

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 1-31-2-2					
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, FT 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 type="checkbox"/> (Submit Commingling Application) NO <input checked="" 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		845 FNL 845 FEL		NENE	31	2.0 S	2.0 E	U			
Top of Uppermost Producing Zone		845 FNL 845 FEL		NENE	31	2.0 S	2.0 E	U			
At Total Depth		845 FNL 845 FEL		NENE	31	2.0 S	2.0 E	U			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 845			23. NUMBER OF ACRES IN DRILLING UNIT 640					
27. ELEVATION - GROUND LEVEL 5046			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2416			26. PROPOSED DEPTH MD: 10031 TVD: 10031					
			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 - 10031	17.0	P-110 LT&C	9.5	Unknown		790	2.31	11.0
							Unknown		390	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 06/18/2013			EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047538780000			APPROVAL			 Permit Manager					

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

**FD 1-31-2-2**

NENE, 845' FNL and 845' FEL, Section 31, T2S-R2E, USB&M (surface hole)

NENE, 845' FNL and 845' FEL, Section 31, 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**

<b><u>Formation</u></b>	<b><u>Depth – MD/TVD</u></b>
Green River	5176
Mahogany	6391'
TGR3*	7713
Douglas Creek	7904
Black Shale	8456
Castle Peak	8564
Uteland Butte	8749
Wasatch*	9231
TD	10031

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

Base of Useable Water = 4513'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
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.	

\*See Appendix A

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	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 1-31-2-2  
 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: 790 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,000' Tail: 390 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 @ 7956'

### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<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 4955 psi\* and maximum anticipated surface pressure equals approximately 2748 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 1-31-2-2  
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: DEC 2013  
Spud: DEC 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 1-31-2-2](#)

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

# SK's Tail:	210
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### Production Hole Data:

Total Depth:	10,031'
Top of Cement:	1,000'
Top of Tail:	7,956'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1807.7	ft <sup>3</sup>
Lead Fill:	6,956'	
Tail Volume:	539.3	ft <sup>3</sup>
Tail Fill:	2,075'	

### 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:	790
# SK's Tail:	390

<b>FD 1-31-2-2 Proposed Cementing Program</b>
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<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 - (7956' - 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: 6,956'
	Volume: 321.95 bbl
	<b>Proposed Sacks: 790 sks</b>
<b>Tail Cement - (10031' - 7956')</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: 7,956'
	Calculated Fill: 2,075'
	Volume: 96.05 bbl
	<b>Proposed Sacks: 390 sks</b>

**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

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

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

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

**C. Testing Procedure:**

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

**D. Choke Manifold Equipment:**

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

**E. Accumulator:**

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

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

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

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

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

**F. Miscellaneous Information:**

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

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

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

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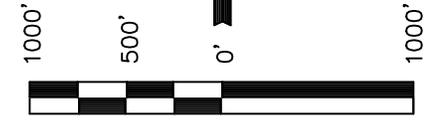
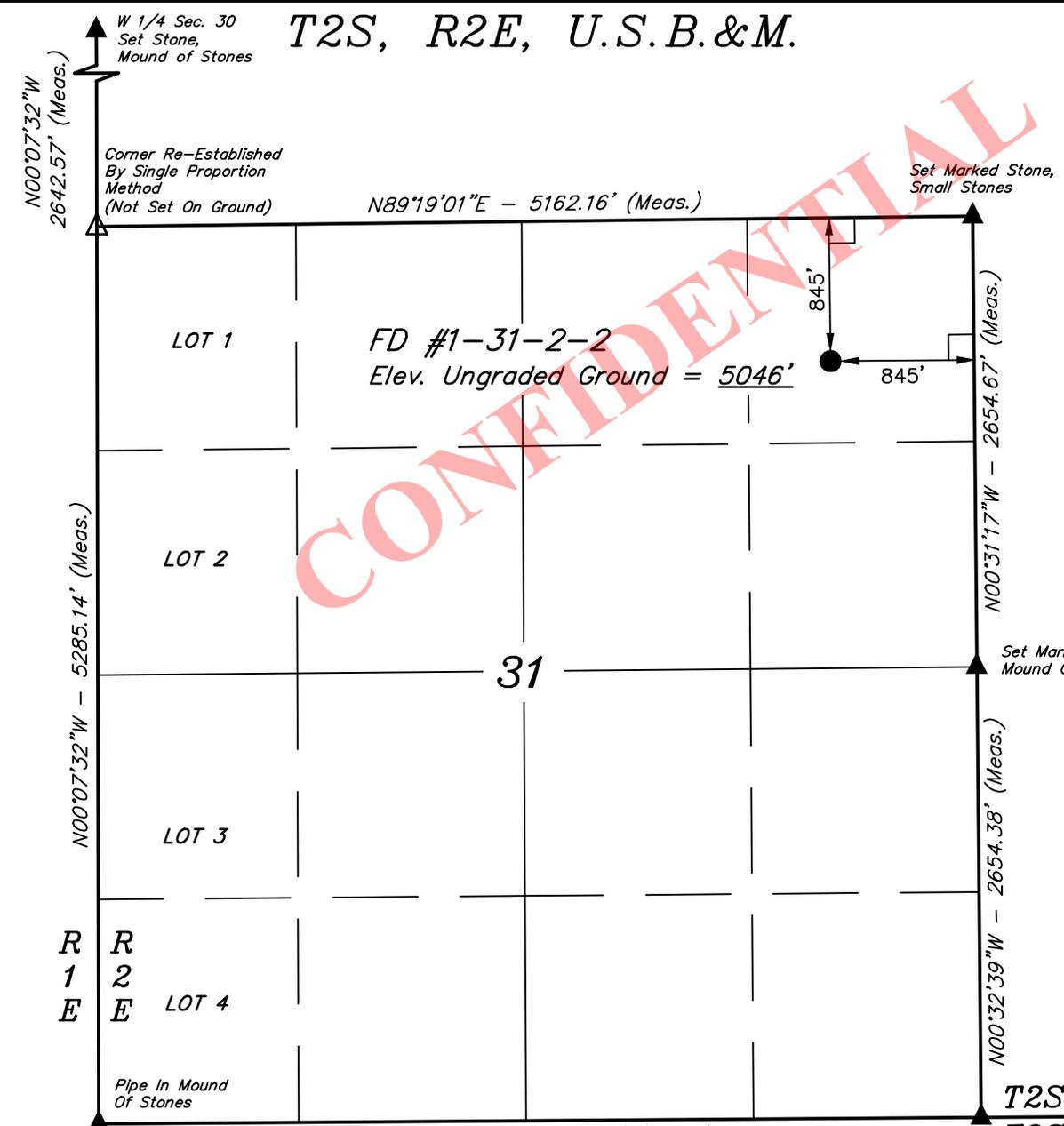
Well location, FD #1-31-2-2, located as shown in the NE 1/4 NE 1/4 of Section 31, T2S, R2E, U.S.B.&M., Uintah County, Utah.

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.



SCALE  
CERTIFICATE

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

ROBERT KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

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

SCALE 1" = 1000'	DATE SURVEYED: 04-01-13	DATE DRAWN: 04-02-13
PARTY C.R. A.W. K.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

RECEIVED: June 18, 2013

# BILL BARRETT CORPORATION

## FD #1-31-2-2

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T2S, R2E, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -



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

LOCATION PHOTOS

04 03 13  
MONTH DAY YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: S.O.

REVISED: 00-00-00

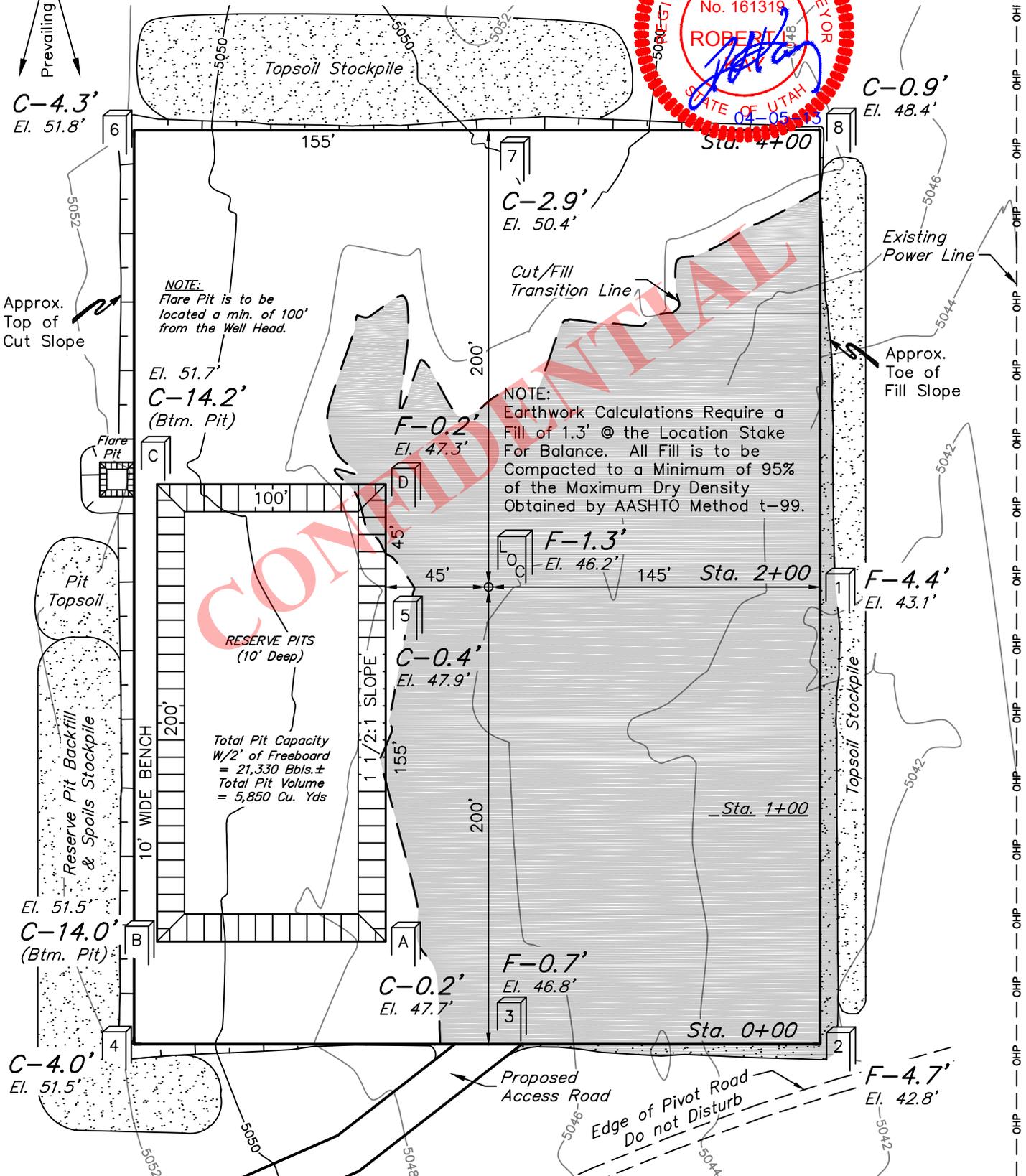
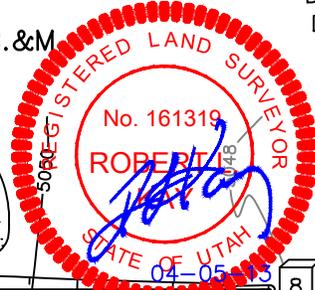
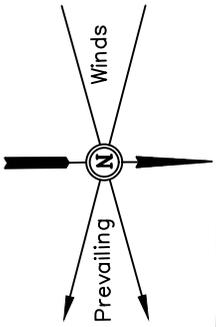
**BILL BARRETT CORPORATION**

LOCATION LAYOUT FOR

FD #1-31-2-2  
SECTION 31, T2S, R2E, U.S.B.&M  
845' FNL 845' FEL

**FIGURE #1**

SCALE: 1" = 60'  
DATE: 04-02-13  
DRAWN BY: K.O.



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

**NOTE:**  
Earthwork Calculations Require a Fill of 1.3' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

Elev. Ungraded Ground At Loc. Stake = 5046.2'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5047.5'

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

RECEIVED: June 18, 2013

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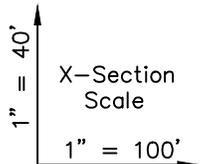
**TYPICAL CROSS SECTIONS FOR**

FD #1-31-2-2

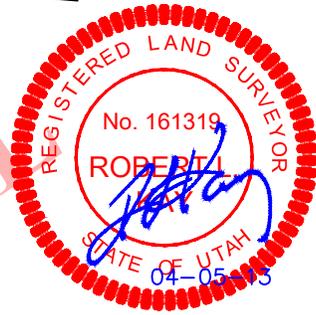
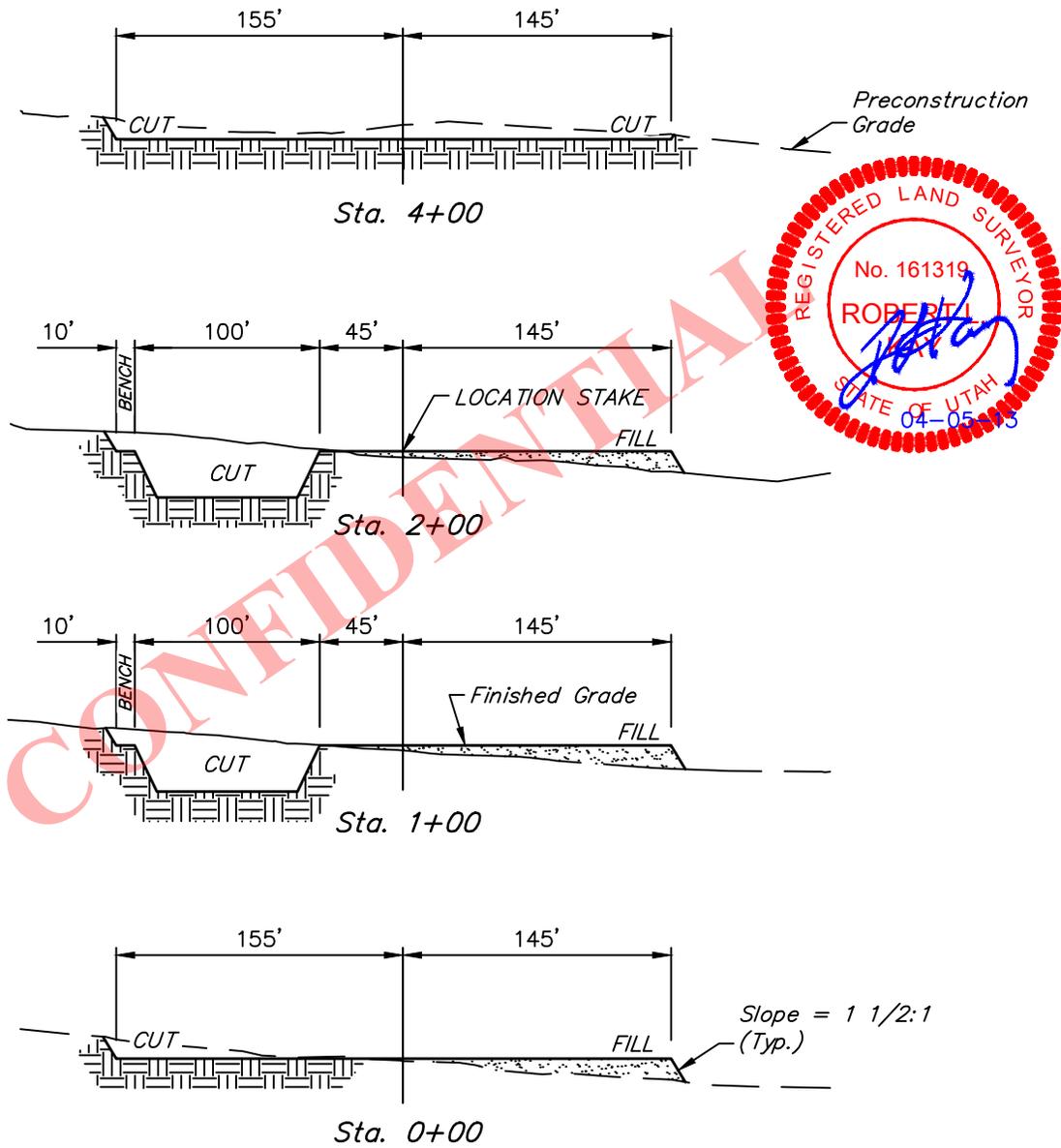
SECTION 31, T2S, R2E, U.S.B.&M.

