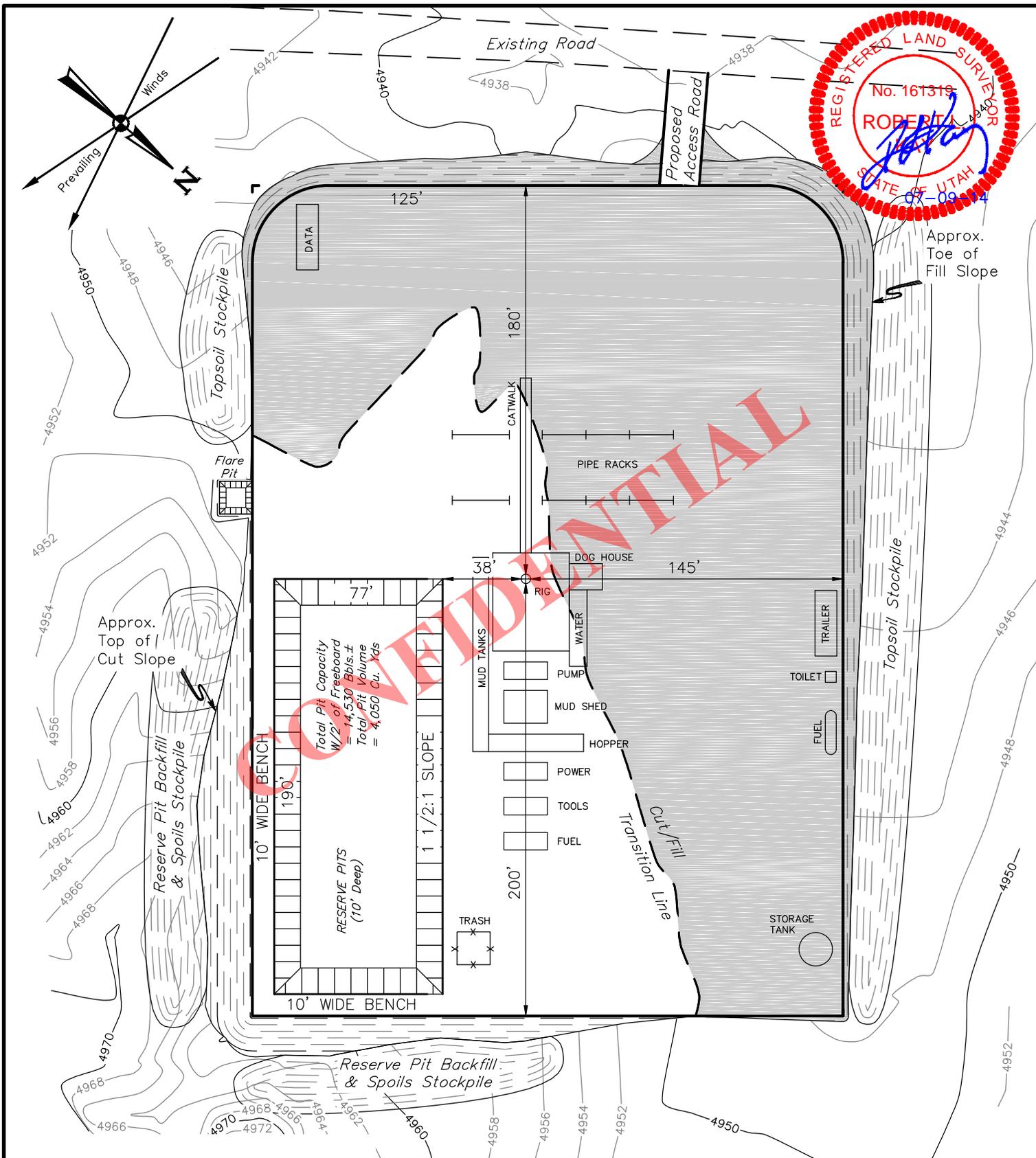
**FD STATE #10-36D-6-19**  
**SECTION 36, T6S, R19E, S.L.B.&M.**  
 2175' FSL and 2021' FEL



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DRAWN BY: C.D.	DATE DRAWN: 06-13-14
SCALE: AS SHOWN	REVISED: 07-09-14
<b>TYPICAL CROSS SECTIONS</b>	<b>FIGURE #2</b>

RECEIVED: July 29, 2014



**NOTES:**

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.

**BILL BARRETT CORPORATION**

**FD STATE #10-36D-6-19**  
**SECTION 36, T6S, R19E, S.L.B.&M.**  
 2175' FSL and 2021' FEL



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: C.D.	DATE DRAWN: 06-14-14
SCALE: 1" = 60'	REVISED: 07-09-14
<b>TYPICAL RIG LAYOUT</b>	<b>FIGURE #3</b>

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND 5500 S. TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND PARISH RANCH ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 52' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 27.0 MILES.

CONFIDENTIAL

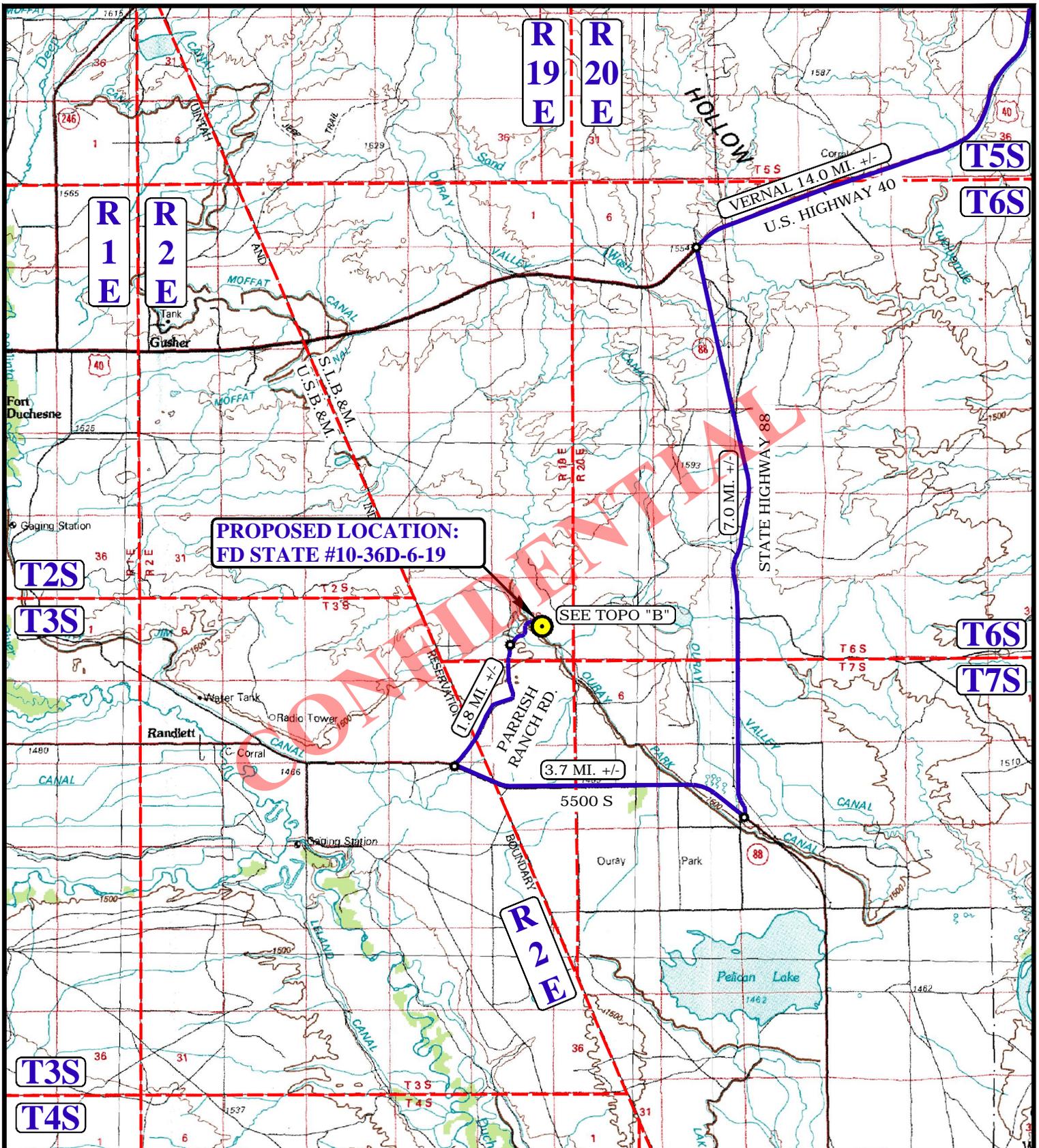
**BILL BARRETT CORPORATION**

**FD STATE #10-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
2175' FSL 2021' FEL**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: M.L.	DATE DRAWN: 06-13-14
	REVISED: 07-10-14
<b>ROAD DESCRIPTION</b>	



**LEGEND:**

 PROPOSED LOCATION



**BILL BARRETT CORPORATION**

FD STATE #10-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
2175' FSL 2021' FEL

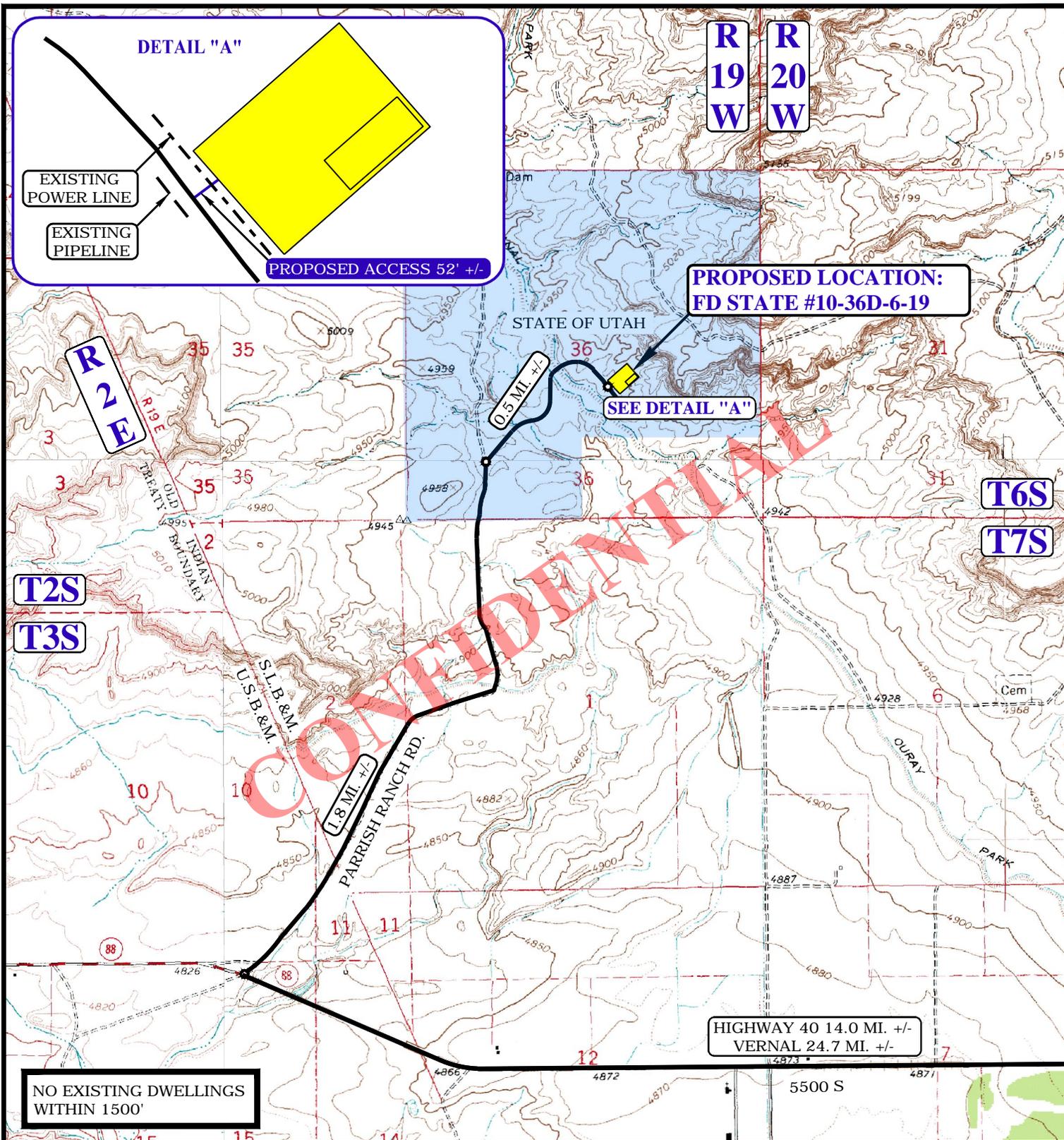
DRAWN BY: M.L.	DATE DRAWN: 06-13-14
SCALE: 1:100,000	REVISED: 07-10-14

**ACCESS ROAD MAP**

**TOPO A**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



NO EXISTING DWELLINGS  
WITHIN 1500'

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

**LEGEND:**

- PROPOSED ROAD
- - - - EXISTING PIPELINE
- - - - EXISTING POWER LINE
- EXISTING ROAD

**BILL BARRETT CORPORATION**

FD STATE #10-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
2175' FSL 2021' FEL

DRAWN BY: M.L.	DATE DRAWN: 06-13-14
SCALE: 1" = 2000'	REVISED: 07-10-14

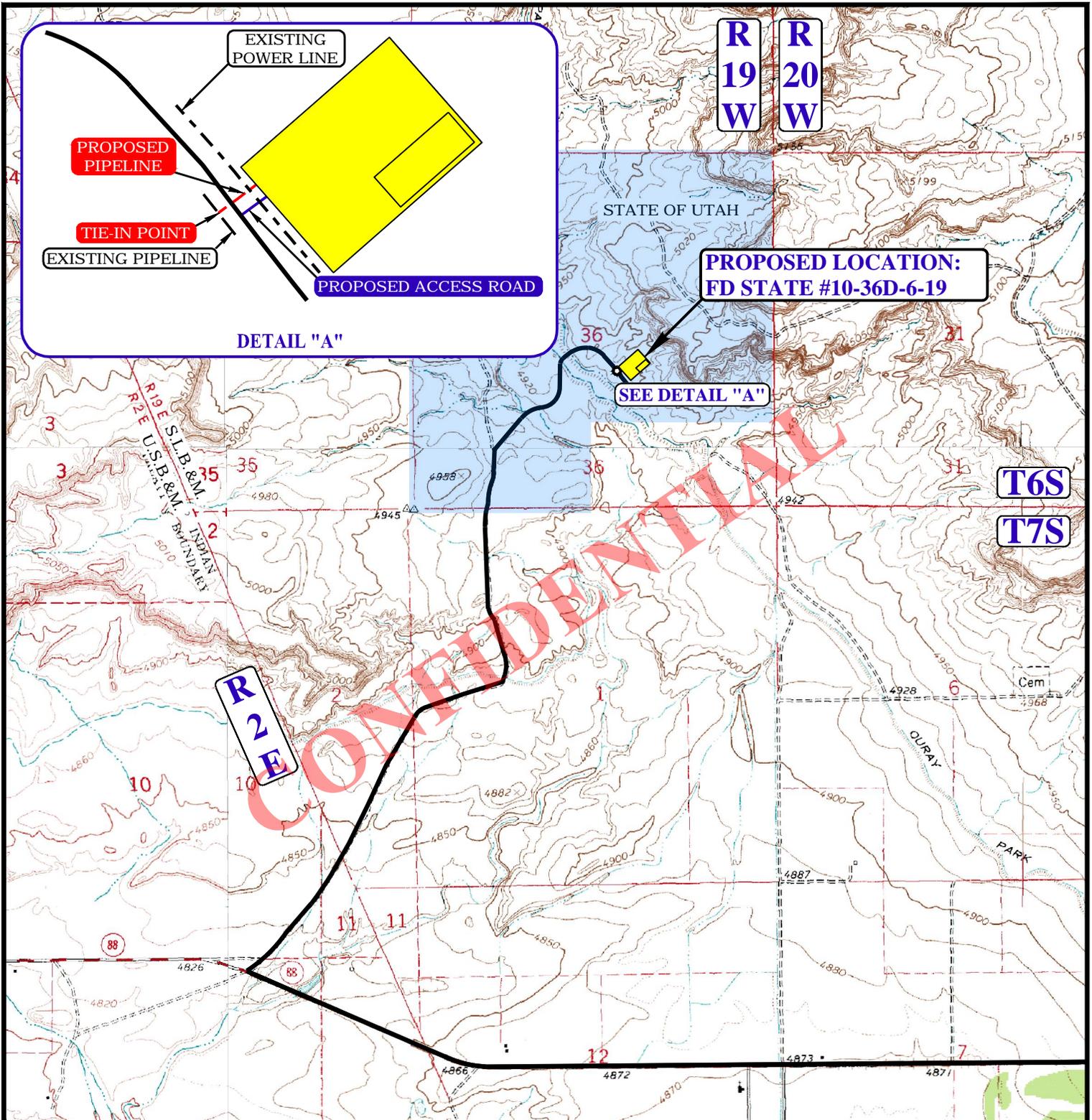
**ACCESS ROAD MAP**

**TOPO B**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017





**APPROXIMATE TOTAL PIPELINE DISTANCE = 91' +/-**

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

**LEGEND:**

- PROPOSED ROAD
- - - - - EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- - - - - EXISTING POWER LINE
- EXISTING ROAD

