

**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 1-33-2-2					
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 WILDCAT					
4. TYPE OF WELL Oil Well      Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134					
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) fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Vernon Richens						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-545-2535					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO Box 722, Fort Duchesne, UT 84026						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 checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		1070 FNL 670 FEL		NENE	33	2.0 S	2.0 E	U			
Top of Uppermost Producing Zone		1070 FNL 670 FEL		NENE	33	2.0 S	2.0 E	U			
At Total Depth		1070 FNL 670 FEL		NENE	33	2.0 S	2.0 E	U			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 670			23. NUMBER OF ACRES IN DRILLING UNIT 640					
27. ELEVATION - GROUND LEVEL 5136			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 7645			26. PROPOSED DEPTH MD: 9956 TVD: 9956					
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	9.625	0 - 1500	36.0	J-55 ST&C	9.4	Halliburton Light , Type Unknown		190	3.16	11.0
							Halliburton Premium , Type Unknown		210	1.36	14.8
PROD	7.875	5.5	0 - 9956	17.0	P-110 LT&C	9.5	Unknown		770	2.31	11.0
							Unknown		410	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 checked="" 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 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 05/16/2013			EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047537640000			APPROVAL			 Permit Manager					

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

**FD 1-33-2-2**

NENE/LOT 1, 1070' FNL and 670' FEL, Section 33, T2S-R2E, USB&M (surface hole)

NENE/LOT 1, 1070' FNL and 670' FEL, Section 33, T2S-R2E, USB&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**

<u>Formation</u>	<u>Depth – MD/TVD</u>
Green River	5,287'
TGR3	7,551'
Douglas Creek	7,719'
Black Shale	8,272'
Castle Peak	8,467'
Uteland Butte	8,640'
Wasatch	9,156'
TD	9,956'

\*PROSPECTIVE PAY: The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 4133'

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1500'	No pressure control required (may pre-set 9-5/8" with smaller rig)*
1500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1500'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
 Drilling Program  
 FD 1-33-2-2 **REVISED**  
 Uintah County, Utah

5. **Cementing Program**

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 190 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: 210 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 @ 1,000'
5 1/2" Production Casing	Lead: 770 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,000' Tail: 410 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 @ 772'

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> (API filtrate)	<u>Remarks</u>
0' - 1500'	8.3 - 8.7	26 - 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1500'-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 4918 psi\* and maximum anticipated surface pressure equals approximately 2728 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 1-33-2-2 **REVISED**  
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 2013  
Spud: September 2013  
Duration: 15 days drilling time  
6 days completion time

**12. Appendix A**

**9-5/8" 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

## AURORA CEMENT VOLUMES

**Well Name:** [FD 1-33-2-2](#)

### Surface Hole Data:

Total Depth:	1,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	548.1	ft <sup>3</sup>
Lead Fill:	1,000'	
Tail Volume:	274.0	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:	190
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	1,000'	

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

### Production Hole Data:

Total Depth:	9,956'
Top of Cement:	1,000'
Top of Tail:	7,772'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1759.9	ft <sup>3</sup>
Lead Fill:	6,772'	
Tail Volume:	567.6	ft <sup>3</sup>
Tail Fill:	2,184'	

### 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:	770
# SK's Tail:	410

<b>FD 1-33-2-2 Proposed Cementing Program</b>
---

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (1000' - 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: 1,000'
	Volume: 97.61 bbl
	<b>Proposed Sacks: 190 sks</b>
<b>Tail Cement - (TD - 1000')</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: 1,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (7772' - 1000')</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: 1,000'
	Calculated Fill: 6,772'
	Volume: 313.43 bbl
	<b>Proposed Sacks: 770 sks</b>
<b>Tail Cement - (9956' - 7772')</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: 7,772'
	Calculated Fill: 2,184'
	Volume: 101.09 bbl
	<b>Proposed Sacks: 410 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.

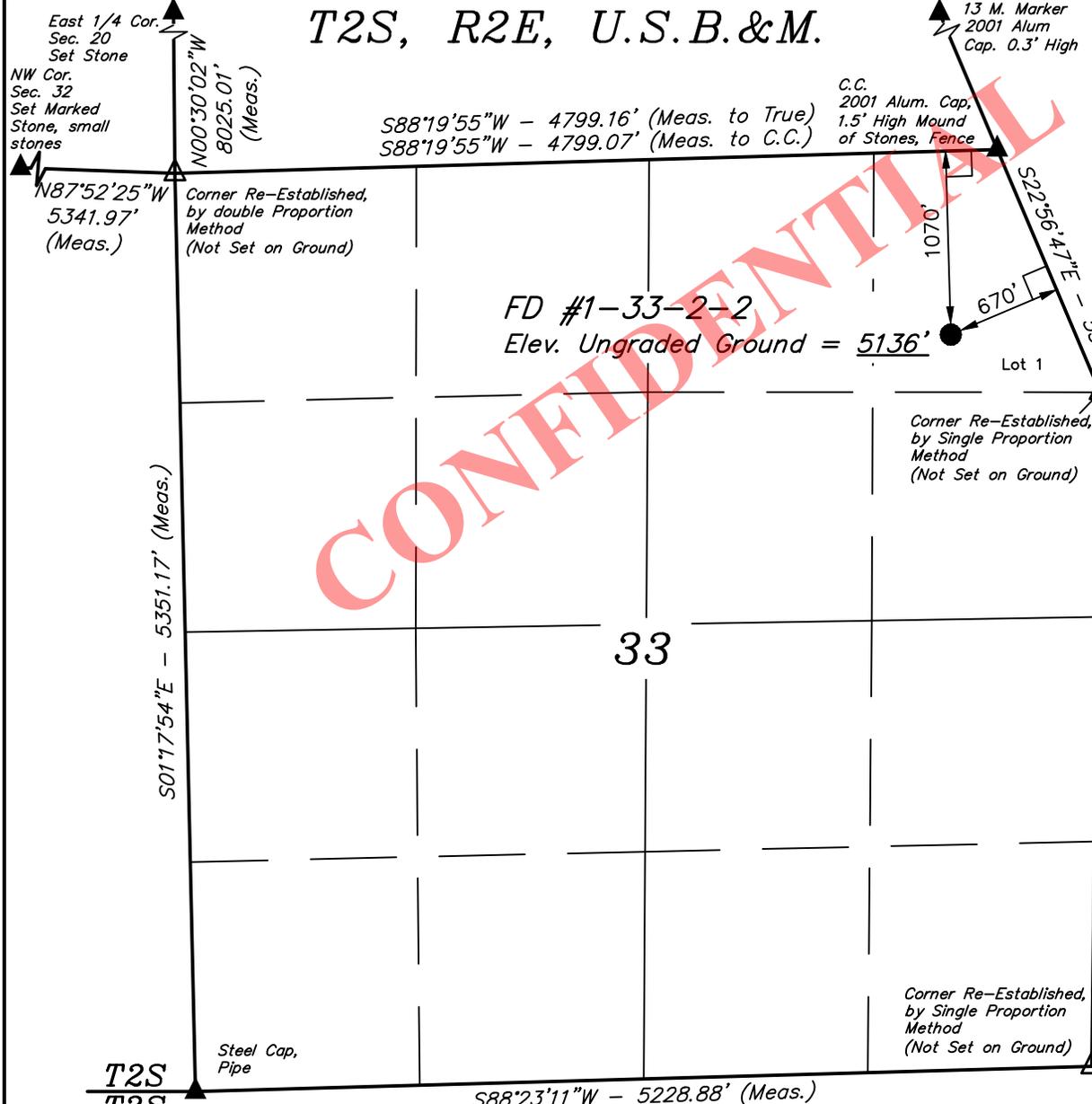
A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

T2S, R2E, U.S.B.&M.

**BILL BARRETT CORPORATION**

Well location, FD #1-33-2-2, located as shown in LOT 1 of Section 33, T2S, R2E, U.S.B.&M., Uintah County, Utah.

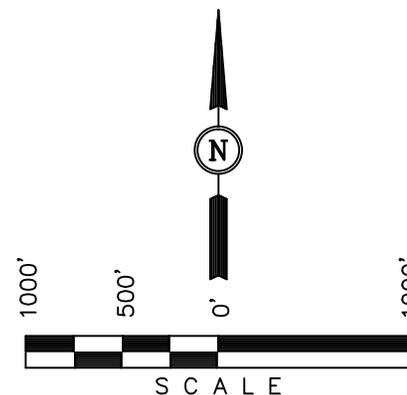


**BASIS OF ELEVATION**

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.

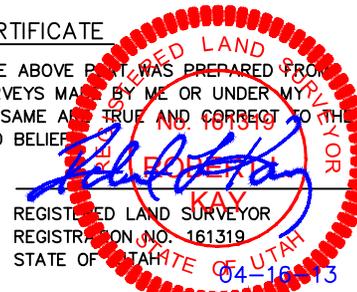
**BASIS OF BEARINGS**

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



**CERTIFICATE**

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



**LEGEND:**

△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

<b>NAD 83 (SURFACE LOCATION)</b>	
LATITUDE	= 40°16'12.06" (40.270017)
LONGITUDE	= 109°46'03.06" (109.767517)
<b>NAD 27 (SURFACE LOCATION)</b>	
LATITUDE	= 40°16'12.20" (40.270056)
LONGITUDE	= 109°46'00.54" (109.766817)

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

SCALE 1" = 1000'	DATE SURVEYED: 04-05-13	DATE DRAWN: 04-11-13
PARTY C.R. A.W. K.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

RECEIVED: May 16, 2013

# BILL BARRETT CORPORATION

## FD #1-33-2-2

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 33, T2S, R2E, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

<b>LOCATION PHOTOS</b>	<b>04</b>	<b>11</b>	<b>13</b>	<b>PHOTO</b>
	MONTH	DAY	YEAR	
TAKEN BY: C.R.	DRAWN BY: A.T.		REVISED: 00-00-00	

**BILL BARRETT CORPORATION**

LOCATION LAYOUT FOR

FD #1-33-2-2

SECTION 33, T2S, R2E, U.S.B.&M.

1070' FNL 670' FEL

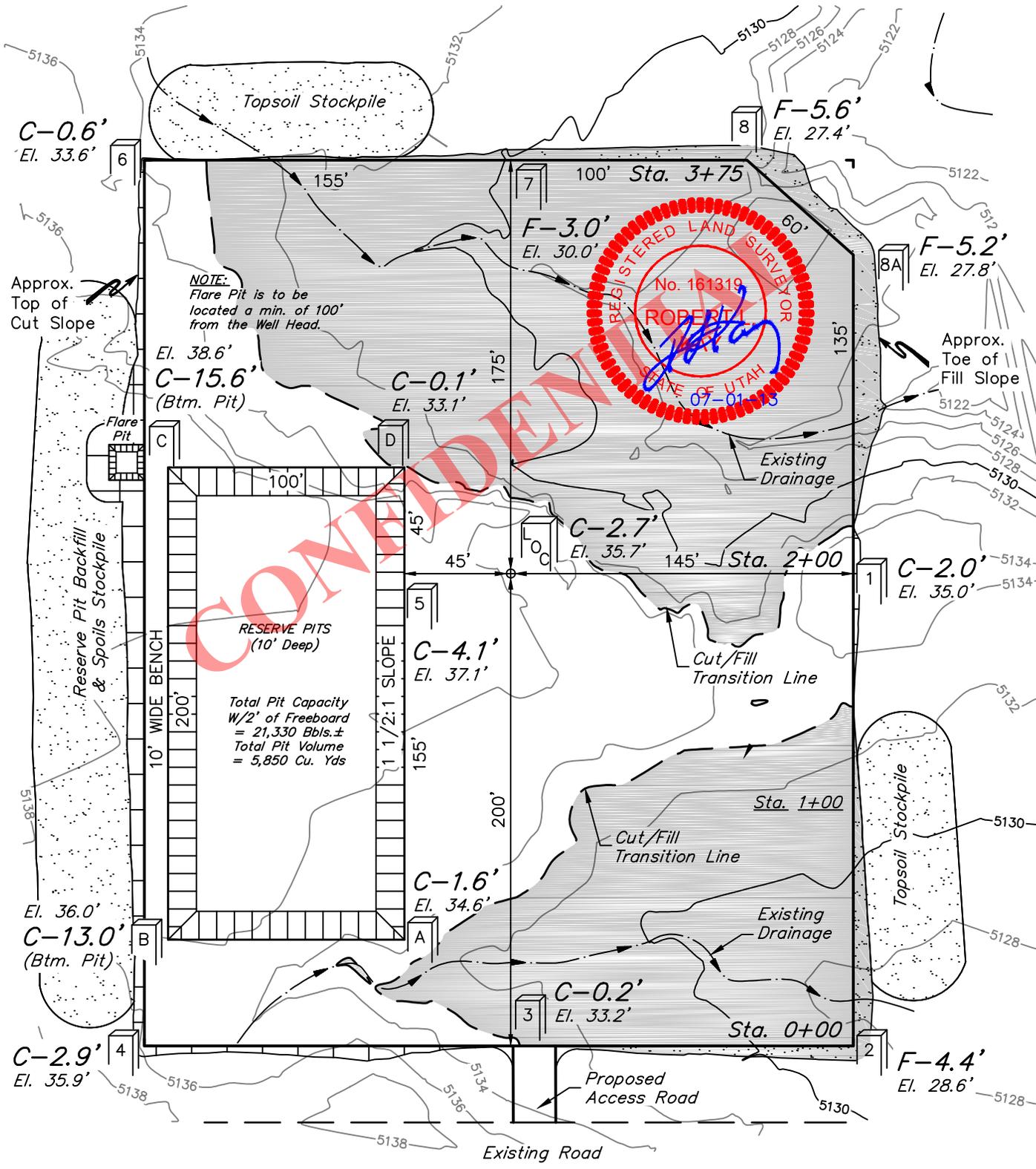
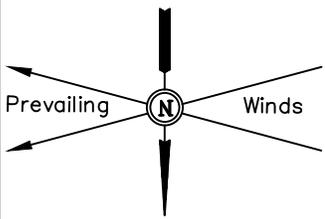
**FIGURE #1**

SCALE: 1" = 60'

DATE: 04-11-13

DRAWN BY: K.O.

REV: 06-25-13 E.C.