845' FNL 845' FEL

**FIGURE #2**



DATE: 04-02-13  
DRAWN BY: K.O.



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**NOTE:**

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 4.539 ACRES
ACCESS ROAD DISTURBANCE	= ± 0.359 ACRES
PIPELINE DISTURBANCE	= ± 0.426 ACRES
<b>TOTAL</b>	<b>= ± 5.324 ACRES</b>

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 2,360 Cu. Yds.
Remaining Location	= 9,340 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 11,700 CU. YDS.</b>
<b>FILL</b>	<b>= 6,410 CU. YDS.</b>

EXCESS MATERIAL	= 5,290 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,290 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

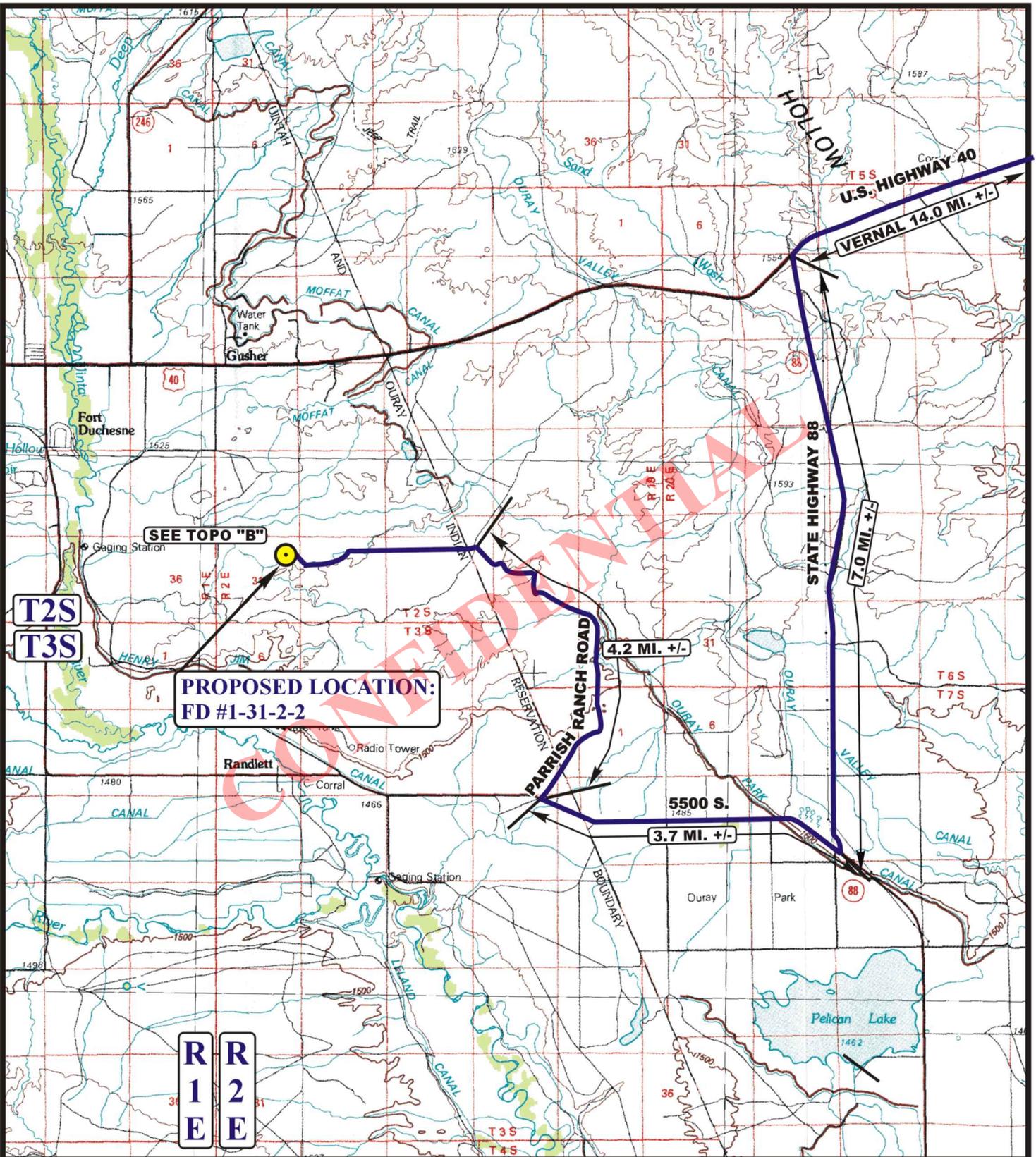
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**FD #1-31-2-2**  
**SECTION 31, T2S, R2E, U.S.B.&M.**

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 BEGINNING OF THE PROPOSED ACCESS FOR THE FD #3-33-2-2 TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 3,435' TO THE PROPOSED LOCATION AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE FD #3-32-2-2 TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 4,560' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE #3-31-2-2 TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3,982' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 563' TO THE PROPOSED WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 31.3 MILES.



**LEGEND:**

 PROPOSED LOCATION



**BILL BARRETT CORPORATION**

FD #1-31-2-2  
SECTION 31, T2S, R2E, U.S.B.&M.  
845' FNL 845' FEL



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

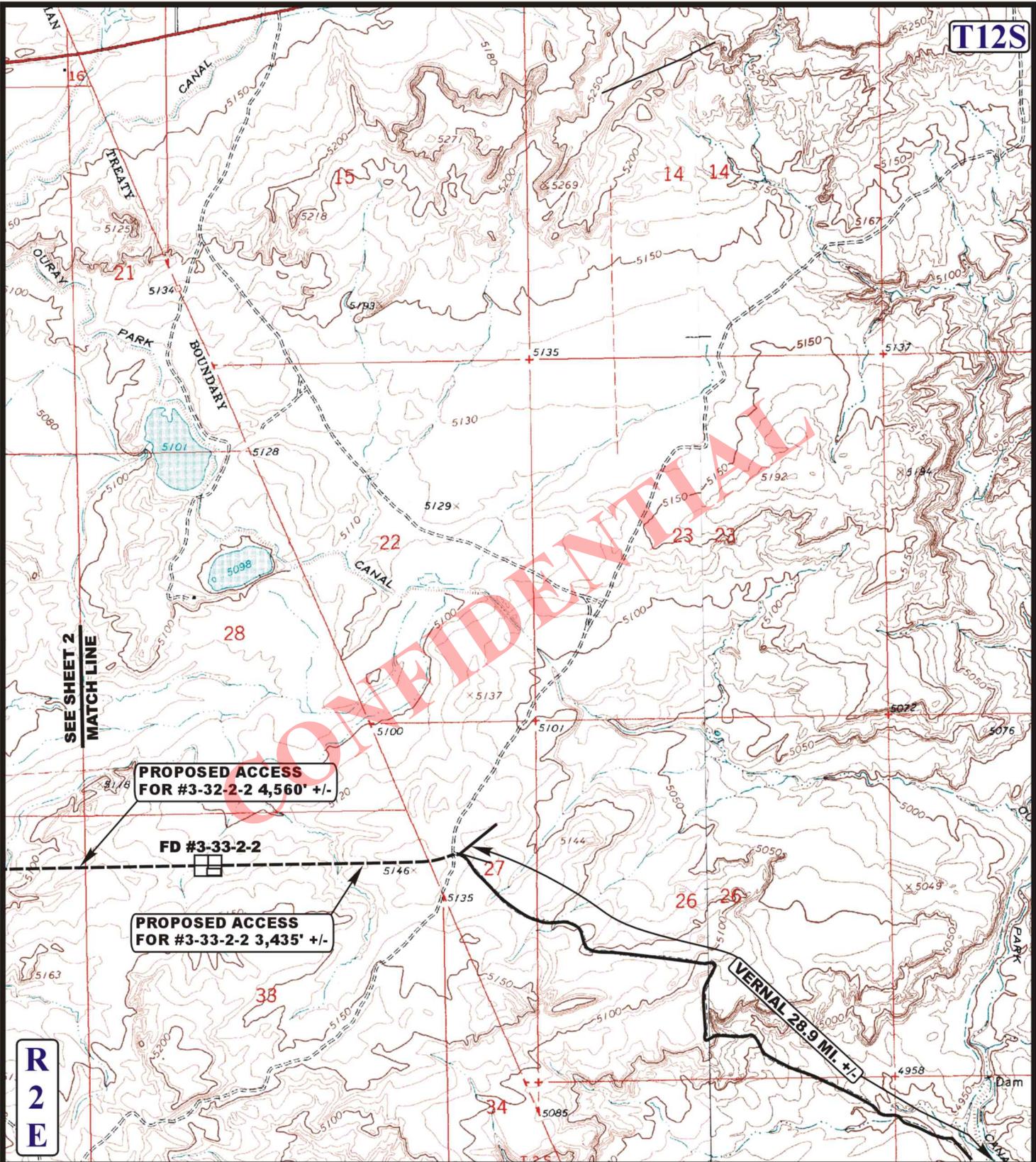
**ACCESS ROAD  
MAP**

<b>04</b>	<b>03</b>	<b>13</b>
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: S.O. REVISED: 00-00-00



T12S



SEE SHEET 2  
MATCH LINE

PROPOSED ACCESS  
FOR #3-32-2-2 4,560' +/-

FD #3-33-2-2

PROPOSED ACCESS  
FOR #3-33-2-2 3,435' +/-

R  
2  
E

VERNAL 28.9 MI. +/-

LEGEND:

————— EXISTING ROAD



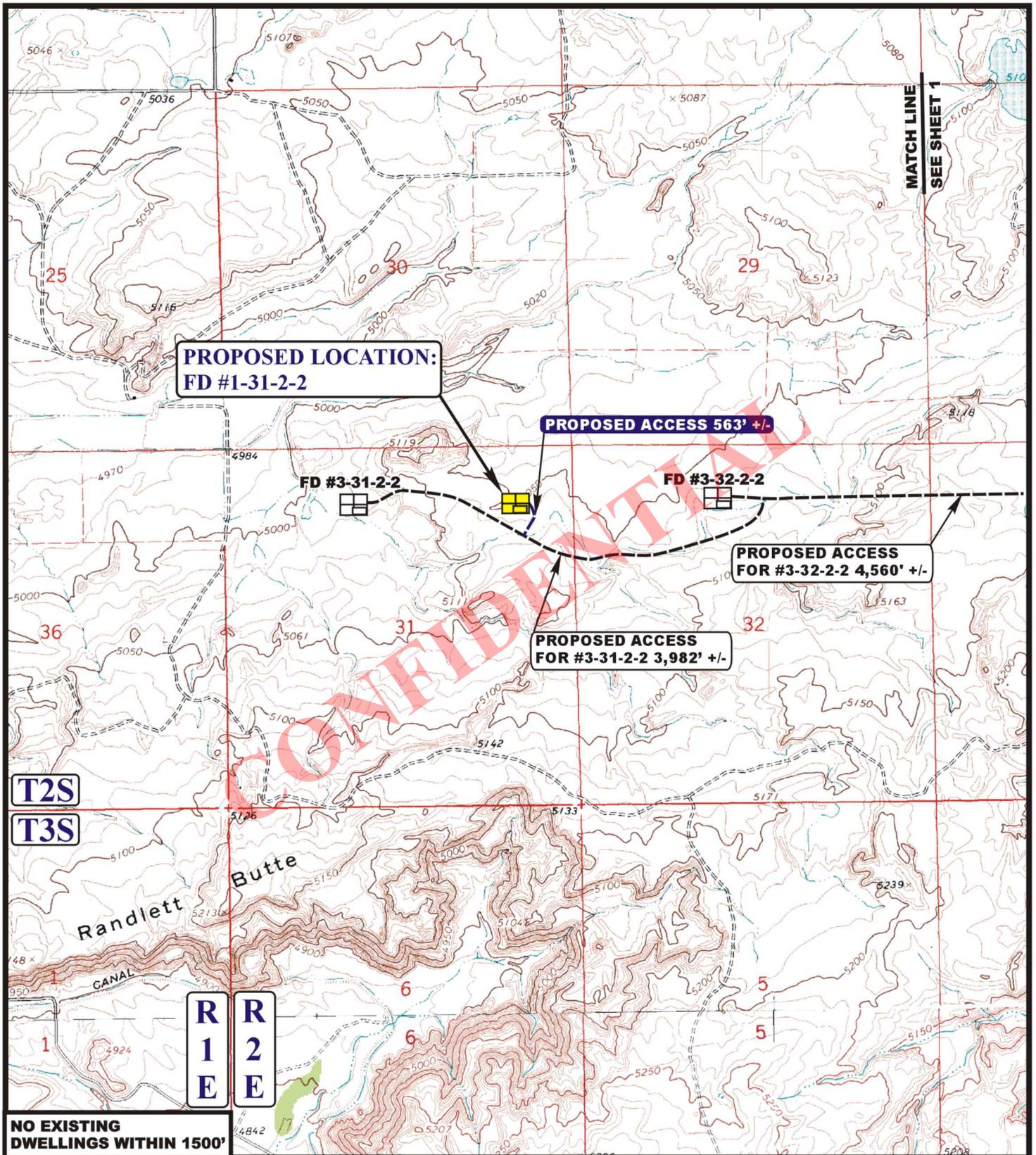
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FD #1-31-2-2  
SECTION 31, T2S, R2E, U.S.B.&M.  
845' FNL 845' FEL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
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ACCESS ROAD MAP	04	03	13	B1 TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: S.O.		REVISED: 00-00-00	



**T2S**  
**T3S**

**R**  
**1**  
**E**

**R**  
**2**  
**E**

**NO EXISTING DWELLINGS WITHIN 1500'**

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



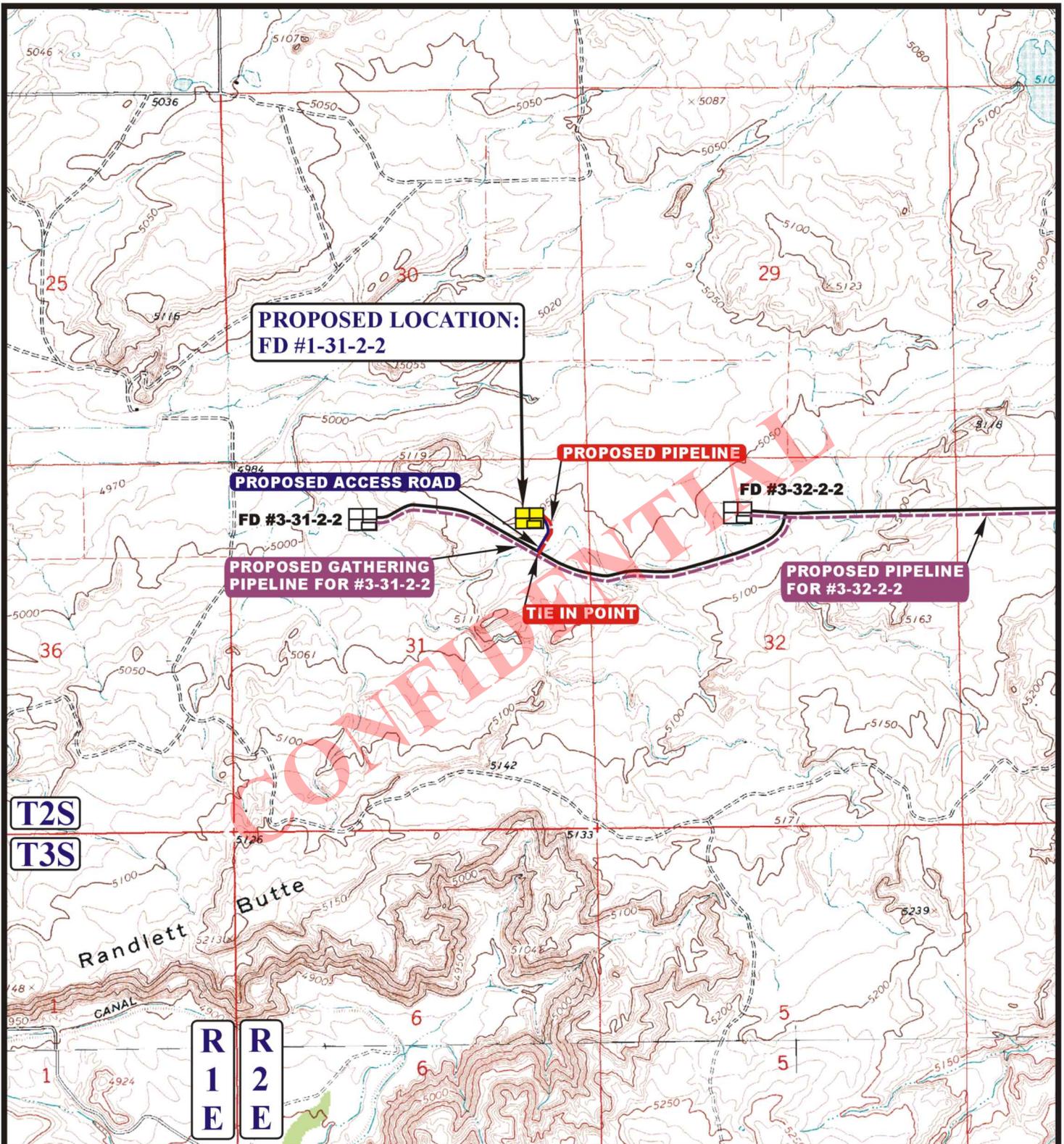
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**U&L S**  
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD MAP**  
 04 03 13  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: S.O. REVISED: 00-00-00