**BILL BARRETT CORPORATION**

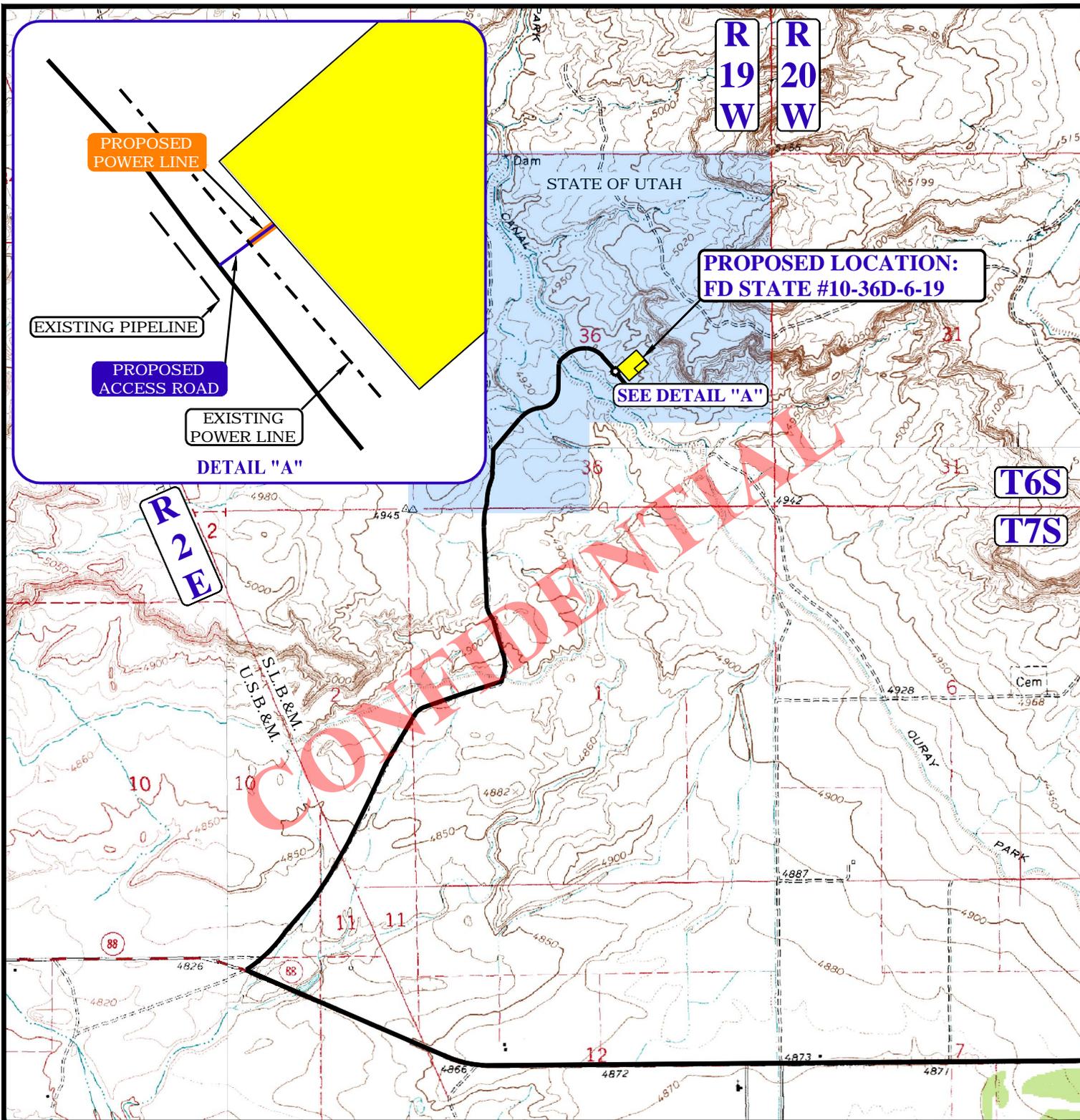
FD STATE #10-36D-6-19  
 SECTION 36, T6S, R19E, S.L.B.&M.  
 2175' FSL 2021' FEL



DRAWN BY: M.L.	DATE DRAWN: 06-13-14
SCALE: 1" = 2000'	REVISED: 07-10-14
<b>PIPELINE MAP</b>	<b>TOPO C</b>



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017



**APPROXIMATE TOTAL POWER LINE DISTANCE = 20' +/-**

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

**LEGEND:**

- PROPOSED ROAD
- EXISTING PIPELINE
- EXISTING ROAD
- PROPOSED POWER LINE

**BILL BARRETT CORPORATION**

**FD STATE #10-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
2175' FSL 2021' FEL**

DRAWN BY: M.L.	DATE DRAWN: 06-13-14
SCALE: 1" = 2000'	REVISED: 07-10-14
<b>POWER LINE MAP</b>	<b>TOPO D</b>



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



## **Bill Barrett Corporation**

**Fort Duchesne  
SECTION 36 T6S, R19E  
FD State 10-36D-6-19**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**25 July, 2014**

**CONFIDENTIAL**





**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Company:</b>	Bill Barrett Corporation	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Project:</b>	Fort Duchesne	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>North Reference:</b>	True
<b>Well:</b>	FD State 10-36D-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Fort Duchesne		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Southern Zone		

<b>Site</b>	SECTION 36 T6S, R19E				
<b>Site Position:</b>		<b>Northing:</b>	11,153,657.48 usft	<b>Latitude:</b>	40° 15' 12.040 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,135,118.74 usft	<b>Longitude:</b>	109° 43' 44.880 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.08 °

<b>Well</b>	FD State 10-36D-6-19, SHL: 40° 15' 12.040 -109° 43' 44.880					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	11,153,657.48 usft	<b>Latitude:</b>	40° 15' 12.040 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,135,118.74 usft	<b>Longitude:</b>	109° 43' 44.880 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	4,962.0 usft	<b>Ground Level:</b>	4,949.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	7/25/2014	10.81	65.95	52,126

<b>Design</b>	Design #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	167.90	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,742.9	2.14	167.90	1,742.8	-2.6	0.6	1.50	1.50	0.00	167.90	
6,945.8	2.14	167.90	6,942.2	-192.9	41.3	0.00	0.00	0.00	0.00	
7,088.7	0.00	0.00	7,085.0	-195.5	41.9	1.50	-1.50	0.00	180.00	FD State 10-36D-6-19
9,262.7	0.00	0.00	9,259.0	-195.5	41.9	0.00	0.00	0.00	0.00	



**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Company:</b>	Bill Barrett Corporation	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Project:</b>	Fort Duchesne	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>North Reference:</b>	True
<b>Well:</b>	FD State 10-36D-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	1.50	167.90	1,700.0	-1.3	0.3	1.3	1.50	1.50	0.00	
1,742.9	2.14	167.90	1,742.8	-2.6	0.6	2.7	1.50	1.50	0.00	
1,800.0	2.14	167.90	1,799.9	-4.7	1.0	4.8	0.00	0.00	0.00	
1,900.0	2.14	167.90	1,899.9	-8.4	1.8	8.5	0.00	0.00	0.00	
2,000.0	2.14	167.90	1,999.8	-12.0	2.6	12.3	0.00	0.00	0.00	
2,100.0	2.14	167.90	2,099.7	-15.7	3.4	16.0	0.00	0.00	0.00	
2,200.0	2.14	167.90	2,199.6	-19.3	4.1	19.8	0.00	0.00	0.00	
2,300.0	2.14	167.90	2,299.6	-23.0	4.9	23.5	0.00	0.00	0.00	
2,400.0	2.14	167.90	2,399.5	-26.6	5.7	27.2	0.00	0.00	0.00	
2,500.0	2.14	167.90	2,499.4	-30.3	6.5	31.0	0.00	0.00	0.00	
2,600.0	2.14	167.90	2,599.4	-34.0	7.3	34.7	0.00	0.00	0.00	
2,700.0	2.14	167.90	2,699.3	-37.6	8.1	38.5	0.00	0.00	0.00	
2,800.0	2.14	167.90	2,799.2	-41.3	8.8	42.2	0.00	0.00	0.00	
2,900.0	2.14	167.90	2,899.2	-44.9	9.6	45.9	0.00	0.00	0.00	
3,000.0	2.14	167.90	2,999.1	-48.6	10.4	49.7	0.00	0.00	0.00	
3,100.0	2.14	167.90	3,099.0	-52.2	11.2	53.4	0.00	0.00	0.00	
3,200.0	2.14	167.90	3,198.9	-55.9	12.0	57.2	0.00	0.00	0.00	
3,300.0	2.14	167.90	3,298.9	-59.6	12.8	60.9	0.00	0.00	0.00	
3,400.0	2.14	167.90	3,398.8	-63.2	13.6	64.6	0.00	0.00	0.00	
3,500.0	2.14	167.90	3,498.7	-66.9	14.3	68.4	0.00	0.00	0.00	
3,600.0	2.14	167.90	3,598.7	-70.5	15.1	72.1	0.00	0.00	0.00	
3,700.0	2.14	167.90	3,698.6	-74.2	15.9	75.9	0.00	0.00	0.00	
3,800.0	2.14	167.90	3,798.5	-77.8	16.7	79.6	0.00	0.00	0.00	
3,900.0	2.14	167.90	3,898.5	-81.5	17.5	83.3	0.00	0.00	0.00	
4,000.0	2.14	167.90	3,998.4	-85.1	18.3	87.1	0.00	0.00	0.00	
4,100.0	2.14	167.90	4,098.3	-88.8	19.0	90.8	0.00	0.00	0.00	
4,200.0	2.14	167.90	4,198.2	-92.5	19.8	94.6	0.00	0.00	0.00	
4,300.0	2.14	167.90	4,298.2	-96.1	20.6	98.3	0.00	0.00	0.00	
4,400.0	2.14	167.90	4,398.1	-99.8	21.4	102.0	0.00	0.00	0.00	
4,500.0	2.14	167.90	4,498.0	-103.4	22.2	105.8	0.00	0.00	0.00	
4,600.0	2.14	167.90	4,598.0	-107.1	23.0	109.5	0.00	0.00	0.00	
4,700.0	2.14	167.90	4,697.9	-110.7	23.7	113.3	0.00	0.00	0.00	
4,800.0	2.14	167.90	4,797.8	-114.4	24.5	117.0	0.00	0.00	0.00	
4,900.0	2.14	167.90	4,897.8	-118.1	25.3	120.7	0.00	0.00	0.00	
5,000.0	2.14	167.90	4,997.7	-121.7	26.1	124.5	0.00	0.00	0.00	



**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Company:</b>	Bill Barrett Corporation	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Project:</b>	Fort Duchesne	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>North Reference:</b>	True
<b>Well:</b>	FD State 10-36D-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.0	2.14	167.90	5,097.6	-125.4	26.9	128.2	0.00	0.00	0.00	
5,200.0	2.14	167.90	5,197.5	-129.0	27.7	132.0	0.00	0.00	0.00	
5,300.0	2.14	167.90	5,297.5	-132.7	28.4	135.7	0.00	0.00	0.00	
5,400.0	2.14	167.90	5,397.4	-136.3	29.2	139.4	0.00	0.00	0.00	
5,500.0	2.14	167.90	5,497.3	-140.0	30.0	143.2	0.00	0.00	0.00	
5,600.0	2.14	167.90	5,597.3	-143.7	30.8	146.9	0.00	0.00	0.00	
5,700.0	2.14	167.90	5,697.2	-147.3	31.6	150.7	0.00	0.00	0.00	
5,800.0	2.14	167.90	5,797.1	-151.0	32.4	154.4	0.00	0.00	0.00	
5,900.0	2.14	167.90	5,897.1	-154.6	33.1	158.1	0.00	0.00	0.00	
6,000.0	2.14	167.90	5,997.0	-158.3	33.9	161.9	0.00	0.00	0.00	
6,100.0	2.14	167.90	6,096.9	-161.9	34.7	165.6	0.00	0.00	0.00	
6,200.0	2.14	167.90	6,196.8	-165.6	35.5	169.4	0.00	0.00	0.00	
6,300.0	2.14	167.90	6,296.8	-169.2	36.3	173.1	0.00	0.00	0.00	
6,400.0	2.14	167.90	6,396.7	-172.9	37.1	176.8	0.00	0.00	0.00	
6,500.0	2.14	167.90	6,496.6	-176.6	37.9	180.6	0.00	0.00	0.00	
6,600.0	2.14	167.90	6,596.6	-180.2	38.6	184.3	0.00	0.00	0.00	
6,700.0	2.14	167.90	6,696.5	-183.9	39.4	188.1	0.00	0.00	0.00	
6,800.0	2.14	167.90	6,796.4	-187.5	40.2	191.8	0.00	0.00	0.00	
6,900.0	2.14	167.90	6,896.4	-191.2	41.0	195.5	0.00	0.00	0.00	
6,945.8	2.14	167.90	6,942.2	-192.9	41.3	197.2	0.00	0.00	0.00	
7,000.0	1.33	167.90	6,996.3	-194.5	41.7	198.9	1.50	-1.50	0.00	
7,088.7	0.00	0.00	7,085.0	-195.5	41.9	199.9	1.50	-1.50	0.00	
7,100.0	0.00	0.00	7,096.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,196.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,296.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,396.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,496.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,596.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,696.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,796.3	-195.5	41.9	199.9	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,896.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,996.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,096.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,196.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,296.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,396.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,496.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,596.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,696.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,796.3	-195.5	41.9	199.9	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,896.3	-195.5	41.9	199.9	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,996.3	-195.5	41.9	199.9	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,096.3	-195.5	41.9	199.9	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,196.3	-195.5	41.9	199.9	0.00	0.00	0.00	
9,262.7	0.00	0.00	9,259.0	-195.5	41.9	199.9	0.00	0.00	0.00	



**Payzone Directional**  
Planning Report



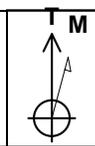
<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Company:</b>	Bill Barrett Corporation	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Project:</b>	Fort Duchesne	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>North Reference:</b>	True
<b>Well:</b>	FD State 10-36D-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FD State 10-36D-6-19 T	0.00	0.00	7,085.0	-195.5	41.9	11,153,462.83	2,135,164.34	40° 15' 10.110 N	109° 43' 44.340 W
- plan hits target center									
- Rectangle (sides W200.0 H200.0 D2,174.0)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
2,188.3	2,188.0	Base Mod Saline Groundwater		0.00		
4,897.2	4,895.0	Green River		0.00		
5,936.0	5,933.0	Mahogany		0.00		
6,895.6	6,892.0	Pelican Bench		0.00		
7,088.7	7,085.0	TGR3		0.00		
7,221.7	7,218.0	Douglas Creek		0.00		
7,778.7	7,775.0	Black Shale Facies		0.00		
7,950.7	7,947.0	Castle Peak		0.00		
8,204.7	8,201.0	Uteland Butte		0.00		
8,762.7	8,759.0	Wasatch		0.00		
8,762.7	8,759.0	TD		0.00		
9,262.7	9,259.0	APD_TD		0.00		



Well Name: FD State 10-36D-6-19  
 Surface Location: SECTION 36 T6S, R19E  
 North American Datum 1983, US State Plane 1983, Utah Southern Zone  
 Ground Elevation: 4949.0  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.0 0.0 11153657.48 2135118.75 40° 15' 12.040 N 109° 43' 44.880 W  
 PLAN KB FD State 10-36D-6-19 @ 4962.0usft (PLAN KB)



Azimuths to True North  
 Magnetic North: 10.81°  
 Magnetic Field  
 Strength: 52126.0snT  
 Dip Angle: 65.95°  
 Date: 7/25/2014  
 Model: IGRF2010

