

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 7-18-2-2								
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 MOFFAT CANAL								
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') GLENN AND SHIRLEY HUBER						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-247-2336								
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 154 , LAPOINT, ut 84039						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')								
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>								
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN		
LOCATION AT SURFACE		1600 FNL 2250 FEL		SWNE		18		2.0 S		2.0 E		U		
Top of Uppermost Producing Zone		1600 FNL 2250 FEL		SWNE		18		2.0 S		2.0 E		U		
At Total Depth		1600 FNL 2250 FEL		SWNE		18		2.0 S		2.0 E		U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 405			23. NUMBER OF ACRES IN DRILLING UNIT 640								
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2243			26. PROPOSED DEPTH MD: 12691 TVD: 12691								
27. ELEVATION - GROUND LEVEL 5148			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			200	3.16	11.0		
							Halliburton Premium , Type Unknown			230	1.36	14.8		
I1	8.75	7	0 - 8733	26.0	P-110 LT&C	10.0	Halliburton Light , Type Unknown			580	2.31	11.0		
							Unknown			320	1.42	13.5		
L1	6.125	4.5	8533 - 12691	13.5	P-110 LT&C	12.5	Halliburton Premium , Type Unknown			510	1.18	15.6		
<b>ATTACHMENTS</b>														
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>														
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN								
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP								
NAME Brady Riley				TITLE Permit Analyst				PHONE 303 312-8115						
SIGNATURE				DATE 05/30/2013				EMAIL briley@billbarrettcorp.com						
API NUMBER ASSIGNED 43047538250000				APPROVAL				 Permit Manager						

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

**FD 7-18-2-2**

Lot 9, SWNE, 1600' FNL and 2250' FEL, Section 18, T2S-R2E, USB&M (surface hole)

Lot 9, SWNE, 1600' FNL and 2250' FEL, Section 18, T2S-R2E, USB&M (bottom hole)

Uintah County, Utah

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

<u>Formation</u>	<u>Depth – MD/TVD</u>
Green River	5754'
Mahogany	7191'
TGR3*	8067'
Douglas Creek	8250'
Black Shale	8683'
Castle Peak	8951'
Uteland Butte	9230'
Wasatch*	9691'
TD	12691'

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

Base of Useable Water = 5164'

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2500'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)*
2500' – TD	11" 10000# Double Ram Type BOP (Pipe/Blind) 11" 10000# Single Pipe Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 10,000 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**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	8733'	7"	26#	P110	LTC	New
6 1/8"	8533'	TD	4 1/2" Liner	13.5#	P110	LTC	New

Bill Barrett Corporation  
 Drilling Program  
 FD 7-18-2-2  
 Uintah County, Utah

### 5. Cementing Program

16" Conductor Casing	Grout
12-1/4" hole for 9-5/8" Surface Casing (may pre-set with spudder rig)	Lead: 400 sx Halliburton Light w/ additives and LCM, 11.0 ppg, 3.16 ft <sup>3</sup> /sx, 100% excess Tail: 230 sx Halliburton Premium w/ additives and LCM, 14.8 ppg, 1.36 ft <sup>3</sup> /sx, 100% excess Cement to surface, top out as necessary.
8-3/4" hole for 7" intermediate casing	Lead: 490 sx Tuned Light cement w/ additives mixed at 11 ppg (yield = 2.31 ft <sup>3</sup> /sx). Tail: 320 sx Halliburton Econocem w/ additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). 2000' fill, Planned TOC @ 2000' 50% excess
6-1/8" hole for 4-1/2" production liner	510 sx Premium w/ additives, 15.6 ppg, (yield = 1.18 ft <sup>3</sup> /sx), 4158' fill, Planned TOC @ 5" liner top, 50% excess

### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 2500'	Air/Mist/ 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
2500' - 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – 8733'	9.4 – 10.0	42-58	25 cc or less	LSND Fluid System
8733' – TD	10.0 – 12.5	58-60	< 10 cc	LSND FW mud
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 6269 psi\* and maximum anticipated surface pressure equals approximately 3477 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 7-18-2-2  
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: September 2013  
Spud: October 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



Cement Volume Calculations for the: FD 7-18-2-2

Surface Hole:

<u>Hole Data:</u>		<u>Calculated Data:</u>	
Total Depth (MD) =	2,500'	Lead Fill =	2000 ft
TOC (MD) =	0'	Lead Volume =	111.6 bbl
Hole Diameter =	12.250"	Tail Fill =	500 ft
Casing OD =	9.625"	Tail Volume =	27.9 bbl
Casing ID =	8.921"		
Excess =	100%		

<u>Cement Data:</u>		<u>Proposed Cement Data:</u>	
Lead Weight =	11.00 lbm/gal	Proposed SX Lead =	400
Lead Yield =	3.16 ft <sup>3</sup> /sk	Proposed SX Tail =	230
Tail Weight =	14.80 lbm/gal		
Tail Yield =	1.39 ft <sup>3</sup> /sk		

Intermediate Hole:

<u>Hole Data:</u>		<u>Calculated Data:</u>	
Total Depth (MD) =	8,733'	Lead Fill =	4733 ft
TOC (MD) =	2,000'	Lead Volume =	134.1 bbl
Hole Diameter =	8.750"	Tail Fill =	2000 ft
Casing OD =	7.000"	Tail Volume =	80.3 bbl
Casing ID =	6.366"		
Excess =	50%		

<u>Cement Data:</u>		<u>Proposed Cement Data:</u>	
Lead Weight =	11.00 lbm/gal	Proposed SX Lead =	490
Lead Yield =	2.31 ft <sup>3</sup> /sk	Proposed SX Tail =	320
Tail Weight =	13.50 lbm/gal		
Tail Yield =	1.42 ft <sup>3</sup> /sk		

**Production Liner:** 200' into Intermediate Casing

**Hole Data:**

Total Depth (MD) = **12,691'**  
TOL (MD) = **8,533'**  
Hole Diameter = **6.125"**  
Liner OD = **4.500"**  
Open Hole Excess = **50%**  
Casing Excess = **50%**

**Calculated Data:**

Lead Fill = **4158** ft  
Lead Volume = **70.3** bbl

**Cement Data:**

Lead Weight = **15.60** lbm/gal  
Lead Yield = **1.18** ft<sup>3</sup>/sk

**Proposed Cement Data:**

Proposed SX Lead = **510**

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### 3. 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. Two (2) pipe rams (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) manual and hydraulic choke line valves (3-inch minimum).
6. Remote kill line (2-inch minimum).
7. Three (3) chokes with one 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. Wear ring in casing head.
13. Pressure gauge on choke manifold.
14. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 10,000 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 choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. 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.