**B2**  
**TOPO**



**APPROXIMATE TOTAL PIPELINE DISTANCE = 657' +/-**

**LEGEND:**

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



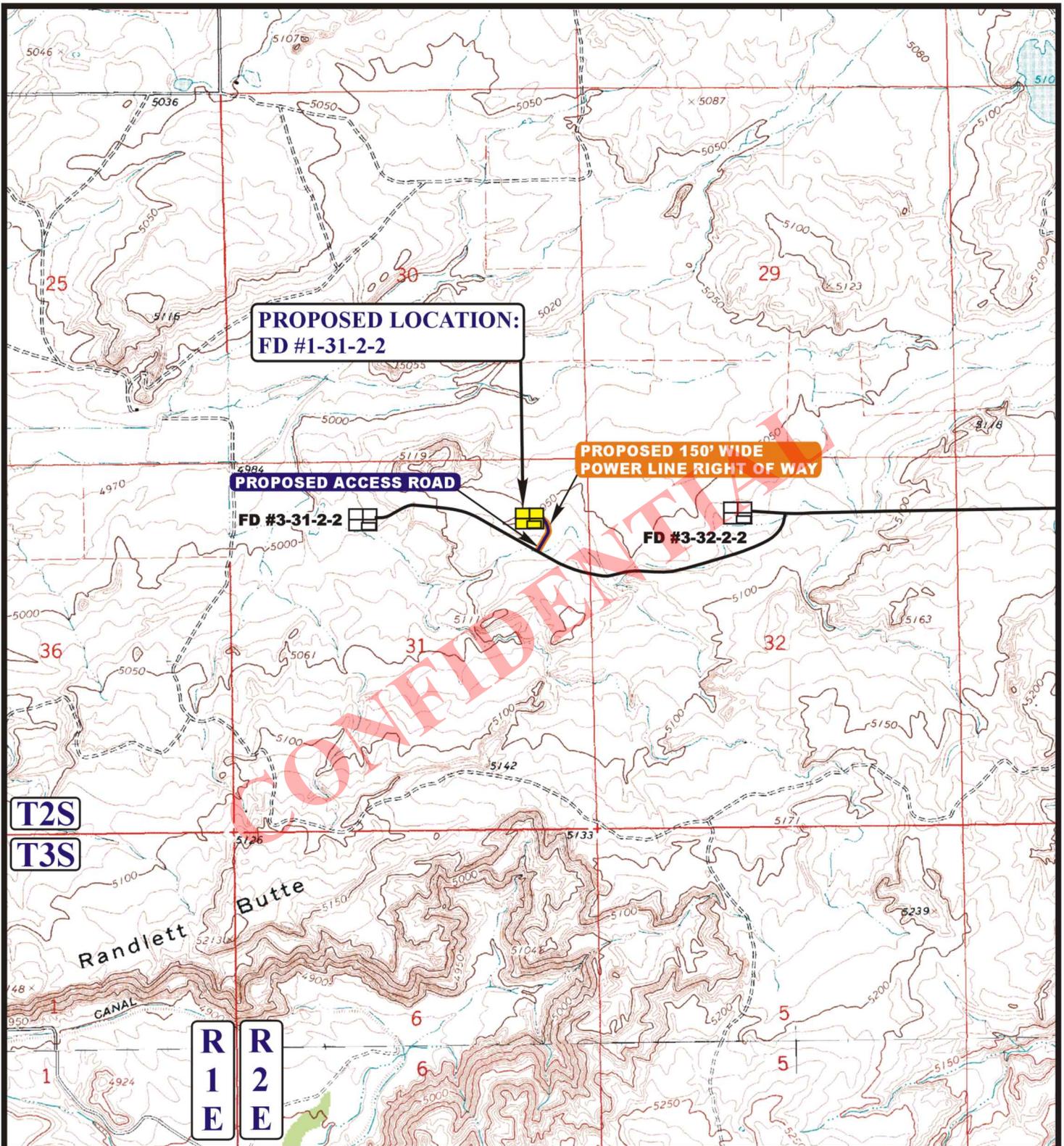
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**SECTION 31, T2S, R2E, U.S.B.&M.**  
**845' FNL 845' FEL**



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 85 South 200 East Vernal, Utah 84078  
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<b>TOPOGRAPHIC MAP</b>	<b>04</b>	<b>03</b>	<b>13</b>	<b>C TOPO</b>
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: S.O.		REVISED: 00-00-00	



APPROXIMATE TOTAL POWER LINE DISTANCE = 563' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  PROPOSED POWER LINE

**BILL BARRETT CORPORATION**

FD #1-31-2-2  
SECTION 31, T2S, R2E, U.S.B.&M.  
845' FNL 845' FEL



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<b>TOPOGRAPHIC MAP</b>	<b>04</b>	<b>03</b>	<b>13</b>	<b>D TOPO</b>
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: S.O.		REVISED: 00-00-00	

## SURFACE USE AGREEMENT (FD 1-31-2-2)

**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 **E/2NE/4 of Section 31, 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.

ADDITIONAL PROVISIONS:

**SURFACE OWNERS:**

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

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

STATE of Utah ACKNOWLEDGEMENT

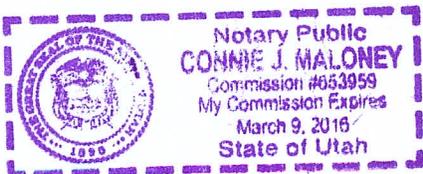
COUNTY of Uintah

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 17<sup>th</sup> 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 Maloney  
Notary Public:



SW Cor Sec. 31  
Corner Re-Established  
By Single Proportion  
Method (Set On Ground)

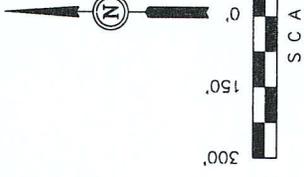
N89°19'01"E - 5162.16' (Meas.)

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NE 1/4 NE 1/4 OF SECTION 31, T2S, R2E, U.S.B.&M., WHICH BEARS S34°29'10"W 1080.03' FROM THE NORTHEAST CORNER OF SAID SECTION 31, THENCE S02°09'23"W 24.46'; THENCE S30°33'36"E 72.41'; THENCE S00°23'38"W 77.90'; THENCE S48°54'22"W 36.57'; THENCE N89°52'45"W 233.16'; THENCE N79°20'36"W 282.17'; THENCE N00°40'53"E 157.99'; THENCE N16°44'52"E 214.00'; THENCE S89°33'34"E 414.79'; THENCE S18°04'35"E 94.59'; THENCE S02°09'23"W 133.73' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.539 ACRES MORE OR LESS.

**BILL BARRETT CORPORATION**  
**LOCATION SURFACE USE AREA**  
**& ROAD RIGHT-OF-WAY ON**  
**FEE LANDS**  
*(For FD #1-31-2-2)*

LOCATED IN  
SECTION 31, T2S, R2E, U.S.B.&M.,  
UINTAH COUNTY, UTAH



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

LINE	DIRECTION	LENGTH
L1	N30°00'14"E	330.31'
L2	N00°47'39"E	91.35'
L3	N23°20'27"W	53.62'
L4	N37°32'15"W	35.41'
L5	N37°32'15"W	42.38'
L6	S02°09'23"W	24.46'
L7	S30°33'36"E	72.41'
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L16	S02°09'23"W	133.73'

**ROAD RIGHT-OF-WAY DESCRIPTION**

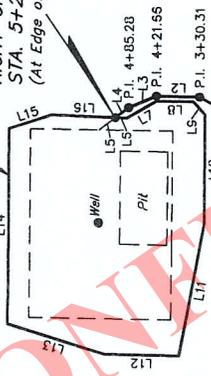
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NE 1/4 OF SECTION 31, T2S, R2E, U.S.B.&M., WHICH BEARS N30°08'58"W 1503.90' FROM THE EAST 1/4 CORNER OF SAID SECTION 31, THENCE N30°00'14"E 330.31'; THENCE N00°47'39"E 91.35'; THENCE N23°20'27"W 53.62'; THENCE N37°32'15"W 35.41' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 31 WHICH BEARS S34°29'10"W 1080.03' FROM THE NORTHEAST CORNER OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.359 ACRES MORE OR LESS.

*Vernon B. Richens ET UX*

**SURFACE USE AREA**  
**FD #1-31-2-2**  
Contains 4.539 Acres

**END OF PROPOSED ROAD RIGHT-OF-WAY STA. 5+20.69**  
(At Edge of Surface Use Area)



**BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00**  
(At Existing Road)

*Vernon B. Richens ET UX*

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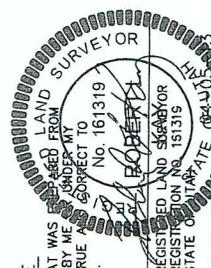
N00°31'17"W - 2654.67' (Meas.)

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. RICHENS ET UX	520.69	0.359	31.56

▲ = SECTION CORNERS LOCATED.

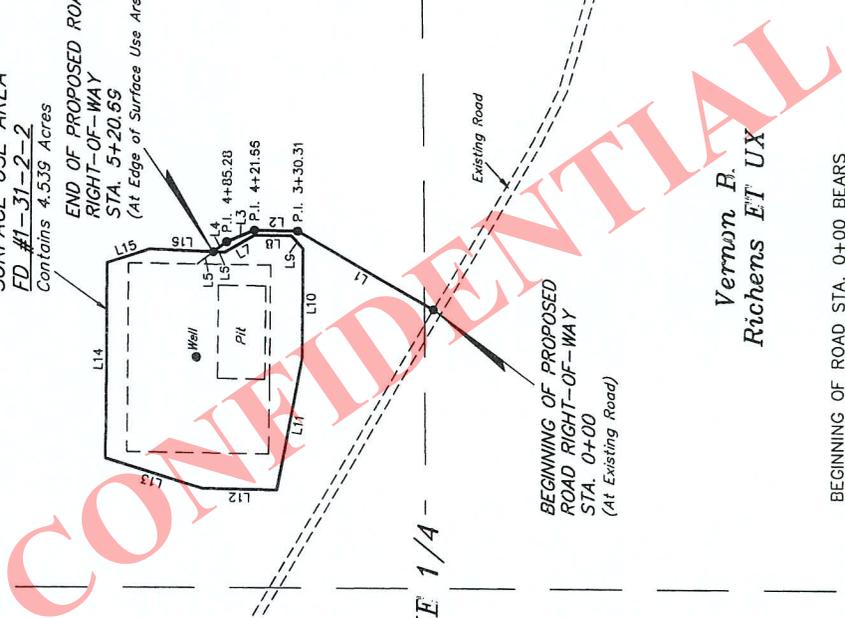
**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE 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.



**UTAH ENGINEERING & LAND SURVEYING**  
36 SOUTH - 200 EAST • (435) 739-1917  
VERNAL, UTAH - 844078

SCALE	DATE
1" = 300'	04-02-13
PARTY	REFERENCES
C.R. A.W. K.O.	G.L.O. PLAT
WEATHER	FILE
COLD	54008



SW Cor Sec. 31  
Corner Re-Established  
By Single Proportion  
Method (Set On Ground)

N89°19'01"E - 5162.16' (Meas.)

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NW 1/4

1/16 Section Line

NE 1/4

1/16 Section Line

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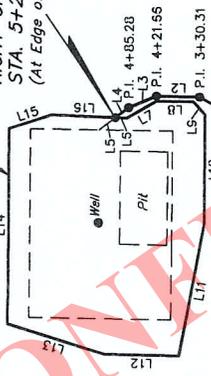
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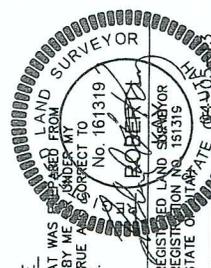
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**ROAD RIGHT-OF-WAY DESCRIPTION**

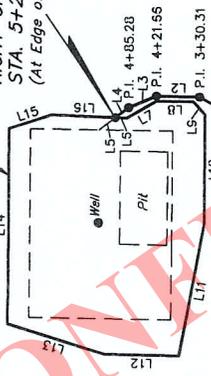
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NE 1/4 OF SECTION 31, T2S, R2E, U.S.B.&M., WHICH BEARS N30°08'58"W 1503.90' FROM THE EAST 1/4 CORNER OF SAID SECTION 31, THENCE N30°00'14"E 330.31'; THENCE N00°47'39"E 91.35'; THENCE N23°20'27"W 53.62'; THENCE N37°32'15"W 35.41' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 31 WHICH BEARS S34°29'10"W 1080.03' FROM THE NORTHEAST CORNER OF SAID SECTION 31. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.359 ACRES MORE OR LESS.

*Vernon B. Richens ET UX*

**SURFACE USE AREA**  
**FD #1-31-2-2**  
Contains 4.539 Acres

**END OF PROPOSED ROAD RIGHT-OF-WAY STA. 5+20.69**  
(At Edge of Surface Use Area)



**BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00**  
(At Existing Road)

*Vernon B. Richens ET UX*

BEGINNING OF ROAD STA. 0+00 BEARS N30°08'58"W 1503.90' FROM THE EAST 1/4 CORNER OF SECTION 31, T2S, R2E, U.S.B.&M.  
END OF ROAD STA. 5+20.69 BEARS S34°29'10"W 1080.03' FROM THE NORTHEAST CORNER OF SECTION 31, T2S, R2E, U.S.B.&M.

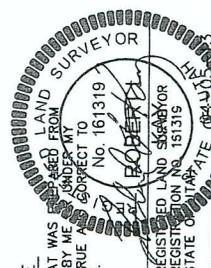
N00°31'17"W - 2654.67' (Meas.)

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. RICHENS ET UX	520.69	0.359	31.56

▲ = SECTION CORNERS LOCATED.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE 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.



**UTAH ENGINEERING & LAND SURVEYING**  
36 SOUTH - 200 EAST • (435) 739-1917  
VERNAL, UTAH - 844078

SCALE	DATE
1" = 300'	04-02-13
PARTY	REFERENCES
C.R. A.W. K.O.	G.L.O. PLAT
WEATHER	FILE
COLD	54008

SW Cor Sec. 31  
Corner Re-Established  
By Single Proportion  
Method (Set On Ground)

N89°19'01"E - 5162.16' (Meas.)