SECTION 36 T6S, R19E  
 FD State 10-36D-6-19  
 Design #1  
 8:13, July 25 2014

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

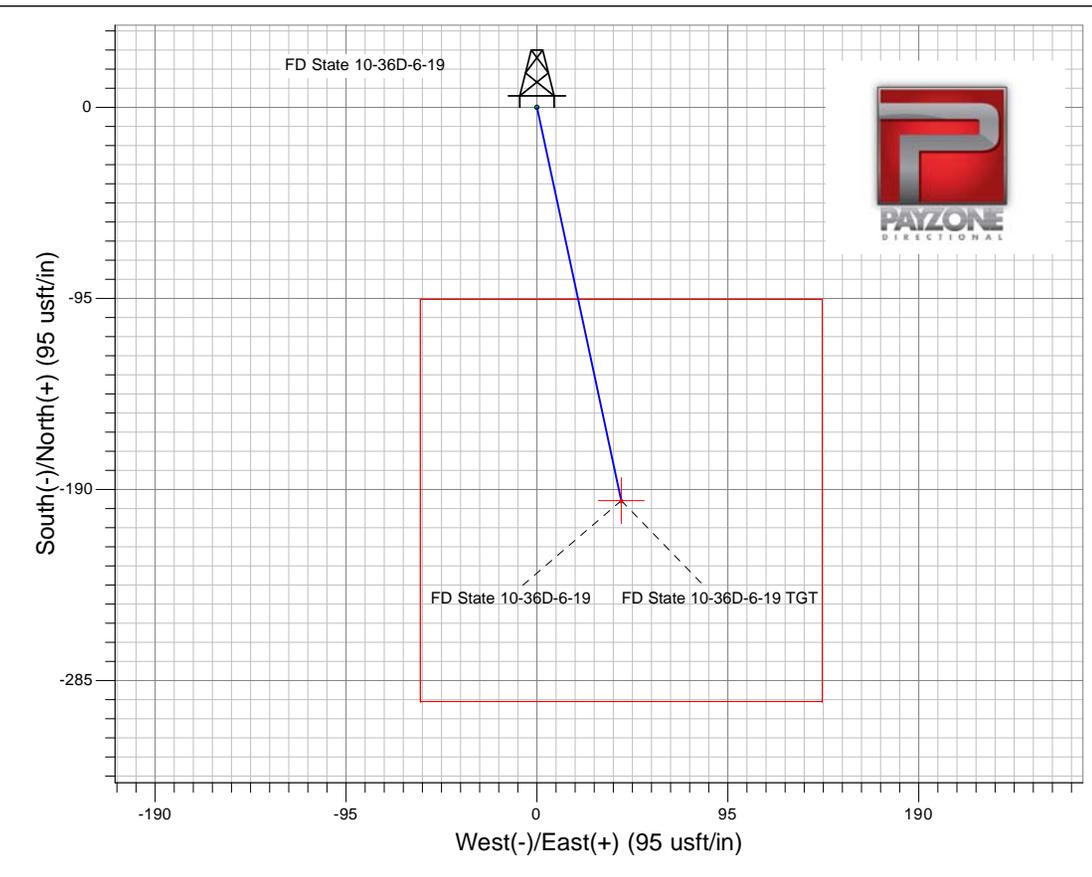
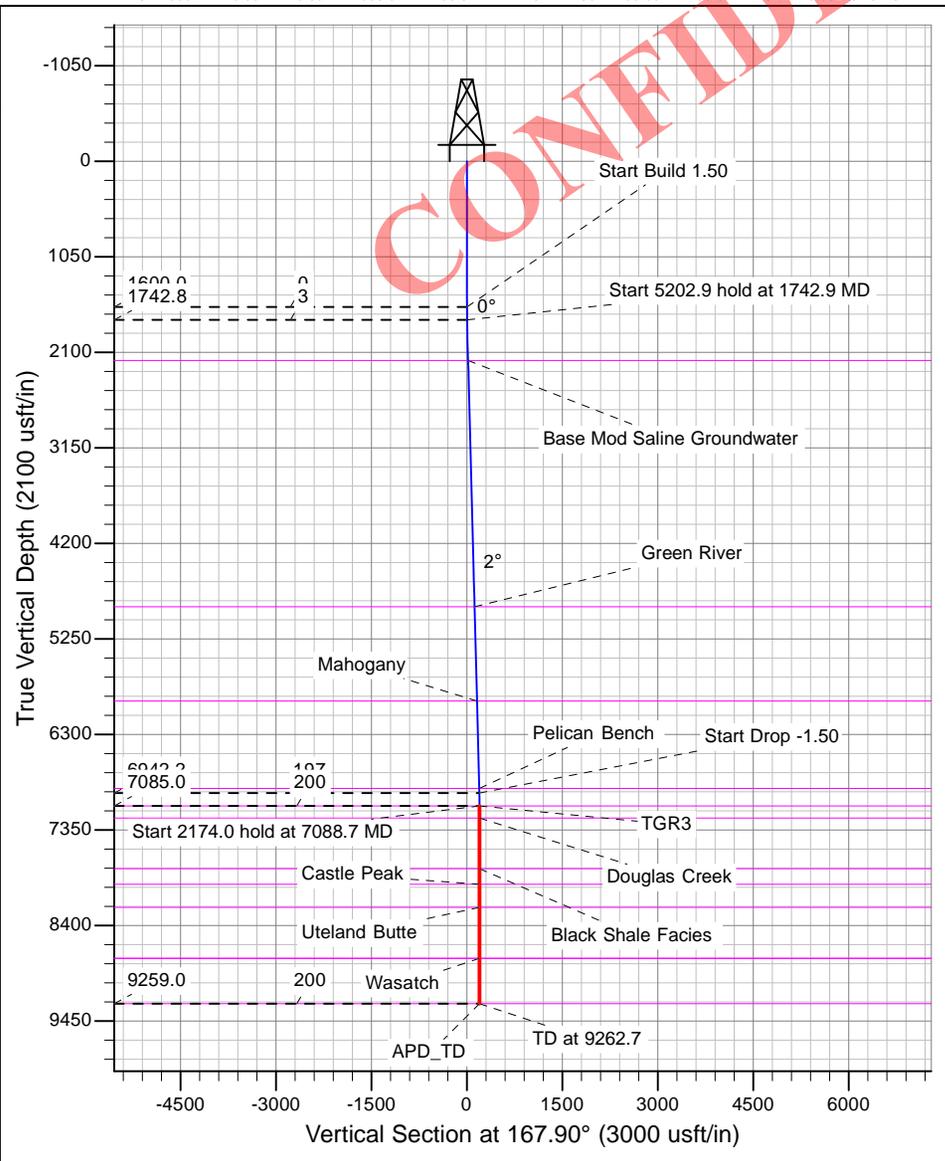
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
FD State 10-36D-6-19 TGT	7085.0	-195.5	41.9	11153462.83	2135164.35	40° 15' 10.110 N	109° 43' 44.340 W	Rectangle (Sides: L200.0 W200.0)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
2188.0	2188.3	Base Mod Saline Groundwater	0.00	
4895.0	4897.2	Green River	0.00	
5933.0	5936.0	Mahogany	0.00	
6892.0	6895.6	Pelican Bench	0.00	
7085.0	7088.7	TGR3	0.00	
7218.0	7221.7	Douglas Creek	0.00	
7775.0	7778.7	Bl. Shale Facies	0.00	
7947.0	7950.7	Castle Peak	0.00	
8201.0	8204.7	Uteland Butte	0.00	
8759.0	8762.7	TD	0.00	
8759.0	8762.7	Wasatch	0.00	
9259.0	9262.7	APD_TD	0.00	

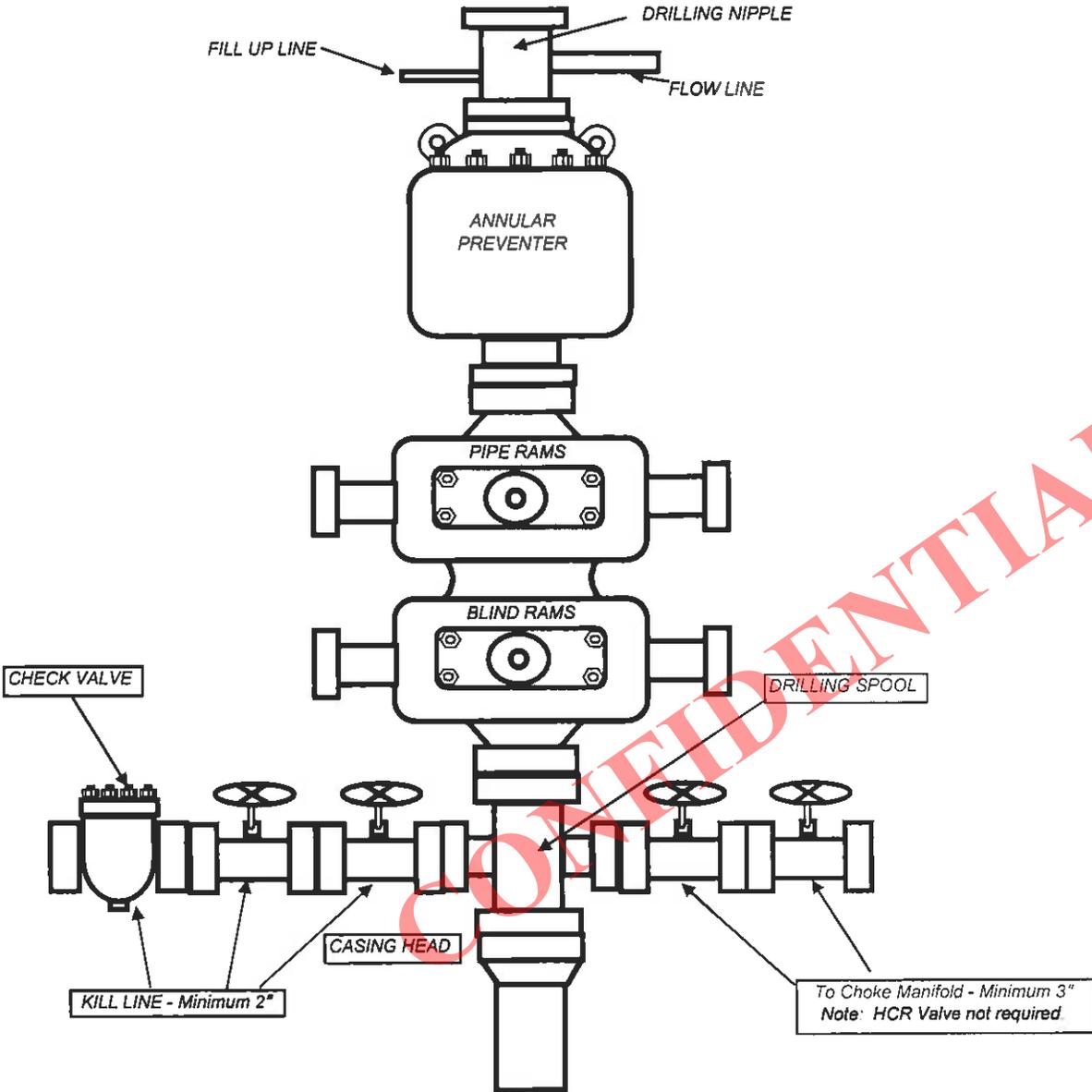
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1600.0	0.00	0.00	1600.0	0.0	0.0	0.00	0.00	0.0	
3	1742.9	2.14	167.90	1742.8	-2.6	0.6	1.50	167.90	2.7	
4	6945.8	2.14	167.90	6942.2	-192.9	41.3	0.00	0.00	197.2	
5	7088.7	0.00	0.00	7085.0	-195.5	41.9	1.50	180.00	199.9	FD State 10-36D-6-19 TGT



# BILL BARRETT CORPORATION

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





July 16, 2014

Utah Division of Oil, Gas and Mining  
Attention: Dustin Doucet  
1594 West North Temple, Suite 1120  
Salt Lake City, UT 84116

RE: Commingling Notice  
East Bluebell Area  
FD State 10-36D-6-19  
NWSE, Section 36 T6S-R19E  
Uintah County, Utah

Dear Mr. Doucet,

Bill Barrett Corporation (BBC) has submitted Notices to commingle production from the Wasatch and Green River Formations in the subject well located in East Bluebell Area. BBC has notified all owners of oil and gas leases contiguous to the drilling unit.

Should you require additional information in this please feel free to contact me at 303-312-8164. Your earliest attention to this matter is appreciated.

Regards,

*Brady R. Funk*  
*for*

Kevin T. Funk  
Landman I  
BILL BARRETT CORPORATION

**CONFIDENTIAL**

Enclosures



AFFIDAVIT OF NOTICE

My name is Kevin T. Funk. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted An application to commingle production from the Wasatch and Green River formations in the following well within our East Bluebell Field:

FD State 10-36D-6-19      NWSE    Section 36 T6S-R19E

Bill Barrett Corporation has notified all owners in lands contiguous to drilling unit. The Lessees are listed below.

Lessees:  
Crescent Point Energy Corporation

Date: July 16, 2014

Affiant

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Regards,

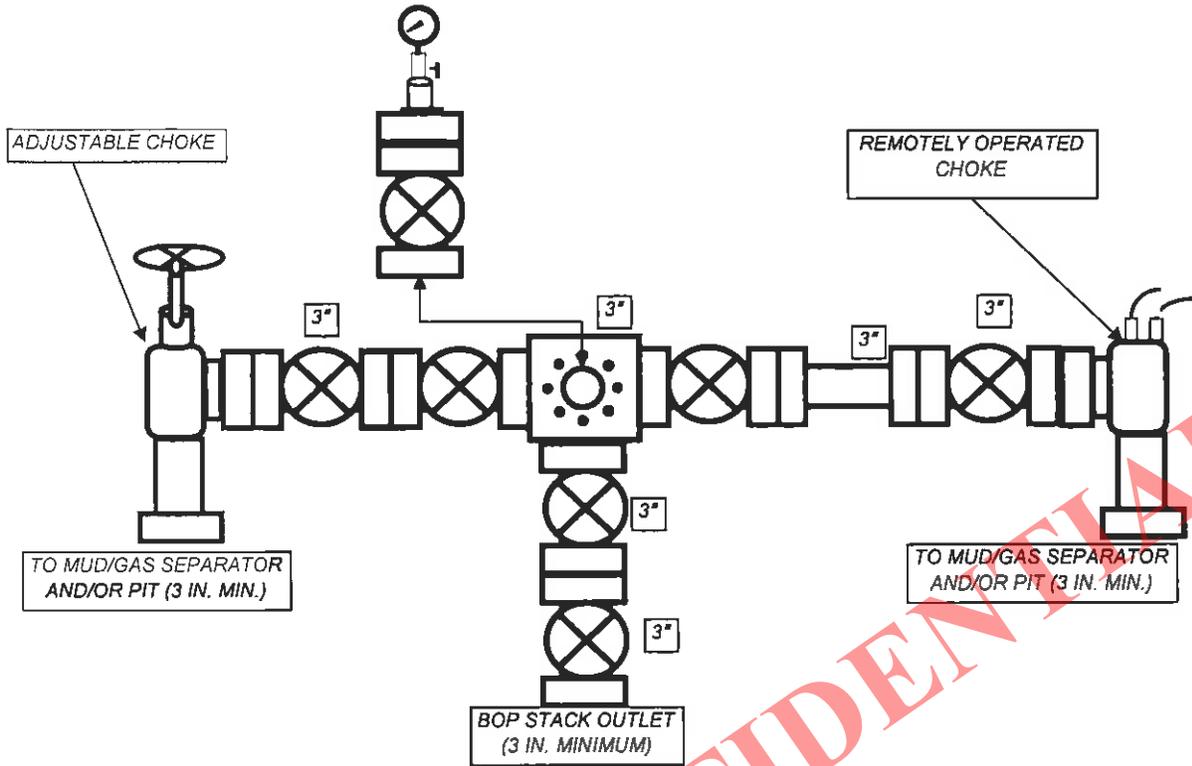
A handwritten signature in black ink that reads 'Kevin T. Funk' with a stylized 'K' and 'F'. Below the name, there is a small signature that appears to be 'KTF'.

Kevin T. Funk  
Landman I  
BILL BARRETT CORPORATION



# BILL BARRETT CORPORATION

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





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

Re: Directional Drilling Location- FD State 10-36D-6-19  
**East Bluebell Area**  
Surface: 2021' FEL and 2175' FSL, Sec. 36, 6S-19E SLM  
Bottom Hole: 1980' FEL and 1980' FSL, Sec. 36, 6S-19E SLM

Uintah County, Utah

Dear Ms. Mason,

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

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under ML-50801.
- BBC certifies that it is the owner of oil and gas in tracts within 460 feet from all points along the intended well bore and that all owners, now known, to the proposed directional drilling program, have been notified of BBC's intention to drill a directional well. BBC further certifies that it has obtained written consent from all owners in each tract within 460 feet of the intended well bore in which BBC is not an owner. The captioned well is subject to statewide citing.

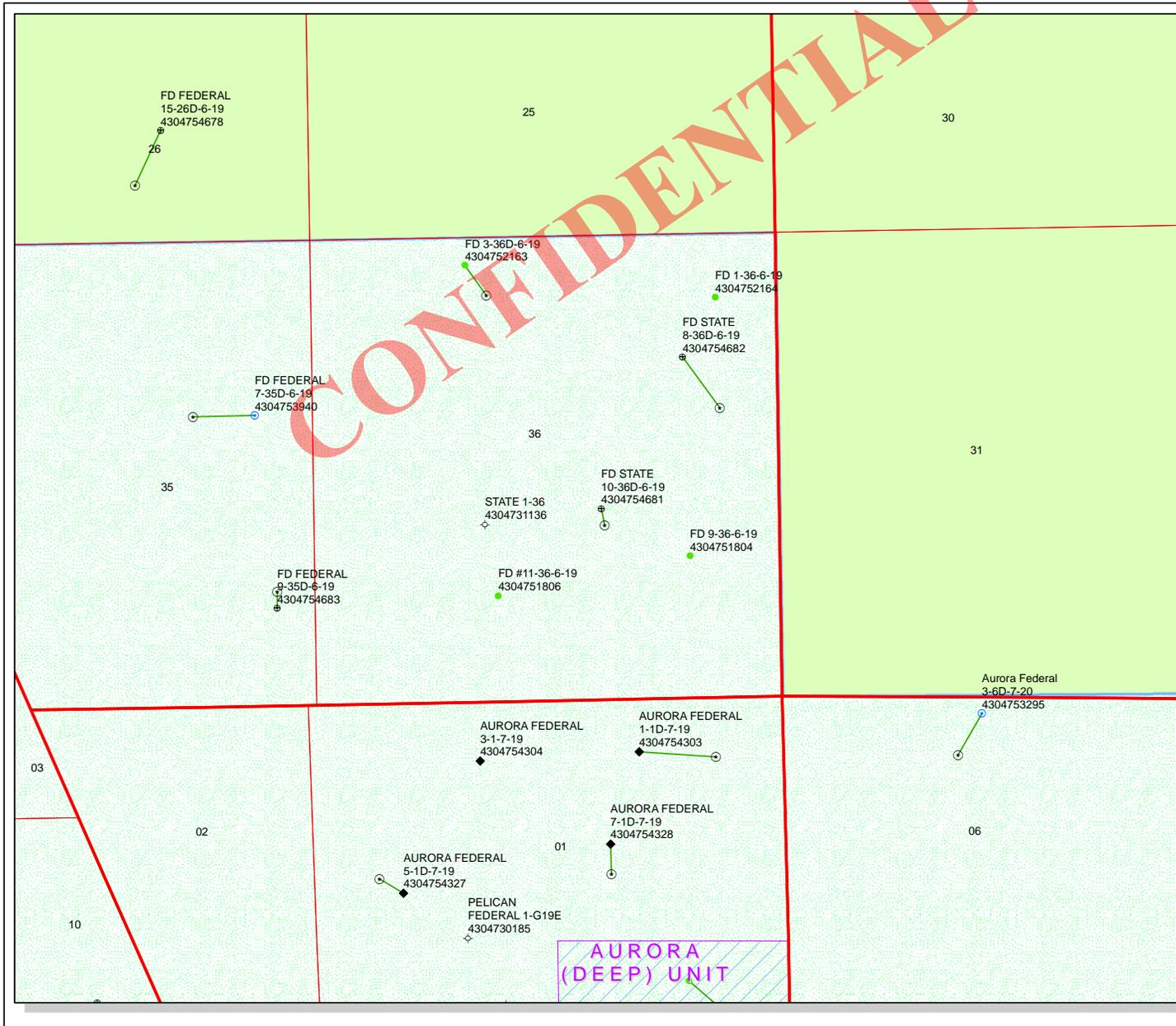
Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8164.