BILL BARRETT CORPORATION

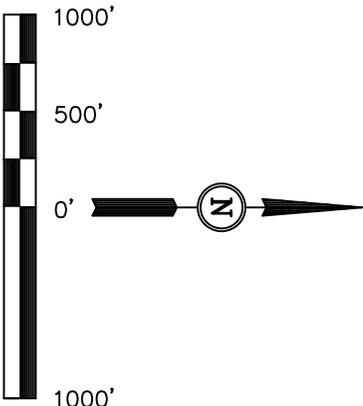
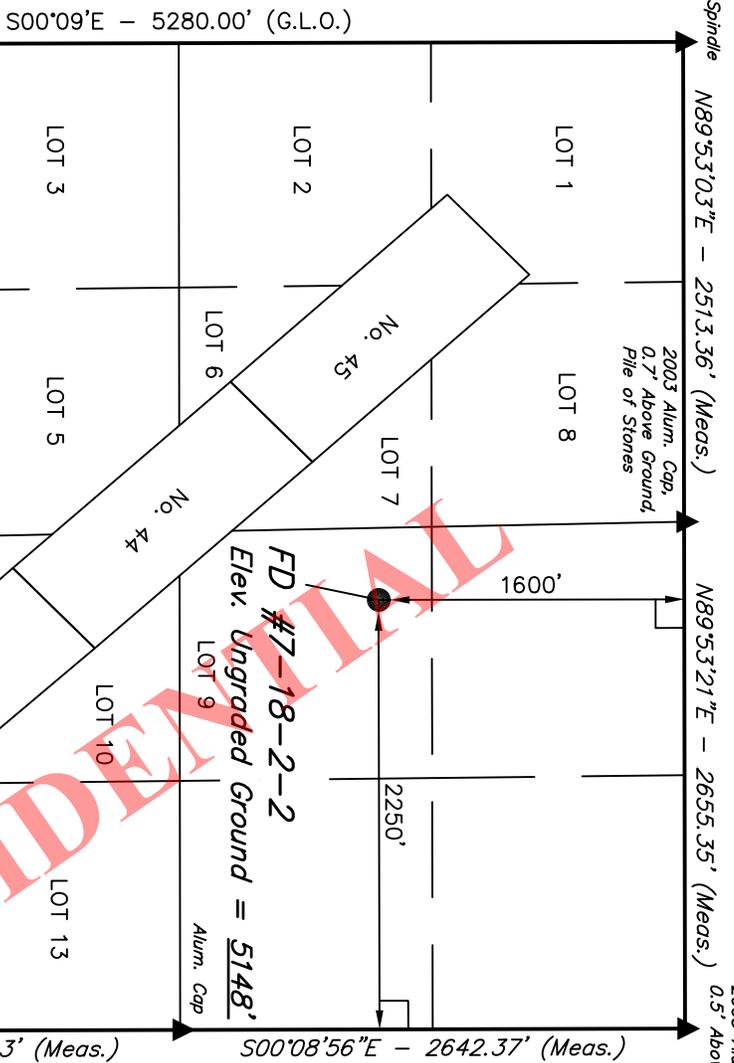
Well location, FD #7-18-2-2, located as shown in Lot 9 of Section 18, T2S, R2E, U.S.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 26, T5S, R19E, S.L.B.&M., TAKEN FROM THE VERNAL SW, QUADRANGLE, UTAH, UTAH COUNTY 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5268 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

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

**KAY ROBERTS**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH  
 05-20-12

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

SCALE	1" = 1000'	DATE SURVEYED:	05-14-12	DATE DRAWN:	05-17-12
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PARTY	C.R.	S.R.	K.O.	REFERENCES	G.L.O. PLAT
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WEATHER	WARM	FILE	BILL BARRET CORPORATION
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NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°18'43.43" (40.312064)	LONGITUDE = 109°48'40.11" (109.811142)
NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°18'43.57" (40.312103)	LONGITUDE = 109°48'37.59" (109.810442)

**LEGEND:**  
 = 90° SYMBOL  
 = PROPOSED WELL HEAD.  
 = SECTION CORNERS LOCATED.

# BILL BARRETT CORPORATION

FD #7-18-2-2

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 18, T2S, R2E, U.S.B.&M.

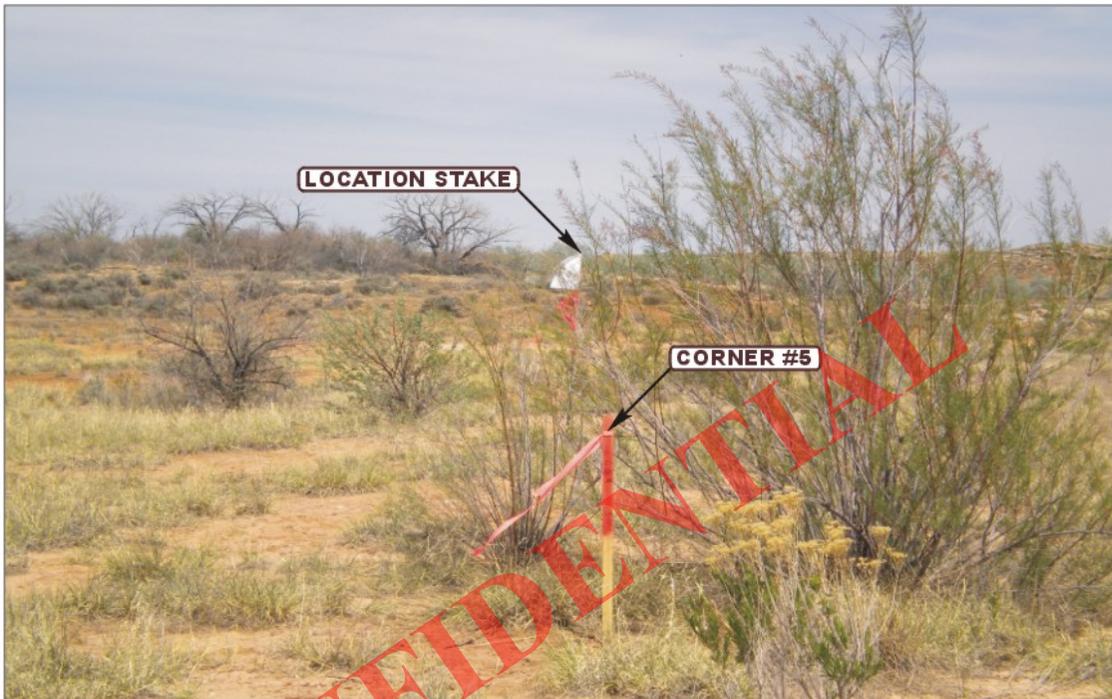


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



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

LOCATION PHOTOS	05	22	12	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: C.R.	DRAWN BY: C.I.	REVISED: 00-00-00		

**BILL BARRETT CORPORATION**

LOCATION LAYOUT FOR

FD #7-18-2-2

SECTION 18, T2S, R2E, U.S.B.&M.

1600' FNL 2250' FEL

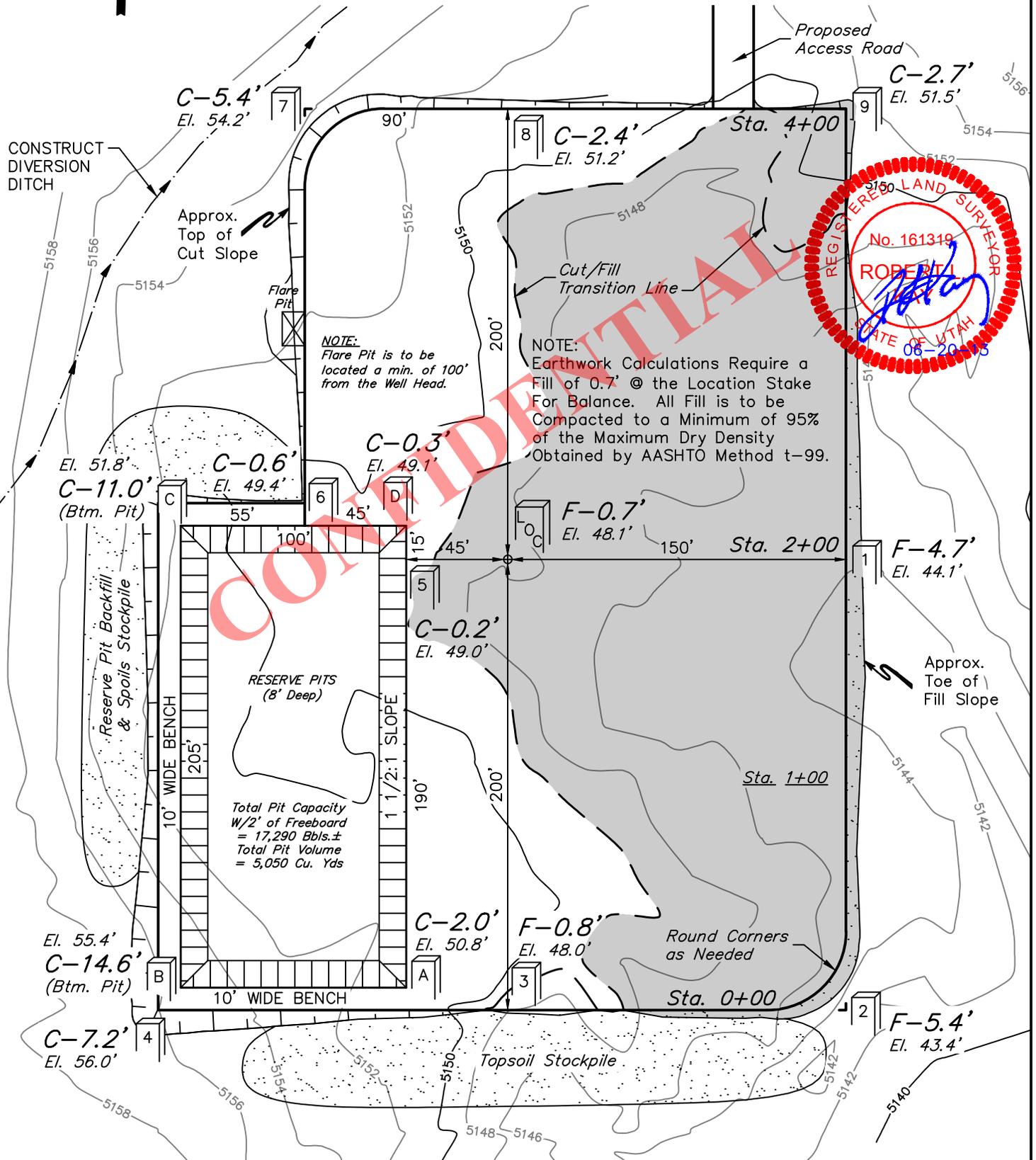
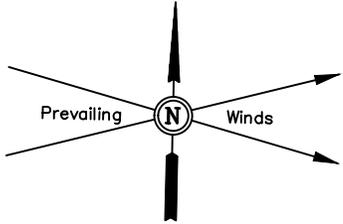
**FIGURE #1**