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NE 1/4 NE 1/4 OF SECTION 31, T2S, R2E, U.S.B.&M., WHICH BEARS S34°29'10"W 1080.03' FROM THE NORTHEAST CORNER OF SAID SECTION 31, THENCE S02°09'23"W 24.46'; THENCE S30°33'36"E 72.41'; THENCE S00°23'38"W 77.90'; THENCE S48°54'22"W 36.57'; THENCE N89°52'45"W 233.16'; THENCE N79°20'36"W 282.17'; THENCE N00°40'53"E 157.99'; THENCE N16°44'52"E 214.00'; THENCE S89°33'34"E 414.79'; THENCE S18°04'35"E 94.59'; THENCE S02°09'23"W 133.73' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.539 ACRES MORE OR LESS.

NW 1/4

1/16 Section Line

NE 1/4

1/16 Section Line

LINE	DIRECTION	LENGTH
L1	N30°00'14"E	330.31'
L2	N00°47'39"E	91.35'
L3	N23°20'27"W	53.62'
L4	N37°32'15"W	35.41'
L5	N37°32'15"W	42.38'
L6	S02°09'23"W	24.46'
L7	S30°33'36"E	72.41'
L8	S00°23'38"W	77.90'
L9	S48°54'22"W	36.57'
L10	N89°52'45"W	233.16'
L11	N79°20'36"W	282.17'
L12	N00°40'53"E	157.99'
L13	N16°44'52"E	214.00'
L14	S89°33'34"E	414.79'
L15	S18°04'35"E	94.59'
L16	S02°09'23"W	133.73'

**ROAD RIGHT-OF-WAY DESCRIPTION**

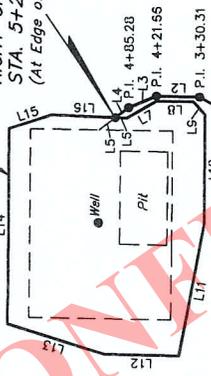
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*Vernon B. Richens ET UX*

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**FD #1-31-2-2**  
Contains 4.539 Acres

**END OF PROPOSED ROAD RIGHT-OF-WAY STA. 5+20.69**  
(At Edge of Surface Use Area)



**BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00**  
(At Existing Road)

*Vernon B. Richens ET UX*

BEGINNING OF ROAD STA. 0+00 BEARS N30°08'58"W 1503.90' FROM THE EAST 1/4 CORNER OF SECTION 31, T2S, R2E, U.S.B.&M.  
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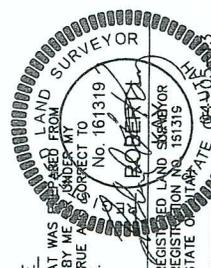
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RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. RICHENS ET UX	520.69	0.359	31.56

▲ = SECTION CORNERS LOCATED.

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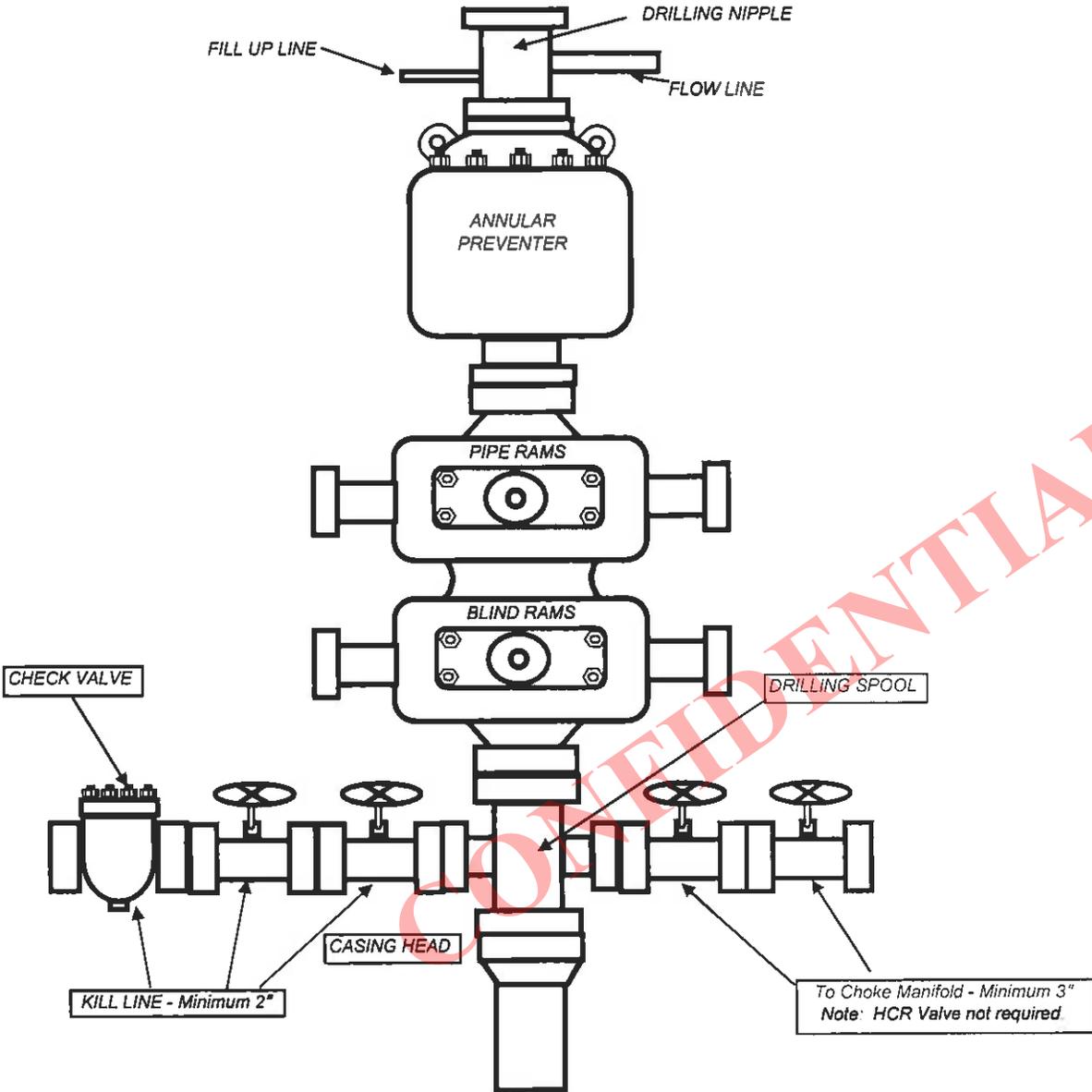


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VERNAL, UTAH - 844078

SCALE
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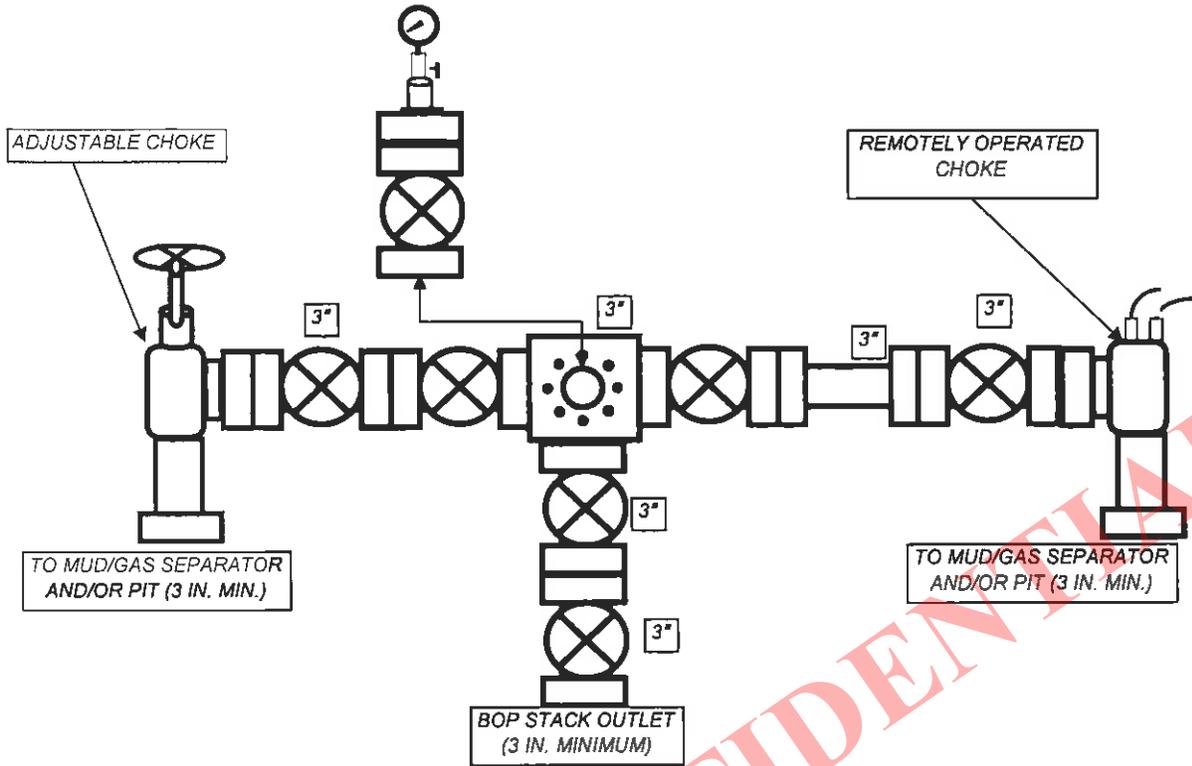
# BILL BARRETT CORPORATION

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

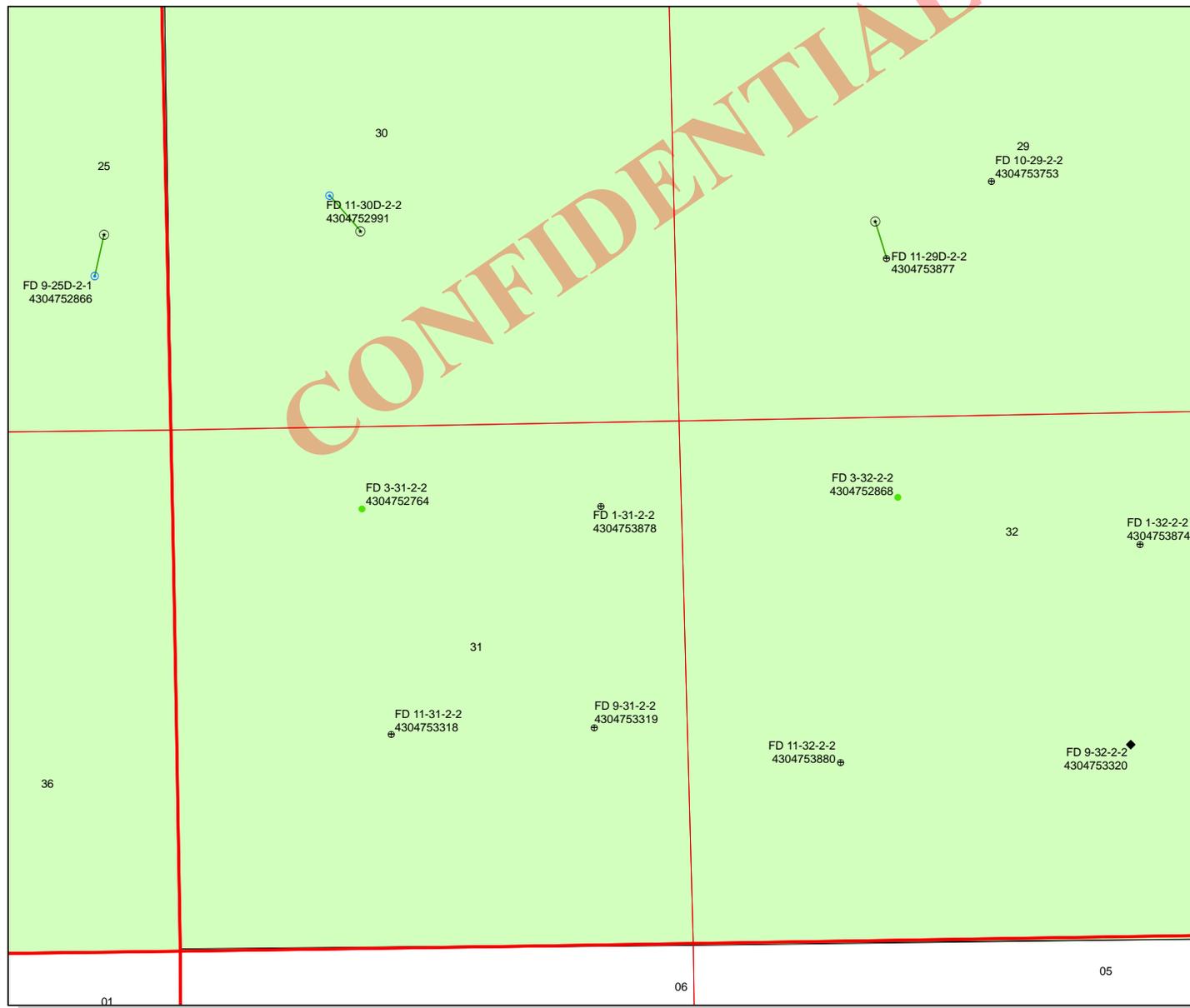


# BILL BARRETT CORPORATION

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



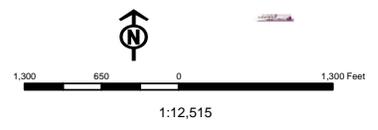
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**API Number: 4304753878**  
**Well Name: FD 1-31-2-2**  
**Township T02.0S Range R02.0E Section 31**  
**Meridian: UBM**  
**Operator: BILL BARRETT CORP**

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 1-31-2-2 43047538780000

Well Name	BILL BARRETT CORP FD 1-31-2-2 43047538780000			
String	COND	SURF	PROD	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	80	1500	10031	
Previous Shoe Setting Depth (TVD)	0	80	1500	
Max Mud Weight (ppg)	8.7	9.4	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4955		9.5	

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

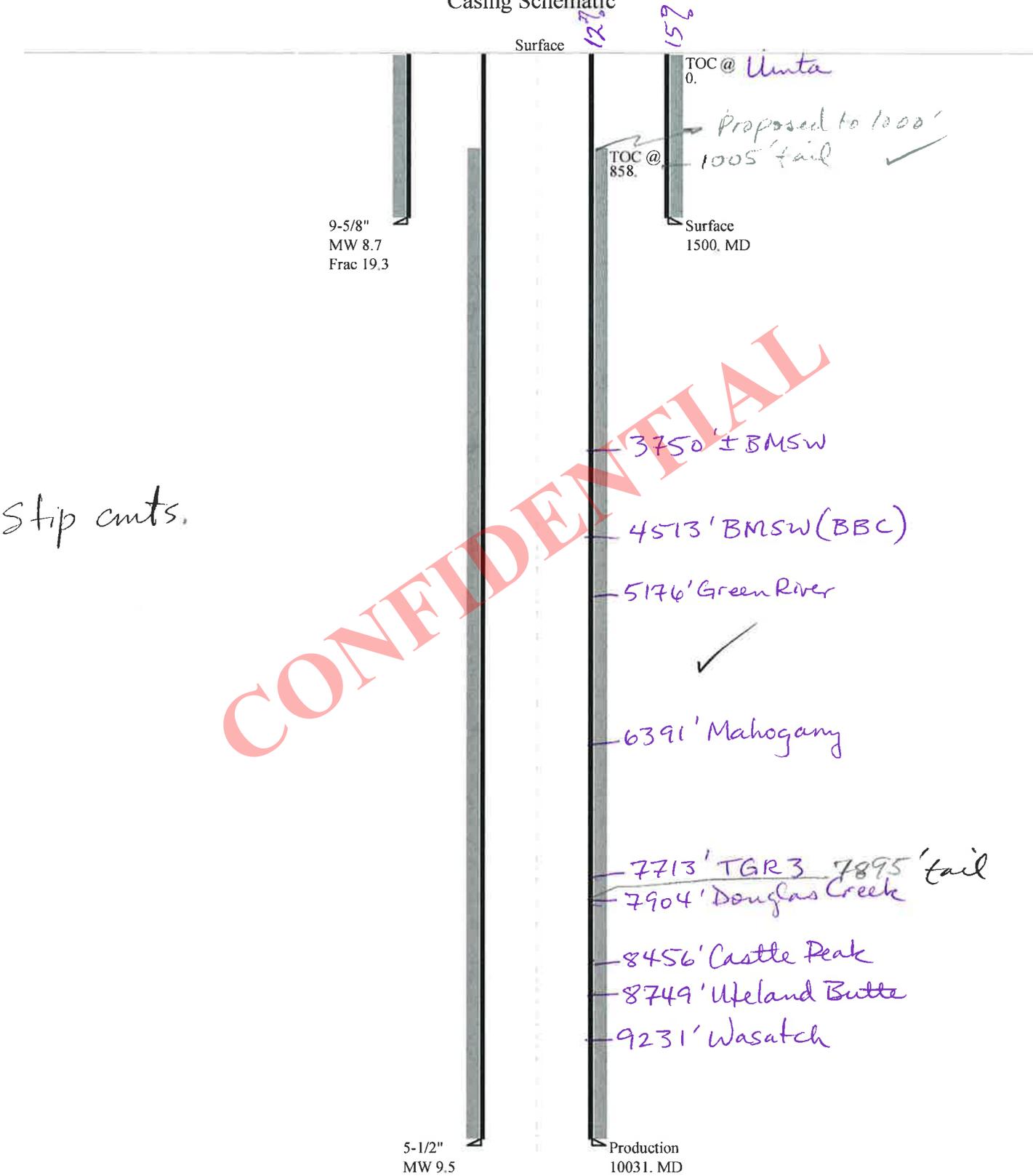
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	733	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	553	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	403	YES OK
			*Can Full Expected Pressure Be Held At Previous 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=	4955	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3751	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2748	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3078	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

# 43047538780000 FD 1-31-2-2

## Casing Schematic



Strip cmts.