Regards,

A handwritten signature in black ink that reads 'Kevin T. Funk' with a stylized flourish underneath.

Kevin T. Funk  
Landman I

**BILL BARRETT CORPORATION**



API Number: 4304754681

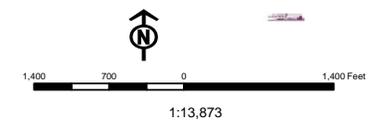
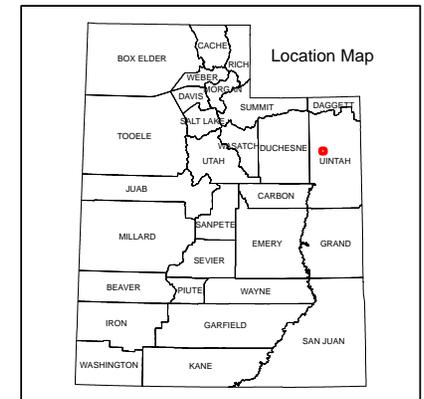
Well Name: FD STATE 10-36D-6-19

Township: T06.0S Range: R19.0E Section: 36 Meridian: S

Operator: BILL BARRETT CORP

Map Prepared: 8/6/2014  
Map Produced by Diana Mason

Wells Query		Units	
<b>Status</b>		<b>STATUS</b>	
◆ APD - Approved Permit		ACTIVE	
○ DRL - Spudded (Drilling Commenced)		EXPLORATORY	
↗ GW - Gas Injection		GAS STORAGE	
★ GS - Gas Storage		NF PP OIL	
⊕ LOC - New Location		NF SECONDARY	
⊖ OPS - Operation Suspended		PI OIL	
⊘ PA - Plugged Abandoned		PP GAS	
⊙ PGW - Producing Gas Well		PP GEOTHERML	
● POW - Producing Oil Well		PP OIL	
⊙ SGW - Shut-in Gas Well		SECONDARY	
● SOW - Shut-in Oil Well		TERMINATED	
⊘ TA - Temp. Abandoned			
○ TW - Test Well		<b>Fields</b>	
⊘ WDW - Water Disposal		<b>STATUS</b>	
⊙ WW - Water Injection Well		Unknown	
● WSW - Water Supply Well		ABANDONED	
		ACTIVE	
		COMBINED	
		INACTIVE	
		STORAGE	
		TERMINATED	



Well Name	BILL BARRETT CORP FD STATE 10-36D-6-19 43047546810000			
String	COND	SURF	PROD	
Casing Size(")	16.000	8.625	5.500	
Setting Depth (TVD)	80	1200	9259	
Previous Shoe Setting Depth (TVD)	0	80	1200	
Max Mud Weight (ppg)	8.7	8.7	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	4574		9.5	

Calculations	COND String	16.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	36		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	26	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	18	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	18	NO	
Required Casing/BOPE Test Pressure=		80	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

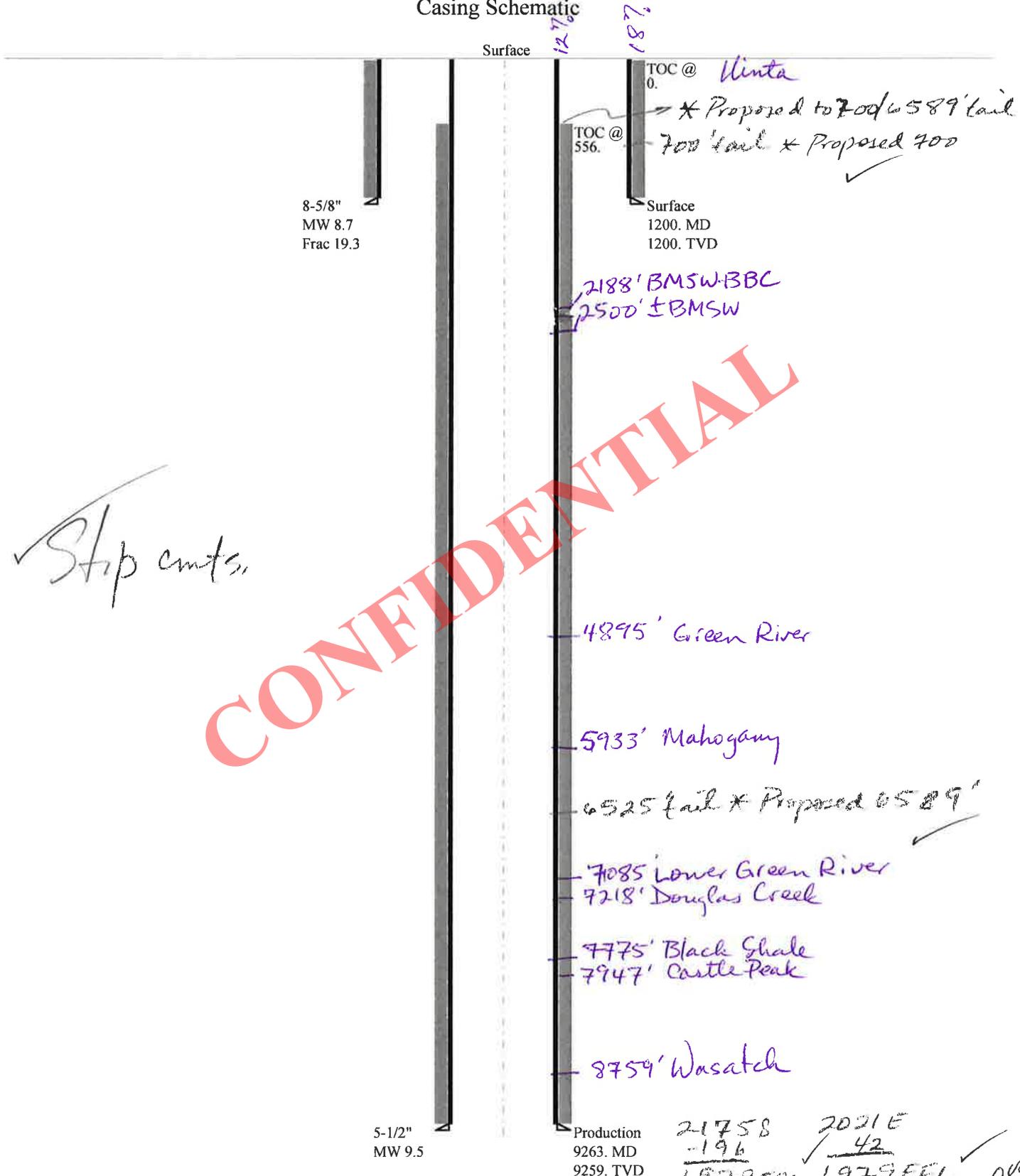
Calculations	SURF String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	543		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	399	YES	diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	279	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	297	NO	OK
Required Casing/BOPE Test Pressure=		1200	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient	

Calculations	PROD String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	4574		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3463	YES	5M BOPE with dbl rams, annular preventer, drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2537	YES	spool, choke & kill lines
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2801	NO	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		1200	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

43047546810000 FD State 10-36D-6-19

Casing Schematic



✓ Stop cmts.

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Well name:	<b>43047546810000 FD State 10-36D-6-19</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Surface	Project ID:	43-047-54681
Location:	UINTAH COUNTY		

**Design parameters:****Collapse**

Mud weight: 8.700 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 91 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 1,056 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,200 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 1,043 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 9,259 ft  
Next mud weight: 9.500 ppg  
Next setting BHP: 4,570 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,200 ft  
Injection pressure: 1,200 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)	Est. Cost (\$)
1	1200	8.625	24.00	J-55	ST&C	1200	1200	7.972	6178
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	542	1370	2.526	1200	2950	2.46	25	244	9.74 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: October 2, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1200 ft, a mud weight of 8.7 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.

Well name:	<b>43047546810000 FD State 10-36D-6-19</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Production	Project ID:	43-047-54681
Location:	UINTAH COUNTY		

**Design parameters:**

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

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 204 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

**Burst**

Max anticipated surface pressure: 2,532 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 4,570 psi

No backup mud specified.

**Burst:**  
 Design factor 1.00

Cement top: 556 ft

**Tension:**

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

**Directional Info - Build & Drop**

Kick-off point: 1600 ft  
 Departure at shoe: 200 ft  
 Maximum dogleg: 1.5 °/100ft  
 Inclination at shoe: 0 °

Tension is based on buoyed weight.  
 Neutral point: 7,929 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)	Est. Cost (\$)
1	9263	5.5	17.00	I-80	LT&C	9259	9263	4.767	103931

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	4570	6290	1.377	4570	7740	1.69	134.7	320	2.38 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Mining

Phone: 801 538-5357  
 FAX: 801-359-3940

Date: October 2, 2014  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9259 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

----- Forwarded message -----

From: **Jeff Conley** <jconley@utah.gov>

Date: Tue, Oct 28, 2014 at 7:37 AM

Subject: Well Approvals

To: Bradley Hill <bradhill@utah.gov>, Diana Mason <dianawhitney@utah.gov>

Cc: Brady Riley <briley@billbarrettcorp.com>

Hello,

The following wells have been approved by SITLA for both arch and paleo with the paleo requirement that it be spot checked if bedrock is impacted:

(4304754681) FD State 10-36D-6-19

(4304754685) FD State 2-36D-6-19

(4304754727) FD State 6-36D-6-19

The following well has been approved by SITLA for both arch and paleo with the paleo requirement that it be spot checked during all ground disturbing activities:

(4304754682) FD State 8-36D-6-19

Thanks,

—  
Jeff Conley  
SITLA Resource Specialist  
jconley@utah.gov

<https://mail.google.com/mail/u/0/?ui=2&ik=8f5180f90a&view=pt&search=inbox&th=1495748e89b509d3&siml=1495748e89b509d3>

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# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** BILL BARRETT CORP  
**Well Name** FD STATE 10-36D-6-19  
**API Number** 43047546810000      **APD No** 10134    **Field/Unit** MOFFAT CANAL  
**Location: 1/4,1/4** NWSE    **Sec** 36    **Tw** 6.0S    **Rng** 19.0E    2175    FSL    2021    FEL  
**GPS Coord (UTM)** 608079 4456651      **Surface Owner**

### Participants

Zack Garner and Jake Woodland (Bill Barrett Corporation), Cody Rich (surveyor), Whitney Szabo (permit contractor), Terra Miller (land contractor), Ed Bonner (SITLA)

### Regional/Local Setting & Topography

This location sits approximately 5 miles north west of Pelican Lake and 3.5 miles south of Hwy 40 between Vernal and Roosevelt, UT. This area is made up of broken hills and scattered rock ridges. To the north and west and farther to the south lie some irrigated farm and pasture land and directly below the location to the west lays the Ouray Park irrigation canal. Drainage from this location is to the canal. According to BBC representative Jake Woodland the Ouray Park Canal has been abandoned and is no longer used for irrigation.

### Surface Use Plan

**Current Surface Use**  
Grazing

New Road Miles	Well Pad Width 265 Length 380	Src Const Material	Surface Formation
0.01		Offsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Small sage, mormon tea, various desert grasses

#### **Soil Type and Characteristics**

Sandy loam

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** Y

Some minor drainages need to be diverted

**Berm Required? Y**

Permeable soil

**Erosion Sedimentation Control Required? N**

**Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run?    Cultural Resources? N**

**Reserve Pit**

<b>Site-Specific Factors</b>	<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b> >200	0
<b>Distance to Surface Water (feet)</b> >1000	0
<b>Dist. Nearest Municipal Well (ft)</b> >5280	0
<b>Distance to Other Wells (feet)</b> >1320	0
<b>Native Soil Type</b> High permeability	20
<b>Fluid Type</b> TDS>5000 and	10
<b>Drill Cuttings</b> Normal Rock	0
<b>Annual Precipitation (inches)</b>	0
<b>Affected Populations</b>	
<b>Presence Nearby Utility Conduits</b> Present	15
<b>Final Score</b>	45    1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit is proposed in a cut stable location. Dimensions are 190ft x 77ft x 10ft. Bill Barrett representative Zack Garner stated that a 20 mil reserve pit liner and felt subliner are standard equipment on all BBC reserve pits. This liner program appears adequate for this location.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y**

**Other Observations / Comments**

Richard Powell  
Evaluator

9/17/2014  
Date / Time

**Application for Permit to Drill  
Statement of Basis  
Utah Division of Oil, Gas and Mining**

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
10134	43047546810000	LOCKED	OW	S	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>		
<b>Well Name</b>	FD STATE 10-36D-6-19		<b>Unit</b>		
<b>Field</b>	MOFFAT CANAL		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWSE 36 6S 19E S 2175 FSL (UTM) 608081E 4456656N		2021 FEL GPS Coord		

**Geologic Statement of Basis**

Bill Barrett proposes to set 80 feet of conductor and 1,200 feet of surface casing at this location. The entire surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up to or above the base of the moderately saline ground water.

Brad Hill  
**APD Evaluator**

9/22/2014  
**Date / Time**

**Surface Statement of Basis**

This proposed well site is on state surface with state minerals. SITLA representative Ed Bonner attended this presite and expressed approval for drilling at this site. Mr. Bonner stated no concerns and made no recommendations for change to this proposed drill site. This proposed site is just off an existing oil well access road and as a result there is only a very short 52ft access road proposed. To the south and west there is an overhead electric power transmission line and although it places the well site closer to the drilling target the location can go no farther that direction without entering into the right of way. UDWR representative Ben Williams stated that this is yearlong pronghorn habitat but stated that the DWR would make no recommendations for this site. A diversion ditch will be required around the north end of the location. A reserve pit is proposed in a cut stable location and according BBC representative Zack Garner a 20 mil liner and felt subliner will be used. This liner program appears adequate for the site. Due to very permeable soils this location will require a berm to keep spilled or leaked fluid contained to the pad.

Richard Powell  
**Onsite Evaluator**

9/17/2014  
**Date / Time**

**Conditions of Approval / Application for Permit to Drill**

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

Surface Drainages adjacent to the proposed pad shall be diverted around the location.  
Surface The reserve pit shall be fenced upon completion of drilling operations.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/28/2014

API NO. ASSIGNED: 43047546810000

WELL NAME: FD STATE 10-36D-6-19

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NWSE 36 060S 190E

Permit Tech Review: 

SURFACE: 2175 FSL 2021 FEL

Engineering Review: 

BOTTOM: 1980 FSL 1980 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.25339

LONGITUDE: -109.72913

UTM SURF EASTINGS: 608081.00

NORTHINGS: 4456656.00

FIELD NAME: MOFFAT CANAL

LEASE TYPE: 3 - State

LEASE NUMBER: ML 50801

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 3 - State

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - LPM4138148
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 49-1645
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 3 - Commingle - dducet  
 5 - Statement of Basis - bhill  
 6 - State Antiquities - lcordova  
 12 - Cement Volume (3) - hmacdonald  
 15 - Directional - dmason  
 23 - Spacing - dmason  
 25 - Surface Casing - hmacdonald



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. HAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** FD STATE 10-36D-6-19

**API Well Number:** 43047546810000

**Lease Number:** ML 50801

**Surface Owner:** STATE

**Approval Date:** 10/29/2014

### Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

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

### Commingle:

Administrative approval for commingling the production from the Wasatch formation and the Green River formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

### General:

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

### Conditions of Approval:

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

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.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 700' MD and tail cement to 500' above top of Lower Green River as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical, or paleontological remains be encountered during your operations you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains. \*Per SITLA, paleo should be spot checked if bedrock is impacted.

#### **Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

#### **Notification Requirements:**

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

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office

- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

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

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

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047546810000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2175 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<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: 11/20/2014  <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	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> This well was spud on 11/20/2014 at 8:00 am by Triple A Drilling, Rig #TA 4037, Rig Type Soilmecc SR/30.		<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          November 21, 2014</b>
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/21/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047546810000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
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		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/30/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No monthly drilling to report, well spud on 11/19/2014		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          December 03, 2014</b>		
<b>NAME (PLEASE PRINT)</b>	<b>PHONE NUMBER</b>	<b>TITLE</b>
Christina Hirtler	303 312-8597	Administrative Assistant
<b>SIGNATURE</b>		<b>DATE</b>
N/A		12/3/2014

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330  
\_Submitted By Ricky Kuhr Phone Number 303-353-5374  
Well Name/Number FD State 10 -36D-6-19  
Qtr/Qtr NW/SE Section 36 Township 6S Range 19E  
Lease Serial Number ML 50801  
API Number 43-047-546810000

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 12/7/2014 1200 AM PM

BOPE

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

Date/Time 12/8/2014 2100 AM PM

Remarks Running 1200' of 8 5/8", 24#, J-55, STC csg.