Elev. Ungraded Ground At Loc. Stake = 5135.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5133.0'

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

RECEIVED: July 15, 2013

**BILL BARRETT CORPORATION**

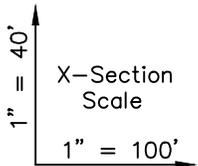
**TYPICAL CROSS SECTIONS FOR**

FD #1-33-2-2

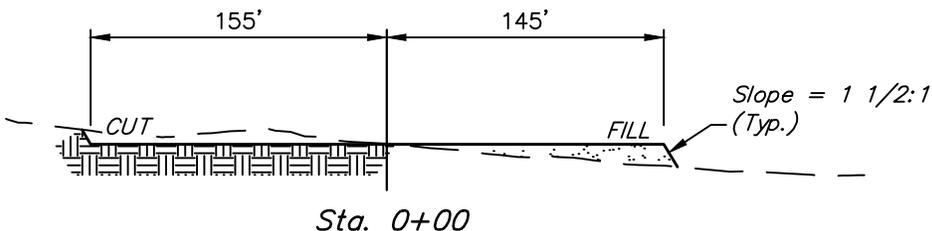
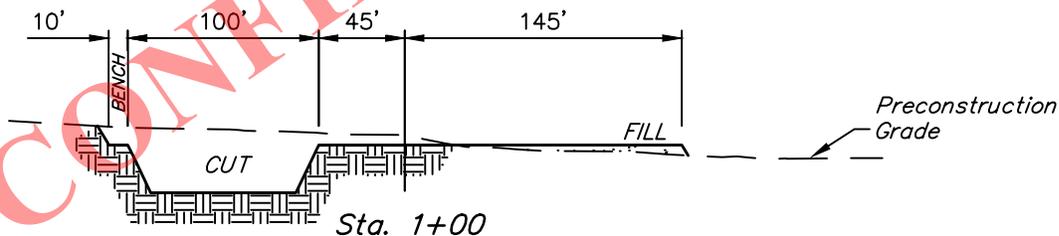
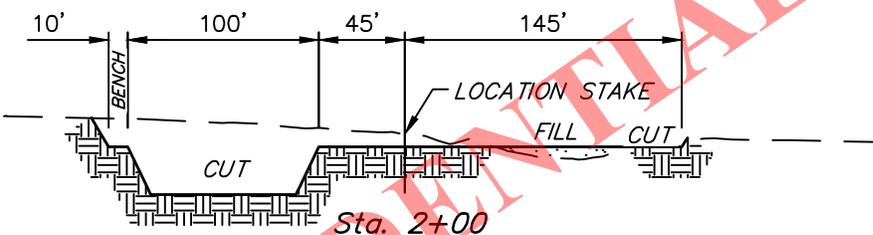
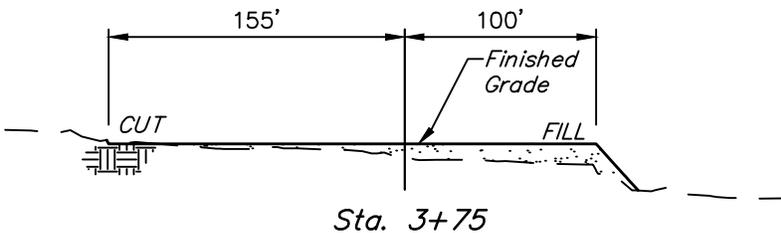
SECTION 33, T2S, R2E, U.S.B.&M.

1070' FNL 670' FEL

**FIGURE #2**



DATE: 04-11-13  
DRAWN BY: K.O.  
REV: 06-25-13 E.C.



**NOTE:**

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

APPROXIMATE ACREAGE  
WELL SITE DISTURBANCE = ± 4.337 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	2,210 Cu. Yds.
Remaining Location	=	10,780 Cu. Yds.
<b>TOTAL CUT</b>	=	<b>12,990 CU. YDS.</b>
<b>FILL</b>	=	<b>7,850 CU. YDS.</b>

EXCESS MATERIAL	=	5,140 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	5,140 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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

RECEIVED: July 15, 2013



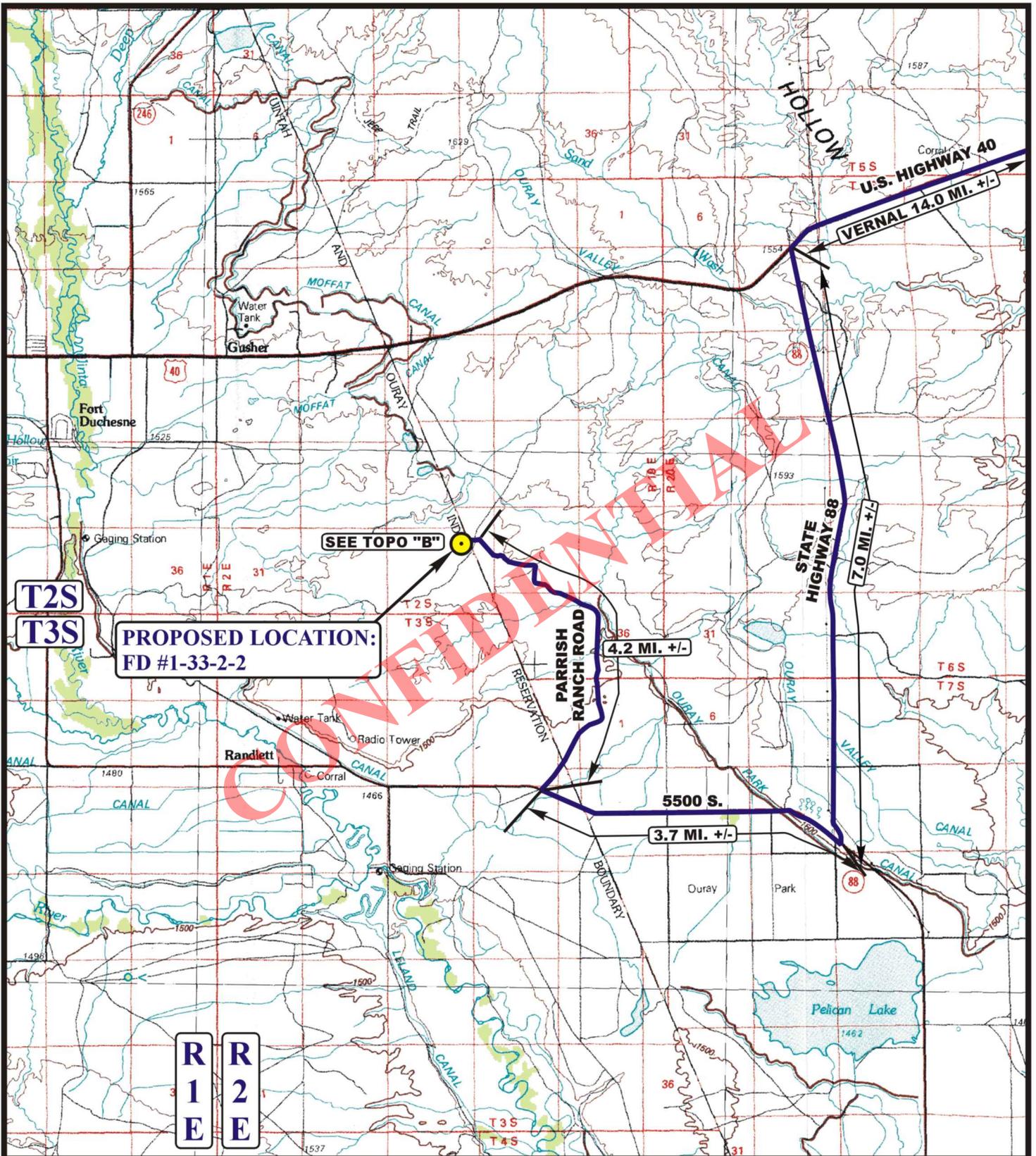
# BILL BARRETT CORPORATION

FD #1-33-2-2

SECTION 33, T2S, R2E, U.S.B.&M.

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; TURN 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, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND PARRISH RANCH ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 4.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 31' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 29.1 MILES.



**SEE TOPO "B"**

**PROPOSED LOCATION:  
FD #1-33-2-2**

**LEGEND:** **BILL BARRETT CORPORATION**

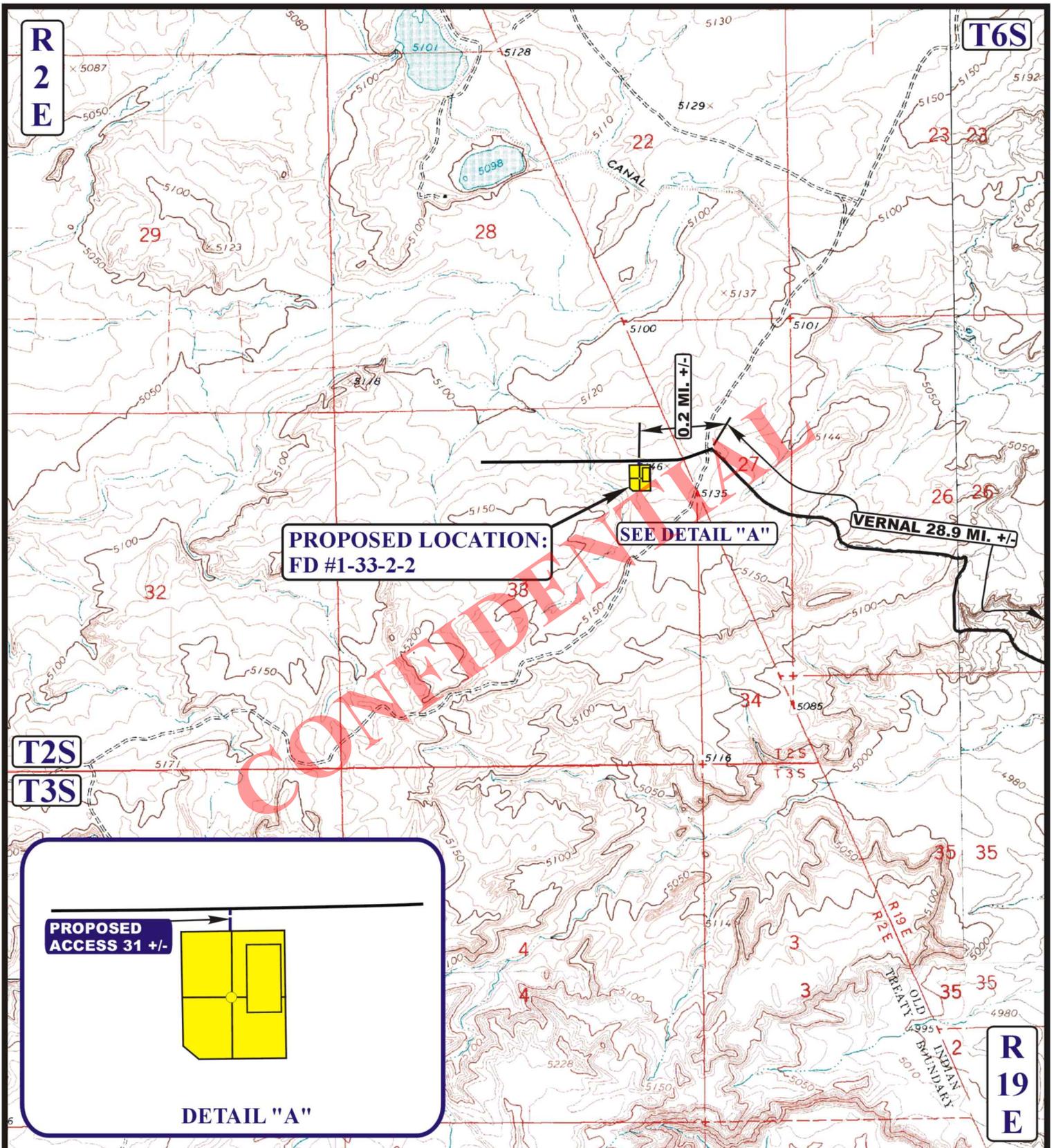
**PROPOSED LOCATION**



**FD #1-33-2-2**  
**SECTION 33, T2S, R2E, U.S.B.&M**  
**1070' FNL 670' FEL**

<b>UELS</b>	<b>Uintah Engineering &amp; Land Surveying</b>
	85 South 200 East Vernal, Utah 84078 (435) 789-1017 * FAX (435) 789-1813

<b>ACCESS ROAD MAP</b>	<b>04</b> MONTH	<b>11</b> DAY	<b>13</b> YEAR	<b>A</b> <b>TOPO</b>
SCALE: 1:100,000	DRAWN BY: A.T.		REVISED: 00-00-00	