CONFIDENTIAL

Well name:	<b>43047538780000 FD 1-31-2-2</b>		
Operator:	<b>BILL BARRETT CORP</b>	Project ID:	43-047-53878
String type:	Surface		
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

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

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

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

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: 10,031 ft  
 Next mud weight: 9.500 ppg  
 Next setting BHP: 4,950 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	8.37 J

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

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

Date: August 6, 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>43047538780000 FD 1-31-2-2</b>		
Operator:	<b>BILL BARRETT CORP</b>		Project ID:
String type:	Production		43-047-53878
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 2,744 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 4,950 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 8,586 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 214 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 858 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10031	5.5	17.00	P-110	LT&C	10031	10031	4.767	66072
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	4950	7480	1.511	4950	10640	2.15	170.5	445	2.61 J

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

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

Date: August 6, 2013  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10031 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****Berm Required? Y**  
permeable soil**Erosion Sedimentation Control Required? N****Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N****Reserve Pit**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	25 to 75	15
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	High permeability	20
<b>Fluid Type</b>	TDS>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>	50    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**6/26/2013  
**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
8204	43047538780000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	Vernon Richens	
<b>Well Name</b>	FD 1-31-2-2		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NENE 31 2S 2E U 845 FNL (UTM) 601535E 4458482N		845 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 3,750'. A search of Division of Water Rights records shows 5 water wells within a 10,000 foot radius of the center of Section 31. The wells are 60-400 feet in depth with listed uses as domestic, irrigation and stock watering. The wells probably produce water from near-surface alluvium and the Uinta Formation. 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.

There is a large power transmission line and a large pivot irrigated farm field directly to the north of this location. According to Jake Woodland of BBC the location is staked outside of the power line right of way. The north east corner (2) of the pad must be rounded if needed to avoid encroaching onto the irrigated field.

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. Minor drainage diversions will be needed for this location but it appears to be a good site for this well.

Richard Powell  
Onsite Evaluator

6/26/2013  
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	North east corner of pad must be rounded as needed to avoid encroaching on to the irrigated farm field.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/18/2013

API NO. ASSIGNED: 43047538780000

WELL NAME: FD 1-31-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NENE 31 020S 020E

Permit Tech Review: 

SURFACE: 0845 FNL 0845 FEL

Engineering Review: 

BOTTOM: 0845 FNL 0845 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.27066

LONGITUDE: -109.80579

UTM SURF EASTINGS: 601535.00

NORTHINGS: 4458482.00

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 139-106

Effective Date: 11/14/2013

Siting: 660' Fr Drlg U Bdry &amp; 990' Fr Other Wells

 R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 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. HAZA  
Division Director

## Permit To Drill

\*\*\*\*\*

**Well Name:** FD 1-31-2-2  
**API Well Number:** 43047538780000  
**Lease Number:** fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 12/9/2013

**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 139-106. 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

**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:**



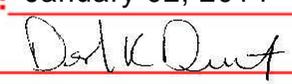
For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	8. WELL NAME and NUMBER: FD 1-31-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0845 FNL 0845 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 31 Township: 02.0S Range: 02.0E Meridian: U	9. API NUMBER: 43047538780000
PHONE NUMBER: 303 312-8134 Ext	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: 12/23/2013	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="revised pad layout"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Attached are revised plats that reflect onsite changes, rounding corner #2. Please contact Brady Riley at 303-312-8115 with questions.

**Approved by the Utah Division of Oil, Gas and Mining**  
  
**Date:** January 02, 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> 12/23/2013	

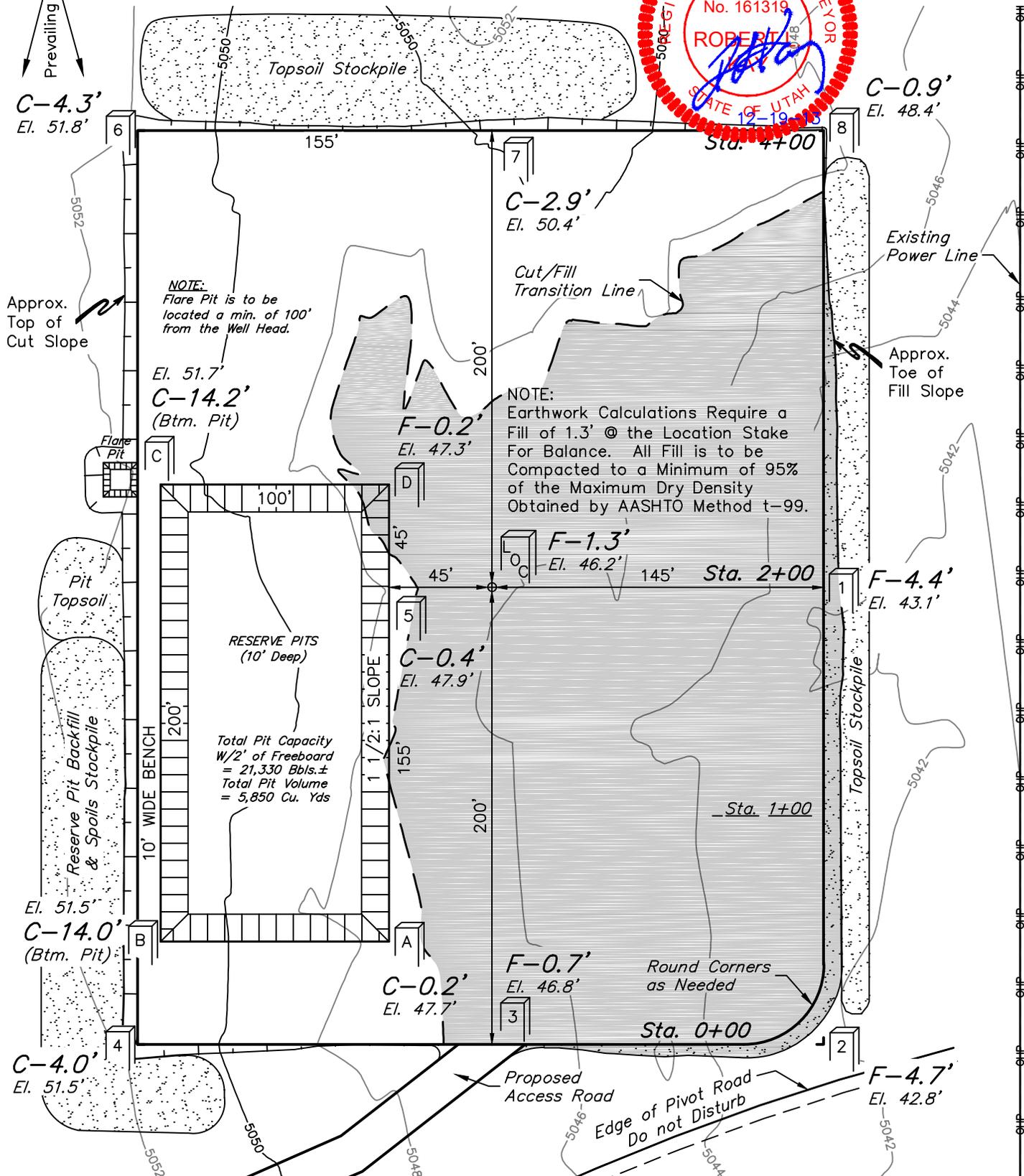
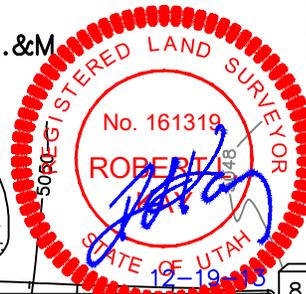
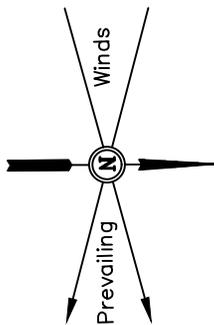
# BILL BARRETT CORPORATION

## LOCATION LAYOUT FOR

FD #1-31-2-2  
SECTION 31, T2S, R2E, U.S.B.&M  
845' FNL 845' FEL

**FIGURE #1**

SCALE: 1" = 60'  
DATE: 04-02-13  
DRAWN BY: K.O.  
REV: 12-19-13 M.L.



Elev. Ungraded Ground At Loc. Stake = 5046.2'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5047.5'

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

**BILL BARRETT CORPORATION**

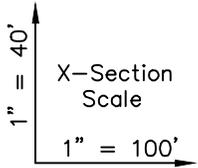
**TYPICAL CROSS SECTIONS FOR**

**FD #1-31-2-2**

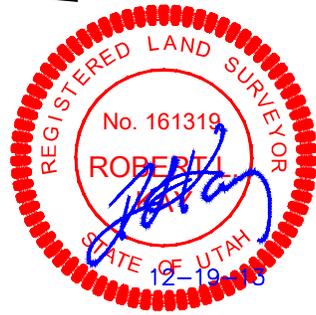
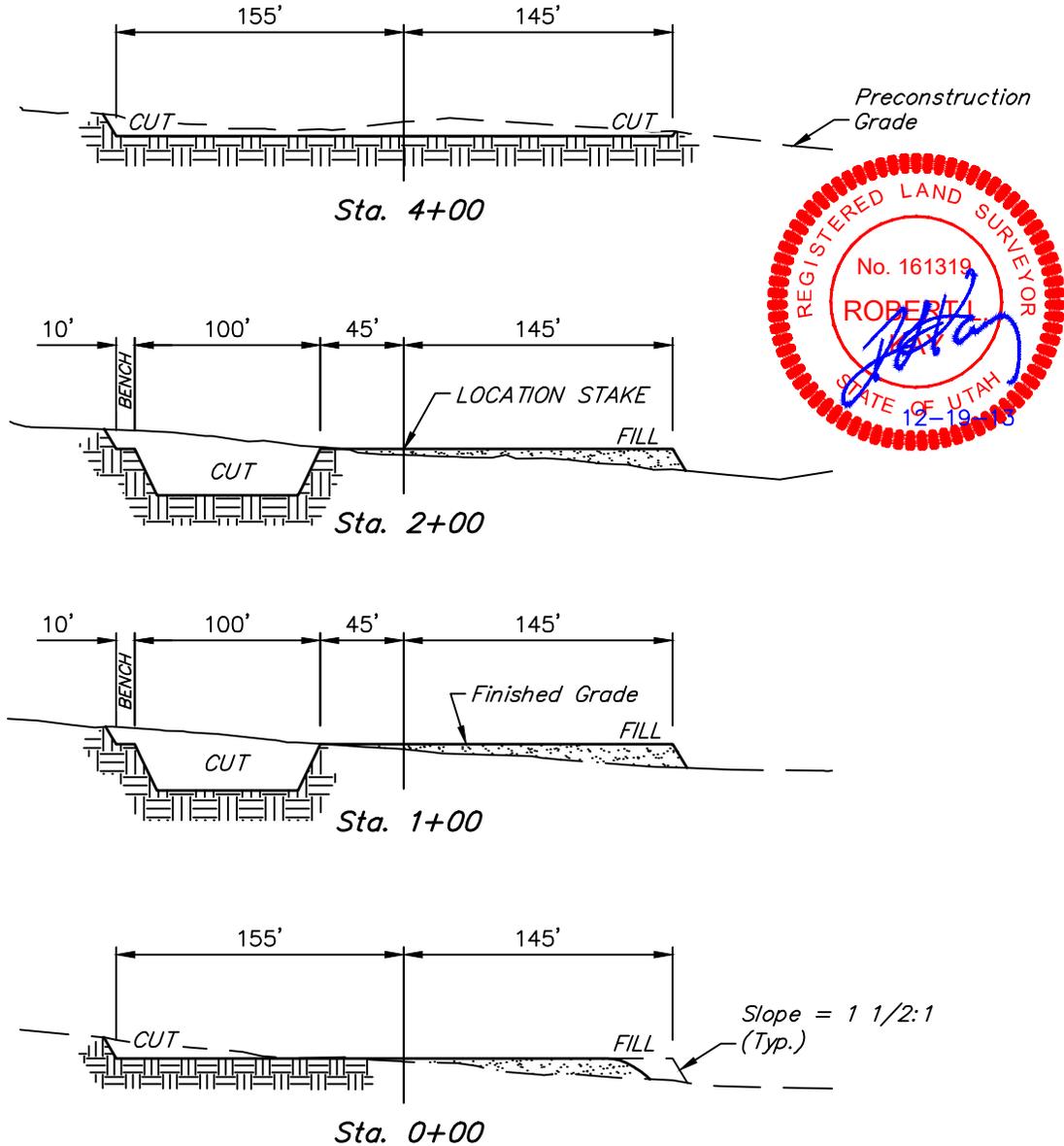
**SECTION 31, T2S, R2E, U.S.B.&M.**

**845' FNL 845' FEL**

**FIGURE #2**



DATE: 04-02-13  
DRAWN BY: K.O.  
REV: 12-19-13 M.L.



**NOTE:**

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

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE = ± 4.539 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.359 ACRES  
PIPELINE DISTURBANCE = ± 0.426 ACRES  
TOTAL = ± 5.324 ACRES

\* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping = 2,360 Cu. Yds.  
Remaining Location = 9,340 Cu. Yds.  
**TOTAL CUT = 11,700 CU. YDS.**  
**FILL = 6,410 CU. YDS.**

EXCESS MATERIAL = 5,290 Cu. Yds.  
Topsoil & Pit Backfill (1/2 Pit Vol.) = 5,290 Cu. Yds.  
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

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

# BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

FD #1-31-2-2

SECTION 31, T2S, R2E, U.S.B.&M.