—

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047546810000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2175 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<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: 12/31/2014	<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. <p style="text-align: center; font-size: 1.2em;">No monthly drilling to report, well spud on 11/19/2014</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>January 05, 2015</p> </div>		
<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/5/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
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<b>STATE:</b> UTAH	

**SUNDRY NOTICES AND REPORTS ON WELLS**

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<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19
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	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input 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: 12/31/2014	<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 December 2014 Drilling Activity for this well.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 January 08, 2015**

<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/5/2015	

**FD State 10-36D-6-19 12/6/2014 12:00 - 12/7/2014 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	3.50	15:30	1	RIGUP & TEARDOWN	MOVE RIG FROM THE FD STATE 6-36D-6-19 RIG 100 % ON LOCATION @ 3:30 PM
15:30	6.50	22:00	1	RIGUP & TEARDOWN	RIG UP, STEAM LINES FLOW LINE CONDUCTOR, FILL PITS, FLOOR, TOP DRIVE, ELECTRICAL WIRES, LAY OUT B.H.A AND STRAP RIG ON DAY WORK @ 7:00 PM
22:00	1.00	23:00	9	CUT OFF DRILL LINE	CUT AND SLIP DRILL LINE 60'
23:00	1.50	00:30	20	DIRECTIONAL WORK	MAKE BIT PICK UP DIRECTIONAL TOOLS, SHOCK SUB & REAMERS
00:30	5.00	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 90'-642' (552') 110' FPH AVG GPM=562 TOPDRIVE RPM=35 MOTOR RPM=65 TOTAL RPM= 150 WT ON BIT=16K OFF BOTTOM PRESSURE=1000 PSI DIFF PRESS=150-400 PSI
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD State 10-36D-6-19 12/7/2014 06:00 - 12/8/2014 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 642'-1231' (589') 130' FPH AVG GPM=562 TOPDRIVE RPM=35 MOTOR RPM=65 TOTAL RPM= 150 WT ON BIT=16K OFF BOTTOM PRESSURE=1100 PSI DIFF PRESS=150-400 PSI
10:30	0.50	11:00	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND
11:00	1.00	12:00	6	TRIPS	SHORT TRIP TO 6" AND BACK TO BOTTOM
12:00	0.50	12:30	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP
12:30	1.00	13:30	6	TRIPS	TRIP OUT OF HOLE FOR CASING RUN
13:30	1.50	15:00	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS REAMERS AND SHOCK SUB
15:00	0.50	15:30	21	OPEN	LEVEL DERRICK AND PREP FOR 8 5/8 CASING RUN
15:30	5.00	20:30	12	RUN CASING & CEMENT	RUN 8 5/8 24# J-55 ST&C CASING AS FOLLOWED 1 SHOE 1 JNT 1 FLOAT 27 JNTS BLM AND UDOGM NOTICE SENT OUT 12/6/14 @ 6 PM
20:30	1.00	21:30	5	COND MUD & CIRC	CIRCULATE WHILE RIGGING UP CEMENTERS
21:30	2.00	23:30	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 20 BBLS FRESH WATER 40 BBLS SUPER FLUSH @ 10 PPG 20 BBLS WATER 105 BBLS LEAD CEMENT 220 SKS @ 11.5 PPG YP 3.16 GALS/SK 19.43 77 BBLS TAIL CEMENT 310 SKS @ 14.8 PPG YP 1.37 GAL/SK 6.62 SHUT DOWN WASH UP LINES DROP PLUG DISPLACE WITH 75 BBLS FRESH WATER FINAL LIFT PRESURE 420 PSI BUMP THE PLUG @ 950 PSI FLOATS HELD 86 BBLS OF CEMENT BACK TO SURFACE BLM AND UDOGM NOTICE SENT OUT @ 12/7/14 @ 6 PM
23:30	1.00	00:30	13	WAIT ON CEMENT	W.O.C RIG DOWN CEMENT HEAD RIG UP 100 FEET 1" FOR TOP OUT
00:30	0.50	01:00	12	RUN CASING & CEMENT	PUMP 12 BBLS 60 SXS 15.8 1.15 YLD. 5.0 G/SK TOP OUT CEMENT RELEASE HALLIBURTON @ 11:30
01:00	2.00	03:00	13	WAIT ON CEMENT	WAIT ON CEMENT
03:00	1.50	04:30	21	OPEN	LIFT CONDUCTOR AND CUT 8 5/8 CASING LAY DOWN CONDUCTOR AND CASING WELD ON WELL CAMERON 11" 5M X 8-5/8" SOW AND TEST
04:30	1.50	06:00	14	NIPPLE UP B.O.P	NIPPLE UP B.O.Ps

**FD State 10-36D-6-19 12/8/2014 06:00 - 12/9/2014 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	14	NIPPLE UP B.O.P	FINISH NIPPLE UP
07:00	4.00	11:00	15	TEST B.O.P	HOLD S/M RIG UP TEST B.O.PS WITH ERIK WALKINS WITH B&C QUICK TEST B.O.Ps TEST 5000 HIGH F/10 MINS F.O.S.V AND DART VALVE UPPER KELLY VALVE PIPE RAMS INSIDE VALVES HCR, KILL LINE CHOKE LINE, CHECK VALVE INSIDE MANIFOLD VALVES BLIND RAMS SUPER CHOKE TEST 2500 PSI HIGH ANNULAR TEST SURFACE CASING TO 1500 PSI FOR 30 MINS BLM & UDOGM NOTICE WAS SENT OUT 12/6/2014 6:00 PM
11:00	1.00	12:00	21	OPEN	INSTALL WARE BUSHING CHANGE ROUGH NECK HEADS AND DIES
12:00	1.50	13:30	20	DIRECTIONAL WORK	MAKE UP BIT PICK UP DIRECTIONAL TOOLS & REAMERS
13:30	1.50	15:00	6	TRIPS	TRIP IN THE HOLE

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	1.00	16:00	2	DRILL ACTUAL	DRILL OUT CEMENT TAG @ 1179' FLOAT @ 1186' AND SHOE 1230' 20' NEW HOLE T/ 1251'
16:00	0.50	16:30	21	OPEN	CIRCULATE AND SPOT LCM PILL PERFORM FIT TEST TO 10.5 EMW 130 PSI
16:30	13.00	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 1254'-3647' (2396') 184' FPH AVG GPM=561 TOPDRIVE RPM=57 MOTOR RPM=82 TOTAL RPM=142 WT ON BIT=20K OFF BOTTOM PRESSURE=2324 PSI DIFF PRESS=150-400 PSI (MORNING TOUR B.O.P DRILL 1 MIN)
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE (FUNCTION TEST PIPE RAMS)

**FD State 10-36D-6-19 12/9/2014 06:00 - 12/10/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 3647'-4762' (1115') 106' FPH AVG GPM=561 TOPDRIVE RPM=57 MOTOR RPM=82 TOTAL RPM=142 WT ON BIT=20K OFF BOTTOM PRESSURE=2324 PSI DIFF PRESS=150-400 PSI
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE (FUNCTION TEST ANNULAR)
17:00	12.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 4762'-5235' (473') 42' FPH AVG GPM=466 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=20K OFF BOTTOM PRESSURE=1961 PSI DIFF PRESS=150-400 PSI
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD State 10-36D-6-19 12/10/2014 06:00 - 12/11/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	2	DRILL ACTUAL	Steerable drlg 5235' - 5323'. Wob 25k, spp 1800 psi, dp 150 psi, rpm 45/80, gpm 471, rop 35 fph.
08:30	0.50	09:00	7	LUBRICATE RIG	Rig service.
09:00	20.50	05:30	2	DRILL ACTUAL	Steerable drlg 5323' - 6057'. Wob 25k, spp 2000 psi, dp 150 psi, rpm 45/80, gpm 471, rop 36.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

**FD State 10-36D-6-19 12/11/2014 06:00 - 12/12/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable drlg 6057' - 6530'. Wob 25k, spp 2000 psi, dp 150 psi, rpm 45/80, gpm 471, rop 50 fph.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig service.
17:00	12.50	05:30	2	DRILL ACTUAL	Steerable drlg 6530' - 7075'. Wob 25k, spp 2000 psi, dp 150 psi, rpm 45/80, gpm 471, rop 44 fph. First core point - 7070' TVD.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service. Sweep hole, C&C mud f/toh.

**FD State 10-36D-6-19 12/12/2014 06:00 - 12/13/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	Sweep hole, C&C mud f/toh. WL 5.6.
07:00	3.50	10:30	6	TRIPS	Toh.
10:30	1.00	11:30	20	DIRECTIONAL WORK	LD dir tools.
11:30	3.00	14:30	21	OPEN	PU coring tools.
14:30	6.00	20:30	6	TRIPS	Tih w/core barrel to 5500'.
20:30	5.50	02:00	3	REAMING	W&R f/5500' - 7075'.
02:00	1.00	03:00	5	COND MUD & CIRC	Circ BU, drop ball.
03:00	3.00	06:00	21	OPEN	Coring f/7075' - 7097'.

**FD State 10-36D-6-19 12/13/2014 06:00 - 12/14/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	4	CORING	Coring 7097' - 7165'.
09:00	2.00	11:00	5	COND MUD & CIRC	Sweep hole, pump slug.
11:00	8.00	19:00	6	TRIPS	Toh @ <60 fpm.
19:00	3.50	22:30	21	OPEN	LD cores.
22:30	2.00	00:30	20	DIRECTIONAL WORK	PU new bit, mm, scribe tools.
00:30	4.00	04:30	6	TRIPS	Tih. Hole in good shape.
04:30	1.50	06:00	2	DRILL ACTUAL	Steerable drlg 7165' - 7285'. Wob 19k, spp 2150 psi, dp 250 psi, rpm 50/74, gpm 438, rop 80 fph.

**FD State 10-36D-6-19 12/14/2014 06:00 - 12/15/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	Steerable drlg 7285' - 7975'. Wob 24k, spp 2350 psi, dp 300 psi, rpm 45/74, gpm 438, rop 106 fph.
12:30	1.00	13:30	5	COND MUD & CIRC	Sweep hole, C&C mud f/ST.
13:30	1.00	14:30	6	TRIPS	ST to 7100'. Hole in good shape.
14:30	1.50	16:00	7	LUBRICATE RIG	Rig service. C&C f/toh.
16:00	6.00	22:00	6	TRIPS	Pump slug, blow TD down, Toh. LD dir tools.
22:00	4.00	02:00	21	OPEN	PU 180' coring assbly.
02:00	3.50	05:30	6	TRIPS	Tih @ 1k fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

**FD State 10-36D-6-19 12/15/2014 06:00 - 12/16/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	Finish tih.
07:30	2.00	09:30	5	COND MUD & CIRC	C&C mud, get BU.
09:30	3.00	12:30	4	CORING	Coring 7975' MD - 8041' MD. Core barrell jammed.
12:30	1.00	13:30	5	COND MUD & CIRC	Sweep hole, pump slug
13:30	7.50	21:00	6	TRIPS	Toh.
21:00	4.00	01:00	21	OPEN	Retrieve cores.
01:00	3.00	04:00	21	OPEN	PU new core bit, coring assbly, tih.
04:00	1.00	05:00	9	CUT OFF DRILL LINE	Slip and cut 75' drill line.
05:00	0.50	05:30	7	LUBRICATE RIG	Rig service.
05:30	0.50	06:00	6	TRIPS	Continue tih.

**FD State 10-36D-6-19 12/16/2014 06:00 - 12/17/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	6	TRIPS	Finish tih. Fill pipe every 1000'.
10:00	2.50	12:30	5	COND MUD & CIRC	Circ BU.
12:30	12.50	01:00	4	CORING	Core 8041' (8036' TVD) - 8095'(8090' TVD). Coring extremely slow.
01:00	1.00	02:00	5	COND MUD & CIRC	C&C f/toh. Pump slug.
02:00	3.50	05:30	6	TRIPS	Toh w/core.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

**FD State 10-36D-6-19 12/17/2014 06:00 - 12/18/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	6	TRIPS	Finish toh, recover 54' cores. LD BHA, XO bit. Function blind rams.
14:00	11.00	01:00	6	TRIPS	Tih w/180' core assbly, fill pipe every 1000'.
01:00	1.00	02:00	5	COND MUD & CIRC	Sweep hole, C&C mud to core.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
02:00	3.50	05:30	4	CORING	Coring 8095' MD (8090' TVD) - 8119' MD (8114' TVD). 10k wob, 46 rpm, 305 gpm, rop 7 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

**FD State 10-36D-6-19 12/18/2014 06:00 - 12/19/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	4	CORING	Coring 8119' MD (8114' TVD) - 8250' MD (8245' TVD). 10k wob, 46 rpm, 305 gpm, rop 12 fph.
17:00	1.50	18:30	5	COND MUD & CIRC	Sweep hole, C&C f/toh.
18:30	7.50	02:00	6	TRIPS	Toh.
02:00	3.00	05:00	21	OPEN	Recover 150' cores.
05:00	1.00	06:00	6	TRIPS	LD core outer barrels.

**FD State 10-36D-6-19 12/19/2014 06:00 - 12/20/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	4	CORING	LD core barrels, XO bit.
08:00	2.00	10:00	4	CORING	PU outer core barrels, stabilizers, inner sleeves.
10:00	7.50	17:30	6	TRIPS	Tih.
17:30	1.50	19:00	5	COND MUD & CIRC	Circ BU.
19:00	4.50	23:30	4	CORING	Coring 8250' MD (8245' TVD) - 8347' MD(8342 TVD). 10k wob, 46 rpm, 305 gpm, rop 22 fph.
23:30	1.00	00:30	5	COND MUD & CIRC	C&C f/toh.
00:30	5.00	05:30	6	TRIPS	Toh.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

**FD State 10-36D-6-19 12/20/2014 06:00 - 12/21/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	6	TRIPS	Finish toh to core barrels.
07:00	4.00	11:00	4	CORING	LD cores, LD outer barrels, stabilizers.
11:00	1.00	12:00	20	DIRECTIONAL WORK	PU dir tools, scribe.
12:00	6.00	18:00	6	TRIPS	Tih.
18:00	0.50	18:30	3	REAMING	W&R 8240' - 8347'.
18:30	7.50	02:00	2	DRILL ACTUAL	Steerable drlg 8347' - 8674'. Wob 25k, spp 2300 psi, dp 150 psi, rpm 45/74, gpm 438, rop 44 fph.
02:00	1.00	03:00	5	COND MUD & CIRC	Sweep hole, C&C f/ST.
03:00	2.00	05:00	6	TRIPS	ST to 7700'. Hole in good shape.
05:00	1.00	06:00	5	COND MUD & CIRC	Sweep hole, C&C f/logs.

**FD State 10-36D-6-19 12/21/2014 06:00 - 12/22/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.50	13:30	6	TRIPS	Toh f/logs.
13:30	1.00	14:30	20	DIRECTIONAL WORK	LD dir tools.
14:30	8.00	22:30	11	WIRELINE LOGS	HSM. RU loggers and run triple combo. Bridged off @ 8295', log to surface from there. RD loggers.
22:30	6.50	05:00	6	TRIPS	PU 7 7/8" tricone bit, tih. W&R through tight spot @ 8300'.
05:00	1.00	06:00	5	COND MUD & CIRC	Sweep hole, C&C f/logs.

**FD State 10-36D-6-19 12/22/2014 06:00 - 12/23/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	5	COND MUD & CIRC	C&C mud f/ST. MW 9.4 ppg, Vis 48 spq, PV 15, YP 13.
08:00	1.50	09:30	6	TRIPS	ST to 8100' - hole in good shape.
09:30	1.50	11:00	5	COND MUD & CIRC	Sweep hole, C&C f/logs.
11:00	8.00	19:00	6	TRIPS	Toh f/logs.
19:00	10.00	05:00	11	WIRELINE LOGS	HSM. RU loggers, rih w/dipole sonic, CMI image. Bridged out @ 8100', were stuck, got free. Logged from 8000'.
05:00	0.50	05:30	6	TRIPS	Set racks and load BHA.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

**FD State 10-36D-6-19 12/23/2014 06:00 - 12/24/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	6	TRIPS	Tih. Hole in good shape.
13:00	2.00	15:00	5	COND MUD & CIRC	Sweep hole. C&C f/csg. Spot 120 bbl Strata pill (15 ppb Vanguard, 15 ppb Flex Fine) f/5500' - 7000'.
15:00	6.50	21:30	6	TRIPS	Toh 5 jts, pump dry job. Toh.
21:30	0.50	22:00	21	OPEN	Remove wear bushing.
22:00	7.50	05:30	12	RUN CASING & CEMENT	Run 5 1/2", 17#, I-80, LT&C csg as follows: FS, 2 jts csg, FC, 18 jts csg, MJ @ 7751', 16 jts csg, MJ @ 7079, 162 jts csg.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

**FD State 10-36D-6-19 12/24/2014 06:00 - 12/24/2014 19:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00			FINISH RUNNING 5.5 CASING TAG WITH WASH DOWN JOINT TAG ON JOINT 198 LAND ON JOINT 197
07:00	3.00	10:00			CIRCULATE WHILE MOVING PIPE PV/YF 9/9 RIG UP HALLIBURTON GROUND EQUIUM, LAY DOWN WASH JOINT PICK UP LANDING JOINT AND PUMP 15 PPB STRATA FLEX FINE 15 PPB STRATA VANGAURD SHUT DOWN RIG PUMPS AND INSTALL CEMENT HEAD
10:00	3.00	13:00			SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 40 BBLS 10.5 PPG TUNED SPACER, 6 BBLS WATER SPACER 30 BBLS SUPER FLUSH 6 BBLS WATER 256 BBLS 615 SKS 11.0 PPG 2.34 YILED LEAD CEMENT MIXED @ 10.1 GAL/SK, 159 BBLS 615 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.91 GAL/SK, SHUT DOWN WASH LINES TO PIT DROP PLUG AND DISPLACE WITH 197 BBLS CLAY-WEB WATER/ALDACIDE NO CEMENT BACK TO SURFACE LOST RETURNS 140 BBLS INTO DISPLACEMENT SLOWED RATE TO 3 BPM REGAINED RETURNS 180 BBLS INTO DISPLACEMENT FINAL LIFT PRESSURE 2000 PSI BUMPED PLUG WITH 2500 PSI HELD FOR TWO MINS FLOATS HELD BLM AND UDOGM NOTICE WAS SENT OUT ON 12/22 @ 8:26 AM
13:00	2.00	15:00			SET PACK OFF WITH CAMERON TEST WELL HEAD
15:00	2.00	17:00			NIPPLE DOWN B.O.Ps
17:00	2.00	19:00			CLEAN PITS RELEASE RIG @ 19:00 PM

**FD State 10-36D-6-19 12/27/2014 06:00 - 12/28/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

**FD State 10-36D-6-19 12/28/2014 06:00 - 12/29/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI WITH METHANOL,

**FD State 10-36D-6-19 12/29/2014 06:00 - 12/30/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54681	Utah	Uintah	Fort Duchesne	COMPLETION	8,674.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	CTRL	Crew Travel	CREWS TRAVELS TO LOCATION. HSM
09:00	2.00	11:00	SRIG	Rig Up/Down	MIRU J&C 75 TON CRANE. MU OIL STATES 7" 5K LUBE. SURFACE TEST TOOLS.
11:00	5.00	16:00	DTIM	Downtime	SURFACE TEST TOOLS UNABLE TO GET TOOLS TO TEST. ELECTRICAL PROBLEM WITH LINE TRUCK BLOWING THE BREAKER IN THE TRUCK.
16:00	1.00	17:00	SRIG	Rig Up/Down	RDMO SCHLUMBERGER LINE TRUCK & TOOLS.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330  
\_Submitted By Pat Clark Phone Number 303-353-5374  
Well Name/Number FD State 10 -36D-6-19  
Qtr/Qtr NW/SE Section 36 Township 6S Range 19E  
Lease Serial Number ML 50801  
API Number 43-047-546810000

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 12/23/2014 1100 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 Running 8655' of 5 1/2", 17#, I-80, LTC csg.