**LEGEND:**  
 ————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

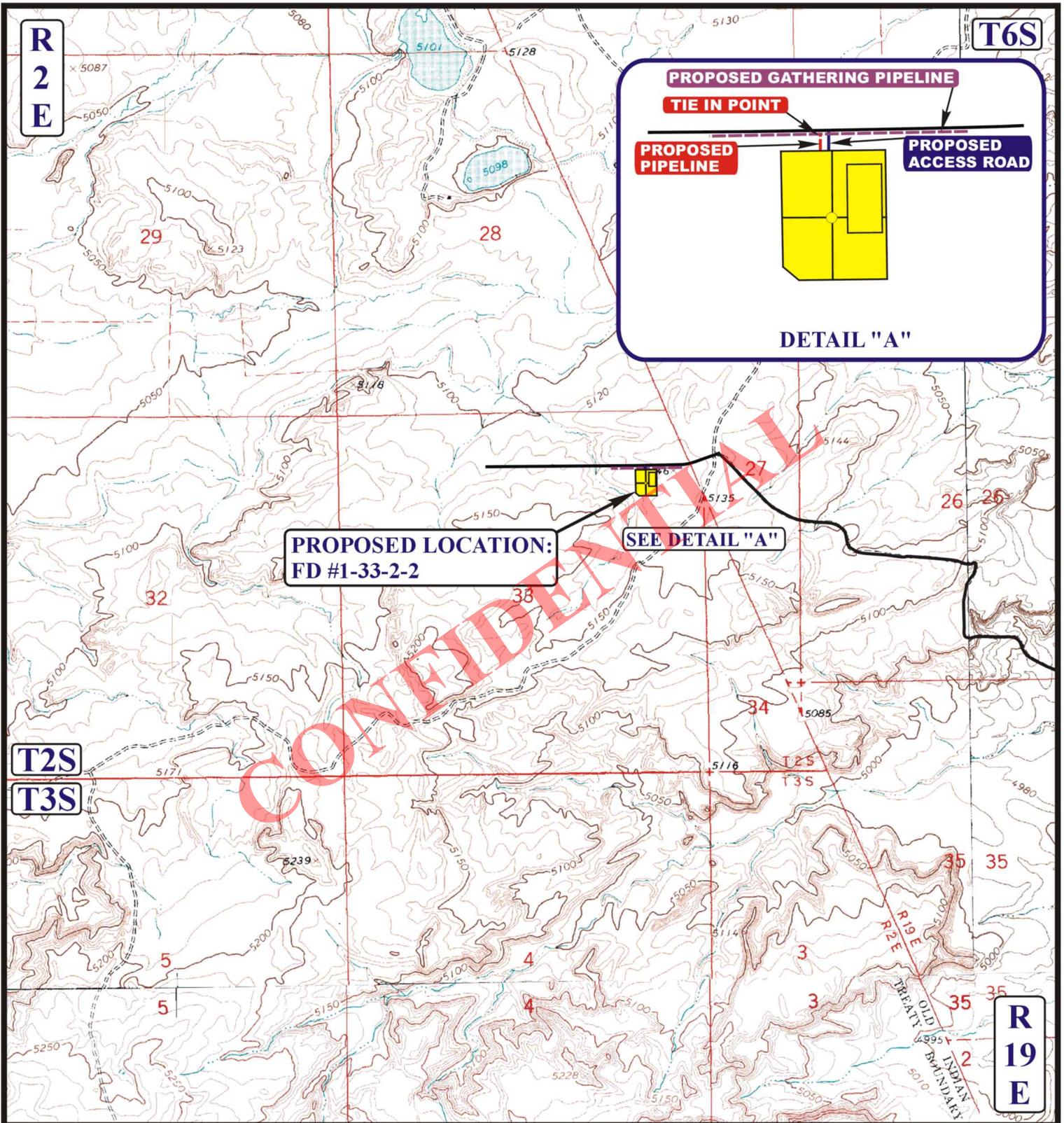
**BILL BARRETT CORPORATION**

FD #1-33-2-2  
 SECTION 33, T2S, R2E, U.S.B.&M  
 1070' FNL 670' FEL

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



<b>ACCESS ROAD MAP</b>	<b>04</b>	<b>11</b>	<b>13</b>	<b>B TOPO</b>
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: A.T.		REV: 06-25-13 M.M.	



**PROPOSED LOCATION:  
FD #1-33-2-2**

**SEE DETAIL "A"**

**APPROXIMATE TOTAL PIPELINE DISTANCE = 24' +/-**

**LEGEND:**

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

**BILL BARRETT CORPORATION**

**FD #1-33-2-2  
SECTION 33, T2S, R2E, U.S.B.&M  
1070' FNL 670' FEL**



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



**TOPOGRAPHIC  
MAP**

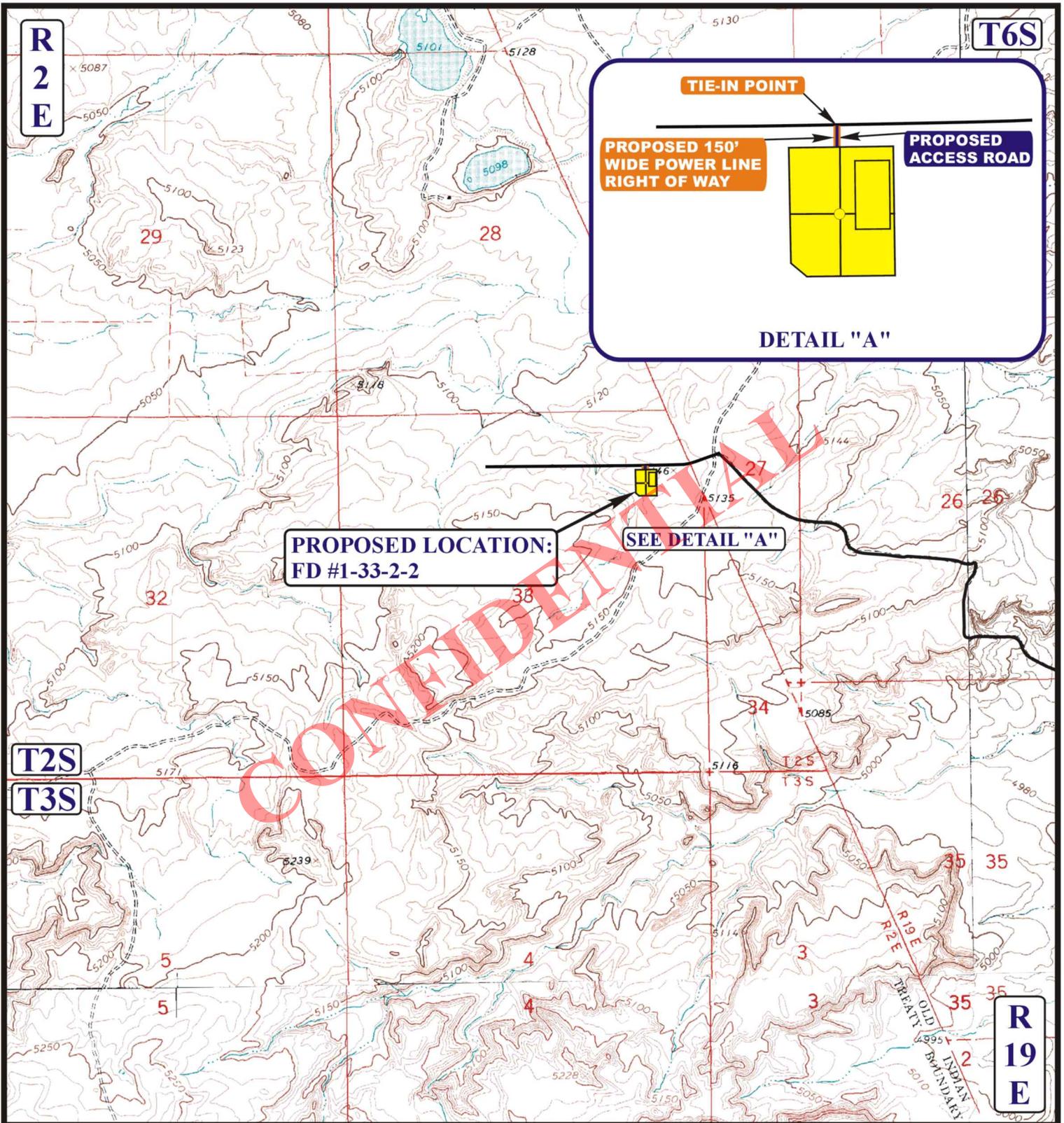
**04 11 13**  
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: A.T.

REV:06-25-13 M.M.





**PROPOSED LOCATION:  
FD #1-33-2-2**

**SEE DETAIL "A"**

**TIE-IN POINT**

**PROPOSED 150'  
WIDE POWER LINE  
RIGHT OF WAY**

**PROPOSED  
ACCESS ROAD**

**DETAIL "A"**

**APPROXIMATE TOTAL POWER LINE DISTANCE = 31' +/-**

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  PROPOSED POWER LINE
-  PROPOSED POWER LINE (SERVICING OTHER WELLS)



**BILL BARRETT CORPORATION**

**FD #1-33-2-2  
SECTION 33, T2S, R2E, U.S.B.&M  
1070' FNL 670' FEL**



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

**TOPOGRAPHIC  
MAP**

**04 11 13**  
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: A.T.

REV: 06-25-13 M.M.



**SURFACE USE AGREEMENT**  
(FD 1-33-2-2)

**THIS AGREEMENT** Dated July 17, 2013 by and between \_\_\_\_\_

**Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship**

whose address is P. O. Box 722, Ft. Duchesne, UT 84026

Phone # (435-545-2535)

, hereinafter referred to as "Surface Owners", and

**Bill Barrett Corporation and its Subsidiaries**, whose address is 1099 18<sup>th</sup> Street, #2300, Denver, CO 80202

hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owners represent that they are the owners in fee and in possession of the surface estate for the following described lands in     Uintah     County,     Utah    , hereinafter referred to as "Lands", to wit:

A tract of land lying in the **NE/4NE/4 of Section 33, Township 2 South, Range 2 East, USM** as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owners are generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owners as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator agrees to consult with the surface owners and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owners and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owners may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

6. In the event Surface Owners consider that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owners shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owners. The service of said notice shall be precedent to the bringing of any action by Surface Owners for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owners actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owners from any and all environmental problems it causes on the Lands.

8. In the event Surface Owners own less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.

9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.

10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.

11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

**SURFACE OWNERS:**

Vernon B. Richens  
By: **Vernon B. Richens**

Eva Diane Richens  
By: **Eva Diane Richens**

STATE OF Utah ACKNOWLEDGEMENT

COUNTY of Uintah

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 17th day of July, 2013, personally appeared **Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship**, to me known to be the

Identical person(s), described in and who executed the within and foregoing instrument of writing and acknowledged to me that they duly executed same as their free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

My Commission Expires: 3-9-16

Connie J. Maloney  
Notary Public:

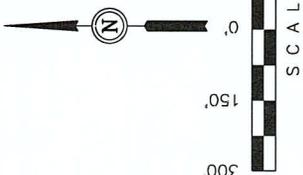


**BILL BARRETT CORPORATION**

**LOCATION SURFACE USE AREA,  
ROAD, PIPELINE & POWER LINE  
RIGHT-OF-WAY ON FEE LANDS**

(For FD #1-33-2-2)

LOCATED IN  
SECTION 33, T2S, R2E, U.S.B.&M.,  
UINTAH COUNTY, UTAH



**BASIS OF BEARINGS**

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

▲ = SECTION CORNERS LOCATED.



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

**UNTAH ENGINEERING & LAND SURVEYING**  
35 SOUTH - 200 EAST • (435) 739-1017  
VERNAL, UTAH - 844073

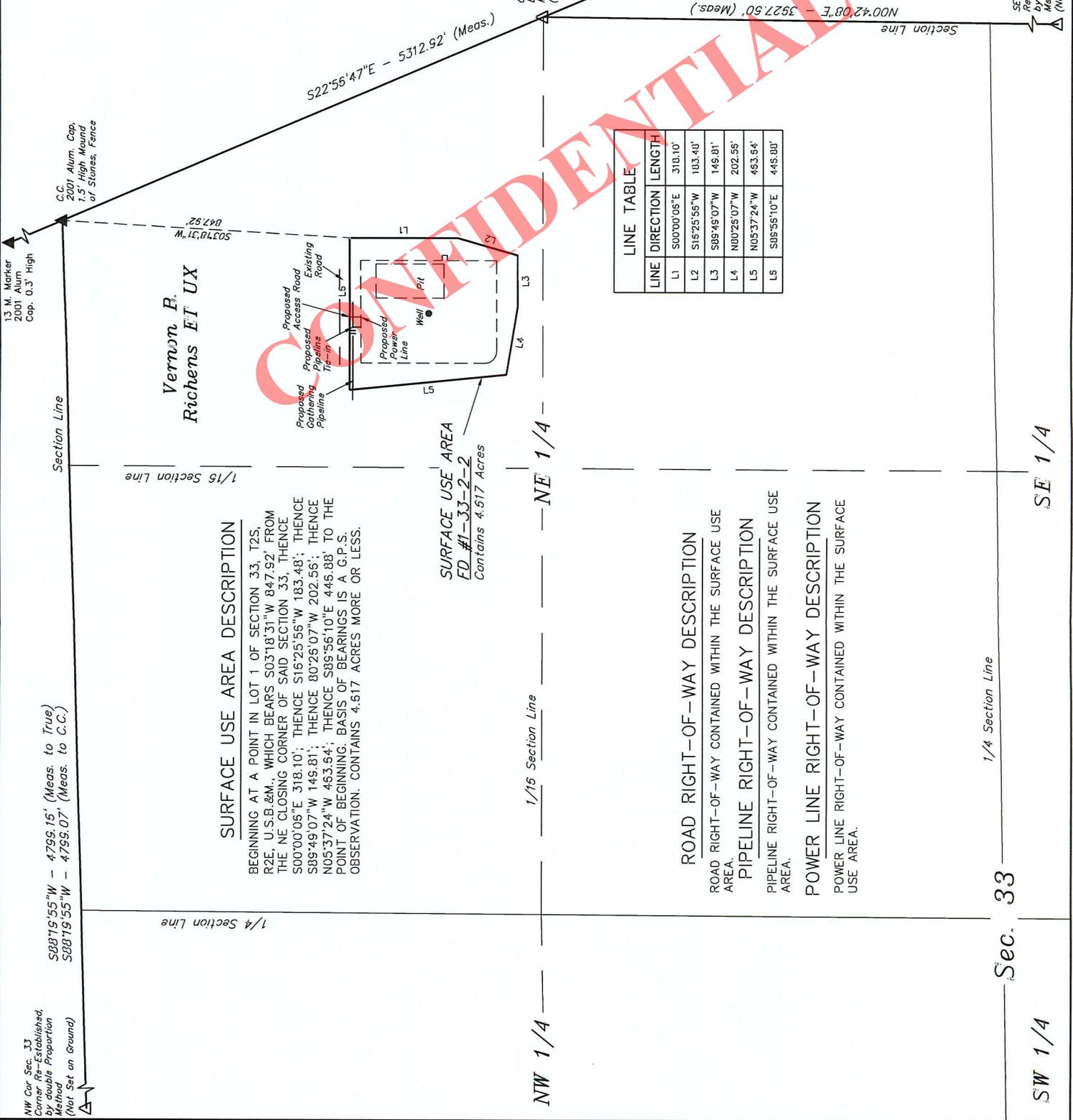
SCALE	1" = 300'	DATE	04-11-13
PARTY	C.R. A.W. K.O.	REFERENCES	G.L.O. PLAT
WEATHER	COLD	FILE	5 4 0 5 6

13 M. Marker  
2001 Alum Cap.  
0.3' High

12 M. Marker  
2001 Alum Cap.  
0.5' High,  
Mound of Stones

Corner Re-Established,  
by Single Proportion  
Method  
(Not Set on Ground)

SE Cor. Sec. 33  
Re-Established,  
by Single Proportion  
Method  
(Not Set on Ground)



LINE	DIRECTION	LENGTH
L1	S00°00'06"E	318.10'
L2	S16°25'56"W	103.48'
L3	S89°49'07"W	149.81'
L4	N80°25'07"W	202.55'
L5	N05°37'24"W	463.54'
L6	S05°55'10"E	448.88'

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN LOT 1 OF SECTION 33, T2S, R2E, U.S.B.&M., WHICH BEARS S03°18'31"W 847.92' FROM THE NE CLOSING CORNER OF SAID SECTION 33, THENCE S00°00'06"E 318.10'; THENCE S16°25'56"W 103.48'; THENCE S89°49'07"W 149.81'; THENCE S89°26'07"W 202.55'; THENCE N05°37'24"W 463.54'; THENCE S89°56'10"E 448.88' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.617 ACRES MORE OR LESS.