845' FNL 845' FEL

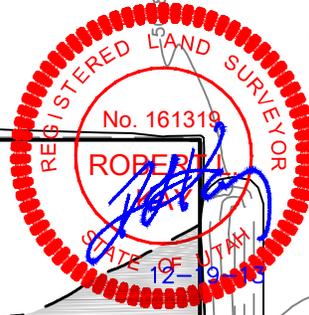
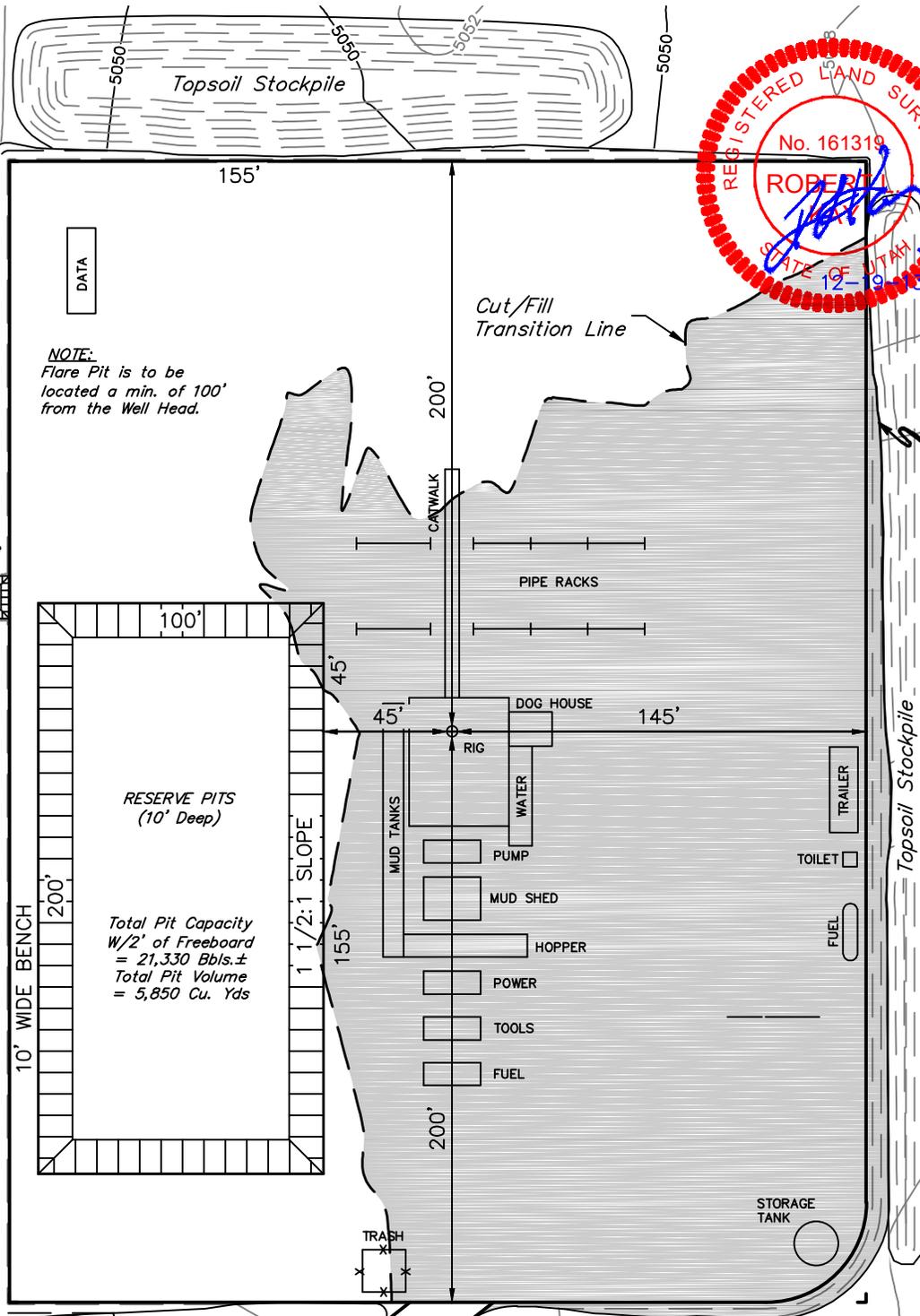
**FIGURE #3**

SCALE: 1" = 60'

DATE: 04-02-13

DRAWN BY: K.O.

REV: 12-19-13 M.L.



<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 1-31-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538780000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0845 FNL 0845 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 31 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

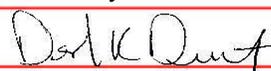
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/3/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="drilling plan revisions"/>

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: 1200' 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 Hole and Casing size remains the same Production grade changing to: P-110 OR I-80

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

Date: January 09, 2014

By: 

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/2/2014	

<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
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	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-31-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538780000
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: 0845 FNL 0845 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 31 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 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/13/2014	<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.

Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type:  
 Soilmec SR/30 Spud Date: 1/13/14 Spud Time: 9:00 AM Commence  
 Drilling approximate start date: 2/15/2014

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 January 14, 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> 1/13/2014	

<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 1-31-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538780000
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: 0845 FNL 0845 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 31 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 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: 1/31/2014	<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 January 2014 Drilling Activity for this well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 February 06, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 2/5/2014	

**1-31-2-2 FD 1/24/2014 06:00 - 1/25/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 1,245.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00			WORK ON RIG - MOVE TO LOCATION - RIG UP - DRILL 12 1/4 SURFACE F/80' T/930'

**1-31-2-2 FD 1/25/2014 06:00 - 1/26/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 1,245.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	2	DRILL ACTUAL	DRLG 12 1/4 SURFACE F/930' T/1245' - CIRC - T.O.O.H. - T.I.H. - CIRC - T.O.O.H. - RUN CSG - WORK ON PIT PUMP - RIG DDOWN & LOAD OUT

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>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FD 1-31-2-2		
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	<b>9. API NUMBER:</b> 43047538780000		
<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> 0845 FNL 0845 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 31 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: 2/28/2014	<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 February 2014 Drilling Activity for this well.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 03, 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> 3/3/2014	

**FD 01-31-2-2 2/13/2014 23:30 - 2/14/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
23:30	4.00	03:30	14	NIPPLE UP B.O.P	NIPPLE UP/RIG UP
03:30	2.50	06:00	15	TEST B.O.P	TEST B.O.P.

**FD 01-31-2-2 2/14/2014 06:00 - 2/15/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	15	TEST B.O.P	TEST LOWER KELLY VALVE, SAFETY VALVE, PIPE RAMS INSIDE VALVES, HCR, OUTSIDE KILL LINE VALVES, CHOKE LINE, CHECK VALVE, UPRIGHT GAGE VALVE, BLIND RAMS, AND INSIDE MANIFOLD VALVES ALL TO 5000PSI FOR 10 MIN. - TEST ANNULAR TO 1500PSI - SUPER CHOKE 500PSI 5MIN. - TEST CSG TO 1500PSI FOR 30MIN. TESTED WITH B&C QUICK TEST.
08:00	1.00	09:00	21	OPEN	LOAD AND STRAP BHA
09:00	0.50	09:30	21	OPEN	INSTALL WEAR BUSHING
09:30	1.00	10:30	20	DIRECTIONAL WORK	MAKE UP BIT & MM, SCRIBE
10:30	2.00	12:30	6	TRIPS	P/U BHA
12:30	1.00	13:30	9	CUT OFF DRILL LINE	SLIP & CUT 80'
13:30	0.50	14:00	7	LUBRICATE RIG	RIG SERVICE
14:00	0.50	14:30	6	TRIPS	TIH, TAG CEMENT @ 1090'
14:30	2.50	17:00	2	DRILL ACTUAL	DRILL CEMENT FLOAT & SHOE @ 1201', DRILL TO 1260' = 15' OF NEW HOLE
17:00	0.50	17:30	5	COND MUD & CIRC	PUMP 20 BBLs LCM PILL
17:30	0.50	18:00	21	OPEN	EMW TEST 8.5MW - 10.5EMW @ 1260' = 131PSI FOR 15 MIN. LOST 9 PSI
18:00	3.50	21:30	8	REPAIR RIG	CHANGE OUT SWIVEL PUMP AND MOTORS
21:30	8.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/1260' - T/2133' - 873' @ 102.7'/HR. WOB = 12-14K, 55 RPM

**FD 01-31-2-2 2/15/2014 06:00 - 2/16/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	DRILL ACTUAL F/2133' - T/2808' - 675' @ 112.5'/HR. WOB = 14K, 55 RPM
12:00	0.50	12:30	7	LUBRICATE RIG	RIG SERVICE
12:30	17.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/2808' - T/4300' - 1492' @ 85.3'/HR. WOB= 16K, 50 -60 RPM

**FD 01-31-2-2 2/16/2014 06:00 - 2/17/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/4300' - T/4915' - 615' @ 58.6'/HR. WOB = 14-18K, 60 RPM, 520 GPM
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	13.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/4915' - T/5508' - 593' @ 45.6'/HR. WOB = 18-28K, 60RPM, 520 GPM

**FD 01-31-2-2 2/17/2014 06:00 - 2/18/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	DRILL ACTUAL F/5508' - T/5674' - 166' @ 27.6'/HR. WOB = 24-28K, 50-65RPM

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	0.50	12:30	7	LUBRICATE RIG	RIG SERVICE
12:30	6.50	19:00	2	DRILL ACTUAL	DRILL ACTUAL F/5674' - T/5885' - 211' @ 32.5'/HR. WOB = 22-28K, 50-65 RPM
19:00	1.00	20:00	8	REPAIR RIG	ADD NITROGEN IN HYDRILL
20:00	10.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/5885' - T/6096' - 211' @ 21.1'/HR. WOB = 22 - 28K, 50-65RPM

**FD 01-31-2-2 2/18/2014 06:00 - 2/19/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53878	Utah	Uintah	Fort Duchesne		9,234.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	2	DRILL ACTUAL	DRILL ACTUAL F/6096' - T/6227' - 131' @ 26.2'/HR. WOB = 26-28K, 55-65 RPM
11:00	1.50	12:30	20	DIRECTIONAL WORK	TROUBLESHOOT LOST MWD SIGNAL
12:30	1.00	13:30	2	DRILL ACTUAL	DRILL ACTUAL F/6227' - T/6243'
13:30	1.00	14:30	20	DIRECTIONAL WORK	TROUBLESHOOT LOST MWD SIGNAL, REGAINED SIGNAL
14:30	2.00	16:30	2	DRILL ACTUAL	DRILL ACTUAL F/6243' - T/6264'
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	13.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/6264' - T/6620' - 356' @ 27.4'/HR. WOB = 26-29K, 55-65 RPM

**FD 01-31-2-2 2/19/2014 06:00 - 2/20/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53878	Utah	Uintah	Fort Duchesne		9,234.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRILL ACTUAL F/6620' - T/6939' - 319' @ 31.9'/HR. WOB = 24-29K, 50-70 RPM
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	9.50	02:00	2	DRILL ACTUAL	DRILL ACTUAL F/6939' - T/7215' - 276' @ 29/hr. WOB = 22-29K, 55-70 RPM
02:00	1.50	03:30	5	COND MUD & CIRC	PUMP SWEEP, CIRCULATE, BLOW DOWN KELLY
03:30	2.50	06:00	6	TRIPS	TOOH FOR BIT CHANGE

**FD 01-31-2-2 2/20/2014 06:00 - 2/21/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53878	Utah	Uintah	Fort Duchesne		9,234.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	TOOH FOR BIT CHANGE
09:00	2.00	11:00	20	DIRECTIONAL WORK	L/D DIR, MM & BIT/MAKE UP BIT & MM, SCRIBE
11:00	3.50	14:30	6	TRIPS	TIH, WASH THROUGH TIGHT SPOTS @ 2500', 2700', 3500', TIH TO 4000'
14:30	0.50	15:00	5	COND MUD & CIRC	CIRCULATE
15:00	3.00	18:00	6	TRIPS	TIH, WASH LAST 200' TO BOTTOM
18:00	12.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/7215' - T/7854' - 639' @ 53.3'/HR. WOB = 14-19K, 50-60 RPM

**FD 01-31-2-2 2/21/2014 06:00 - 2/22/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53878	Utah	Uintah	Fort Duchesne		9,234.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRILL ACTUAL F/7854' - T/8738' - 884' @ 88.4'/HR. WOB = 14-16K, 50-60RPM
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	13.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/8738' - T/9180' - 442' @ 32.7'/HR.

**FD 01-31-2-2 2/22/2014 06:00 - 2/23/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53878	Utah	Uintah	Fort Duchesne		9,234.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	2	DRILL ACTUAL	DRILL ACTUAL F/9180' - T/9234' - 84' @ 33.6'/HR. WOB = 12-30K, 55-70 RPM - TD @ 08:30
08:30	2.00	10:30	5	COND MUD & CIRC	PUMP HIGH VIS SWEEP, CIRCULATE HOLE CLEAN, L/D 7 JNTS DP, PUMP SLUG
10:30	4.50	15:00	6	TRIPS	SHORT TRIP TO 6000', WASH LAST 120' TO BOTTOM
15:00	1.50	16:30	5	COND MUD & CIRC	PUMP HIGH VIS SWEEP, CIRCULATE HOLE CLEAN, PUMP SLUG
16:30	6.00	22:30	6	TRIPS	TOOH/LDDP

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:30	1.00	23:30	20	DIRECTIONAL WORK	LAY DOWN DIR. TOOLS
23:30	0.50	00:00	21	OPEN	PULL WEAR BUSHING
00:00	1.00	01:00	12	RUN CASING & CEMENT	RIG UP TO RUN CASING
01:00	5.00	06:00	12	RUN CASING & CEMENT	RUN 5.5" 17# NW80 LT&C PROD. CASING

**FD 01-31-2-2 2/23/2014 06:00 - 2/24/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	12	RUN CASING & CEMENT	RUN 194 JTS, 9224' 5.5" 17# NW80 LT&C PROD. CSG. W/2 MARKERS AND 87 CENTRALIZERS
14:30	3.00	17:30	5	COND MUD & CIRC	CIRCULATE/RECIPROCATATE PIPE
17:30	1.00	18:30	12	RUN CASING & CEMENT	PULL ROTATING RUBBER, MAKE UP LANDING JT & MANDREL, LAND MANDREL
18:30	5.50	00:00	12	RUN CASING & CEMENT	S/M - R/U CEMENT EQUIPMENT - TEST LINES 5000PSI - PUMP 3BBL H2O SPACER - 40BBL TUNED SPACER - PUMP 231.3BBL 555SKS 11# 2.34Y & 10.1GAL/SX LEAD CEMENT - PUMP 185.94BBL 720SKS 13.5# 1.45Y & 6.858GAL/SK TAIL CEMENT - PUMPED 211.79 BBL H2O WITH CLA-WEB DISPLACEMENT - BUMPED THE PLUG AT 2700 PSI FINAL CIRCULATING PRESSURE 2100 PSI - GOT 1 BBL BACK - MAINTAIN RETURNS THROUGHOUT THE JOB GOT 40 BBL SPACER TO SURFACE, GOT 39 BBL CEMENT TO SURFACE - FLOATS HELD - R/D CEMENT EQUIPMENT
00:00	6.00	06:00	14	NIPPLE UP B.O.P	RUN PACKOFF, NIPPLE DOWN, CLEAN MUD TANKS, RIG RELEASED @ 06:00 2/24/2014

**FD 01-31-2-2 2/25/2014 06:00 - 2/26/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	CTRL	Crew Travel	HSM. CHECK PRESSURE. ND NIGHT CAP. MAKE FINAL CUT AND DRESS 5-1/2" CSG. NU 7" 5K TBG HEAD. TEST SEALS AND VOID. GOOD. NU 7" 5K IGH T CAP. WELL SECURE.

<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 1-31-2-2
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0845 FNL 0845 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 31 Township: 02.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047538780000
<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 type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/31/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	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 March 2014 Drilling Activity for this well.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          April 02, 2014</b>		
<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> 4/2/2014	

**FD 01-31-2-2 3/6/2014 06:00 - 3/7/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	FRAC LINE IN AND FULL. HSM. CHECK PRESSURE. ND NIGHT CAP. NU 5" 10K FRAC MANDREL, FRAC VALVES, AND FRAC HEAD. PRESSURE TEST CSG TO 6200 PSI. PRESSURE TEST FBE. GOOD. WELL SHUT IN AND SECURE.