SCALE: 1" = 60'

DATE: 05-17-12

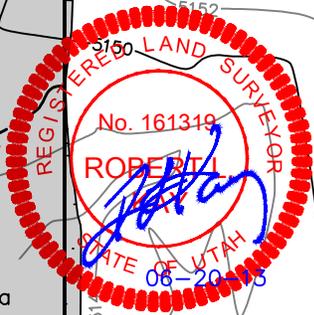
DRAWN BY: K.O.

REV: 06-20-13



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

**NOTE:**  
Earthwork Calculations Require a Fill of 0.7' @ 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.



RESERVE PITS (8' Deep)

Total Pit Capacity W/2' of Freeboard = 17,290 Bbls.±  
Total Pit Volume = 5,050 Cu. Yds

Round Corners as Needed

Elev. Ungraded Ground At Loc. Stake = 5148.1'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5148.8'

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

RECEIVED: June 27, 2013

**BILL BARRETT CORPORATION**

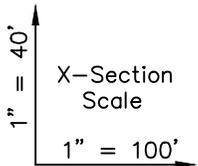
**TYPICAL CROSS SECTIONS FOR**

FD #7-18-2-2

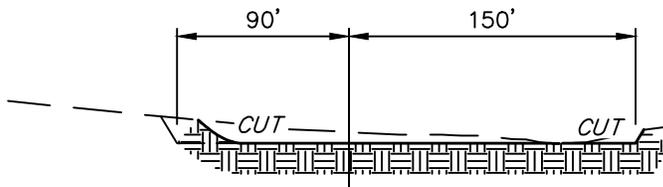
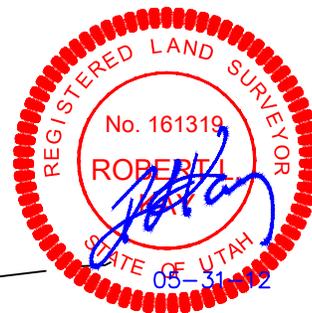
SECTION 18, T2S, R2E, U.S.B.&M.

1600' FNL 2250' FEL

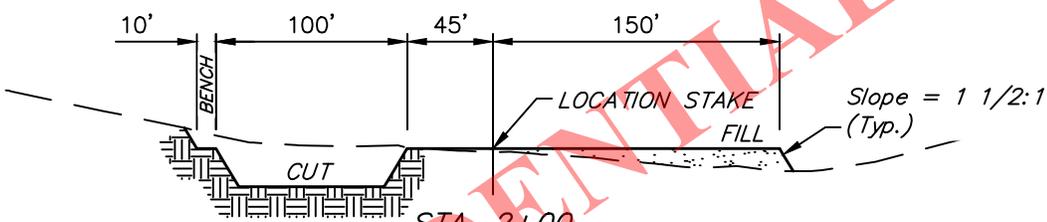
**FIGURE #2**



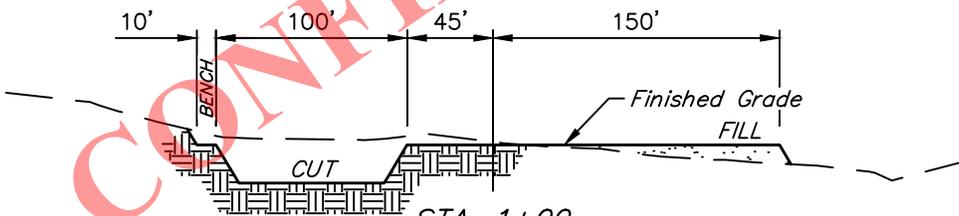
DATE: 05-17-12  
DRAWN BY: K.O.  
REV: 05-24-13 B.D.H.



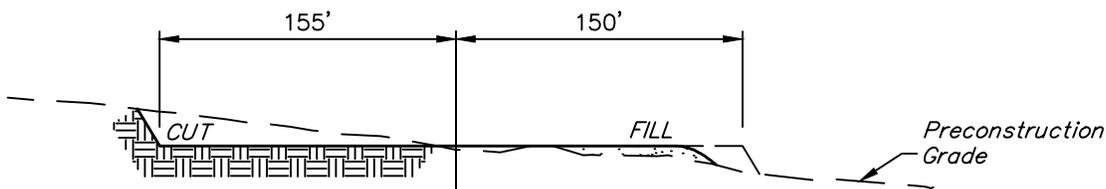
STA. 4+00



STA. 2+00



STA. 1+00



STA. 0+00

APPROXIMATE ACREAGES  
WELL SITE DISTURBANCE = ± 4.443 ACRES  
ACCESS ROAD DISTURBANCE = ± 1.128 ACRES  
PIPELINE DISTURBANCE = ± 0.365 ACRES  
TOTAL = ± 5.936 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,170 Cu. Yds.  
Remaining Location = 8,150 Cu. Yds.  
TOTAL CUT = 10,320 CU. YDS.  
FILL = 5,620 CU. YDS.

EXCESS MATERIAL = 4,700 Cu. Yds.  
Topsoil & Pit Backfill = 4,700 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Interim Rehabilitation)

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

# BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

FD #7-18-2-2

SECTION 18, T2S, R2E, U.S.B.&M.