**SURFACE USE AREA  
FD #1-33-2-2  
Contains 4.617 Acres**

**ROAD RIGHT-OF-WAY DESCRIPTION**

ROAD RIGHT-OF-WAY CONTAINED WITHIN THE SURFACE USE AREA.

**PIPELINE RIGHT-OF-WAY DESCRIPTION**

PIPELINE RIGHT-OF-WAY CONTAINED WITHIN THE SURFACE USE AREA.

**POWER LINE RIGHT-OF-WAY DESCRIPTION**

POWER LINE RIGHT-OF-WAY CONTAINED WITHIN THE SURFACE USE AREA.

588°19'55"W - 4799.15' (Meas. to True)  
588°19'55"W - 4799.07' (Meas. to C.C.)

1/4 Section Line

1/16 Section Line

1/16 Section Line

1/4 Section Line

NW Cor. Sec. 33  
Corner Re-Established,  
by double Proportion  
Method  
(Not Set on Ground)

NW 1/4

NE 1/4

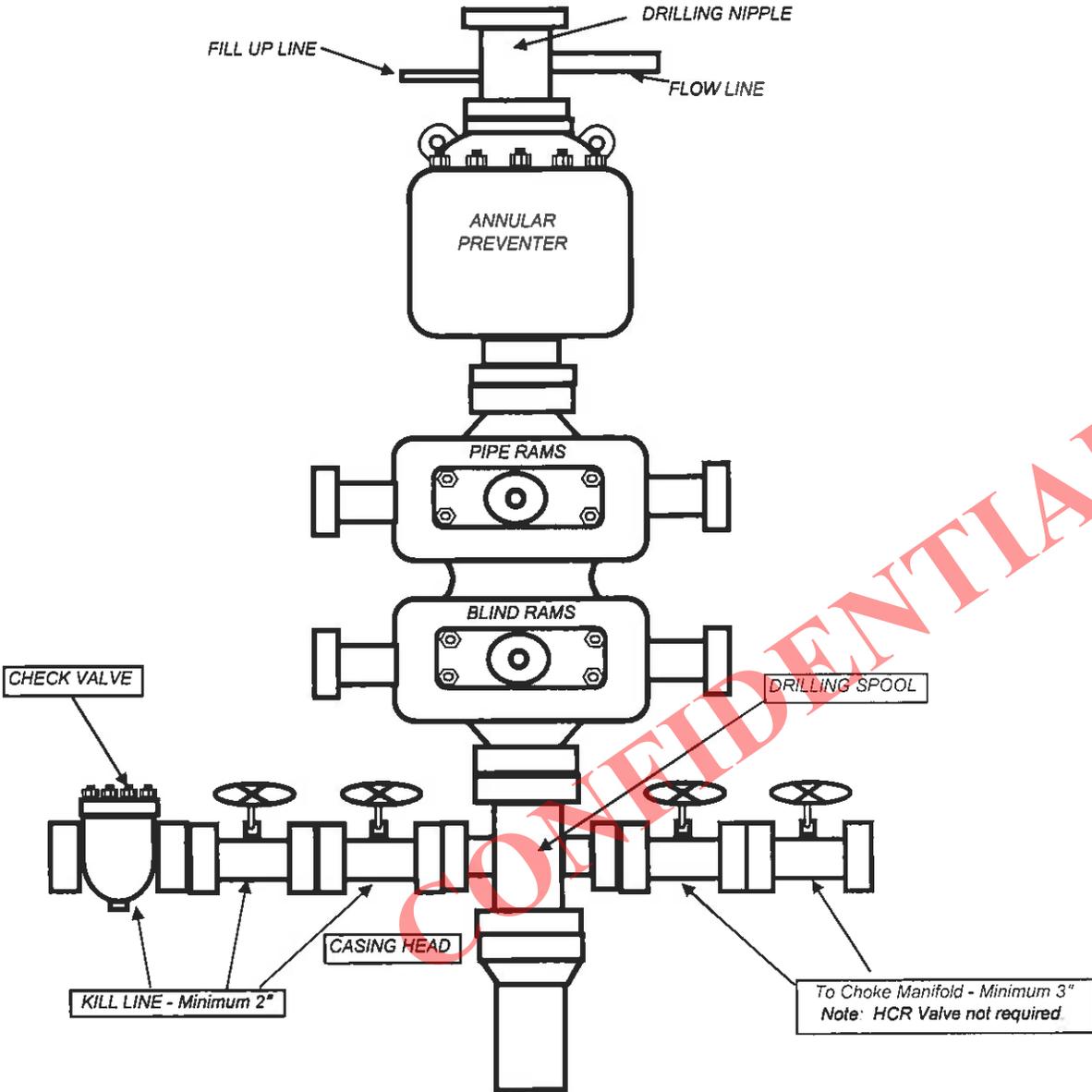
Sec. 33

SW 1/4

SE 1/4

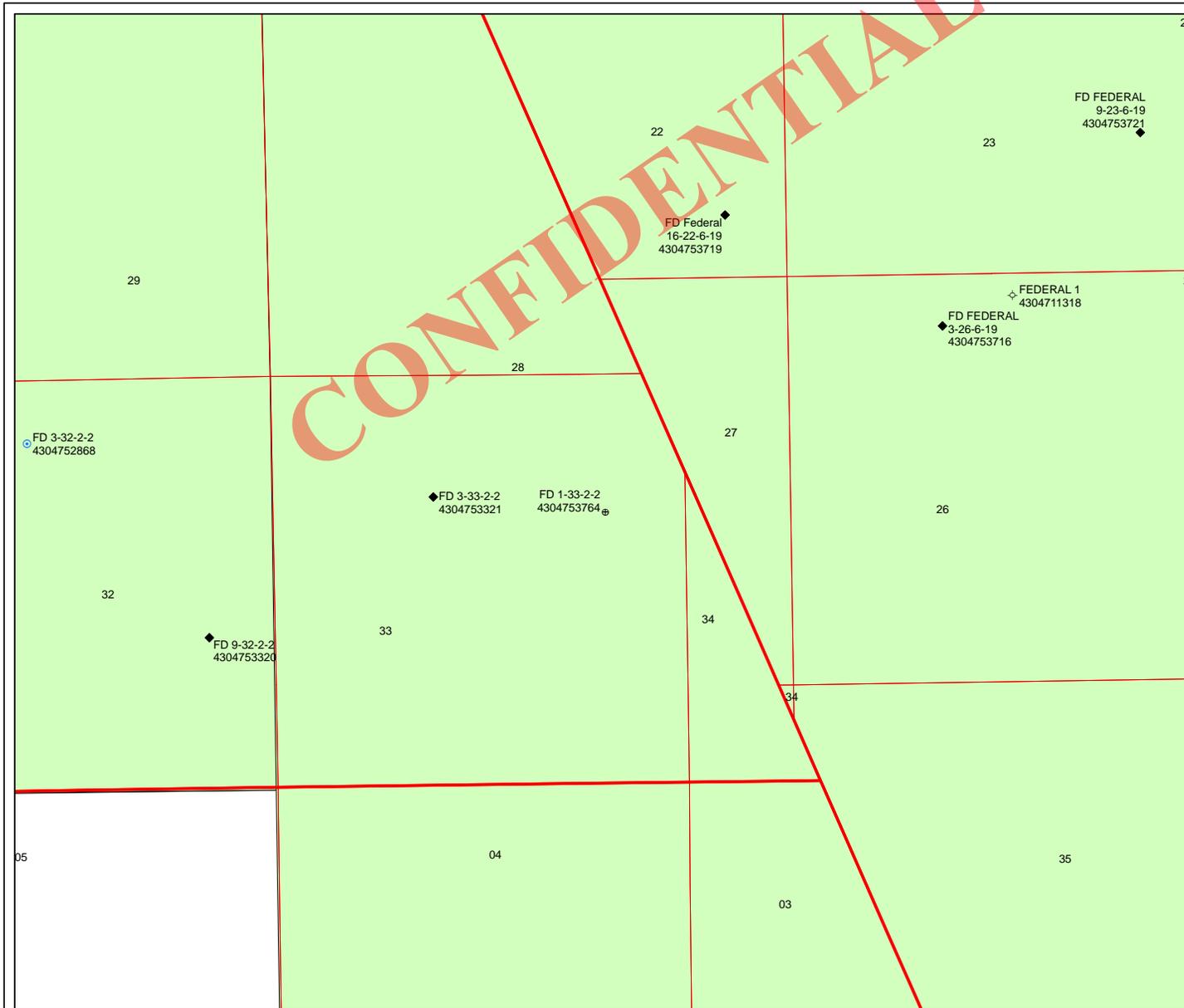
# BILL BARRETT CORPORATION

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





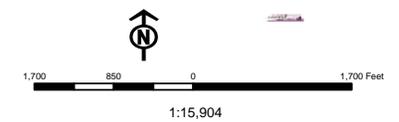
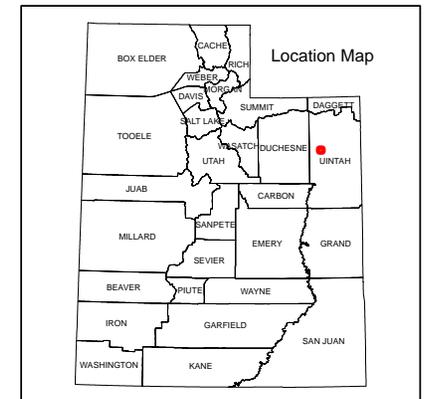
CONFIDENTIAL



**API Number: 4304753764**  
**Well Name: FD 1-33-2-2**  
**Township T02.0S Range R02.0E Section 33**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

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



BOPE REVIEW BILL BARRETT CORP FD 1-33-2-2 43047537640000

Well Name	BILL BARRETT CORP FD 1-33-2-2 43047537640000			
String	COND	SURF	PROD	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	80	1500	9956	
Previous Shoe Setting Depth (TVD)	0	80	1500	
Max Mud Weight (ppg)	8.7	9.4	9.5	
BOPE Proposed (psi)	0	0	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4918		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=		0	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

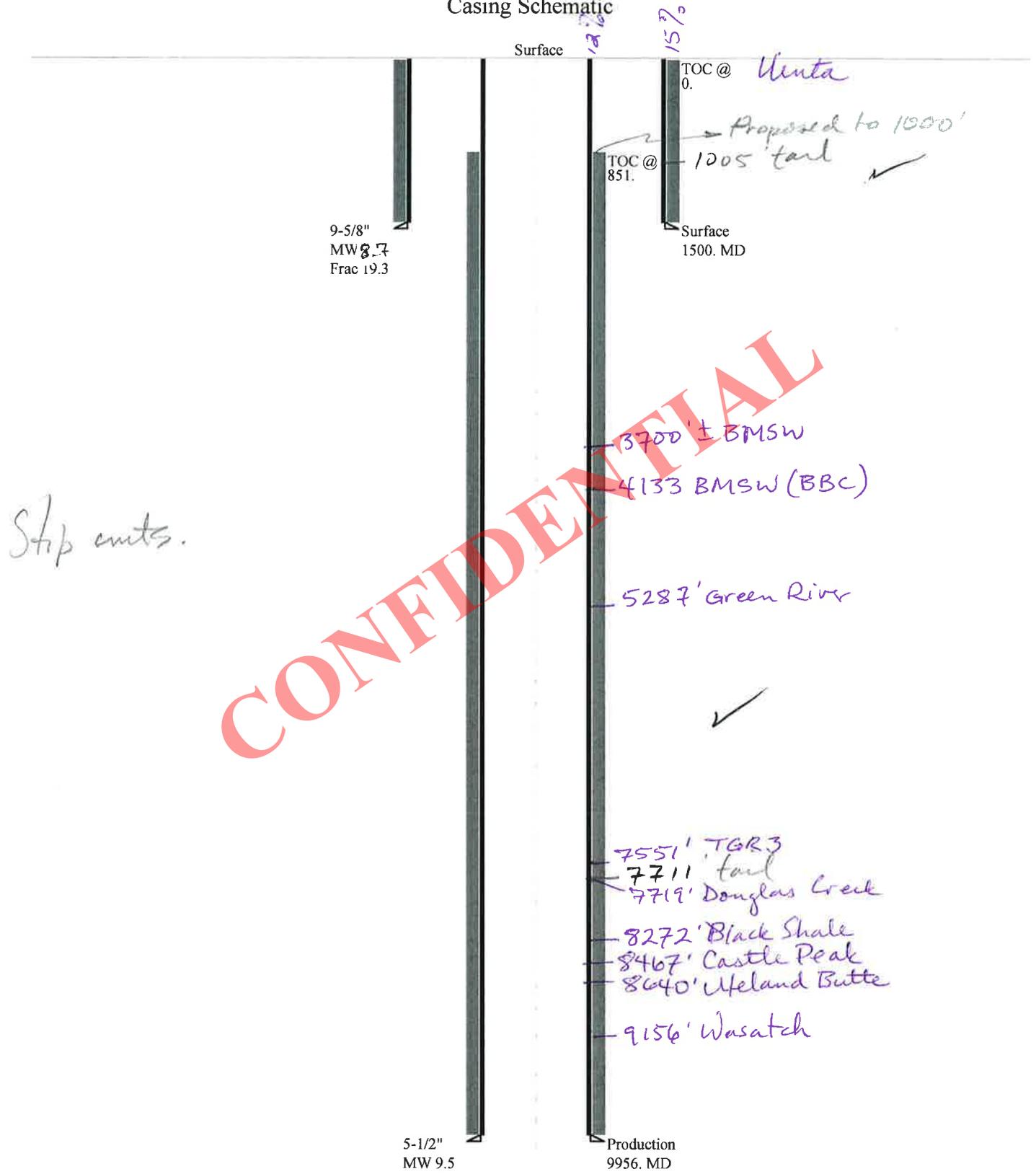
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	733	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	553	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	403	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	421	NO OK
Required Casing/BOPE Test Pressure=		1500	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=	4918	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3723	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2728	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3058	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1500	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

# 43047537640000 FD 1-33-2-2

## Casing Schematic



Strip cuts.