**FD 01-31-2-2 3/8/2014 06:00 - 3/9/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

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

**FD 01-31-2-2 3/9/2014 06:00 - 3/10/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.00	09:00	SRIG	Rig Up/Down	MIRU CASED HOLE SOLUTIONS WITH 5-1/2" 5K LUBE.
09:00	2.00	11:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 8439+-8463'. RUN DOWN AND PERF UTELAND BUTTE FORM 8785'-9050' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL. (HAD BAD CAP, DID NOT DETONATE. PERF 4 SHOT. POOH AND REPAIR. RIH AND FINISH PERF RUN)
11:00	6.00	17:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

**FD 01-31-2-2 3/10/2014 06:00 - 3/11/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	SMTG	Safety Meeting	AOL 05:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA.
06:30	1.50	08:00	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 200 PSI AT 06:35 BREAK DOWN 3010 PSI AT 5.2 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.2 BPM AT 2291 PSI. FLUSH W/ 8785 GAL. 30.6 BPM AT 3052 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 4355 PSI. ISDP 2414. FG .71. PERFS OPEN 27/45  ISIP 2836, FG .76, MR 70.8 BPM, AR 69.2 BPM, MP 4054 PSI, AP 3842 PSI 100 MESH 8062 lbs. .75 ppg 20/40 WHITE 150,700 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 1012 BBL, 20# HYBOR G (16) 1620 BBL, BTR 2736 BBLS  SHUT IN AND TURN OVER TO CASED HOLE.
08:00	1.25	09:15	PFRT	Perforating	PERF STG #2- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8439+-8463'. RUN DOWN AND SET 5-1/2" CBP AT 8766' WITH 2400 PSI. PULL UP AND PERF BLACK SHALE AND CASTLE PEAK 8481'-8746' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2300 PSI. TURN WELL OVER TO HES.



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:15	1.25	10:30	FRAC	Frac. Job	<p>FRAC STG 2            PRESSURE TEST LINES TO 7300 PSI.            OPEN WELL W/ 2330 PSI AT 09:18            BREAK DOWN 3340 PSI AT 10.0 BPM.            PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2791 PSI.            FLUSH W/ 8281 GAL. 30.4 BPM AT 3185 PSI. BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 70.3 BPM AT 4250 PSI. ISDP 2884. FG .78.            PERFS OPEN 36/45</p> <p>ISIP 3156, FG .80, MR 70.8 BPM, AR 69.8 BPM, MP 4882 PSI, AP 4394 PSI            100 MESH 8114 lbs. .75 ppg            20/40 WHITE 150,700 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg            SLK WTR 1021 BBL, 20# HYBOR G (16) 1526 BBL, BTR 2640 BBLS</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
10:30	1.25	11:45	PFRT	Perforating	<p>PERF STG #3- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7706'-7730'. RUN DOWN AND SET 5-1/2" CBP AT 8476' WITH 2600 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8136'-8456' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2200 PSI. TURN WELL OVER TO HES.</p>
11:45	1.25	13:00	FRAC	Frac. Job	<p>FRAC STG 3            PRESSURE TEST LINES TO 7300 PSI.            OPEN WELL W/ 1300 PSI AT 11:45            BREAK DOWN 3146 PSI AT 9.8 BPM.            PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2615 PSI.            FLUSH W/ 7944 GAL. 29.6 BPM AT 3082 PSI. BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 3962 PSI. ISDP 2711. FG .77.            PERFS OPEN 39/45</p> <p>ISIP 2922, FG .80, MR 70.6 BPM, AR 70.1 BPM, MP 4082 PSI, AP 3683 PSI            100 MESH 8258 lbs. .75 ppg            20/40 WHITE 150,700 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg            SLK WTR 1006 BBL, 20# HYBOR G (16) 1532 BBL, BTR 2631 BBLS</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
13:00	1.25	14:15	PFRT	Perforating	<p>PERF STG #4- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2900 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7706'-7730'. RUN DOWN AND SET 5-1/2" CBP AT 8114' WITH 2600 PSI. PULL UP AND PERF TGR3 AND DOUGLAS CREEK FORM 7765'-8091' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2300 PSI. TURN WELL OVER TO HES.</p>
14:15	1.50	15:45	FRAC	Frac. Job	<p>FRAC STG 4            PRESSURE TEST LINES TO 7300 PSI.            OPEN WELL W/ 2352 PSI AT 14:19            BREAK DOWN 2846 PSI AT 10.0 BPM.            PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.3 BPM AT 1662 PSI.            FLUSH W/ 7582 GAL. 29.8 BPM AT 2566 PSI. BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.            STAGE FR PAD. STABLE RATE OF 54.9 BPM AT 4424 PSI. ISDP 1941. FG .68.            PERFS OPEN 16/45. (70.4 BPM AT 4476 PSI, 22/45)</p> <p>ISIP 1889, FG .68, MR 7.4 BPM, AR 70.0 BPM, MP 4841 PSI, AP 3730 PSI            100 MESH 8460 lbs. .75 ppg            20/40 WHITE 140,800 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg            SLK WTR 1121 BBL, 20# HYBOR G (16) 1751 BBL, BTR 2953 BBLS</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
15:45	1.00	16:45	WLWK	Wireline	<p>KILL PLUG- PU 5-1/2" EXELIS PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1700 PSI. RIH AND CORRELATE TO CSG JTS (NO SHORT JT NOW). SET KILL PLUG AT 7665' WITH 1700 PSI. BLEED OFF AS POOH.</p>
16:45	2.00	18:45	SRIG	Rig Up/Down	<p>RDMO HES AND CASED HOLE.</p>



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
18:45	11.25	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.  FUEL REPORT HES DIESEL 2015 GAL CASEHOLE DIESEL 65 GAL CF WINN DIESEL 12 GAL DELSCO DIESEL 25 GAL	

**FD 01-31-2-2 3/11/2014 06:00 - 3/12/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	3.00	10:00	DTIM	Downtime	CHANGE OUT CROW CHIVES ON RIG.	
10:00	1.50	11:30	RMOV	Rig Move	ROAD RIG F/ 18-41 TO LOCATION.	
11:30	1.50	13:00	SRIG	Rig Up/Down	R/U RIG & EQUIPMENT.	
13:00	3.50	16:30	BOPI	Install BOP's	SPOT CATWALK & PIPE RACKS. LOAD 296 JTS 2-7/8 L-80 TBG ON RACKS & TALLY. N/D FRAC VALVE. N/U BOPE. R/U FLOOR & EQUIPMENT.	
16:30	2.00	18:30	RUTB	Run Tubing	P/U 4-3/4 BIT, 1 JT 2-7/8 TBG & XN- NIPPLE. RIH W/ BHA TO 3153' P/U NEW 2-7/8 TBG. SDFN.	
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.  FUEL REPORT STONE DIESEL 100 GAL DELSCO DIESEL 20 GAL	

**FD 01-31-2-2 3/12/2014 06:00 - 3/13/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	6.50	13:30	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. TEST BOPE & CIRC EQUIPMENT TO 2500 PSI, HELD. D/O KILL PLUG @ 7665'. FCP- 800 ON 20/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8058'. C/O SAND & D/O CBP @ 8114'. FCP- 800 ON 16/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8431'. C/O SAND & D/O CBP @ 8476'. FCP- 850 ON 16/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 8751'. C/O SAND & D/O CBP @ 8766'. FCP- 1000 ON 18/64 CHOKE.  SWIVEL IN HOLE. TAG SAND @ 9028'. C/O SAND TO F/C @ 9132. D/O F/C. C/O CMT TO 9163' P/BD. CIRC WELL CLEAN. R/D SWIVEL.	
13:30	3.50	17:00	RUTB	Run Tubing	SIWP- 0. FINISH RIH W/ 4-3/4 BIT, 1 JT 2-7/8 & XN- NIPPLE P/U 2-7/8 TBG TO KILL PLUG @ 7665'.	
17:00	1.50	18:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 7680' & LAND TBG. 241 JTS TOTAL IN HOLE.	
18:30	2.00	20:30	BOPI	Install BOP's	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF @ 3300 PSI. R/U TBG TO SALES LINE. TURN OVER TO FLOWBACK. SICP- 1050, FTP -1000 ON 18/64 CHOKE. SDFN.	
20:30	9.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE.  FUEL REPORT STONE DIESEL 90 GAL. STONE GAS 5 GAL RC CONSULTING- DIESEL 15 GAL. DELSCO DIESEL 20 GAL MBT- 200 GAL DIESEL.	

**FD 01-31-2-2 3/13/2014 06:00 - 3/14/2014 06:00**

API 43-047-53878	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,234.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING
07:00	2.00	09:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. TBG FLOWING TO SALES.
09:00	21.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

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 1-31-2-2	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047538780000	
<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> 0845 FNL 0845 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 31 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: 3/14/2014	<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 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 3/12/2014. First gas sales was on 3/14/2014. First oil sales was on 3/17/2014.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 08, 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> 4/2/2014	

**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 1-31-2-2</b>
3. ADDRESS OF OPERATOR: <b>1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202</b>		9. API NUMBER: <b>4304753878</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>0845 FNL 0845 FEL</b>  AT TOP PRODUCING INTERVAL REPORTED BELOW: <b>856 FNL 856 FEL</b>  AT TOTAL DEPTH: <b>891 FNL 836 FEL</b>		10 FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
14. DATE SPUNNED: <b>1/13/2014</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 31 2S 2E U</b>
15. DATE T.D. REACHED: <b>2/22/2014</b>		12. COUNTY <b>Uintah</b>
16. DATE COMPLETED: <b>3/12/2014</b> ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		13. STATE <b>UTAH</b>
17. ELEVATIONS (DF, RKB, RT, GL): <b>5046 GL</b>		
18. TOTAL DEPTH: MD <b>9,234</b> TVD <b>9,232</b>	19. PLUG BACK T.D.: MD <b>9,128</b> TVD <b>9,126</b>	20. IF MULTIPLE COMPLETIONS, HOW MANY? *
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) <b>TRIPLE COMBO/MUD</b>		21. DEPTH BRIDGE MD PLUG SET: TVD
23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis)		
WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report)		
DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)		

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Conq	65#	0	80	80			0	
12 1/4	8 5/8 J-55	24#	0	1,245	1,188	Lead 150	102	0	
						Tail 520	106		
7 7/8	5 1/2 NW	17#	0	9,234	9,224	Lead 555	231	3614	
						Tail 720	186		

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	7,958							

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	7,765	9,050			7,765 9,050	.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
7765-9050	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: _____	<input checked="" type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS: <b>POW</b>
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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/12/2014		TEST DATE: 3/14/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 336	GAS - MCF: 57	WATER - BBL: 70	PROD. METHOD: Flowing
CHOKE SIZE: 20/64	TBG. PRESS. 200	CSG. PRESS. 500	API GRAVITY 52.00	BTU - GAS 1	GAS/OIL RATIO 170	24 HR PRODUCTION RATES: →	OIL - BBL: 336	GAS - MCF: 57	WATER - BBL: 70	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	5,521
				Mahogany	6,646
				TGR3	7,764
				Douglas Creek	7,935
				Black Shale Facies	8,479
				Castle Peak	8,564
				Uteland Butte	8,768
				Wasatch	9,234
				TD	9,234

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 3/14/2014; first oil sales 1/31/2014

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 4/16/2014

This report must be submitted within 30 days of

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

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

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

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

**1-31-2-2 FD Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<b><u>Stage</u></b>	<b><u>bbls Slurry</u></b>	<b><u>lbs Common White 100 Mesh Sand</u></b>	<b><u>lbs 20/40 Premium White</u></b>	<b><u>gal 15% HCl Acid</u></b>
1	2737	8062	150638	4400
2	2640	8114	150686	3900
3	2631	8258	150642	3900
4	2953	8460	140774	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 1-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-31-2-2 @ 5061.0usft (Capstar 328)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 1-31-2-2 @ 5061.0usft (Capstar 328)
<b>Well:</b>	FD 1-31-2-2	<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 31 T2S, R2E		
<b>Site Position:</b>		<b>Northing:</b>	11,161,342.96 usft
<b>From:</b>	Map	<b>Easting:</b>	2,110,454.25 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 16' 32.403 N
		<b>Longitude:</b>	109° 49' 0.873 W
		<b>Grid Convergence:</b>	1.03 °

<b>Well</b>	FD 1-31-2-2, SHL LAT: 40.270758 LONG: -109.805858					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	11,159,608.82 usft	<b>Latitude:</b>	40° 16' 14.729 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,113,572.63 usft	<b>Longitude:</b>	109° 48' 21.089 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	5,061.0 usft	<b>Ground Level:</b>	5,048.0 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	2/10/2014	10.90	65.96	52,169

<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	169.42	

<b>Survey Program</b>	<b>Date</b>	3/3/2014		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
1,323.0	9,234.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



## Payzone Directional

End of Well Report



**Company:** Bill Barrett Corporation  
**Project:** Fort Duchesne  
**Site:** SECTION 31 T2S, R2E  
**Well:** FD 1-31-2-2  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well FD 1-31-2-2  
**TVD Reference:** FD 1-31-2-2 @ 5061.0usft (Capstar 328)  
**MD Reference:** FD 1-31-2-2 @ 5061.0usft (Capstar 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** 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
1,323.0	0.09	199.82	1,323.0	0.9	-1.0	-0.4	0.01	0.01	0.00
1,407.0	0.40	194.00	1,407.0	1.2	-1.3	-0.4	0.37	0.37	-6.93
1,492.0	0.09	283.59	1,492.0	1.5	-1.6	-0.6	0.48	-0.36	105.40
1,576.0	0.80	340.48	1,576.0	0.9	-1.0	-0.8	0.90	0.85	67.73
1,661.0	1.05	356.30	1,661.0	-0.5	0.3	-1.1	0.42	0.29	18.61
1,745.0	1.28	353.70	1,745.0	-2.2	2.0	-1.2	0.28	0.27	-3.10
1,829.0	1.28	348.10	1,828.9	-4.1	3.9	-1.5	0.15	0.00	-6.67
1,914.0	1.02	355.20	1,913.9	-5.8	5.5	-1.8	0.35	-0.31	8.35
1,998.0	0.88	343.61	1,997.9	-7.2	6.9	-2.0	0.28	-0.17	-13.80
2,082.0	1.02	334.80	2,081.9	-8.5	8.2	-2.5	0.24	0.17	-10.49
2,167.0	0.88	330.30	2,166.9	-9.9	9.5	-3.2	0.19	-0.16	-5.29
2,251.0	0.80	331.90	2,250.9	-11.0	10.5	-3.8	0.10	-0.10	1.90
2,335.0	1.41	349.90	2,334.9	-12.6	12.1	-4.2	0.83	0.73	21.43
2,419.0	1.19	344.30	2,418.8	-14.5	13.9	-4.7	0.30	-0.26	-6.67
2,504.0	0.71	320.90	2,503.8	-15.9	15.2	-5.2	0.72	-0.56	-27.53
2,588.0	1.28	357.40	2,587.8	-17.3	16.5	-5.6	0.98	0.68	43.45
2,673.0	1.02	345.81	2,672.8	-19.0	18.2	-5.8	0.41	-0.31	-13.64
2,757.0	1.19	355.11	2,756.8	-20.6	19.8	-6.1	0.29	0.20	11.07
2,841.0	1.68	359.60	2,840.8	-22.7	21.9	-6.2	0.60	0.58	5.35
2,926.0	1.50	4.98	2,925.7	-25.0	24.3	-6.1	0.27	-0.21	6.33
3,010.0	1.50	15.00	3,009.7	-27.0	26.4	-5.7	0.31	0.00	11.93
3,094.0	1.50	18.92	3,093.7	-29.0	28.5	-5.1	0.12	0.00	4.67
3,179.0	0.88	29.88	3,178.7	-30.4	30.1	-4.4	0.77	-0.73	12.89
3,263.0	1.28	15.88	3,262.6	-31.8	31.6	-3.8	0.57	0.48	-16.67
3,347.0	1.90	12.31	3,346.6	-33.9	33.9	-3.2	0.75	0.74	-4.25
3,432.0	1.81	6.61	3,431.6	-36.5	36.6	-2.8	0.24	-0.11	-6.71