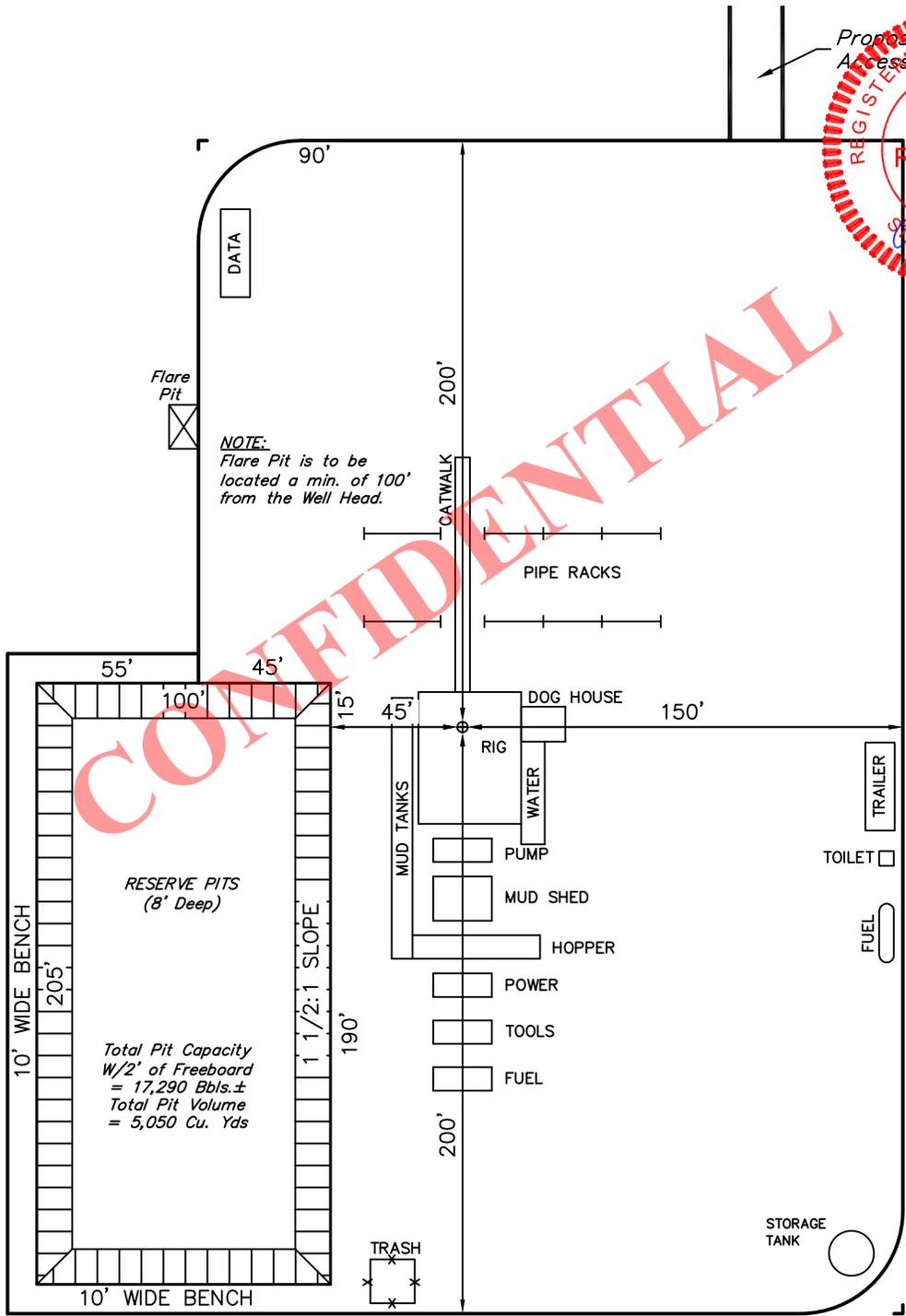
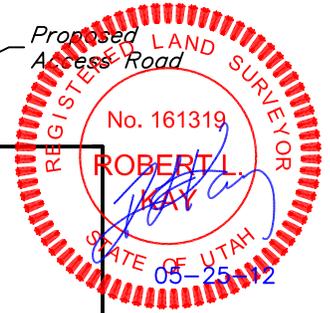
1600' FNL 2250' FEL

FIGURE #3

SCALE: 1" = 60'

DATE: 05-17-12

DRAWN BY: K.O.



**CONFIDENTIAL**

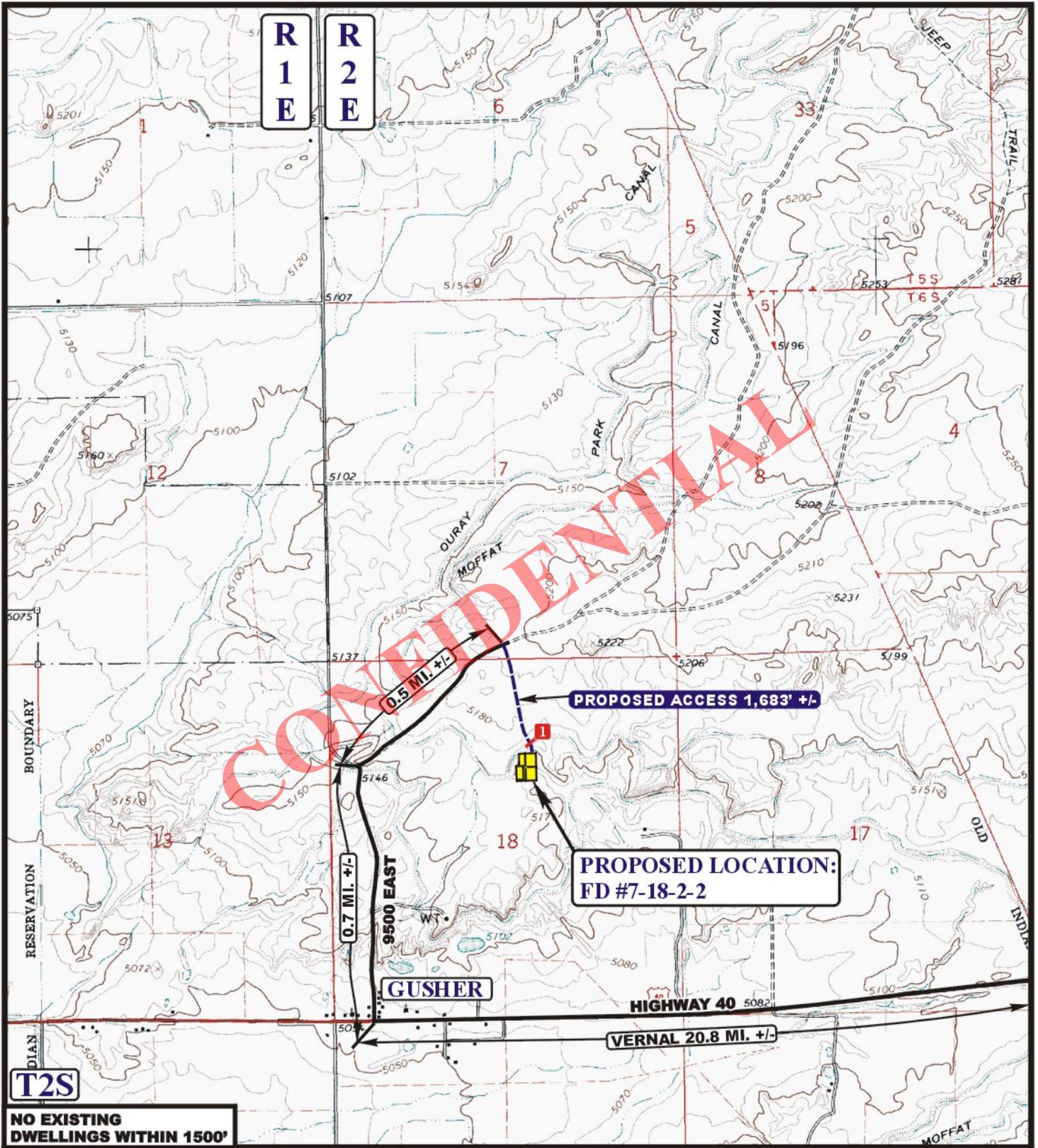
**BILL BARRETT CORPORATION**  
**FD #7-18-2-2**  
**SECTION 18, T2S, R2E, U.S.B.&M.**

PROCEED IN A WESTERLY, THEN SOUTHWESTERLY, THEN WESTERLY DIRECTION FROM VERNAL, UTAH ALONG HIGHWAY 40 APPROXIMATELY 20.8 MILES TO THE JUNCTION OF THIS ROAD AND 9500 EAST TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1,683' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 22.3 MILES.