**CONFIDENTIAL**

9-5/8"  
MW 8.7  
Frac 19.3

5-1/2"  
MW 9.5

Production  
9956. MD

Surface

TOC @  
0.

Uenta

TOC @  
851.

Proposed to 1000'  
1205' tail ✓

Surface  
1500. MD

3700' ± BMSW

4133 BMSW (BBC)

5287' Green River ✓

7551' TGR3

7711' tail

7719' Douglas Creek

8272' Black Shale

8467' Castle Peak

8640' Ufeland Butte

9156' Wasatch

Well name:	<b>43047537640000 FD 1-33-2-2</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Surface	Project ID:	43-047-53754
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

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 95 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 1,320 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 1,500 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: 1,307 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 9,956 ft  
 Next mud weight: 9.500 ppg  
 Next setting BHP: 4,913 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 1,500 ft  
 Injection pressure: 1,500 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	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	13037
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	678	2020	2.980	1500	3520	2.35	47	394	8.38 J

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

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

Date: August 20, 2013  
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1500 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>43047537640000 FD 1-33-2-2</b>	
Operator:	<b>BILL BARRETT CORP</b>	Project ID:
String type:	Production	43-047-53754
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

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 213 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft  
 Cement top: 851 ft

**Burst**

Max anticipated surface pressure: 2,723 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 4,913 psi

No backup mud specified.

**Tension:**

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

**Non-directional string.**

Tension is based on air weight.  
 Neutral point: 8,522 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	9956	5.5	17.00	P-110	LT&C	9956	9956	4.767	65578
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	4913	7480	1.522	4913	10640	2.17	169.3	445	2.63 J

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

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

Date: July 19, 2013  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9956 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.



**Drainage Diversion Required? Y**

North and south

**Berm Required? Y**

Permeable soil and storm collection area just below well pad

**Erosion Sedimentation Control Required? N****Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	25 to 75	15
<b>Distance to Surface Water (feet)</b>		20
<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>10000	15
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		70

1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit is proposed in a cut stable location. Dimensions are 200 x 100 x 10ft. Bill Barrett representative Kary Eldredge stated that a 20 mil reserve pit liner and felt subliner will be used. 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

6/19/2013  
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
7990	43047537640000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Vernon Richens	
<b>Well Name</b>	FD 1-33-2-2		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NENE 33 2S 2E U 1070 FNL (UTM) 604726E 4458241N		670 FEL	GPS Coord	

**Geologic Statement of Basis**

Bill Barrett proposes to set 80 feet of conductor and 1,500 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 3,700'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 33. 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 in order to isolate it from fresher waters uphole.

Brad Hill  
APD Evaluator

7/3/2013  
Date / Time

**Surface Statement of Basis**

This well is on fee surface with fee minerals. Surface owner Vernon Richens was invited to this onsite and several other well sites on Mr. Richens land to be visited this day. I met with Mr. Richens to discuss the well sites in general and he stated that prior to placement of the wells on the Richens land, he was consulted by Bill Barrett Corporation and all locations were placed such that his farming and livestock operation would not be disturbed. Mr. Richens chose not to participate in the days presite inspections but expressed that he had no concerns with any of the proposed locations. According to Kary Eldredge a 20 mil liner will be used for this reserve pit. This liner will be adequate for the location. Due to very permeable soils and rugged terrain this well pad must be bermed to keep any leaked or spilled fluids contained to the pad. Drainage diversions will be needed around both the north and south ends of this location. The site sits just above a good sized storm water collection pond. On the south the location overlaps a drainage leading to the collection area. It was agreed at the presite that 25 feet would be taken of the south side of the well pad and that the south corner would be rounded to stay on the bench above the collection pond.

Richard Powell  
Onsite Evaluator

6/19/2013  
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 leaving the pad.

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.
Surface	The south side of the location must be shortened 25 feet and the southwest corner of the location must be rounded to keep the location on the bench above the storm water collection pond immediately to the west.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/16/2013

API NO. ASSIGNED: 43047537640000

WELL NAME: FD 1-33-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NENE 33 020S 020E

Permit Tech Review: 

SURFACE: 1070 FNL 0670 FEL

Engineering Review: 

BOTTOM: 1070 FNL 0670 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.26999

LONGITUDE: -109.76830

UTM SURF EASTINGS: 604726.00

NORTHINGS: 4458241.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

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

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

## LOCATION AND SITING:

- 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

 R649-2-3.

Unit:

 R649-3-2. General R649-3-3. Exception Drilling Unit

Board Cause No: Cause 139-42

Effective Date: 4/12/1985

Siting: 660' Fr Ext U Bdry &amp; 1320' Fr Other Wells

 R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 3 - Commingle - dducet  
 5 - Statement of Basis - bhill  
 12 - Cement Volume (3) - hmacdonald  
 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. BAZA  
Division Director

## Permit To Drill

\*\*\*\*\*

**Well Name:** FD 1-33-2-2

**API Well Number:** 43047537640000

**Lease Number:** fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 11/5/2013

### Issued to:

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

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-42. 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

### Commingling:

In accordance with Board Cause No. 139-42, commingling of the production from the Wasatch formation and the Lower Green River formation in this well is allowed.

### 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:

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 cement from the pipe setting depth back to 1000' MD as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

### 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 "J. Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: fee
<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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD 1-33-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047537640000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1070 FNL 0670 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: UINTAH
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/10/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" 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 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.

Bill Barrett Corporation is requesting permission to revise the drilling plan for this well: Surface casing set depth will remain the same at 1500'; Surface casing description: 8-5/8" 24# J55 STC (Hole size remains at 12-1/4" hole); Surface cement volumes: 160 sx 11.0 ppg lead (75% excess) 270 sx 14.8 ppg tail (75% excess); Production grade changing to: P-110 OR I-80; Production Hole and Casing size remains the same.

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

**Date:** February 14, 2014

**By:** *Dark Ount*

<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> 2/10/2014	

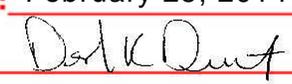
<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047537640000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1070 FNL 0670 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/20/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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.

Bill Barrett Corporation is requesting permission to revise the surface casing set depth for this well from 1500' to 1200'. Hole and casing size will remain the same. Surface casing cement totals will change to 170sx (lead) and 270sx (tail).

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** February 25, 2014  
**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> 2/20/2014	

<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> fee
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> FD 1-33-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1070 FNL 0670 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047537640000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<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"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/7/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<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"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type: Soilmec SR/30 Spud Date: 3/7/14 Spud Time: 8:00 AM Commence Drilling approximate start date: 3/25/2014		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          March 10, 2014</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> 3/10/2014	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# PRO PETRO 10 Submitted  
By JEREMY MEJORADO Phone Number 303-353-5374  
Well Name/Number FD 1-33-2-2  
Qtr/Qtr NE/NE Section 33 Township 2S Range 2E  
Lease Serial Number \_\_\_\_\_  
API Number ~~43-475-76400~~ 4304753764

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 3/13/14 6:00 AM  PM

BOPE

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

**RECEIVED**

**MAR 12 2014**

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

Date/Time \_\_\_\_\_ AM  PM

Remarks WE WILL BE CEMENTING AROUND 7:00 PM 3/13/14  
PLEASE CALL WITH ANY QUESTIONS CONCERNS

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> fee	
		<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 1-33-2-2	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047537640000	
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1070 FNL 0670 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		<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"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/31/2014	<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.  <div style="text-align: center;">No Monthly drilling to report, well spud on 3/7/2014</div> <div style="text-align: right; margin-top: 20px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 08, 2014</b></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> 4/4/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 1-33-2-2
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047537640000
<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> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1070 FNL 0670 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		<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"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/30/2014	<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.		
No Monthly drilling to report, well spud on 3/7/2014		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> May 06, 2014		
<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> 5/6/2014

<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> fee
		<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 1-33-2-2
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047537640000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1070 FNL 0670 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		<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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/31/2014	<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 May 2014 Drilling Activity for this well.

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

<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> 6/5/2014	

**FD 01-33-2-2 5/22/2014 06:00 - 5/23/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	1	RIGUP & TEARDOWN	MOVE RIG FROM 11-33-2-2 TO 1-33-2-2 SET CAMPS, SET RIG
12:00	4.00	16:00	14	NIPPLE UP B.O.P	NIPPLE UP B.O.Ps RIG ON DAY WORK @ 16:00
16:00	2.00	18:00	15	TEST B.O.P	TEST B.O.Ps
18:00	12.00	06:00	8	REPAIR RIG	COFLEX HOSE FAILED WHILE PRESSURE TESTING WAIT ON PARTS, BUILD NEW CHOKE LINE WAITE TO COOL AND INSTALL

**FD 01-33-2-2 5/23/2014 06:00 - 5/24/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	15	TEST B.O.P	FINISH TESTING B.O.Ps (TEST 5000 HIGH F/10 MINS LOWER AND UPPER KELLY VALVE F.O.S.V AND DART 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/UDOG NOTIFIED OF TEST 5/22/14 @ 6:00
09:00	2.50	11:30	8	REPAIR RIG	REPAIR BOOMS BYPASS FLOW CONTROLER BLEED BOOM LOWER TO GROUND AND CHANGE PART
11:30	0.50	12:00	7	LUBRICATE RIG	RIG SERVICE
12:00	0.50	12:30	21	OPEN	INSTALL WARE BUSHING
12:30	1.50	14:00	20	DIRECTIONAL WORK	MAKE UP BIT TO MOTOR SCRIBE MOTOR INSTALL MWD TOOL AND REAMERS
14:00	2.00	16:00	6	TRIPS	TRIP IN B.H.A
16:00	0.50	16:30	21	OPEN	SLIP AND CUT DRILL LINE 55'
16:30	1.50	18:00	3	REAMING	WASH AND REAM DRILL CEMENT TAG CEMENT @ 1160'
18:00	0.50	18:30	2	DRILL ACTUAL	DRILL 20' NEW FORMATION
18:30	0.50	19:00	5	COND MUD & CIRC	CIRCULATE PUMP LCM, EMW TEST 141 PSI 10.5 EMW
19:00	10.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/1293'-3330" (2037') 194' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=20-22 OFF BOTTOM PRESSURE=1433 PSI DIFF PRESS=150-300PSI TQ=6.6K B.O.P DRILL @ 05:30 1 MIN 3 SECS
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD 01-33-2-2 5/24/2014 06:00 - 5/25/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/3330"-4873" (1543') 134' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=20-22 OFF BOTTOM PRESSURE=1433 PSI DIFF PRESS=150-300PSI TQ=6.7K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/4873'-5495' (622') 54' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=20-22 OFF BOTTOM PRESSURE=1433 PSI DIFF PRESS=150-300PSI TQ=6.7K B.O.P DRILL @ 17:30 1 MIN 10 SECS
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD 01-33-2-2 5/25/2014 06:00 - 5/26/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 5495'-5702' (207') 18' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=27-28 OFF BOTTOM PRESSURE=1533 PSI DIFF PRESS=150-300PSI TQ=6.7K
17:00	0.50	17:30	7	LUBRICATE RIG	RIG SERVICE (FUNCTION TEST PIPE RAMS) CIRCULATE BOTTOMS UP

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
17:30	1.00	18:30	6	TRIPS	TRIP OUT OF HOLE TIGHT SPOT @ 5300' WORK TIGHT HOLE
18:30	2.50	21:00	5	COND MUD & CIRC	CIRCULATE HOLE CLEAN RASIE MW F/9.0-9.2 OIL BACK ON BOTTOMS UP FLOW CHECK FLOWING
21:00	1.00	22:00	6	TRIPS	WASH AND REAM TO BOTTOM
22:00	2.00	00:00	5	COND MUD & CIRC	CIRCULATE MUD RASIE MW T/ 9.4 FLOW CHECK NO FLOW
00:00	4.50	04:30	6	TRIPS	TRIP OUT OF HOLE (TRIP OUT 5 JOINTS CHECK FOR FLOW NO FLOW)
04:30	0.50	05:00	7	LUBRICATE RIG	RIG SERVICE
05:00	1.00	06:00	6	TRIPS	PULL ROT RUBBER TRIP OUT B.H.A

**FD 01-33-2-2 5/26/2014 06:00 - 5/27/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53764	Utah	Uintah	Fort Duchesne	DRILLING	9,178.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	6	TRIPS	LAY DOWN B.H.A WHILE SETTING MOTOR COLLAR CLAMP LINK PIN FELL IN HOLE LOOK AROUND DRAINED STACK PIN LAYING BETWEEN MOTOR AND WELL HEAD
08:00	2.50	10:30	19	FISHING	TRIED TO RETRIEVE PIN WITH A MAGNET WITH NO SUCCESS
10:30	1.00	11:30	20	DIRECTIONAL WORK	BREAK BIT LAY DOWN MUD MOTOR AND REAMER
11:30	0.50	12:00	7	LUBRICATE RIG	RIG SERVICE WAIT ON FISHING TOOLS
12:00	2.00	14:00	8	REPAIR RIG	FIX BROKEN HEAD ON IRON ROUGHNECK
14:00	8.00	22:00	19	FISHING	TRIP IN THE HOLE WITH A MAGNET BREAK CIRCULATION EVERY 1500 FEET
22:00	2.00	00:00	19	FISHING	BREAK CIRCULATION WASH AND REAM SLOWY TO BOTTOM WASH THROUGH FILL WITH 2K WT ON BIT 15 ROT CIRCULATE HOLE CLEAN ON TOP OF BOTTOM 6-12" SPR ROTATE 3-6 TURNS PICK UP 1-2 FEET SET BACK DOWN ON FISH WITH 3-5K WOB 4 TIMES PICK UP TURN 1/2 AT A TIME SETTING BACK DOWN 5K WOB PICK UP 10' SHUT DOWN PUMPS SET BACK DOWN WITH 7-8K WOB
00:00	5.50	05:30	19	FISHING	TRIP OUT OF HOLE (NO FISH)
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD 01-33-2-2 5/27/2014 06:00 - 5/28/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53764	Utah	Uintah	Fort Duchesne	DRILLING	9,178.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	19	FISHING	M/U MILL, JUNK BASKET & BIT SUB
07:00	0.50	07:30	7	LUBRICATE RIG	RIG SERVICE
07:30	7.00	14:30	19	FISHING	TRIP IN THE HOLE WITH MILL AND JUNK BASKET BREAK CIRCULATION EVER 2000 FEET
14:30	3.00	17:30	19	FISHING	WASH AND REAM WITH MILL F/ 5600'-5702'
17:30	3.50	21:00	19	FISHING	MILL ON FISH SET ON FISH WITH 10K WOB 60 RPM TQ LEVELED OUT PICK UP 10' RECYCLE PUMPS SET BACK ON BOTTOM TO LOOK FOR TQ 3 TIMES PUMP HIS VIS SWEEP PUMP SLUG
21:00	3.50	00:30	19	FISHING	TRIP OUT OF HOLE
00:30	0.50	01:00	7	LUBRICATE RIG	RIG SERVICE
01:00	1.50	02:30	8	REPAIR RIG	RIG REPAIR FIX BOOM
02:30	1.50	04:00	6	TRIPS	FINISH P.O.O.H LAY DOWN MILL AND JUNK BASKET AND BIT SUB
04:00	0.50	04:30	21	OPEN	LAY OUT DIRECTIONAL B.H.A
04:30	1.50	06:00	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS M/U BIT SCRIBE