## Payzone Directional

End of Well Report



**Company:** Bill Barrett Corporation  
**Project:** Fort Duchesne  
**Site:** SECTION 31 T2S, R2E  
**Well:** FD 1-31-2-2  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well FD 1-31-2-2  
**TVD Reference:** FD 1-31-2-2 @ 5061.0usft (Capstar 328)  
**MD Reference:** FD 1-31-2-2 @ 5061.0usft (Capstar 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** 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)
3,516.0	1.50	354.89	3,515.5	-38.8	39.0	-2.7	0.54	-0.37	-13.95
3,600.0	1.28	348.41	3,599.5	-40.9	41.0	-3.0	0.32	-0.26	-7.71
3,685.0	1.10	346.69	3,684.5	-42.6	42.7	-3.4	0.22	-0.21	-2.02
3,769.0	1.41	339.38	3,768.5	-44.4	44.5	-3.9	0.41	0.37	-8.70
3,853.0	1.90	343.52	3,852.4	-46.8	46.8	-4.7	0.60	0.58	4.93
3,937.0	1.50	350.22	3,936.4	-49.3	49.2	-5.3	0.53	-0.48	7.98
4,022.0	1.50	0.18	4,021.4	-51.5	51.4	-5.5	0.31	0.00	11.72
4,106.0	1.41	0.71	4,105.3	-53.6	53.5	-5.5	0.11	-0.11	0.63
4,190.0	1.19	3.62	4,189.3	-55.5	55.4	-5.4	0.27	-0.26	3.46
4,275.0	0.88	1.28	4,274.3	-57.0	57.0	-5.3	0.37	-0.36	-2.75
4,359.0	0.80	1.72	4,358.3	-58.2	58.2	-5.3	0.10	-0.10	0.52
4,443.0	0.40	20.51	4,442.3	-59.0	59.1	-5.2	0.52	-0.48	22.37
4,527.0	0.40	27.51	4,526.3	-59.5	59.6	-4.9	0.06	0.00	8.33
4,611.0	0.31	66.80	4,610.3	-59.8	59.9	-4.6	0.30	-0.11	46.77
4,696.0	0.62	20.68	4,695.3	-60.2	60.5	-4.2	0.54	0.36	-54.26
4,780.0	0.40	356.21	4,779.3	-60.9	61.2	-4.1	0.36	-0.26	-29.13
4,864.0	0.40	0.88	4,863.3	-61.5	61.8	-4.1	0.04	0.00	5.56
4,948.0	0.09	29.89	4,947.3	-61.8	62.1	-4.0	0.39	-0.37	34.54
5,033.0	0.09	176.81	5,032.3	-61.8	62.1	-4.0	0.20	0.00	172.85
5,117.0	0.62	202.90	5,116.3	-61.3	61.6	-4.2	0.64	0.63	31.06
5,201.0	0.80	190.69	5,200.3	-60.4	60.6	-4.5	0.28	0.21	-14.54
5,286.0	1.02	203.61	5,285.3	-59.2	59.4	-4.9	0.35	0.26	15.20
5,370.0	1.41	194.71	5,369.2	-57.7	57.7	-5.4	0.51	0.46	-10.60
5,455.0	1.19	199.90	5,454.2	-56.0	55.8	-6.0	0.29	-0.26	6.11
5,539.0	1.50	201.10	5,538.2	-54.3	54.0	-6.7	0.37	0.37	1.43
5,623.0	1.59	189.20	5,622.2	-52.3	51.8	-7.3	0.40	0.11	-14.17
5,708.0	1.59	194.70	5,707.1	-50.1	49.5	-7.8	0.18	0.00	6.47



## Payzone Directional

End of Well Report



**Company:** Bill Barrett Corporation  
**Project:** Fort Duchesne  
**Site:** SECTION 31 T2S, R2E  
**Well:** FD 1-31-2-2  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well FD 1-31-2-2  
**TVD Reference:** FD 1-31-2-2 @ 5061.0usft (Capstar 328)  
**MD Reference:** FD 1-31-2-2 @ 5061.0usft (Capstar 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** 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)
5,792.0	1.81	185.58	5,791.1	-47.8	47.1	-8.2	0.41	0.26	-10.86
5,876.0	1.28	171.88	5,875.1	-45.5	44.8	-8.2	0.76	-0.63	-16.31
5,961.0	0.88	166.68	5,960.0	-43.9	43.2	-7.9	0.48	-0.47	-6.12
6,045.0	1.41	188.50	6,044.0	-42.3	41.6	-7.9	0.81	0.63	25.98
6,129.0	2.12	205.10	6,128.0	-40.1	39.2	-8.7	1.03	0.85	19.76
6,213.0	2.78	200.30	6,211.9	-37.1	35.8	-10.1	0.82	0.79	-5.71
6,298.0	2.41	213.79	6,296.8	-34.0	32.4	-11.8	0.84	-0.44	15.87
6,382.0	2.30	196.38	6,380.8	-31.3	29.3	-13.3	0.86	-0.13	-20.73
6,466.0	1.68	184.31	6,464.7	-28.6	26.5	-13.8	0.89	-0.74	-14.37
6,551.0	1.28	185.49	6,549.7	-26.5	24.3	-14.0	0.47	-0.47	1.39
6,635.0	0.88	170.80	6,633.7	-24.9	22.7	-14.0	0.58	-0.48	-17.49
6,719.0	1.28	158.40	6,717.6	-23.3	21.2	-13.5	0.55	0.48	-14.76
6,803.0	1.28	158.70	6,801.6	-21.5	19.5	-12.9	0.01	0.00	0.36
6,888.0	1.80	174.30	6,886.6	-19.2	17.3	-12.4	0.78	0.61	18.35
6,972.0	1.99	172.01	6,970.5	-16.5	14.5	-12.1	0.24	0.23	-2.73
7,056.0	1.90	167.69	7,054.5	-13.6	11.7	-11.6	0.20	-0.11	-5.14
7,140.0	2.30	186.90	7,138.4	-10.6	8.7	-11.5	0.96	0.48	22.87
7,212.0	2.61	180.38	7,210.4	-7.6	5.6	-11.6	0.58	0.43	-9.06
7,296.0	1.68	169.81	7,294.3	-4.5	2.5	-11.4	1.20	-1.11	-12.58
7,380.0	1.41	179.19	7,378.3	-2.3	0.2	-11.2	0.44	-0.32	11.17
7,464.0	1.68	166.11	7,462.3	0.0	-2.0	-10.9	0.53	0.32	-15.57
7,548.0	1.81	168.00	7,546.2	2.5	-4.5	-10.3	0.17	0.15	2.25
7,633.0	1.90	179.50	7,631.2	5.3	-7.2	-10.0	0.45	0.11	13.53
7,801.0	0.80	218.40	7,799.1	8.8	-10.9	-10.7	0.82	-0.65	23.15
7,888.0	1.28	203.50	7,886.1	10.0	-12.3	-11.5	0.63	0.55	-17.13
7,972.0	1.40	182.40	7,970.1	11.8	-14.2	-11.9	0.60	0.14	-25.12
8,056.0	1.59	179.60	8,054.1	13.9	-16.4	-12.0	0.24	0.23	-3.33



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 1-31-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 1-31-2-2 @ 5061.0usft (Capstar 328)
<b>Site:</b>	SECTION 31 T2S, R2E	<b>MD Reference:</b>	FD 1-31-2-2 @ 5061.0usft (Capstar 328)
<b>Well:</b>	FD 1-31-2-2	<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)	
8,140.0	1.28	168.40	8,138.0	16.0	-18.5	-11.8	0.50	-0.37	-13.33	
8,224.0	1.40	156.50	8,222.0	17.9	-20.3	-11.2	0.36	0.14	-14.17	
8,309.0	1.10	147.50	8,307.0	19.7	-22.0	-10.3	0.42	-0.35	-10.59	
8,393.0	1.80	137.90	8,391.0	21.6	-23.6	-9.0	0.88	0.83	-11.43	
8,477.0	1.80	131.20	8,474.9	23.7	-25.5	-7.1	0.25	0.00	-7.98	
8,561.0	1.90	144.10	8,558.9	26.0	-27.5	-5.3	0.51	0.12	15.36	
8,645.0	1.59	136.90	8,642.8	28.3	-29.4	-3.7	0.45	-0.37	-8.57	
8,728.0	1.68	137.90	8,725.8	30.3	-31.2	-2.1	0.11	0.11	1.20	
8,812.0	2.12	148.39	8,809.8	32.8	-33.4	-0.4	0.67	0.52	12.49	
8,896.0	2.21	147.91	8,893.7	35.7	-36.1	1.2	0.11	0.11	-0.57	
8,980.0	1.81	137.81	8,977.7	38.4	-38.5	3.0	0.63	-0.48	-12.02	
9,065.0	2.30	146.98	9,062.6	41.1	-40.9	4.8	0.69	0.58	10.79	
9,149.0	2.39	145.00	9,146.5	44.2	-43.7	6.7	0.14	0.11	-2.36	
9,183.0	1.99	141.20	9,180.5	45.4	-44.8	7.5	1.25	-1.18	-11.18	
9,234.0	1.99	141.20	9,231.5	47.0	-46.2	8.6	0.00	0.00	0.00	

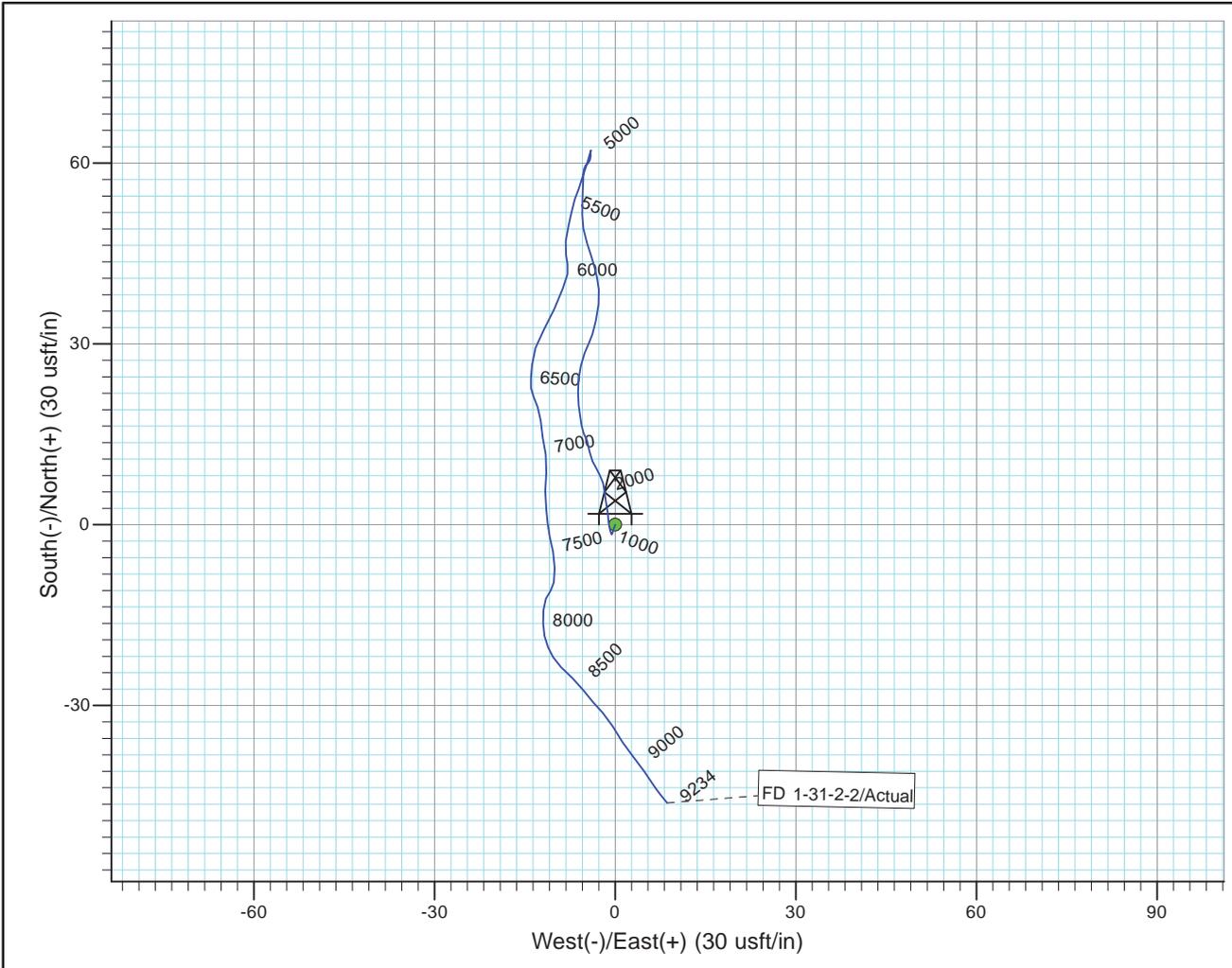
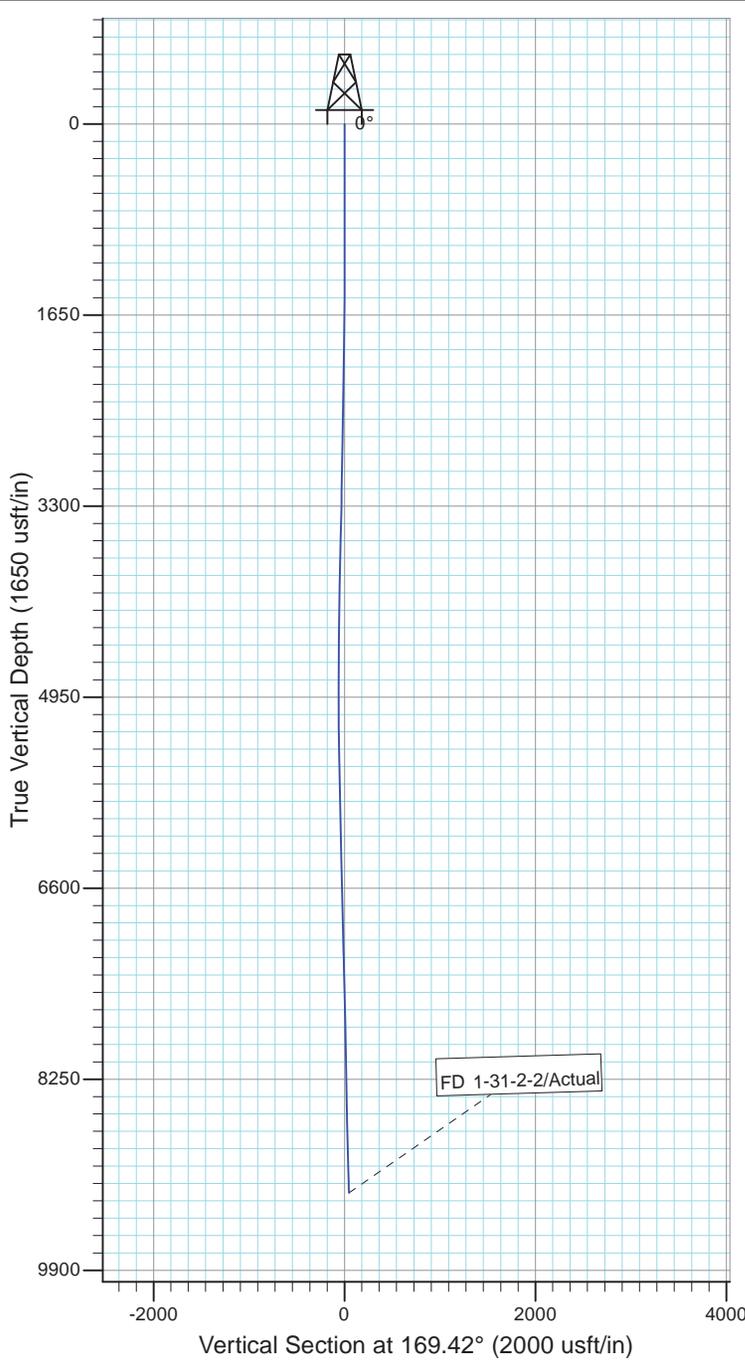
Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Sundry Number: 50198 API Well Number: 43047538780000



Project: Fort Duchesne  
Site: SECTION 31 T2S, R2E  
Well: FD 1-31-2-2  
Wellbore: Wellbore #1  
Design: Actual

Azimuths to True North  
 Magnetic North: 10.90°  
 Magnetic Field  
 Strength: 52169.0snT  
 Dip Angle: 65.96°  
 Date: 2/10/2014  
 Model: IGRF2010



Design: Actual (FD 1-31-2-2/Wellbore #1)

Created By: *Matthew Linton* Date: 14:13, March 03 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 1-31-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538780000
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: 0845 FNL 0845 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 31 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: 6/19/2014	<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 REC COMPLETED"/>

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

INTERIM RECLAMATION WAS COMPLETED ON 6/19/2014 AND THE PIT WAS CLOSED ON 3/10/2014

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

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