**CONFIDENTIAL**





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  36" CMP REQUIRED



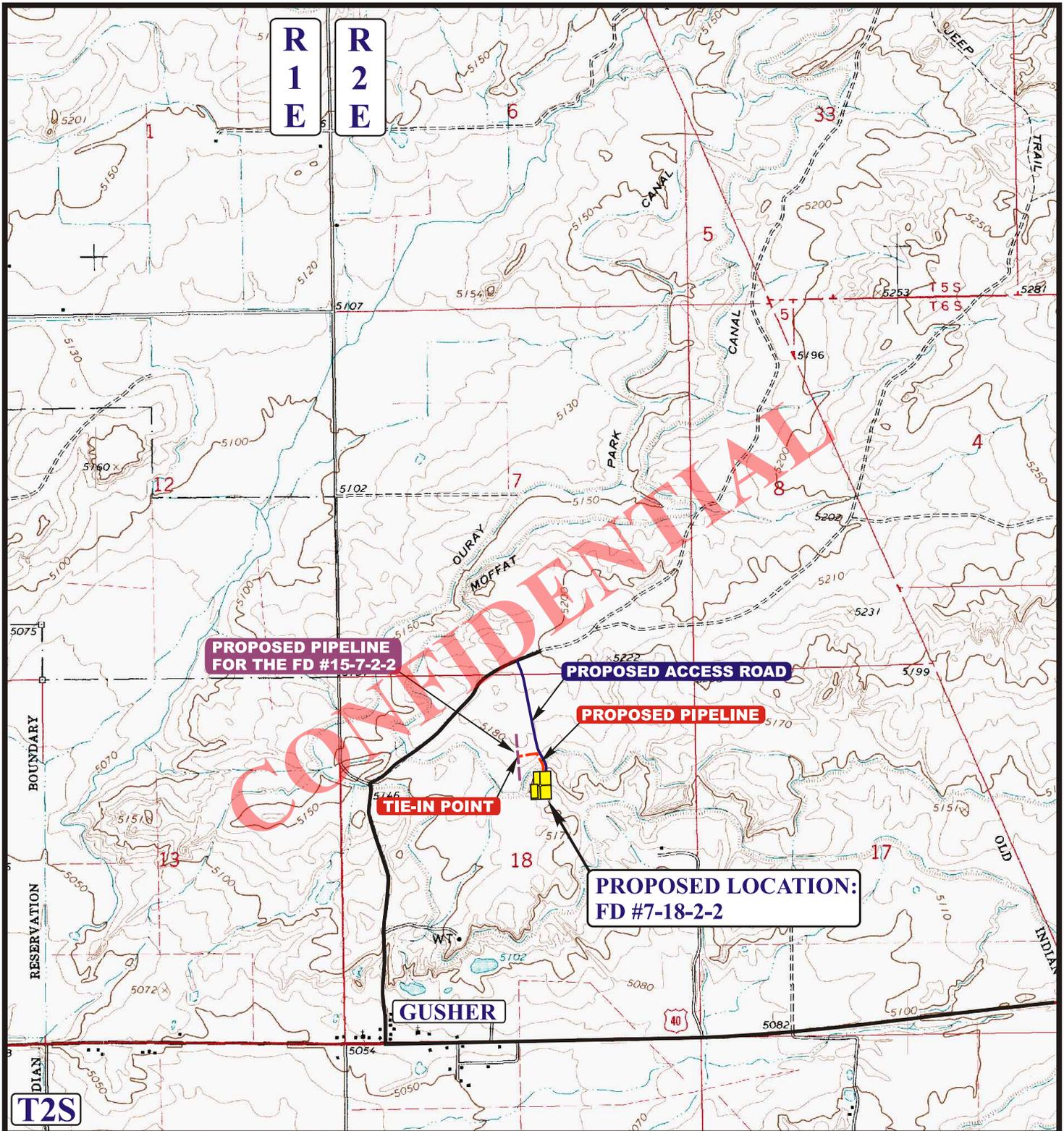
Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**BILL BARRETT CORPORATION**

**FD #7-18-2-2**  
**SECTION 18, T2S, R2E, U.S.B.&M.**  
**1600' FNL 2250' FEL**

<b>ACCESS ROAD</b>	<b>05</b>	<b>22</b>	<b>12</b>	<b>B</b>
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: C.I.		REVISED: 00-00-00



**APPROXIMATE TOTAL PIPELINE DISTANCE = 575' +/-**

**LEGEND:**

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

**BILL BARRETT CORPORATION**

**FD #7-18-2-2**  
**SECTION 18, T2S, R2E, U.S.B.&M.**  
**1600' FNL 2250' FEL**

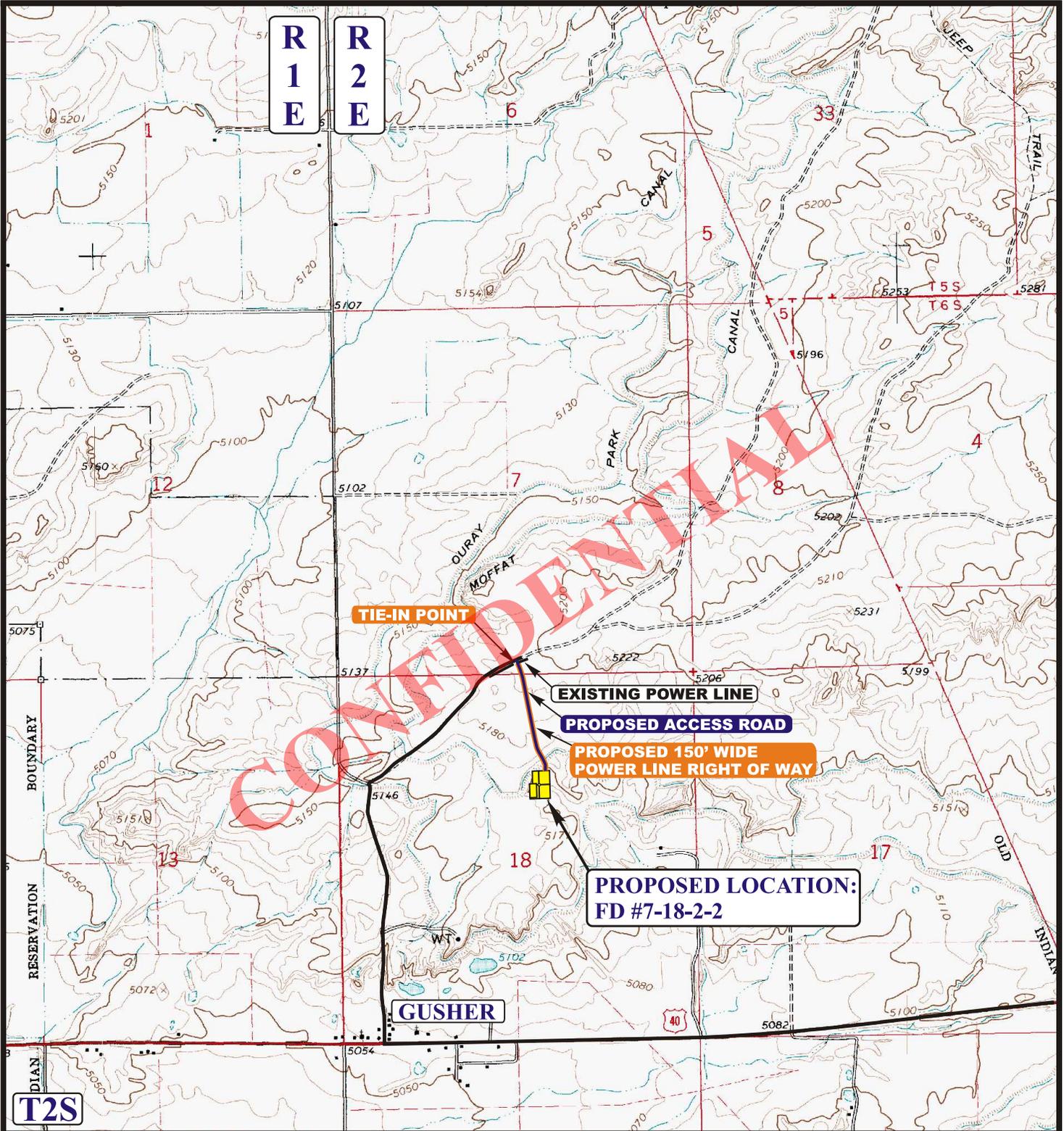


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 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC** 05 22 12  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.I. REV: 05-30-13 B.D.H.





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,637' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- - - - - EXISTING POWER LINE

**BILL BARRETT CORPORATION**

**FD #7-18-2-2**

**SECTION 18, T2S, R2E, U.S.B.&M.**

**1600' FNL 2250' FEL**

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



**TOPOGRAPHIC** 05 30 13  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00 **D**  
**TOPO**

## SURFACE USE AGREEMENT (FD 7-18-2-2)

**THIS AGREEMENT** Dated April 10, 2012 by and between

**Glenn J. Huber, Trustee of the Shirley Huber Family Living Trust executed April 1, 1982 and Shirley Huber, Trustee of the Glenn J. Huber Family Living Trust executed April 1, 1982**

whose address is P.O. Box 154, Lapoint, UT 84039 (435-247-2336), hereinafter referred to as "Surface Owner", and

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

hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owner represents 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 **SW/4NE/4, Section 18, Township 2 South, Range 2 East** 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 Owner is 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 Owner 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 owner 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 owner 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 Owner 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 Owner considers that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owner 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 Owner. The service of said notice shall be precedent to the bringing of any action by Surface Owner 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 Owner actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owner from any and all environmental problems it causes on the Lands.