**FD 01-33-2-2 5/28/2014 06:00 - 5/29/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53764	Utah	Uintah	Fort Duchesne	DRILLING	9,178.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	6	TRIPS	TRIP IN HOLE
11:30	1.50	13:00	3	REAMING	W&R 90' to bottom, fan bit, sweep hole.
13:00	4.50	17:30	2	DRILL ACTUAL	Steerable drlg 5702' - 5818'. Wob - 20-25k, Rpm 50/79, Spp 2100 psi, Dp 100 psi, gpm 470, rop 26 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	9.50	03:30	2	DRILL ACTUAL	Steerable drlg 5818' - 6032'. Wob - 20-25k, Rpm 50/79, Spp 2100 psi, Dp 100 psi, gpm 470, rop 23 fph.
03:30	0.50	04:00	7	LUBRICATE RIG	Rig Service.
04:00	2.00	06:00	2	DRILL ACTUAL	Steerable drlg 6032' - 6088'. Wob - 20-25k, Rpm 50/79, Spp 2100 psi, Dp 100 psi, gpm 470, rop 28 fph.

**FD 01-33-2-2 5/29/2014 06:00 - 5/30/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 6088' - 6464'. Wob - 20-25k, Rpm 50/79, Spp 2200 psi, Dp 250 psi, gpm 470, rop 34 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.
17:30	12.50	06:00	2	DRILL ACTUAL	Steerable drlg 6464' - 6775'. Wob - 20-25k, Rpm 50/79, Spp 2200 psi, Dp 250 psi, gpm 470, rop 25 fph.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 1-33-2-2	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047537640000	
<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> WILDCAT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1070 FNL 0670 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		<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"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2014	<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.			
Attached is the June 2014 Drilling Activity for this well.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b> July 08, 2014			
<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> 7/8/2014	

**FD 01-33-2-2 6/1/2014 06:00 - 6/2/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	6	TRIPS	Finish Tih.
10:00	7.50	17:30	2	DRILL ACTUAL	Steerable drlg 7660' - 8341'. Wob - 20-25k, Rpm 50/79, Spp 2400 psi, Dp 250 psi, gpm 470, rop 91 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drlg 8341' - 8895'. Wob - 20-25k, Rpm 50/79, Spp 2400 psi, Dp 250 psi, gpm 470, rop 48 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

**FD 01-33-2-2 6/2/2014 06:00 - 6/3/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable drlg 8895' - 9178'. Wob - 20-25k, Rpm 50/79, Spp 2350 psi, Dp 150 psi, gpm 430, rop 27 fph. TD hole @ 9178' @ 16:30.
16:30	1.50	18:00	5	COND MUD & CIRC	Sweep hole, C&C mud, pump pill.
18:00	1.50	19:30	6	TRIPS	ST to 7660'.
19:30	2.00	21:30	5	COND MUD & CIRC	Sweep hole, C&C mud, pump pill.
21:30	7.00	04:30	6	TRIPS	Toh f/casing.
04:30	1.00	05:30	20	DIRECTIONAL WORK	LD dir tools.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

**FD 01-33-2-2 6/3/2014 06:00 - 6/4/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	12	RUN CASING & CEMENT	Prepare to run casing.
09:00	10.00	19:00	12	RUN CASING & CEMENT	Run 5 1/2", 17#, I-80, LT&C Casing as follows: Float shoe, 2 jts csg, float collar, 20 jts csg, MJ @ 8216', 18 jts csg, MJ @ 7456', 168 jts csg(208 total). PU jt # 209 to reciprocate.
19:00	2.50	21:30	5	COND MUD & CIRC	C&C mud f/csg, reciprocate pipe.
21:30	4.00	01:30	12	RUN CASING & CEMENT	HSM. Cement prod csg as follows: Test lines to 5000 psi. Pump 40 bbls tuned spacer @ 10.4 ppg, Mix and pump 550 sx (229 bbls) tuned lite lead @ 11 ppg, 2.34 yld, 10.1 gps h2o. Tail in with 735 sx (190 bbls) Expandacem @ 13.5 ppg, 1.45 yld, 6.91 gps h2o. Wash up to pit, drop plug, displace with 211 bbls Cla-web/Aldicide @ 8.34 ppg. Max pressure 2058 psi, bump plug to 2700 psi. Bled back 2 bbls, floats held. Good returns, lost returns 100 bbls into displacement, no cement to surface. R/D HES.
01:30	0.50	02:00	21	OPEN	Ndbop, set packoff, test.
02:00	4.00	06:00	21	OPEN	Clean pits, transfer 400 bbls mud to FD 5-33-2-2. Rig released @ 06:00.

**FD 01-33-2-2 6/5/2014 06:00 - 6/6/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com

**FD 01-33-2-2 6/11/2014 06:00 - 6/12/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com

**FD 01-33-2-2 6/18/2014 06:00 - 6/19/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	PTST	Pressure Test	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, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL.

**FD 01-33-2-2 6/20/2014 06:00 - 6/21/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53764	Utah	Uintah	Fort Duchesne	COMPLETION	9,178.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE

**FD 01-33-2-2 6/21/2014 06:00 - 6/22/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53764	Utah	Uintah	Fort Duchesne	COMPLETION	9,178.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	SHUT IN, WAITING ON CREWS. WAITING ON ACID
09:00	1.50	10:30	SRIG	Rig Up/Down	SPOT AND RU CASED HOLE EWL WITH 5" 5K LUBE. HES START RIGGING UP.
10:30	1.50	12:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 8208'-8232'. RUN DOWN AND PERF 8679'-9022' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. TURN OVER TO HES.
12:00	1.25	13:15	DTIM	Downtime	WAITING ON ACID TO COME IN.
13:15	1.25	14:30	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 32 PSI AT 13:21 BREAK DOWN 3908 PSI AT 9.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 11.5 BPM AT 1887 PSI. FLUSH W/ 8474 GAL. 31.0 BPM AT 2616 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 3637 PSI. ISDP 1824. FG .64. PERFS OPEN 30/45  ISIP 2063 FG .67, MR 71.8 BPM, AR 70.2 BPM, MP 3464 PSI, AP 2949 PSI 100 MESH 8000 lbs. .75 ppg 20/40 WHITE 150,300 lbs 2.0, 2.15-5.0 RAMP, 5.0 ppg SLK WTR 988 BBL, 20# HYBOR G (16) 1567 BBL, BTR 2660 BBLs  SHUT IN AND TURN OVER TO CASED HOLE.
14:30	1.25	15:45	PFRT	Perforating	PERF STG #2- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 1950 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8208'-8232'. RUN DOWN AND SET 5-1/2" CBP AT 8632' WITH 1850 PSI. PULL UP AND PERF 8283'-8609' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1150 PSI. TURN WELL OVER TO HES.
15:45	1.17	16:55	FRAC	Frac. Job	FRAC STG 2 PRESSURE TEST LINES TO 7770 PSI. OPEN WELL W/ 200 PSI AT 15:50 BREAK DOWN 2870 PSI AT 10.3 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 2373 PSI. FLUSH W/ 8283 GAL. 29.8 BPM AT 2884 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 71.2 BPM AT 4619 PSI. ISDP 2439. FG .73. PERFS OPEN 27/45  ISIP 2653, FG .75, MR 70.2 BPM, AR 70.1 BPM, MP 4032 PSI, AP 3595 PSI 100 MESH 8200 lbs. .75 ppg 20/40 WHITE 150,100 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 969 BBL, 20# HYBOR G (16) 1585 BBL, BTR 2647 BBLs  SHUT IN AND TURN OVER TO CASED HOLE.
16:55	1.25	18:10	PFRT	Perforating	PERF STG #3- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7572'-7596'. RUN DOWN AND SET 5-1/2" CBP AT 8310' WITH 2400 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8022'-8287' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2100 PSI. SHUT IN AND SECURE WELL.
18:10	11.83	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE

**FD 01-33-2-2 6/22/2014 06:00 - 6/23/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.34	06:20	SMTG	Safety Meeting	AOL 05:30. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA.	
06:20	1.17	07:30	FRAC	Frac. Job	FRAC STG 3 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 1876 PSI AT 06:24 BREAK DOWN 2300 PSI AT 10.0 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 2378 PSI. FLUSH W/ 7680 GAL. 29.6 BPM AT 2926 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.2 BPM AT 3917 PSI. ISDP 2641. FG .77. PERFS OPEN 37/45  ISIP 2733, FG .78, MR 70.7 BPM, AR 70.5 BPM, MP 4084 PSI, AP 3513 PSI 100 MESH 8400 lbs. .75 ppg 20/40 WHITE 150,000 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 905 BBL, 20# HYBOR G (16) 1586 BBL, BTR 2584 BBLs  SHUT IN AND TURN OVER TO CASED HOLE.	
07:30	1.00	08:30	PFRT	Perforating	PERF STG #4- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 2600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7449'-7473'. RUN DOWN AND SET 5-1/2" CBP AT 7822' WITH 2500 PSI. PULL UP AND PERF 7515'-7802' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 650 PSI. TURN WELL OVER TO HES.	
08:30	1.25	09:45	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 582 PSI AT 08:36 BREAK DOWN 1567 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1142 PSI. FLUSH W/ 7338 GAL. 30.2 BPM AT 2025 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.0 BPM AT 3176 PSI. ISDP 1484. FG .63. PERFS OPEN 31/45  ISIP 2064, FG .71, MR 71.1 BPM, AR 70.8 BPM, MP 3265 PSI, AP 288 PSI (SUCKED AIR ON FLUSH, LOST RATE) 100 MESH 10,400 lbs. .75 ppg 20/40 WHITE 148,500 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 952 BBL, 20# HYBOR G (16) 1603 BBL, BTR 2636 BBLs  SHUT IN, REMOVE STAND PIPES AND TURN OVER TO CASED HOLE.	
09:45	1.00	10:45	WLWK	Wireline	KILL PLUG- PU 5-1/2" EXELIS PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1850 PSI. RIH AND CORRELATE TO CSG JTS (NO SHORT JT NOW). SET KILL PLUG AT 7590' WITH 1600 PSI. BLEED OFF AS POOH.	
10:45	3.00	13:45	SRIG	Rig Up/Down	RDMO HES AND CASED HOLE.	
13:45	16.24	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. STACK WTR FOR RIG.	

**FD 01-33-2-2 6/23/2014 06:00 - 6/24/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL HOLD SAFETY MEETING.	
07:00	1.00	08:00	RMOV	Rig Move	ROAD RIG F/ 7-31-2-2 TO LOCATION.	
08:00	1.00	09:00	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.	
09:00	3.00	12:00	BOPI	Install BOP's	N/D FRAC TREE. N/U BOPE. R/U FLOOR & EQUIPMENT. SPOT IN CATWALK & PIPE RACKS. LOAD 297 JTS ON RACKS.	
12:00	4.50	16:30	RUTB	Run Tubing	P/U 4-3/4 BIT, POBS, 1 JTS 2-7/8 TBG & S/N. RIH W/ BHA TO KILL PLUG @ 7415' TALLYING TBG.	
16:30	1.50	18:00	GOP	General Operations	R/U POWER SWIVEL & CIRC EQUIPMENT. FILL HOLE & TEST BOPE TO 2000 PSI, HELD. SDFN.	
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.	

**FD 01-33-2-2 6/24/2014 06:00 - 6/25/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	5.00	12:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. D/O KILL PLUG @ 7415'. CFP- 800 ON 24/64 CHOKE.  SWIVEL IN HOLE, TAG SAND @ 7795'. C/O SAND & D/O CBP @ 7822'. CFP- 800 ON 24/64 CHOKE.  SWIVEL IN HOLE, TAG FILL @ 8265', ATTEMPT C/O FOR +/- 30 MINS, LOTS OF TORQUE, MAKING NO HOLE. POSSIBLE MISSING A CONE OFF BIT. R/D SWIVEL.	
12:00	3.00	15:00	PULT	Pull Tubing	POOH TO 2500' W/ BIT. TURN WELL OVER TO FLOWBACK. 400 PSI ON 24/64 CHOKE. RACK OUT SWIVEL. MOVE CATWALK & TBG. SDFN.	
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.	

**FD 01-33-2-2 6/25/2014 06:00 - 6/26/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	3.00	10:00	GOP	General Operations	CFP- 850 ON 20/64 CHOKE. LAND TBG ON HANGER. N/D HYDRILL. N/U ROGUE SNUBBING UNIT. STRIP OUT HANGER.	
10:00	1.50	11:30	PULT	Pull Tubing	POOH W/ 4-3/4 BIT. SNUB LAST 1000'. MISSING ONE CONE OFF BIT. P/U NEW BHA.	
11:30	1.50	13:00	RUTB	Run Tubing	RIH TO 2480' W/ 4-3/4 JUNK MILL, B/S W/ DOUBLE FLOATS, 1 JT 2-7/8 TBG & DRAIN SUB. LAND TBG ON HANGER..	
13:00	1.50	14:30	RUTB	Run Tubing	R/D ROGUE SNUBBING UNIT. N/U HYDRILL. R/U FLOOR & EQUIPMENT. STRIP OUT HANGER.	
14:30	1.00	15:30	RUTB	Run Tubing	FINISH RIH W/ MILL TO TOP OF PERFS @ 7515.	
15:30	1.00	16:30	GOP	General Operations	SPOT IN CATWALK & HANG SWIVEL IN DERRICK. SDFN. TURN OVER TO FLOWBACK.	
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.	