—

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7.UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	
<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	
<b>9. API NUMBER:</b> 43047546810000	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	
<b>PHONE NUMBER:</b> 303 312-8134 Ext	
<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2175 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 06.0S Range: 19.0E Meridian: S	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/12/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <span style="border: 1px solid black; padding: 2px;">SITE SECURITY DIAGRAM</span>

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

SITE SECURITY DIAGRAM ATTACHED

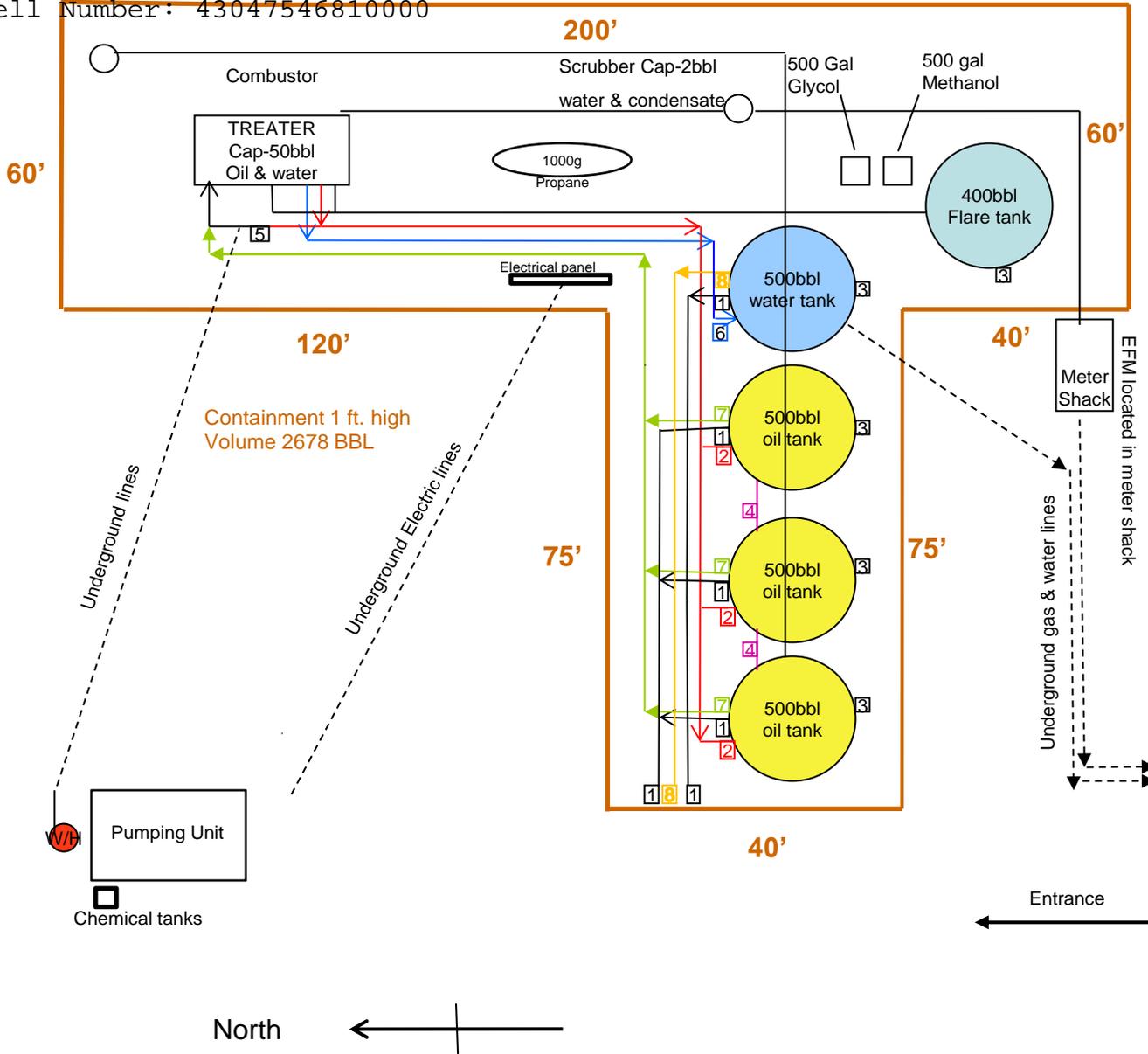
**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 14, 2015

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/12/2015	

Sundry Number: 59808 API Well Number: 43047546810000

**BILL BARRETT CORPORATION**  
 FD State 10-36D-6-19  
 NW ¼, SE 1/4, SEC.36, T6S, R19E,  
 Lease # ML 50801  
 API # 43-047-54681  
 Uintah Co. Utah

Site Security Plan Located at  
 Bill Barrett Corporation  
 Roosevelt Office  
 ROUTE 3 BOX 3110  
 1820 W HIGHWAY 40  
 ROOSEVELT, UT 84066



- 1 - 4" LOAD LINE
- Production Phase – sealed closed
- Sales Phase- open to load Production bought
- 2 – 3" OIL LINES
- Production Phase – open
- Sales Phase – sealed close
- 3 – 4" DRAIN
- Production Phase – sealed closed
- Sales Phase – sealed closed
- Drain water – open
- 4 – 4" UPPER EQUALIZER
- Production Phase – open
- Sales Phase – sealed close
- 5 – BYPASS
- 6 – 3" WATER LINES
- Production Phase – open
- No Sales Phase
- 7- 2" RECYCLE
- Production – open
- Sales – sealed closed
- 8- 2" WATER TANK SKIM
- Not sealed

- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank for emergency pressure relief of treater

Surface Drainage to South into intermittent wet drainage. Irrigation canal 200 yds to South.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801																														
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19																														
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047546810000																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2175 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH																														
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; font-size: 1.2em; font-weight: bold; margin: 10px 0;">           THIS WELL HAD FIRST PRODUCTION ON 1/15/2015         </div> <div style="text-align: right; font-weight: bold; margin-top: 20px;">           Accepted by the            Utah Division of            Oil, Gas and Mining  <b>FOR RECORD ONLY</b>            January 23, 2015         </div>																																
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/19/2015																															

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19	
<b>9. API NUMBER:</b> 43047546810000	
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<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19
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	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2015	<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
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	<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 January 2015 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 05, 2015

<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/5/2015	

**FD State 10-36D-6-19 1/1/2015 06:00 - 1/2/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	<p>CONT TESTING CHDT POINTS. LUBE FROZE. THAW OUT AND INJECT METHANOL. POOH AND REPLACE BIT. RUN BACK IN AND CONT TESTING CHDT POINTS.</p> <p>CHDT POINTS            8/ 7084' (NOT ATTEMPTED)            7/ 7176' (NOT ATTEMPTED)            6/ 7286.83' (PLUG LEAKED)            5/ 7432.00' (PLUGGED)            4/ 8020.05' (PLUGGED)            3/ 8061.17' (PLUGGED)            2/ 8104.03' (PLUGGED)            1/ 8296.94' (PLUGGED)            9/ 8368.01' (NOT PLUGGED)</p> <p>LD TOOLS. RD LUBE AND CRANE. WELL SECURE.</p>

**FD State 10-36D-6-19 1/3/2015 06:00 - 1/4/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	<p>MIRU HES WITH CRANE AND PACK OFF. RIH W/ 4.68" GR/JB. TAG AT 8508', DRLG SHOWS FC AT 8561' (53' FILL). RUN RMT/CBL LOG. (RMT TO 3000' AND CBL TO SURFACE). LOG SHOWS GOOD CMT TD-6925', POOR CMT 6925'-6730', GOOD CMT 6730'-6235', POOR CMT 6235'-2200'. EST TOC 2200'. DID NOT LOG WITH PRESSURE. LD TOOLS. RD EQUIP. SECURE WELL HEAD.</p>

**FD State 10-36D-6-19 1/8/2015 06:00 - 1/9/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	<p>N/U GOAT HEAD.            TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL. FILLING FRAC LINE.</p> <p>A&amp;M DIRT WORKS BLADED LOC FILLED IN 2' RUTS IN MIDDLE OF LOC.</p>

**FD State 10-36D-6-19 1/12/2015 06:00 - 1/13/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	<p>MIRU 5 WILLIES FRAC HEATERS, HEAT FRAC LINE TO 100*. RDMO. 37) 600S</p>

**FD State 10-36D-6-19 1/13/2015 06:00 - 1/14/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.50	09:30	SRIG	Rig Up/Down	MIRU CUTTERS W/ 5" 10K LUBE. MIRU HES FRAC FLEET.
09:30	1.00	10:30	PFRT	Perforating	<p>PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 7068'-7090' AND 7740'-7762'. RUN DOWN AND PERF UTELAND BUTTE FORM 8085'-8391' WITH 60 HOLES IN 20' NET. POOH AND VERIFY ALL GUNS SHOT.</p> <p>SHUT IN TURN WELL OVER TO HES</p>
10:30	1.00	11:30	SMTG	Safety Meeting	HES FINISH RIGGING UP TO WELL HEAD,HSM, QC FLUIDS,
11:30	4.00	15:30	DTIM	Downtime	HAD COMPUTER ISSUES IN TCC. ENDED UP HAVING TO REINSTALL ACE 1.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
15:30	2.34	17:50	FRAC	Frac. Job	PRIME CHEMICALS & PUMPS.  FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 93 PSI AT 15:50 BREAK DOWN 2138 PSI AT 5.0 BPM. PMP 3900 GAL 15% HCL ACID W/ 120 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1440 PSI. FLUSH W/ 7930 GAL. 29.4 BPM AT 2090 PSI. BALL OUT (MAX PRESSURE 2165 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.  STAGE FR PAD. STABLE RATE OF 72.2 BPM AT 2715 PSI. ISDP 1491 . FG .62. PERFS OPEN 32/60  ISIP 1495, FG .61, MR 72.5 BPM, AR 72.2 BPM, MP 4107 PSI (ON FINAL FLUSH 3750 PSI), AP 2679 PSI 100 MESH 7,957 LBS 0.75PPG 30/50 WHITE 150,543 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# GEL) & 1.5-3.0 (20# HYBOR) SLK WTR 3438 BBLs, 20# GEL 807 BBLs, 20# HYBOR 672 BBL.BTR 5223 BBLs.  STAGE SCORE 10 "HAD ISSUES GETTING CL-31 LINED OUT PUMPED MOST OF STG W/OUT SURFACE CROSS."  SHUT IN AND TURN OVER TO CUTTERS
17:50	1.00	18:50	PFRT	Perforating	PERF STG #2- PU HES 5-1/2" 10K CFP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE (WITH METHANOL) 1600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7068'-7090' & 7740'-7762'. RUN DOWN AND SET 5-1/2" CFP AT 8078' WITH 1550 PSI. PULL UP AND PERF BSF/CSTL PK FORM 7782'-8063' WITH 45 HOLES IN 15' NET. END PERFS WITH 1500 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN.  TURN WELL OVER TO HES.
18:50	11.16	06:00	LOCL	Lock Wellhead & Secure	WINTERIZE EQUIP. LOCK & SECURE WELL.

**FD State 10-36D-6-19 1/14/2015 06:00 - 1/15/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	CTRL	Crew Travel	"CREW HAD TO GET 10HRS OFF LAST NIGHT"  AOL 07:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS, ICE PLUGS, PROTECHNICS ON LOC.



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
08:00	2.00	10:00	FRAC	Frac. Job	<p>FRAC STG 2            PRESSURE TEST LINES TO 7250 PSI.            OPEN WELL W/ 1180 PSI AT 8:05 AM            BREAK DOWN 1338 PSI AT 6.2 BPM.            PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1580 PSI.            FLUSH W/ 7650 GAL. BPM AT PSI. BALL OUT (MAX PRESSURE 5992 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>STAGE FR PAD. STABLE RATE OF 68.3 BPM AT 3532 PSI. ISDP 2196 . FG .71.            PERFS OPEN 28/45</p> <p>ISIP 2196, FG .71, MR 73 BPM, AR 72.4 BPM, MP 5133 PSI (ON FINAL FLUSH 5100 PSI), AP 3566 PSI            100 MESH 7,947 LBS 0.75PPG            30/50 WHITE 150,313 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) &amp; 1.5-3.0 (20# HYBOR)            SLK WTR 3514 BBLS, 20# LINEAR 777 BBLS, 20# HYBOR 720 BBLS.BTR 5320 BBLS.</p> <p>STAGE SCORE 10</p> <p>"SCREWS TURNED OFF WHEN WE STG TO 20# HYBOR STG. KICKED SCREWS BACK ON PUMP STG TO DESIGN"</p> <p>SHUT IN TURN WELL OVER TO CUTTERS</p>
10:00	1.00	11:00	PFRT	Perforating	<p>PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE (WITH METHANOL) 1890 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7068'-7090'. RUN DOWN AND SET 5-1/2" CBP AT 7774' WITH 1800 PSI. PULL UP AND PERF DOUGLAS CREEK/3PT MKR FORM 7483'-7760' WITH 45 HOLES IN 15' NET. END PERFS WITH 1700 PSI.            POOH AND VERIFY ALL GUNS SHOT.</p> <p>SHUT IN TURN WELL OVER TO HES.</p>
11:00	2.00	13:00	FRAC	Frac. Job	<p>FRAC STG 3            PRESSURE TEST LINES TO 7200 PSI.            OPEN WELL W/ 1620 PSI AT 11:05 AM            BREAK DOWN 2898 PSI AT 9.9 BPM.            PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1850 PSI.            FLUSH W/ 9660 GAL. 30 BPM AT 2620 PSI. BALL OUT (MAX PRESSURE 5857 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>STAGE FR PAD. STABLE RATE OF 72.8 BPM AT 3909 PSI. ISDP 2203 . FG .72.            PERFS OPEN 25/45</p> <p>ISIP 2498, FG .76, MR 73 BPM, AR 72.9 BPM, MP 4822 PSI (ON FINAL FLUSH 4600 PSI), AP 3526 PSI            100 MESH 8,240 LBS 0.75PPG            30/50 WHITE 147,493 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) &amp; 1.5-3.0 (20# HYBOR)            SLK WTR 3512 BBLS, 20# LINEAR 778 BBLS,20# HYBOR 663 BBLS. BTR 5269 BBLS.</p> <p>STAGE SCORE 10</p> <p>"CUT STG 24 SKS SHORT ON 30/50 DUE TO BEING SHORT ON VOLUME HAULED TO LOC. HES CHECKED INTO IT ENDED UP HAVING VOLUME ON LOC, A SAND HAULER WASN'T ABLE TO FULLY UNLOAD LAST NIGHT HAULED 48 SKS HOME. 0 HIS WEIGHT AND FULLY LOADED ANOTHER 506 SACKS ON HIM AND THATS WHAT HIS WEIGHT SLIP SHOWED TODAY, WHEN HE REALLY HAD ON 554 SACKS. WILL PLACE REMAINING SAND IN STG 4."</p> <p>SHUT IN TURN WELL OVER TO CUTTERS</p>



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
13:00	1.00	14:00	PFRT	Perforating	PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE (WITH METHANOL) 2200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7068'-7090'. RUN DOWN AND SET 5-1/2" CBP AT 7380' WITH 2200 PSI. PULL UP AND PERF TGR3/DOUGLAS CREEK FORM 7082'-7363' WITH 45 HOLES IN 15' NET. END PERFS WITH 1900 PSI. POOH AND VERIFY ALL GUNS SHOT.  SHUT IN TURN WELL OVER TO HES.
14:00	2.00	16:00	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 1971 PSI AT 14:00 BREAK DOWN 2570 PSI AT 10 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1350 PSI. FLUSH W/ GAL. 35 BPM AT 3200 PSI. BALL OUT (MAX PRESSURE 6046 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.  STAGE FR PAD. STABLE RATE OF 72.6 BPM AT 3791 PSI. ISDP 1667 . FG .68. PERFS OPEN 22/45  ISIP 1696, FG .67, MR BPM, AR 72.4 BPM, MP 4943 PSI (ON FINAL FLUSH 4000 PSI), AP 3240 PSI 100 MESH 8,436 LBS 0.75PPG 30/50 WHITE 150,688 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) & 1.5-3.0 (20# HYBOR) SLK WTR 3496 BBLs, 20# LINEAR 800 BBLs, 20# HYBOR 815 BBLs. BTR 5420 BBLs.  STAGE SCORE 10  HES RIGGED DOWN CANDY CANES OFF OF FRAC TREE.  SHUT IN TURN WELL OVER TO CUTTERS
16:00	1.00	17:00	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1600 PSI. RIH & SET KILL PLUG AT 7060' WITH 1525 PSI. BLEED OFF WELL AS POOH.
17:00	2.00	19:00	SRIG	Rig Up/Down	RDMO HES AND CUTTERS FRAC FLEET.
19:00	11.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. STACK FRAC WTR. MOVE OFF FRAC LINE.