8. In the event Surface Owner owns 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:

CONFIDENTIAL

**SURFACE OWNER:**

Glenn J. Huber  
**By: Glenn J. Huber, Trustee of the Shirley Huber Family Living Trust executed April 1, 1982**

Shirley Huber  
**By: Shirley Huber, Trustee of the Glenn J. Huber Family Living Trust executed April 1, 1982**

STATE of Utah

ACKNOWLEDGEMENT

COUNTY of Uintah

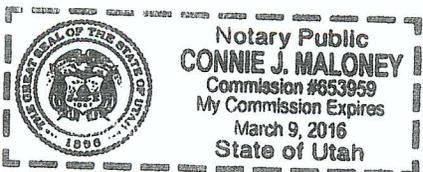
BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 11<sup>th</sup> day of April, 2012, personally appeared Glenn J. Huber and Shirley Huber, in the capacities as stated above

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

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

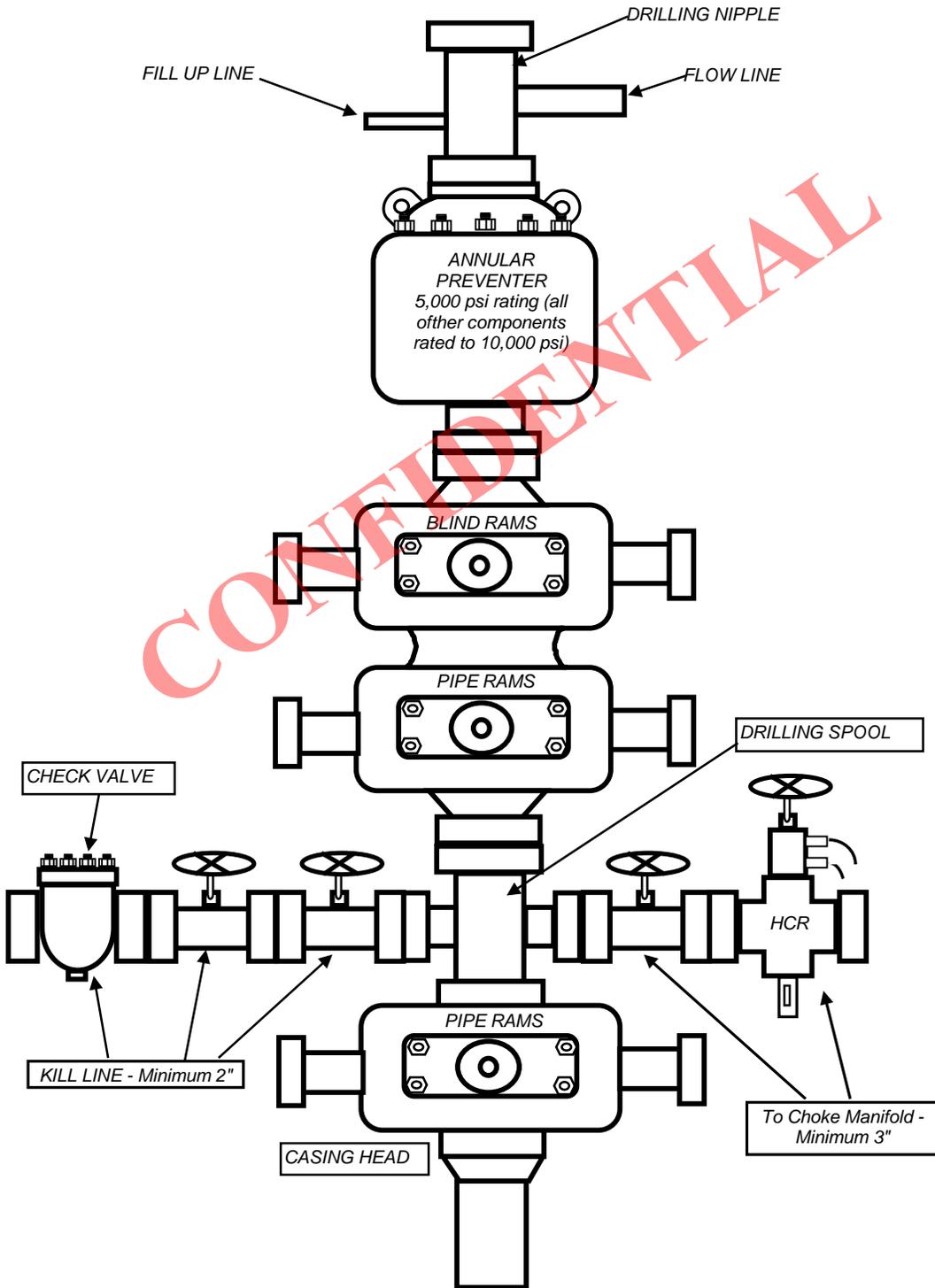
My Commission Expires: 3-9-16

Connie J. Maloney  
Notary Public:



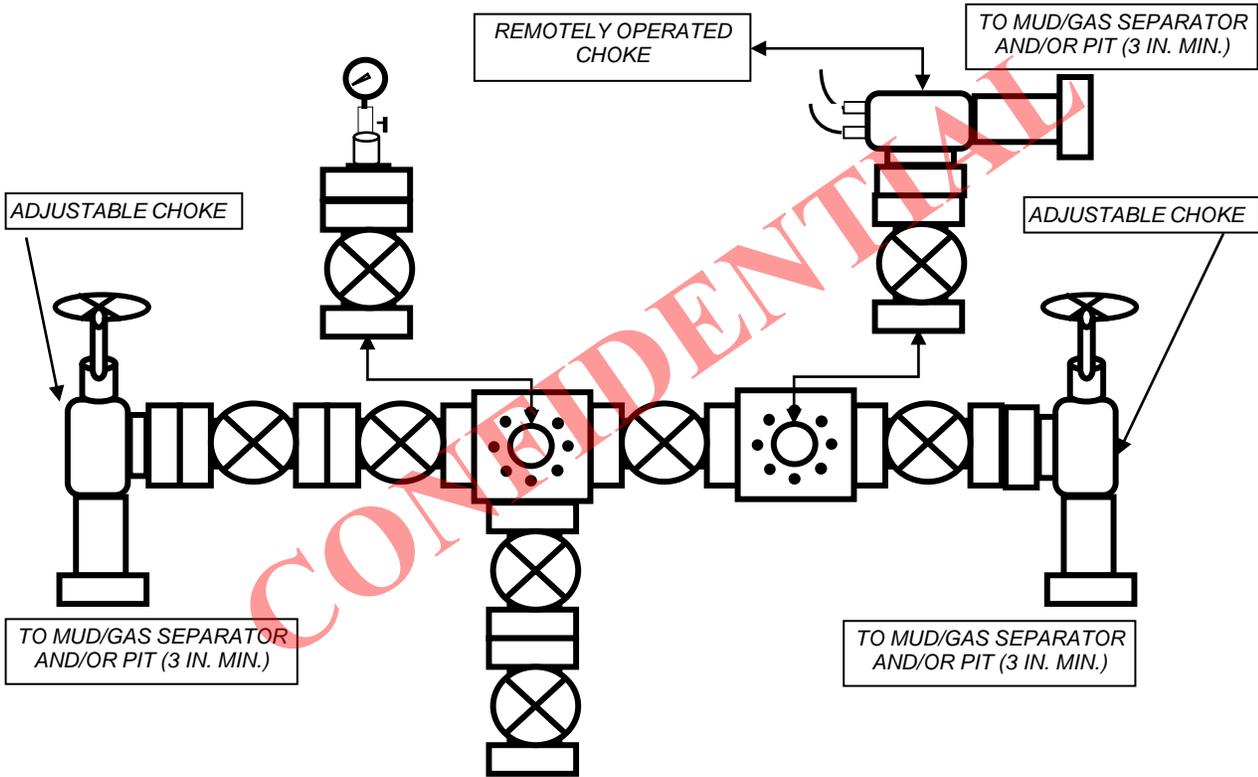
# BILL BARRETT CORPORATION

## TYPICAL 10,000 p.s.i. BLOWOUT PREVENTER

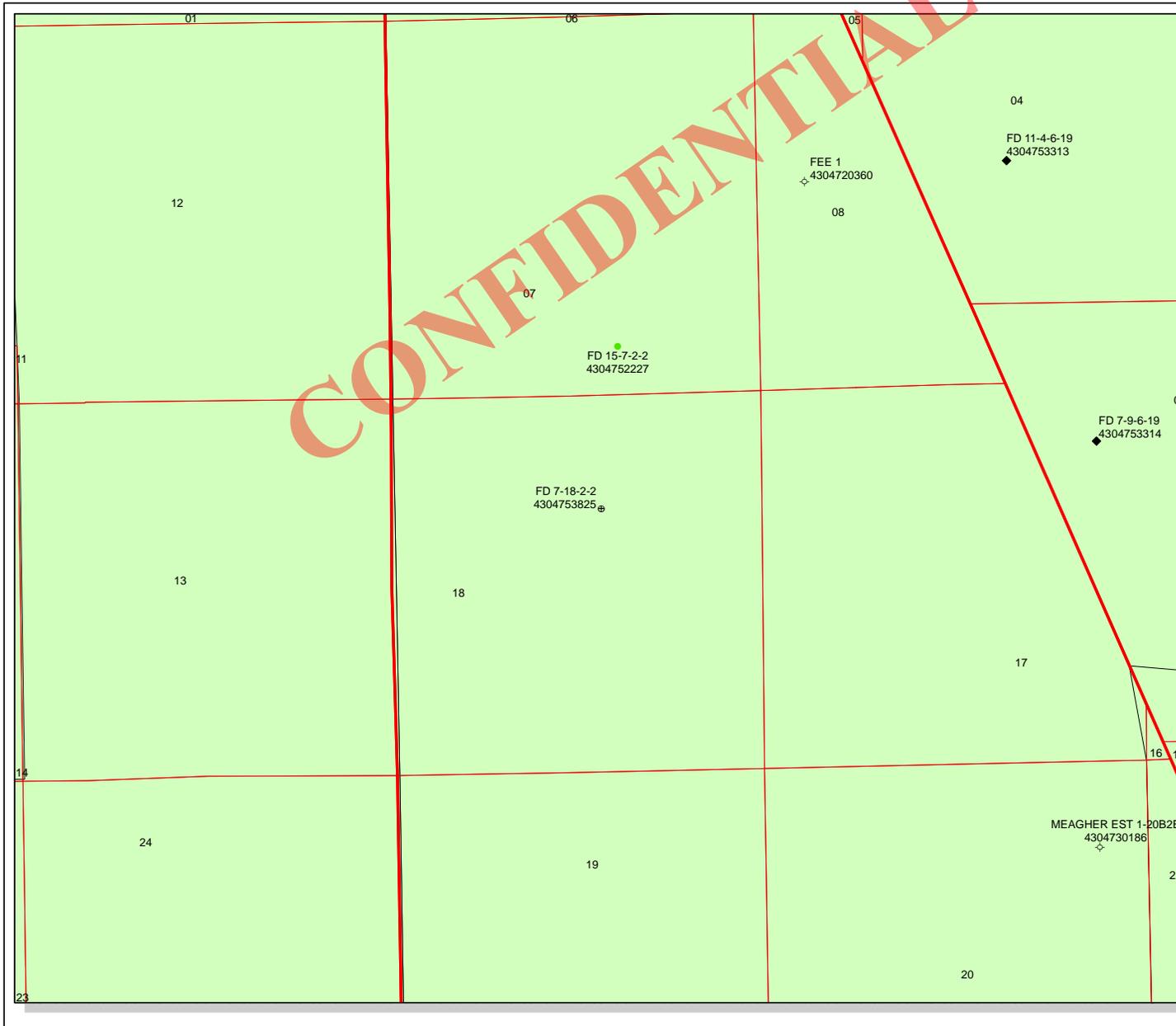


# BILL BARRETT CORPORATION

## TYPICAL 10,000 p.s.i. CHOKE MANIFOLD

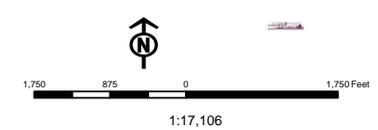


ALL EQUIPMENT IS 3" (MINIMUM).



**API Number: 4304753825**  
**Well Name: FD 7-18-2-2**  
**Township T02.0S Range R02.0E Section 18**  
**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 7-18-2-2 43047538250000

Well Name	BILL BARRETT CORP FD 7-18-2-2 43047538250000			
String	COND	SURF	I1	L1
Casing Size(")	16.000	9.625	7.000	4.500
Setting Depth (TVD)	80	2500	8733	12691
Previous Shoe Setting Depth (TVD)	0	80	2500	8733
Max Mud Weight (ppg)	8.7	9.4	10.0	12.5
BOPE Proposed (psi)	0	500	10000	10000
Casing Internal Yield (psi)	1000	3520	9950	12410
Operators Max Anticipated Pressure (psi)	6269			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=	1222	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	922	NO diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	672	NO No expected pressure
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	690	NO
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	4541	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3493	YES 11
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2620	YES 10M BOPE w/5M annular
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3170	NO OK
Required Casing/BOPE Test Pressure=		6965	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	8249	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6726	YES 11
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5457	YES 10M BOPE w/5M annular
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7378	YES OK
Required Casing/BOPE Test Pressure=		8687	psi
*Max Pressure Allowed @ Previous Casing Shoe=		8733	psi *Assumes 1psi/ft frac gradient

# 43047538250000 FD 7-18-2-2

## Casing Schematic

Surface

127

157

9-5/8"  
MW 8.7  
Frac 19.3

TOC @ *Umta*  
0.

TOC @  
2550. Surface  
2500. MD

1958' tail  
to 1802' @ 97% w/o  
tail 6748'  
\* Proposed to 2000

4200' ± BMSW

5754' Green River

6962' tail

7191' Mahogany

8067' TGR3

TOL @ 8533. 8250' Douglas Creek

TOC @ 8533. 8683' Black Shale

Intermediate 8951' 8733. MD Castle Peak

9230' Uteland Butte

9691' Wasatch

7"  
MW 10.  
Frac 19.3

4-1/2"  
MW 12.5

Production Liner  
12691. MD

Stop cuts

**CONFIDENTIAL**

Well name:	<b>43047538250000 FD 7-18-2-2</b>	
Operator:	<b>BILL BARRETT CORP</b>	Project ID:
String type:	Surface	43-047-53825
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: 109 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft  
 Cement top: Surface

**Burst**

Max anticipated surface pressure: 2,200 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 2,500 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: 2,178 ft

**Non-directional string:**

**Re subsequent strings:**

Next setting depth: 8,733 ft  
 Next mud weight: 10.000 ppg  
 Next setting BHP: 4,537 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,500 ft  
 Injection pressure: 2,500 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	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	21730
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	1130	2020	1.788	2500	3520	1.41	78.4	394	5.02 J

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

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

Date: August 1, 2013  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2500 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>43047538250000 FD 7-18-2-2</b>		
Operator:	<b>BILL BARRETT CORP</b>	Project ID:	43-047-53825
String type:	Intermediate		
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 5,449 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 7,370 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: 7,416 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 196 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 2,550 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 12,691 ft  
 Next mud weight: 12.500 ppg  
 Next setting BHP: 8,241 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 8,733 ft  
 Injection pressure: 8,733 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	8733	7	26.00	P-110	LT&C	8733	8733	6.151	90780
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	4537	6230	1.373	7370	9950	1.35	227.1	693	3.05 J

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

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

Date: August 1, 2013  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 8733 ft, a mud weight of 10 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>43047538250000 FD 7-18-2-2</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Production Liner	Project ID:	43-047-53825
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 12.500 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 252 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 8,533 ft

Liner top: 8,533 ft

**Burst**

Max anticipated surface pressure: 5,449 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 8,241 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 11,918 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	4191	4.5	13.50	P-110	LT&C	12691	12691	3.795	23484
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	8241	10680	1.296	8241	12410	1.51	56.6	338	5.97 J

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

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

Date: August 1, 2013  
 Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12691 ft, a mud weight of 12.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** BILL BARRETT CORP  
**Well Name** FD 7-18-2-2  
**API Number** 43047538250000      **APD No** 8139    **Field/Unit** MOFFAT CANAL  
**Location: 1/4,1/4 SWNE Sec 18 Tw 2.0S Rng 2.0E** 1600 FNL 2250 FEL  
**GPS Coord (UTM)** 601017 4463075      **Surface Owner** GLENN AND SHIRLEY HUBER

### Participants

Jake Woodland, Kary Eldredge (Bill Barrett Corporation), Cody Rich (surveyor), Jim Burns (permit contractor)

### Regional/Local Setting & Topography

This proposed well site is just north and east of Gusher, Utah which is approximately midway between the larger towns of Vernal and Roosevelt, Utah. The terrain here is made up of small scattered hills and dry washes. The soil is mostly quite permeable sandy loam which supports sage brush and various desert grasses. This location sits in a sort of bowl which slopes away to the south. The Moffat canal runs above the location on the north and west.