**FD 01-33-2-2 6/26/2014 06:00 - 6/27/2014 06:00**

API 43-047-53764	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,178.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	1.00	08:00	RUTB	Run Tubing	RIH F/ TOP OF PERFS @ 7515' W/ 4-3/4 JUNK. MILL TO 8265'. R/U SWIVEL.	
08:00	5.50	13:30	DOPG	Drill Out Plugs	BREAK CIRC. MILL UP CONE OFF OF BIT. C/O TO CBP @ 8272'. D/O PLUG. CFP- 200 ON 24/64 CHOKE.  SWIVEL IN HOLE TAG FILL @ 8612'. C/O FILL & D/O CBP @ 8632'. CFP- 100 ON 64/64 CHOKE. TOOK 1.5 HRS TO D/O PLUG.  SWIVEL IN HOLE, TAG FILL @ 8988'. C/O TO F/C @ 9078'. D/O F/C. C/O CMT TO 9129' PBD. CIRC WELL CLEAN. R/D SWIVEL.	
13:30	1.50	15:00	PULT	Pull Tubing	POOH TO 7421' L/D 2-7/8 TBG. TURN WELL OVER TO FLOW BACK.. SDFW.	
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 1-33-2-2	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047537640000	
<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> 1070 FNL 0670 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		<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: 6/25/2014  <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 checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
THIS WELL HAD FIRST PRODUCTION ON 6/25/14, FIRST GAS SALES ON 7/7/14 AND FIRST OIL SALES ON 7/2/14			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b> August 04, 2014			
<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> 7/8/2014	

<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.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047537640000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1070 FNL 0670 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/6/2014</b>	<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: <input type="text" value="SITE FACILITY DIAGRAM"/>

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

ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM/SECURITY PLAN  
FOR THIS WELL

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 August 19, 2014**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/6/2014	

Sundry Number: 54227 API Well Number: 43047537640000

**BILL BARRETT CORPORATION**  
 FEE  
 FD 1-33-2-2  
 NE¼ NE¼ SEC 33,T2S, R2E,  
 Lease # FEE  
 API # 43-047-53764  
 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

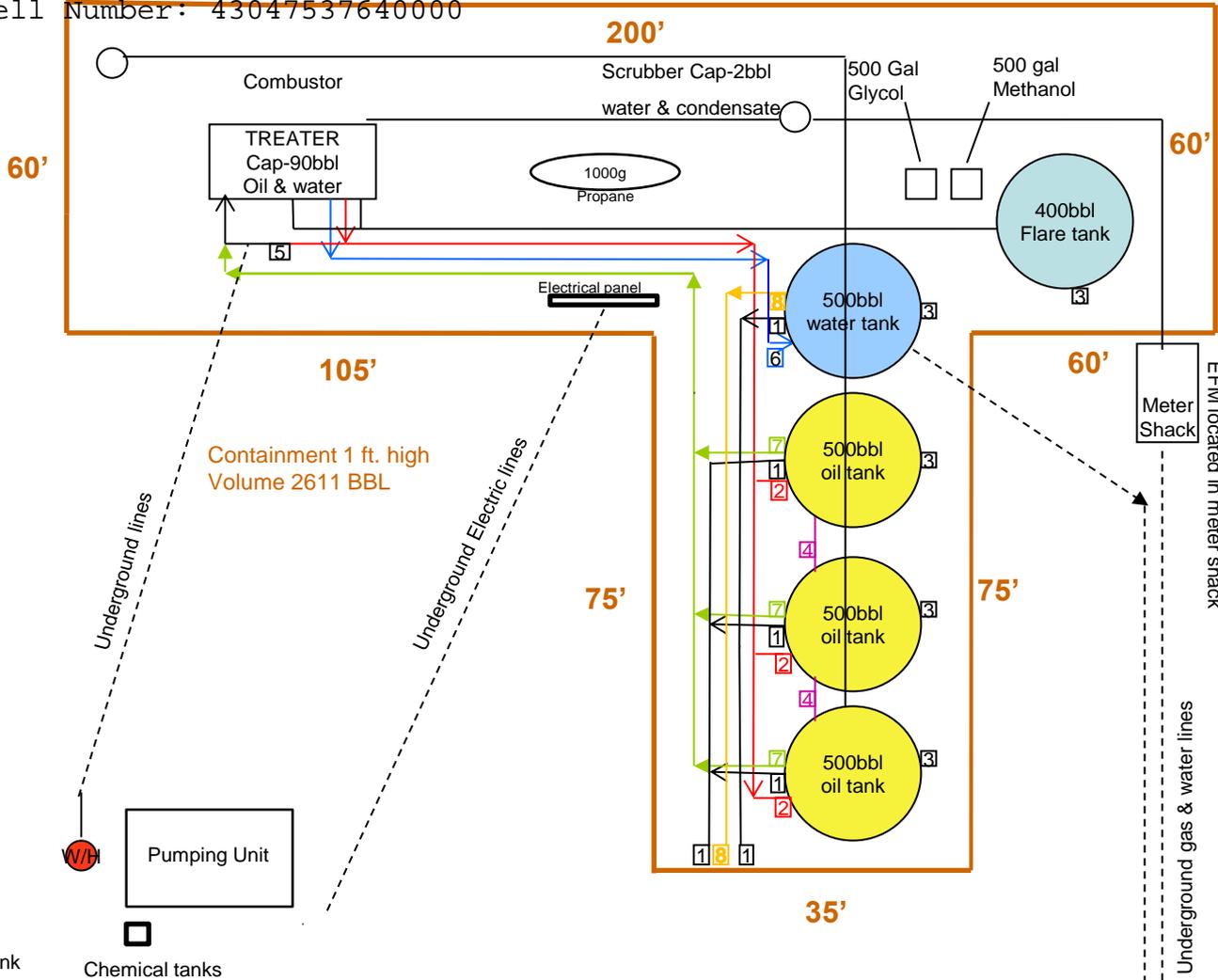
5 – BYPASS

**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



Chemical tanks

North ←

Surface Drainage to Northwest into dry drainage.

Entrance →

EFM located in meter shack

Underground gas & water lines

**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>Fee</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 1-33-2-2</b>
3. ADDRESS OF OPERATOR: <b>1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202</b>		9. API NUMBER: <b>4304753764</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>1070 FNL 670 FEL</b>  AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>1076 FNL 717 FEL</b>  AT TOTAL DEPTH: <b>1110 FNL 700 FEL</b>		10 FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
14. DATE SPUNNED: <b>3/7/2014</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 33 2S 2E U</b>
15. DATE T.D. REACHED: <b>6/2/2014</b>		12. COUNTY <b>Uintah</b>
16. DATE COMPLETED: <b>6/25/2014</b> ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		13. STATE <b>UTAH</b>
17. ELEVATIONS (DF, RKB, RT, GL): <b>5136 GL</b>		
18. TOTAL DEPTH: MD <b>9,178</b> TVD <b>9,176</b>	19. PLUG BACK T.D.: MD <b>9,078</b> TVD <b>9,076</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)  
**CBL/MUD**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
 WAS DST RUN? NO  YES  (Submit report)  
 DIRECTIONAL SURVEY? NO  YES  (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
24	16 Conq	65#	0	80	80			0	
12 1/4	8 5/8 J-55	24#	0	1,293	1,247	Lead 190	129	0	
						Tail 360	74		
7 7/8	5 1/2 I-80	17#	0	9,178	9,168	Lead 550	240	4568	
						Tail 735	187		

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	7,581							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Green River	7,515	9,022			7,515 9,022	.38	180	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"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7515-9022	Green River: See attached Stage 1-4

29. ENCLOSED ATTACHMENTS: <input checked="" type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____	30. WELL STATUS: <b>POW</b>
--	--------------------------------

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/25/2014		TEST DATE: 7/5/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 260	GAS – MCF: 0	WATER – BBL: 25	PROD. METHOD: Flowing
CHOKE SIZE: 64/64	TBG. PRESS. 400	CSG. PRESS. 50	API GRAVITY 31.00	BTU – GAS 1	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 260	GAS – MCF: 0	WATER – BBL: 25	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	5,048
				Mahogany	6,545
				TGR3	7,710
				Douglas Creek	7,861
				Black Shale Facies	8,355
				Castle Peak	8,444
				Uteland Butte	8,657
				Wasatch	9,178

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 7/7/2014; first oil sales 7/2/2014

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 7/23/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- 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

**1-33-2-2 Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs Common White 100 Mesh Sand</u>	<u>lbs 20/40 Premium White</u>	<u>gal 15% HCl Acid</u>
1	2660	8013	150300	4400
2	2647	8177	150100	3900
3	2584	8400	150000	3900
4	2637	10387	148460	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 1-33-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 33 T2S, R2E	<b>MD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Well:</b>	FD 1-33-2-2	<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 33 T2S, R2E		
<b>Site Position:</b>		<b>Northing:</b>	11,159,677.19 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,121,631.37 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 16' 13.950 N
		<b>Longitude:</b>	109° 46' 37.220 W
		<b>Grid Convergence:</b>	1.06 °

<b>Well</b>	FD 1-33-2-2, SHL: 40° 16' 12.060 -109° 46' 3.060					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	11,159,534.74 usft	<b>Latitude:</b>	40° 16' 12.060 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,124,284.76 usft	<b>Longitude:</b>	109° 46' 3.060 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	5,149.0 usft	<b>Ground Level:</b>	5,136.0 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	5/15/2014	10.85	65.96	52,148

<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	217.04	

<b>Survey Program</b>	<b>Date</b>	6/16/2014			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
1,224.0	9,178.0	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 1-33-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 33 T2S, R2E	<b>MD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Well:</b>	FD 1-33-2-2	<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	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,224.0	0.31	147.78	1,224.0	1.2	-2.8	1.8	0.03	0.03	0.00
1,310.0	0.88	267.88	1,310.0	1.7	-3.0	1.2	1.24	0.66	139.65
1,396.0	1.59	296.46	1,396.0	2.3	-2.5	-0.5	1.07	0.83	33.23
1,481.0	1.68	291.97	1,480.9	2.8	-1.5	-2.7	0.18	0.11	-5.28
1,566.0	1.28	288.75	1,565.9	3.5	-0.8	-4.8	0.48	-0.47	-3.79
1,652.0	2.52	305.27	1,651.9	3.8	0.6	-7.2	1.56	1.44	19.21
1,737.0	2.12	306.95	1,736.8	3.9	2.7	-10.0	0.48	-0.47	1.98
1,823.0	1.90	304.57	1,822.7	4.0	4.4	-12.4	0.27	-0.26	-2.77
1,908.0	1.59	308.14	1,907.7	4.0	6.0	-14.5	0.39	-0.36	4.20
1,994.0	1.41	301.97	1,993.7	4.1	7.3	-16.4	0.28	-0.21	-7.17
2,079.0	1.28	282.84	2,078.6	4.5	8.0	-18.2	0.55	-0.15	-22.51
2,163.0	1.19	277.56	2,162.6	5.4	8.4	-20.0	0.17	-0.11	-6.29
2,250.0	1.90	292.36	2,249.6	6.2	9.0	-22.2	0.93	0.82	17.01
2,335.0	1.90	287.87	2,334.5	7.0	10.0	-24.8	0.18	0.00	-5.28
2,421.0	1.81	287.34	2,420.5	7.9	10.8	-27.5	0.11	-0.10	-0.62
2,506.0	1.50	276.85	2,505.5	8.9	11.4	-29.9	0.51	-0.36	-12.34
2,590.0	1.41	269.14	2,589.4	10.1	11.5	-32.0	0.26	-0.11	-9.18
2,675.0	1.28	260.85	2,674.4	11.4	11.3	-34.0	0.27	-0.15	-9.75
2,760.0	1.10	252.48	2,759.4	12.8	10.9	-35.7	0.29	-0.21	-9.85
2,845.0	1.19	246.36	2,844.4	14.2	10.3	-37.3	0.18	0.11	-7.20
2,931.0	0.80	305.27	2,930.4	15.0	10.3	-38.6	1.20	-0.45	68.50
3,016.0	1.10	345.77	3,015.4	14.5	11.4	-39.3	0.84	0.35	47.65
3,101.0	1.19	341.67	3,100.3	13.5	13.1	-39.8	0.14	0.11	-4.82
3,186.0	1.28	341.15	3,185.3	12.5	14.8	-40.3	0.11	0.11	-0.61
3,271.0	1.02	331.27	3,270.3	11.6	16.4	-41.0	0.38	-0.31	-11.62
3,358.0	0.80	31.44	3,357.3	10.7	17.6	-41.1	1.07	-0.25	69.16



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 1-33-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 33 T2S, R2E	<b>MD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Well:</b>	FD 1-33-2-2	<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)
3,529.0	0.80	50.34	3,528.3	8.4	19.3	-39.5	0.15	0.00	11.05
3,614.0	0.80	68.85	3,613.3	7.3	19.9	-38.5	0.30	0.00	21.78
3,700.0	0.80	297.34	3,699.3	6.9	20.4	-38.5	1.70	0.00	-152.92
3,785.0	1.10	297.65	3,784.3	7.1	21.1	-39.7	0.35	0.35	0.36
3,871.0	1.41	295.58	3,870.2	7.5	21.9	-41.4	0.36	0.36	-2.41
3,956.0	0.22	263.45	3,955.2	7.8	22.3	-42.5	1.45	-1.40	-37.80
4,042.0	0.31	279.05	4,041.2	8.0	22.4	-42.9	0.13	0.10	18.14
4,128.0	1.10	163.16	4,127.2	8.6	21.6	-42.9	1.47	0.92	-134.76
4,213.0	1.28	170.34	4,212.2	9.7	19.9	-42.5	0.27	0.21	8.45
4,300.0	1.28	168.36	4,299.2	11.0	18.0	-42.2	0.05	0.00	-2.28
4,386.0	1.41	170.78	4,385.2	12.4	16.0	-41.8	0.16	0.15	2.81
4,472.0	0.80	131.25	4,471.1	13.2	14.6	-41.2	1.10	-0.71	-45.97
4,557.0	0.62	140.55	4,556.1	13.3	13.8	-40.4	0.25	-0.21	10.94
4,643.0	0.71	142.97	4,642.1	13.6	13.0	-39.8	0.11	0.10	2.81
4,742.0	0.40	186.78	4,741.1	14.0	12.2	-39.5	0.51	-0.31	44.25
4,827.0	0.88	221.46	4,826.1	15.0	11.4	-40.0	0.70	0.56	40.80
4,913.0	0.88	208.94	4,912.1	16.3	10.3	-40.7	0.22	0.00	-14.56
4,998.0	1.10	200.97	4,997.1	17.7	9.0	-41.3	0.30	0.26	-9.38
5,083.0	1.02	186.16	5,082.1	19.1	7.5	-41.7	0.33	-0.09	-17.42
5,169.0	0.62	167.87	5,168.1	20.1	6.3	-41.7	0.55	-0.47	-21.27
5,255.0	0.40	335.37	5,254.1	20.3	6.1	-41.7	1.18	-0.26	194.77
5,341.0	0.88	353.35	5,340.1	19.6	7.0	-41.9	0.60	0.56	20.91
5,426.0	0.71	7.76	5,425.1	18.7	8.2	-41.9	0.31	-0.20	16.95
5,513.0	0.31	314.18	5,512.1	18.2	8.9	-42.0	0.67	-0.46	-61.59
5,598.0	0.40	334.27	5,597.1	18.0	9.3	-42.3	0.18	0.11	23.64
5,677.0	0.31	349.87	5,676.1	17.8	9.8	-42.5	0.17	-0.11	19.75
5,762.0	0.00	75.24	5,761.1	17.6	10.0	-42.5	0.36	-0.36	0.00