**FD State 10-36D-6-19 1/15/2015 06:00 - 1/16/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM
07:00	0.50	07:30	RMOV	Rig Move	ROAD RIG TO LOCATION.
07:30	1.00	08:30	SRIG	Rig Up/Down	SPOT AND RUSU.
08:30	1.00	09:30	BOPI	Install BOP's	ND FRAC VALVES. NU 7" 5k BOP AND HYDRIL. PLUMB IN FLOW LINES. RU FLOOR. SPOT CATWALK AND PIPE RACKS.
09:30	1.50	11:00	GOP	General Operations	UNLOAD 273-JTS 2-7/8" L-80 TBG.
11:00	4.00	15:00	RUTB	Run Tubing	MU 4-3/4" BIT, BIT SUB (BFF), 1-JT, AND DRAIN SUB. RIH AS MEAS AND PU 221-JTS 2-7/8" TBG.
15:00	1.00	16:00	PTST	Pressure Test	RU PWR SWIVEL. FILL TBG TO EST CIRC. PRES TEST HYDRIL, PIPE RAM, AND LINES TO 2500 PSI. GOOD. BLEED OFF AND OPEN BOP.
16:00	2.00	18:00	DOPG	Drill Out Plugs	EST CIRC AND D/O PLUGS. PUMP 1 BPM. HOLD 1000 PSI BACK PRES ON 18/64 AS D/O KILL PLUG.  CBP #1 AT 7060'. 0' FILL. D/O IN 10 MIN. FCP 700 PSI. 18/64" CHOKE. RIH. CBP #2 AT 7380'. 30' FILL. D/O IN 7 MIN. FCP 1400 PSI. /64" CHOKE. RIH W/ 1-JT.  HANG PWR SWIVEL. CIRC CLEAN. DRAIN PUMP AND LINES. TURN TO FBC AND PRODUCTION.
18:00	12.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL TURN TO FBC AND PRODUCTION. ON 18/64" WITH 1250 PSI.


**FD State 10-36D-6-19 1/16/2015 06:00 - 1/17/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. WELL FLOWING TO TREATER 600 PSI ON 18/64". NO OIL OR GAS. TURN BACK TO FB TANK.	
07:00	5.00	12:00	DOPG	Drill Out Plugs	CONT RIH AS D/O PLUGS. PUMP 1 BPM, RETURN 2 BPM.  CBP #3 AT 7774'. 10' FILL. D/O IN 10 MIN. FCP 700 PSI ON 20/64". RIH CBP #4 AT 8078'. 12' FILL. D/O IN 10 MIN. FCP 900 PSI ON 22/64". RIH. C/O 150' FILL TO FC AT 8561'. D/O 20' CMT TO PBTD AT 8581'.  CIRC CLEAN. RD PWR SWIVEL.	
12:00	0.50	12:30	PULT	Pull Tubing	POOH AS LD 50-JTS.	
12:30	1.50	14:00	BOPR	Remove BOP's	LUBE IN AND LAND HANGER. RD FLOOR. ND BOP. NU WH. PLUMB IN FLOW LINES  TBG DETAIL KB 13.00 HANGER .85 219-JTS 2-7/8" L-80 6950.24 DRAIN SUB 1.00 1-JT 2-7/8" L-80 31.73 BIT SUB (BFF) 2.04 4-3/4" BIT .38  EOT AT 6999.24'	
14:00	2.00	16:00	SRIG	Rig Up/Down	DROP BAR DOWN TBG. 5 MIN TO DRAIN SUB. SITP 900 PSI, SICP 825 PSI. TURN TO TREATER WITH 850 PSI ON 16/64" CHOKE AT 14:30.  DRAIN AND RACK OUT PUMP. RDSU. MOVE TO 13-30D-2-2.	
16:00	14.00	06:00	FBCK	Flowback Well	WELL TURNED OVER TO FB CREW AND PRODUCTION.	

**FD State 10-36D-6-19 1/19/2015 06:00 - 1/20/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	CTRL	Crew Travel	CT, HSM, WELL FLOWING TO TREATER 50PSI. MOVE RIG 7 MILES IN VERY FOGGY CONDITONS.	
08:00	1.00	09:00	SRIG	Rig Up/Down	MIRU DERRICK	
09:00	0.50	09:30	HOIL	Hot Oil Well	PUMPED 100BBLs BRINE, CONTROL WELL.	
09:30	1.00	10:30	SRIG	Rig Up/Down	X/O TO TBG EQUIP, N/D WELL HEAD, N/U BOP, R/U WORK FLOOR.	
10:30	2.00	12:30	PULT	Pull Tubing	POOH W/TBG & D/O BHA	
12:30	2.00	14:30	RUTB	Run Tubing	MU AND RIH W/ PROD BHA AND TBG.  TBG DETAIL KB 13.00' HANGER .85' STRETCH 2.54' 216-JTS 2-7/8" L-80 6855.10' 5-1/2" 8RD TAC 2.75' 3-JTS 2-7/8" L-80 95.18' 4' TBG SUB 4.15' 2-1/4" PUMP CAVITY 26.88' 4' TBG SUB 4.15' 3-1/2" DESANDER 17.25' 5-JTS 2-7/8" L-80 158.72 BULL PLUG .75  TAC @ 6871.49' PSN @ 7000.45' EOT @ 7181.32'	
14:30	1.50	16:00	SRIG	Rig Up/Down	R/U WORKFLOOR, N/D BOP, SET TAC W/20K TENSION, N/U FLOW TEE, X/O TO ROD EQUIP, SPOT IN & PREP RODS.	
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL. CASING OPEN TO PRODUCTION TANKS.	


**FD State 10-36D-6-19 1/20/2015 06:00 - 1/21/2015 06:00**

API 43-047-54681	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 8,674.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CT, HSM, SITP 25PSI, FCP 0 PSI.
07:00	2.50	09:30	GOP	General Operations	WELL FLOWING UP TBG. FLUSH TBG W/200BBLs WTR @ 1BPM.
09:30	0.50	10:00	RURP	Run Rods & Pump	START RIH W/PUMP & RODS.
10:00	1.17	11:10	DTIM	Downtime	BUSTED AIR FITTING TO CLUTCH, ON RIG. PUSHER HAD TO MEET SOMEONE TO GET FITTING, REPAIRED, RESUMED OPERATIONS.
11:10	2.83	14:00	RURP	Run Rods & Pump	FINISH RIH W/ PUMP & RODS.  1) 1 1/2"X30' POLISH ROD 1) 2' 7/8" PONIES 76) 1" D 4 PERS 80) 7/8" D 4PERS 85) 3/4" D 4PERS 36) 1" D 4PERS 1) SC 1) 2.5-2.25-THBM-24' "TBG PUMP"
14:00	1.50	15:30	GOP	General Operations	SPACE OUT FOR 168" STROKE, FILL & STROKE TEST TO 800 PSI GT. HANG HORSES HEAD & RODS. RDSU, PWOP.
15:30	1.00	16:30	SRIG	Rig Up/Down	RDSU. MOVE OFF LOC.
16:30	1.00	17:30	RMOV	Rig Move	ROAD RIG TO THE 3-29D-2-2 "15 MILE MOVE"
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL. TURN OVER TO PRODUCTION.

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

AMENDED REPORT  FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML 50801</b>
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR: <b>Bill Barrett Corporation</b>		8. WELL NAME and NUMBER: <b>FD 10-36D-6-19</b>
3. ADDRESS OF OPERATOR: <b>1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202</b>		9. API NUMBER: <b>4304754681</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>2175 FSL 2021 FEL</b>  AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>1975 FSL 1981 FEL</b>  AT TOTAL DEPTH: <b>1927 FSL 1969 FEL</b>		10 FIELD AND POOL, OR WILDCAT <b>Moffat Canal</b>
14. DATE SPUDDED: <b>11/20/2014</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWSE 36 6S 19E S</b>
15. DATE T.D. REACHED: <b>12/21/2014</b>		12. COUNTY <b>Uintah</b>
16. DATE COMPLETED: <b>1/15/2015</b> ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		13. STATE <b>UTAH</b>
17. ELEVATIONS (DF, RKB, RT, GL): <b>4950 GL</b>		
18. TOTAL DEPTH: MD <b>8,674</b> TVD <b>8,669</b>	19. PLUG BACK T.D.: MD <b>8,562</b> TVD <b>8,557</b>	20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE MD PLUG SET: TVD		
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) <b>Triple COMBO/CBL/MUD</b>		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Conq	65#	0	80	80			0	
12 1/4	8 5/8 J-55	24#	0	1,231	1,231	Lead 220	105	0	
						Tail 360	84		
7 7/8	5 1/2 P110	17#	0	8,674	8,651	Tuned 615	256	3396	
						ECON 615	159		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	8,326							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	7,082	8,391			7,082 8,391	.38	195	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7,082-8,391	Green River: See attached Stage 1-4

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS       GEOLOGIC REPORT       DST REPORT       DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION       CORE ANALYSIS       OTHER: \_\_\_\_\_

30. WELL STATUS:  
**POW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 1/15/2015		TEST DATE: 1/26/2015		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 196	GAS – MCF: 42	WATER – BBL: 406	PROD. METHOD: Flowing
CHOKE SIZE: 48/64	TBG. PRESS. 300	CSG. PRESS. 75	API GRAVITY 31.00	BTU – GAS 1	GAS/OIL RATIO 214	24 HR PRODUCTION RATES: →	OIL – BBL: 196	GAS – MCF: 42	WATER – BBL: 406	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	4,897
				Mahogany	5,936
				TGR3	7,079
				Douglas Creek	7,213
				Black Shale Facies	7,780
				Castle Peak	7,860
				Uteland Butte	8,097
				Wasatch	8,624
				TD	8,674

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 1/23/2015; first oil sales 1/27/2015.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christina Hirtler TITLE Permit Analyst  
 SIGNATURE \_\_\_\_\_ DATE 2/11/2015

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

**FD State 10-36D-6-19 Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<b><u>Stage</u></b>	<b><u>bbls Slurry</u></b>	<b><u>lbs 100 Common Mesh</u></b>	<b><u>lbs 30/50 Premium White</u></b>	<b><u>gal 15% HCl Acid</u></b>
1	5399	7957	150543	3900
2	5500	7947	150313	3900
3	5443	8240	147576	3400
4	5610	8436	150688	3400

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



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Well:</b>	FD State 10-36D-6-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	Fort Duchesne		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Southern Zone		

<b>Site</b>	SECTION 36 T6S, R19E		
<b>Site Position:</b>		<b>Northing:</b>	11,153,657.49 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,135,118.75 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 15' 12.040 N
		<b>Longitude:</b>	109° 43' 44.880 W
		<b>Grid Convergence:</b>	1.08 °

<b>Well</b>	FD State 10-36D-6-19, SHL: 40° 15' 12.040 -109° 43' 44.880					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	11,153,657.48 usft	<b>Latitude:</b>	40° 15' 12.040 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,135,118.75 usft	<b>Longitude:</b>	109° 43' 44.880 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	4,962.0 usft	<b>Ground Level:</b>	4,949.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	12/3/2014	10.76	65.94	52,090

<b>Design</b>	Actual				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	168.19	

<b>Survey Program</b>	<b>Date</b>	12/22/2014		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
387.0	8,674.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Well:</b>	FD State 10-36D-6-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
387.0	0.48	329.58	387.0	387.0	-1.5	1.4	-0.8	0.12	0.12	0.12	0.00
478.0	0.48	252.94	478.0	478.0	-1.9	1.6	-1.4	0.65	0.00	-84.22	
570.0	0.62	284.10	570.0	570.0	-2.0	1.6	-2.2	0.35	0.15	33.87	
661.0	0.52	234.00	661.0	661.0	-2.1	1.5	-3.0	0.54	-0.11	-55.05	
753.0	0.88	241.38	753.0	753.0	-1.7	0.9	-4.0	0.40	0.39	8.02	
844.0	0.75	261.56	844.0	844.0	-1.5	0.5	-5.2	0.34	-0.14	22.18	
930.0	0.35	204.08	930.0	930.0	-1.4	0.2	-5.9	0.74	-0.47	-66.84	
1,016.0	0.97	227.45	1,016.0	1,016.0	-0.8	-0.6	-6.5	0.77	0.72	27.17	
1,101.0	0.88	276.37	1,100.9	1,100.9	-0.6	-1.0	-7.7	0.91	-0.11	57.55	
1,159.0	1.01	244.42	1,158.9	1,158.9	-0.6	-1.1	-8.6	0.92	0.22	-55.09	
1,261.0	0.62	250.67	1,260.9	1,260.9	-0.4	-1.7	-9.9	0.39	-0.38	6.13	
1,347.0	0.71	166.46	1,346.9	1,346.9	0.2	-2.4	-10.2	1.04	0.10	-97.92	
1,435.0	0.49	152.18	1,434.9	1,434.9	1.2	-3.3	-9.9	0.30	-0.25	-16.23	
1,522.0	0.40	167.87	1,521.9	1,521.9	1.8	-3.9	-9.7	0.17	-0.10	18.03	
1,610.0	1.28	187.08	1,609.9	1,609.9	3.0	-5.2	-9.8	1.04	1.00	21.83	
1,695.0	1.99	175.67	1,694.9	1,694.9	5.4	-7.6	-9.8	0.91	0.84	-13.42	
1,782.0	3.18	173.29	1,781.8	1,781.8	9.3	-11.5	-9.4	1.37	1.37	-2.74	
1,867.0	2.75	147.38	1,866.7	1,866.7	13.6	-15.5	-8.0	1.64	-0.51	-30.48	
1,953.0	2.70	155.27	1,952.6	1,952.6	17.5	-19.1	-6.0	0.44	-0.06	9.17	
2,038.0	2.78	151.65	2,037.5	2,037.5	21.4	-22.7	-4.2	0.22	0.09	-4.26	
2,123.0	2.70	150.38	2,122.4	2,122.4	25.3	-26.3	-2.2	0.12	-0.09	-1.49	
2,209.0	2.52	142.97	2,208.3	2,208.3	28.9	-29.6	-0.1	0.44	-0.21	-8.62	
2,294.0	2.39	149.58	2,293.2	2,293.2	32.3	-32.6	1.9	0.37	-0.15	7.78	
2,379.0	2.52	145.66	2,378.1	2,378.1	35.7	-35.7	3.9	0.25	0.15	-4.61	
2,466.0	2.30	156.28	2,465.1	2,465.1	39.2	-38.8	5.7	0.57	-0.25	12.21	
2,554.0	2.39	164.79	2,553.0	2,553.0	42.7	-42.2	6.8	0.41	0.10	9.67	



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Well:</b>	FD State 10-36D-6-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
2,639.0	2.52	160.86	2,637.9	46.3	-45.7	7.9	0.25	0.15	-4.62	
2,725.0	2.39	155.58	2,723.8	50.0	-49.1	9.3	0.30	-0.15	-6.14	
2,813.0	2.30	175.19	2,811.8	53.5	-52.5	10.2	0.91	-0.10	22.28	
2,902.0	2.39	164.39	2,900.7	57.1	-56.1	10.8	0.51	0.10	-12.13	
2,988.0	2.70	179.68	2,986.6	60.9	-59.9	11.3	0.86	0.36	17.78	
3,077.0	2.92	183.38	3,075.5	65.2	-64.2	11.2	0.32	0.25	4.16	
3,163.0	2.78	182.37	3,161.4	69.3	-68.5	11.0	0.17	-0.16	-1.17	
3,248.0	2.78	182.37	3,246.3	73.3	-72.6	10.8	0.00	0.00	0.00	
3,333.0	2.70	175.98	3,331.2	77.3	-76.7	10.9	0.37	-0.09	-7.52	
3,419.0	2.78	178.67	3,417.1	81.3	-80.8	11.1	0.18	0.09	3.13	
3,504.0	3.00	166.68	3,502.0	85.6	-85.0	11.6	0.76	0.26	-14.11	
3,590.0	2.92	161.88	3,587.9	90.0	-89.3	12.8	0.30	-0.09	-5.58	
3,675.0	2.78	161.35	3,672.8	94.2	-93.3	14.2	0.17	-0.16	-0.62	
3,760.0	2.78	166.68	3,757.7	98.3	-97.2	15.3	0.30	0.00	6.27	
3,847.0	2.92	159.06	3,844.6	102.6	-101.4	16.6	0.46	0.16	-8.76	
3,932.0	2.39	160.16	3,929.5	106.5	-105.1	17.9	0.63	-0.62	1.29	
4,017.0	2.78	163.46	4,014.4	110.3	-108.7	19.1	0.49	0.46	3.88	
4,103.0	2.30	160.29	4,100.3	114.1	-112.3	20.3	0.58	-0.56	-3.69	
4,188.0	2.61	161.97	4,185.2	117.7	-115.8	21.5	0.37	0.36	1.98	
4,274.0	2.30	157.38	4,271.1	121.4	-119.2	22.8	0.43	-0.36	-5.34	
4,362.0	2.52	153.28	4,359.1	125.0	-122.6	24.3	0.32	0.25	-4.66	
4,448.0	2.39	156.37	4,445.0	128.5	-125.9	25.9	0.22	-0.15	3.59	
4,534.0	2.21	158.97	4,530.9	131.9	-129.1	27.2	0.24	-0.21	3.02	
4,619.0	2.52	157.69	4,615.8	135.4	-132.4	28.5	0.37	0.36	-1.51	
4,705.0	3.09	193.78	4,701.7	139.3	-136.4	28.7	2.12	0.66	41.97	
4,790.0	3.00	185.85	4,786.6	143.5	-140.8	27.9	0.51	-0.11	-9.33	
4,877.0	2.39	151.57	4,873.5	147.4	-144.7	28.5	1.94	-0.70	-39.40	