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 1-33-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 33 T2S, R2E	<b>MD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Well:</b>	FD 1-33-2-2	<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)
5,847.0	0.62	211.37	5,846.0	18.1	9.6	-42.7	0.73	0.73	0.00
5,934.0	0.88	201.98	5,933.0	19.2	8.6	-43.2	0.33	0.30	-10.79
6,019.0	1.10	188.76	6,018.0	20.5	7.2	-43.6	0.37	0.26	-15.55
6,105.0	1.02	172.46	6,104.0	21.8	5.6	-43.6	0.36	-0.09	-18.95
6,191.0	1.90	181.75	6,190.0	23.5	3.4	-43.6	1.06	1.02	10.80
6,276.0	1.19	171.57	6,275.0	25.3	1.1	-43.5	0.89	-0.84	-11.98
6,361.0	0.80	150.25	6,359.9	26.1	-0.2	-43.1	0.63	-0.46	-25.08
6,446.0	1.02	147.56	6,444.9	26.6	-1.4	-42.4	0.26	0.26	-3.16
6,532.0	1.02	162.28	6,530.9	27.3	-2.8	-41.7	0.30	0.00	17.12
6,617.0	1.19	159.15	6,615.9	28.2	-4.3	-41.2	0.21	0.20	-3.68
6,704.0	0.31	225.78	6,702.9	29.0	-5.3	-41.0	1.27	-1.01	76.59
6,747.0	0.31	206.08	6,745.9	29.2	-5.5	-41.2	0.25	0.00	-45.81
6,832.0	0.62	183.16	6,830.9	29.8	-6.2	-41.3	0.42	0.36	-26.96
6,917.0	0.49	303.86	6,915.9	30.2	-6.4	-41.6	1.14	-0.15	142.00
7,002.0	0.62	296.15	7,000.9	30.3	-6.0	-42.3	0.18	0.15	-9.07
7,087.0	1.10	334.36	7,085.9	30.0	-5.1	-43.1	0.85	0.56	44.95
7,173.0	0.80	299.46	7,171.9	29.7	-4.1	-44.0	0.74	-0.35	-40.58
7,258.0	0.80	262.88	7,256.9	30.2	-3.8	-45.1	0.59	0.00	-43.04
7,344.0	0.71	238.95	7,342.8	31.1	-4.2	-46.1	0.38	-0.10	-27.83
7,429.0	0.71	210.44	7,427.8	32.1	-4.9	-46.8	0.41	0.00	-33.54
7,514.0	0.80	192.24	7,512.8	33.2	-5.9	-47.2	0.30	0.11	-21.41
7,600.0	0.31	207.58	7,598.8	34.0	-6.7	-47.5	0.59	-0.57	17.84
7,631.0	0.22	204.84	7,629.8	34.1	-6.9	-47.5	0.29	-0.29	-8.84
7,727.0	0.49	217.05	7,725.8	34.7	-7.4	-47.9	0.29	0.28	12.72
7,814.0	0.80	212.25	7,812.8	35.7	-8.2	-48.4	0.36	0.36	-5.52
7,899.0	1.28	206.65	7,897.8	37.2	-9.5	-49.2	0.58	0.56	-6.59
7,984.0	1.02	178.67	7,982.8	38.7	-11.1	-49.6	0.72	-0.31	-32.92



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 1-33-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 33 T2S, R2E	<b>MD Reference:</b>	FD 1-33-2-2 @ 5149.0usft (CAPSTAR 330)
<b>Well:</b>	FD 1-33-2-2	<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)
8,070.0	1.02	179.24	8,068.8	39.9	-12.7	-49.5	0.01	0.00	0.66
8,155.0	1.02	167.65	8,153.8	41.0	-14.2	-49.4	0.24	0.00	-13.64
8,241.0	1.28	154.56	8,239.7	42.0	-15.8	-48.8	0.43	0.30	-15.22
8,326.0	1.81	150.38	8,324.7	42.9	-17.8	-47.7	0.64	0.62	-4.92
8,412.0	1.99	147.38	8,410.7	44.0	-20.2	-46.2	0.24	0.21	-3.49
8,496.0	1.59	141.87	8,494.6	44.8	-22.4	-44.7	0.52	-0.48	-6.56
8,581.0	1.90	137.64	8,579.6	45.4	-24.3	-43.1	0.39	0.36	-4.98
8,667.0	1.90	141.65	8,665.5	46.0	-26.5	-41.2	0.15	0.00	4.66
8,752.0	1.90	140.07	8,750.5	46.7	-28.7	-39.4	0.06	0.00	-1.86
8,839.0	1.99	138.48	8,837.4	47.3	-30.9	-37.5	0.12	0.10	-1.83
8,924.0	1.99	135.35	8,922.4	47.8	-33.1	-35.5	0.13	0.00	-3.68
9,010.0	1.90	139.14	9,008.3	48.3	-35.2	-33.5	0.18	-0.10	4.41
9,095.0	1.99	145.08	9,093.3	49.1	-37.5	-31.7	0.26	0.11	6.99
9,178.0	1.99	145.08	9,176.2	50.0	-39.9	-30.1	0.00	0.00	0.00

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

Sundry Number: 53738 API Well Number: 43047537640000

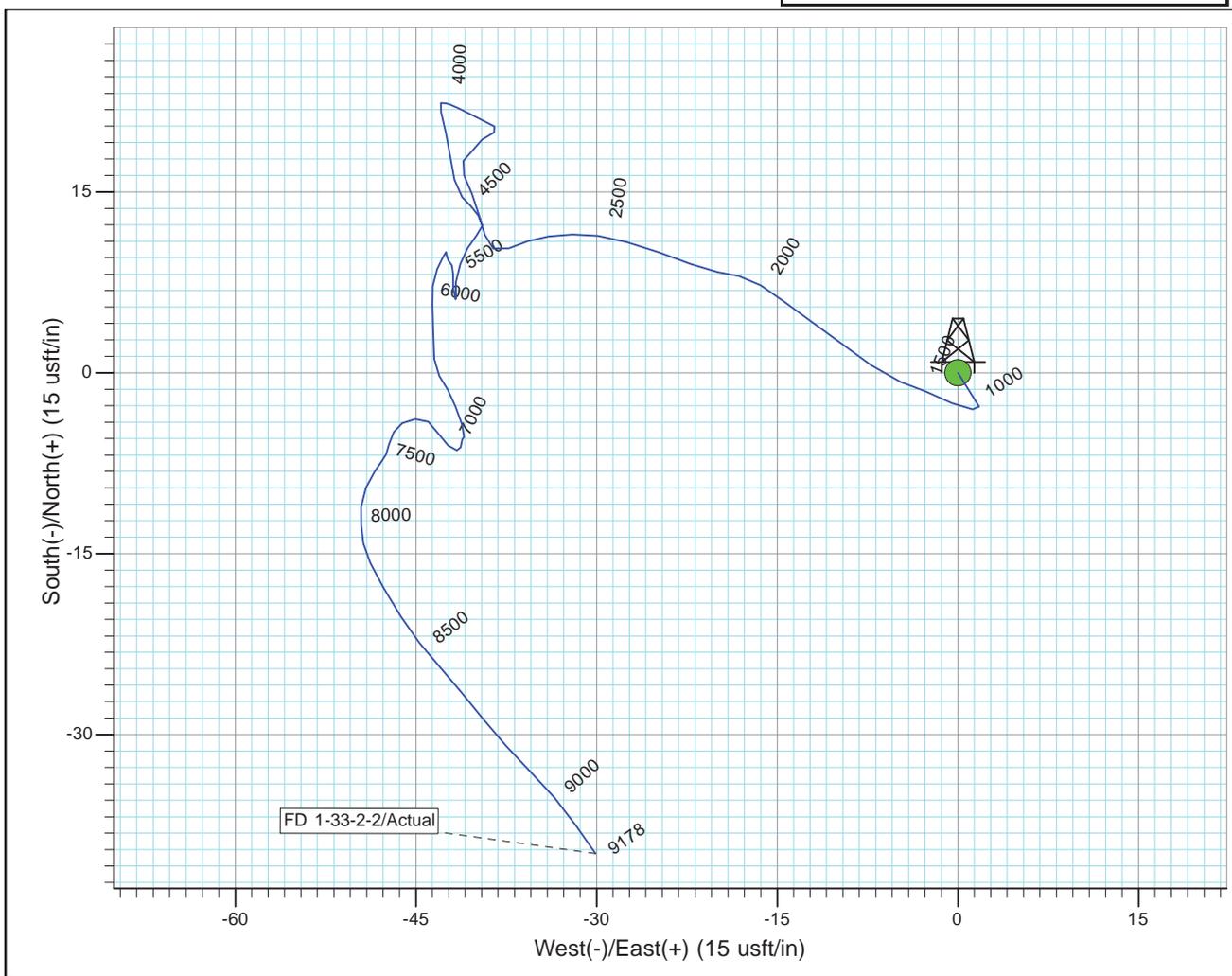
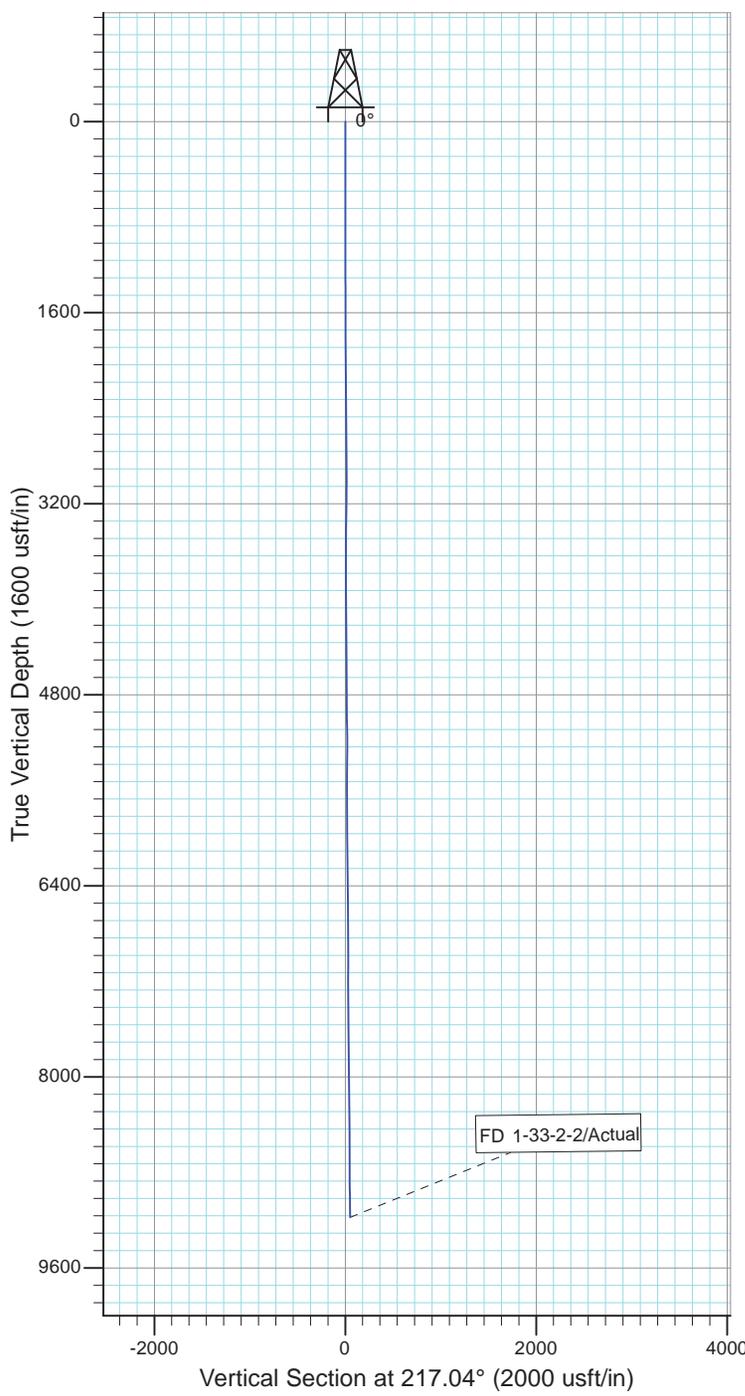


Project: Fort Duchesne  
Site: SECTION 33 T2S, R2E  
Well: FD 1-33-2-2  
Wellbore: Wellbore #1  
Design: Actual



Azimuths to True North  
Magnetic North: 10.85°

Magnetic Field  
Strength: 52147.5snT  
Dip Angle: 65.96°  
Date: 5/15/2014  
Model: IGRF2010



Design: Actual (FD 1-33-2-2/Wellbore #1)

Created By: *Matthew Linton* Date: 21:42, June 16 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>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.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047537640000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1070 FNL 0670 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 33 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/8/2014	<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: <input type="text" value="interim reclamation compete"/>

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

INTERIM RECLAMATION WAS COMPLETED ON 9/8/2014 AND THE PIT WAS CLOSED ON 9/8/2014 ALSO.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 January 09, 2015**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/6/2015	