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Well:</b>	FD State 10-36D-6-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
4,962.0	2.52	165.67	4,958.5	151.0	-148.0	29.8	0.72	0.15	16.59	
5,047.0	1.99	157.78	5,043.4	154.3	-151.2	30.8	0.72	-0.62	-9.28	
5,133.0	1.81	160.69	5,129.3	157.1	-153.9	31.9	0.24	-0.21	3.38	
5,221.0	1.68	169.06	5,217.3	159.8	-156.4	32.6	0.32	-0.15	9.51	
5,310.0	1.90	153.77	5,306.3	162.5	-159.1	33.5	0.59	0.25	-17.18	
5,400.0	1.90	148.26	5,396.2	165.4	-161.7	34.9	0.20	0.00	-6.12	
5,485.0	2.30	148.79	5,481.2	168.3	-164.3	36.5	0.47	0.47	0.62	
5,570.0	1.99	172.45	5,566.1	171.4	-167.2	37.6	1.09	-0.36	27.84	
5,699.0	1.81	154.65	5,695.0	175.6	-171.3	38.8	0.48	-0.14	-13.80	
5,743.0	1.68	148.17	5,739.0	176.9	-172.5	39.4	0.54	-0.30	-14.73	
5,828.0	2.39	164.48	5,823.9	179.8	-175.2	40.5	1.07	0.84	19.19	
5,914.0	2.12	187.17	5,909.9	183.1	-178.5	40.8	1.08	-0.31	26.38	
6,000.0	1.99	176.29	5,995.8	186.1	-181.6	40.7	0.48	-0.15	-12.65	
6,086.0	2.39	187.48	6,081.8	189.3	-184.9	40.6	0.68	0.47	13.01	
6,171.0	2.39	171.26	6,166.7	192.7	-188.4	40.6	0.79	0.00	-19.08	
6,258.0	1.68	199.55	6,253.6	195.6	-191.4	40.5	1.39	-0.82	32.52	
6,344.0	1.68	174.66	6,339.6	197.9	-193.8	40.2	0.84	0.00	-28.94	
6,431.0	0.80	210.48	6,426.6	199.7	-195.6	40.0	1.30	-1.01	41.17	
6,517.0	1.02	265.48	6,512.6	200.0	-196.2	38.9	1.00	0.26	63.95	
6,603.0	1.02	235.25	6,598.6	200.2	-196.7	37.5	0.62	0.00	-35.15	
6,689.0	0.88	143.37	6,684.6	201.1	-197.7	37.3	1.59	-0.16	-106.84	
6,774.0	0.71	124.16	6,769.5	202.1	-198.5	38.1	0.37	-0.20	-22.60	
6,859.0	0.71	140.86	6,854.5	202.9	-199.2	38.9	0.24	0.00	19.65	
6,945.0	0.31	121.16	6,940.5	203.6	-199.7	39.4	0.50	-0.47	-22.91	
7,018.0	0.62	154.25	7,013.5	204.1	-200.2	39.7	0.55	0.42	45.33	
7,195.0	1.10	204.49	7,190.5	206.4	-202.6	39.5	0.48	0.27	28.38	
7,281.0	1.50	169.59	7,276.5	208.2	-204.4	39.3	1.01	0.47	-40.58	



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD State 10-36D-6-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 36 T6S, R19E	<b>MD Reference:</b>	FD State 10-36D-6-19 @ 4962.0usft (CAPSTAR 330)
<b>Well:</b>	FD State 10-36D-6-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
7,366.0	1.90	190.79	7,361.5	210.6	-206.9	39.3	0.87	0.47	24.94
7,455.0	2.21	196.21	7,450.4	213.5	-210.0	38.5	0.41	0.35	6.09
7,541.0	2.30	183.38	7,536.3	216.6	-213.3	37.9	0.59	0.10	-14.92
7,627.0	1.99	143.47	7,622.3	219.6	-216.3	38.7	1.74	-0.36	-46.41
7,712.0	1.59	160.16	7,707.2	222.1	-218.6	40.0	0.77	-0.47	19.64
7,798.0	1.90	154.56	7,793.2	224.7	-221.0	41.0	0.41	0.36	-6.51
7,883.0	2.21	161.66	7,878.1	227.7	-223.8	42.1	0.47	0.36	8.35
7,928.0	1.99	155.66	7,923.1	229.3	-225.3	42.7	0.69	-0.49	-13.33
8,224.0	1.68	161.66	8,219.0	238.6	-234.1	46.2	0.12	-0.10	2.03
8,307.0	1.81	164.26	8,301.9	241.1	-236.5	47.0	0.18	0.16	3.13
8,396.0	1.90	157.96	8,390.9	244.0	-239.3	47.9	0.25	0.10	-7.08
8,484.0	1.81	154.08	8,478.8	246.8	-241.9	49.1	0.18	-0.10	-4.41
8,570.0	2.21	157.96	8,564.8	249.7	-244.6	50.3	0.49	0.47	4.51
8,627.0	2.12	154.65	8,621.7	251.8	-246.6	51.1	0.27	-0.16	-5.81
8,674.0	2.12	154.65	8,668.7	253.5	-248.2	51.9	0.00	0.00	0.00

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

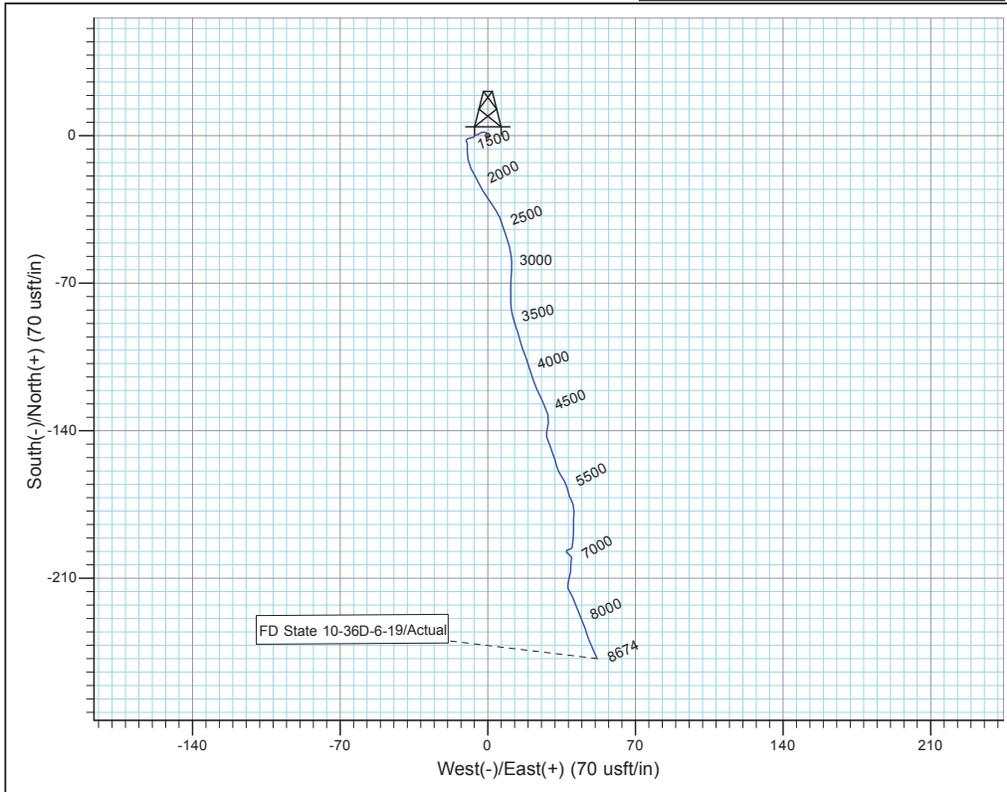
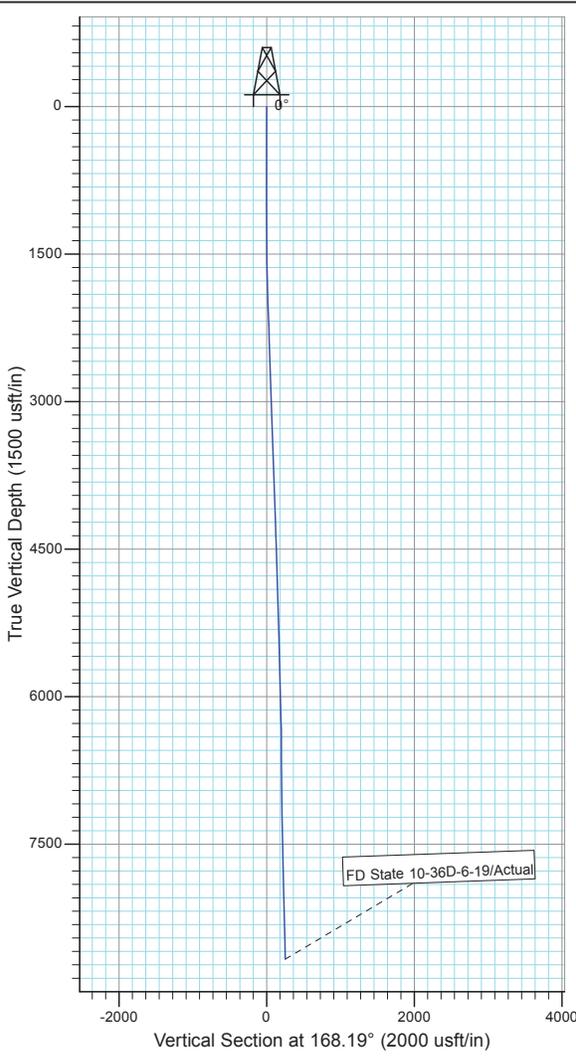


Project: Fort Duchesne  
 Site: SECTION 36 T6S, R19E  
 Well: FD State 10-36D-6-19  
 Wellbore: Wellbore #1  
 Design: Actual



Azimuths to True North  
 Magnetic North: 10.76°

Magnetic Field  
 Strength: 52090.3snT  
 Dip Angle: 65.94°  
 Date: 12/3/2014  
 Model: IGRF2010



Design: Actual (FD State 10-36D-6-19/Wellbore #1)  
 Created By: *Matthew Linton* Date: 11:04, December 22 2014  
 THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19	
<b>9. API NUMBER:</b> 43047546810000	
<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

**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.

<b>1. TYPE OF WELL</b> Oil Well	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2175 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 06.0S Range: 19.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/30/2015	<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 checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="pit closure extension reques"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

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

BBC is requesting permission to leave this pit open until 9/30/2015 due to inclement weather conditions. BBC will continue with pit closure in the summer, when more favorable weather conditions allow. A follow up sundry will be submitted with the date of pit closure.

**Approved by the**  
**March 06, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** 

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/19/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML 50801	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD STATE 10-36D-6-19	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047546810000	
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2175 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/6/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="CORE DATA"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Attached is the core data on the FD 10-36D-6-19 which contains permeability, porosity and fluid saturations.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 23, 2015</b>			
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/20/2015	



### Shale Rock Properties Summary of Routine Crushed Core Analyses Results

As-Received and Vacuum Dried at 212°F

Bill Barrett Corp.  
FD State 10-36D-6-19 Well  
Fort Duchesne Field

Uintah County, Utah  
File no.: CO-75118  
Date: 4/6/15

Sample ID	Top Depth, feet	Bottom Depth, feet	A-R Bulk Density, gm/cc	A-R Water Saturation, % of PV	A-R Oil Saturation, % of PV	A-R Gas Saturation, % of PV	A-R Gas Saturation, % of BV	A-R Press Decay Permeability, md	Dry Bulk Density, gm/cc	Dry Grain Density, gm/cc	Dry Helium Porosity, % of BV	Dry Press Decay Permeability, md
1-2 SRP	7076.00	7076.25	2.55	22.1	58.4	19.5	0.5	4.12E-06	2.54	2.60	2.3	2.43E-05
1-17 SRP	7091.00	7091.25	2.57	73.2	23.5	3.3	0.1	4.81E-06	2.55	2.62	2.7	2.05E-05
1-51 SRP	7125.80	7126.00	2.41	26.9	70.0	3.1	0.1	4.05E-06	2.38	2.45	2.7	2.86E-05
1-72 SRP	7146.20	7146.45	2.51	69.2	24.6	6.2	0.5	2.08E-06	2.44	2.63	7.5	7.97E-05
1-83 SRP	7157.40	7157.70	2.56	41.8	45.1	13.1	0.3	3.82E-06	2.55	2.60	2.2	2.23E-05
2-3 SRP	7977.35	7977.60	2.56	60.9	20.7	18.4	1.4	8.31E-06	2.50	2.71	7.7	2.60E-04
2-20 SRP	7994.00	7994.25	2.66	36.0	40.8	23.2	1.0	9.61E-06	2.63	2.75	4.5	9.68E-04
2-32 SRP	8006.40	8006.60	2.60	53.6	24.2	22.2	1.1	9.47E-06	2.56	2.70	4.9	1.44E-04
2-47 SRP	8021.00	8021.25	2.63	64.8	15.2	20.0	0.9	7.99E-06	2.59	2.72	4.7	3.43E-04
2-63 SRP	8037.30	8037.60	2.63	83.4	0.0	16.6	0.7	2.85E-06	2.59	2.70	3.9	3.79E-04
3-14 SRP	8057.10	8057.30	2.63	62.1	3.5	34.4	0.8	5.21E-06	2.62	2.68	2.4	3.44E-05
3-29 SRP	8071.95	8072.15	2.63	67.0	0.5	32.5	0.6	2.61E-06	2.62	2.67	2.0	2.28E-05
3-39 SRP	8082.30	8082.50	2.67	84.2	0.0	15.8	0.8	2.54E-06	2.63	2.76	4.9	5.51E-04
4-8 SRP	8102.10	8102.30	2.67	79.3	0.0	20.7	0.9	5.77E-06	2.63	2.75	4.1	6.80E-04
4-28 SRP	8122.00	8122.20	2.64	71.5	0.0	28.5	1.0	5.57E-06	2.61	2.71	3.6	1.47E-04
4-37 SRP	8131.30	8131.50	2.61	80.8	0.0	19.2	1.4	1.15E-05	2.56	2.75	7.2	1.51E-03
4-56 SRP	8150.80	8151.00	2.65	78.5	0.0	21.5	0.9	8.77E-06	2.61	2.73	4.1	4.14E-04
4-66 SRP	8160.05	8160.25	2.61	74.3	0.0	25.7	1.0	9.16E-06	2.58	2.68	4.0	1.20E-04
4-85 SRP	8179.55	8179.75	2.58	70.3	0.0	29.7	1.7	9.90E-06	2.54	2.70	5.9	2.09E-04
4-110 SRP	8204.00	8204.20	2.59	75.7	0.0	24.3	1.5	8.36E-06	2.55	2.71	6.0	2.80E-04
4-119 SRP	8213.40	8213.60	2.60	66.2	0.0	33.8	1.2	9.88E-06	2.58	2.67	3.7	1.37E-04
4-129 SRP	8223.25	8223.50	2.58	71.9	0.0	28.1	1.7	1.65E-05	2.53	2.69	6.1	2.28E-04
4-148 SRP	8242.00	8242.20	2.61	82.2	0.0	17.8	0.9	4.20E-06	2.57	2.70	4.8	3.18E-04
4-154 SRP	8248.00	8248.20	2.62	63.6	0.0	36.4	1.4	1.06E-05	2.60	2.70	3.8	4.07E-04
5-8 SRP	8260.00	8260.20	2.63	80.5	0.0	19.5	1.6	7.15E-06	2.56	2.80	8.5	1.34E-03
5-25 SRP	8277.35	8277.55	2.56	82.6	0.0	17.4	1.8	1.38E-05	2.48	2.76	10.3	1.97E-03
5-48 SRP	8300.55	8300.75	2.61	77.0	3.9	19.1	0.9	6.75E-06	2.57	2.69	4.7	3.40E-04
5-71 SRP	8323.45	8323.65	2.61	78.6	0.0	21.4	1.5	9.49E-06	2.55	2.74	6.8	1.13E-03
5-96 SRP	8348.35	8348.55	2.69	70.7	0.0	29.3	0.8	8.96E-06	2.67	2.75	2.8	1.10E-04
5-98 SRP	8350.10	8350.30	2.59	85.8	2.0	12.2	1.0	8.84E-06	2.51	2.74	8.5	1.76E-03
Average values:			2.60	67.8	11.1	21.1	1.0	7.42E-06	2.56	2.70	4.9	4.66E-04

As-received bulk volumes and bulk densities were determined on intact bulk sample material. The bulk material was crushed and all other analysis reported herein were conducted on the crushed material.

The following brine & oil densities were used to calculate H2O & oil volumes respectively: 1.016g/cc & 0.865g/cc.

Mud/Fluid type: WBM

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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/3/2015	<input type="checkbox"/> RECLAMATION OF WELL SITE <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"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> RECLAMATION OF WELL SITE <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"/>	
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;"> <b>THE PIT WAS CLOSED ON 4/15/2015 AND INTERIM RECLAMATION ON THIS PAD WAS DONE ON 10/03/2015</b> </p> <div style="text-align: right; margin-top: 20px;"> <p> <b>Accepted by the              Utah Division of              Oil, Gas and Mining              FOR RECORD ONLY              November 02, 2015</b> </p> </div>		
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/13/2015	