### Surface Use Plan

#### **Current Surface Use**

Wildlfe Habitat

#### **New Road**

**Miles**

0.3

#### **Well Pad**

**Width 300 Length 400**

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

The vegetation at this site consists primarily of sage brush and various desert grasses and shrubs. Good pronghorn habitat.

Site also houses shadscale, tamarisk and russian olive

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

Sandy clay loam, with graveled sprinkled on surface. Some exposed sand stone bedrock.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** Y

Minor diversion needed

**Berm Required? Y****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>	20
<b>Distance to Surface Water (feet)</b>	200 to 300    10
<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>	Present    15
<b>Final Score</b>	80    1 Sensitivity Level

**Characteristics / Requirements**

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

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

**Other Observations / Comments**

Richard Powell  
Evaluator

6/19/2013  
Date / Time

# Application for Permit to Drill Statement of Basis

## Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8139	43047538250000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	GLENN AND SHIRLEY HUBER	
<b>Well Name</b>	FD 7-18-2-2		<b>Unit</b>		
<b>Field</b>	MOFFAT CANAL		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNE 18 2S 2E U 1600 FNL 2250 FEL GPS Coord (UTM) 601016E 4463079N				

### 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 4,200'. A search of Division of Water Rights records shows 10 water wells within a 10,000 foot radius of the center of Section 18. These wells range in depth from 115-500 feet. Listed uses are domestic, irrigation and stock watering. The wells probably produce water from 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

7/2/2013  
Date / Time

### Surface Statement of Basis

This proposed well is on fee surface with fee minerals. Surface owner Glenn Huber was invited but chose not to attend this onsite inspection and stated that he had no concerns with this site. This is an area of open desert with sandy soils, small broken and rugged hills and some exposed ledge rock. The Moffat irrigation canal runs above this location just to the north and west. According to BBC representative Kary Eldredge a 20 mil liner and felt subliner will be used for this reserve pit. Due to very permeable soils and isolated rugged terrain this well pad must be bermed to keep any leaked or spilled fluids contained to the pad. A drainage diversion will be needed around the north end of this location but it appears to be a good site for this well.

Richard Powell  
Onsite Evaluator

6/19/2013  
Date / Time

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

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/30/2013

API NO. ASSIGNED: 43047538250000

WELL NAME: FD 7-18-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNE 18 020S 020E

Permit Tech Review: 

SURFACE: 1600 FNL 2250 FEL

Engineering Review: 

BOTTOM: 1600 FNL 2250 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.31212

LONGITUDE: -109.81117

UTM SURF EASTINGS: 601016.00

NORTHINGS: 4463079.00

FIELD NAME: MOFFAT CANAL

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

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

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

## LOCATION AND SITING:

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

 R649-2-3.

Unit:

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

Board Cause No: Cause 139-42

Effective Date: 4/12/1985

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

 R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet  
5 - Statement of Basis - bhill  
12 - Cement Volume (3) - ddoucet  
25 - Surface Casing - hmacdonald



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** FD 7-18-2-2  
**API Well Number:** 43047538250000  
**Lease Number:** fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 8/12/2013

### Issued to:

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

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-42. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

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

### Commingle:

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

### General:

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

### Conditions of Approval:

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

Cement volume for the 7" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

### Additional Approvals:

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

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

**Notification Requirements:**

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

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

**Contact Information:**

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

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

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

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

**Approved by:**

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<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 7-18-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1600 FNL 2250 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 18 Township: 02.0S Range: 02.0E Meridian: U	9. API NUMBER: 43047538250000
PHONE NUMBER: 303 312-8134 Ext	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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/21/2013	<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 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.

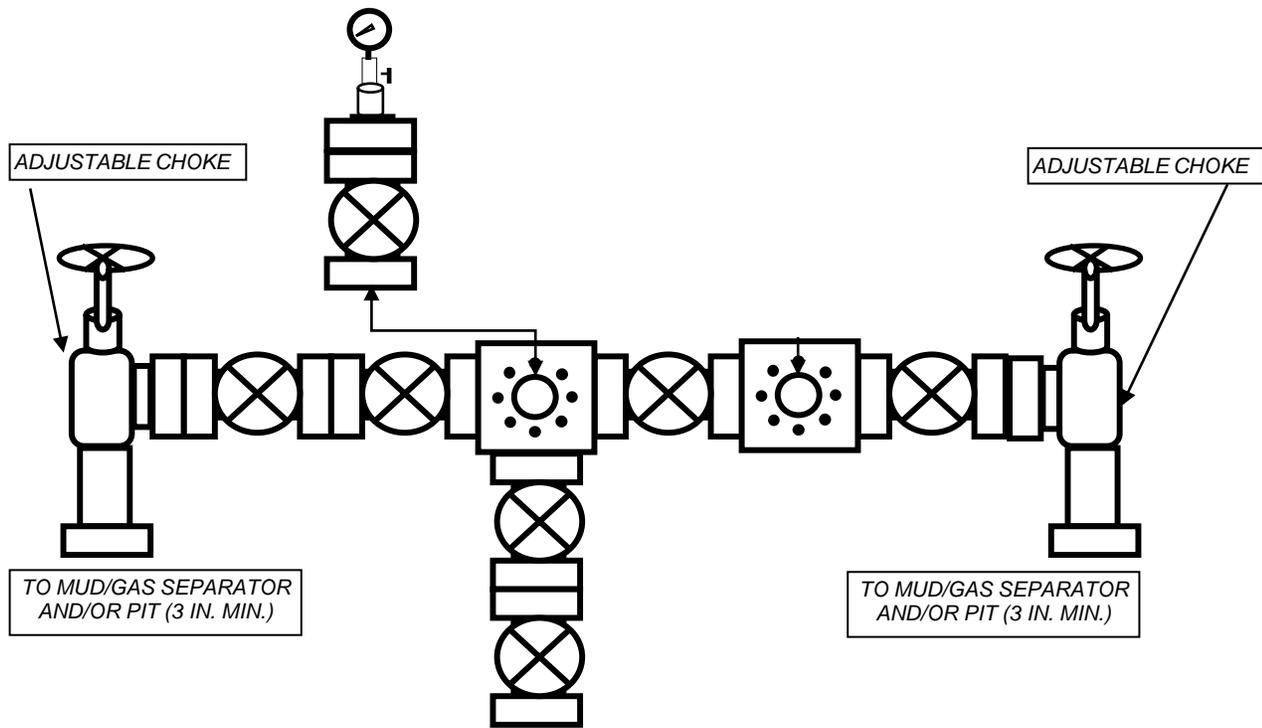
Attached, please find the updated 10M# choke manifold diagram and pressure control equipment description for this well.

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** August 21, 2013  
**By:** *D. K. Quist*

<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> 8/21/2013	

# BILL BARRETT CORPORATION

## TYPICAL 10,000 p.s.i. CHOKE MANIFOLD



ALL EQUIPMENT IS 3" (MINIMUM).

### 3. 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. Two (2) pipe rams (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) manual and hydraulic choke line valves (3-inch minimum).
6. Remote kill line (2-inch minimum).
7. Two (2) chokes with one 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. Wear ring in casing head.
13. Pressure gauge on choke manifold.
14. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 10,000 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:**

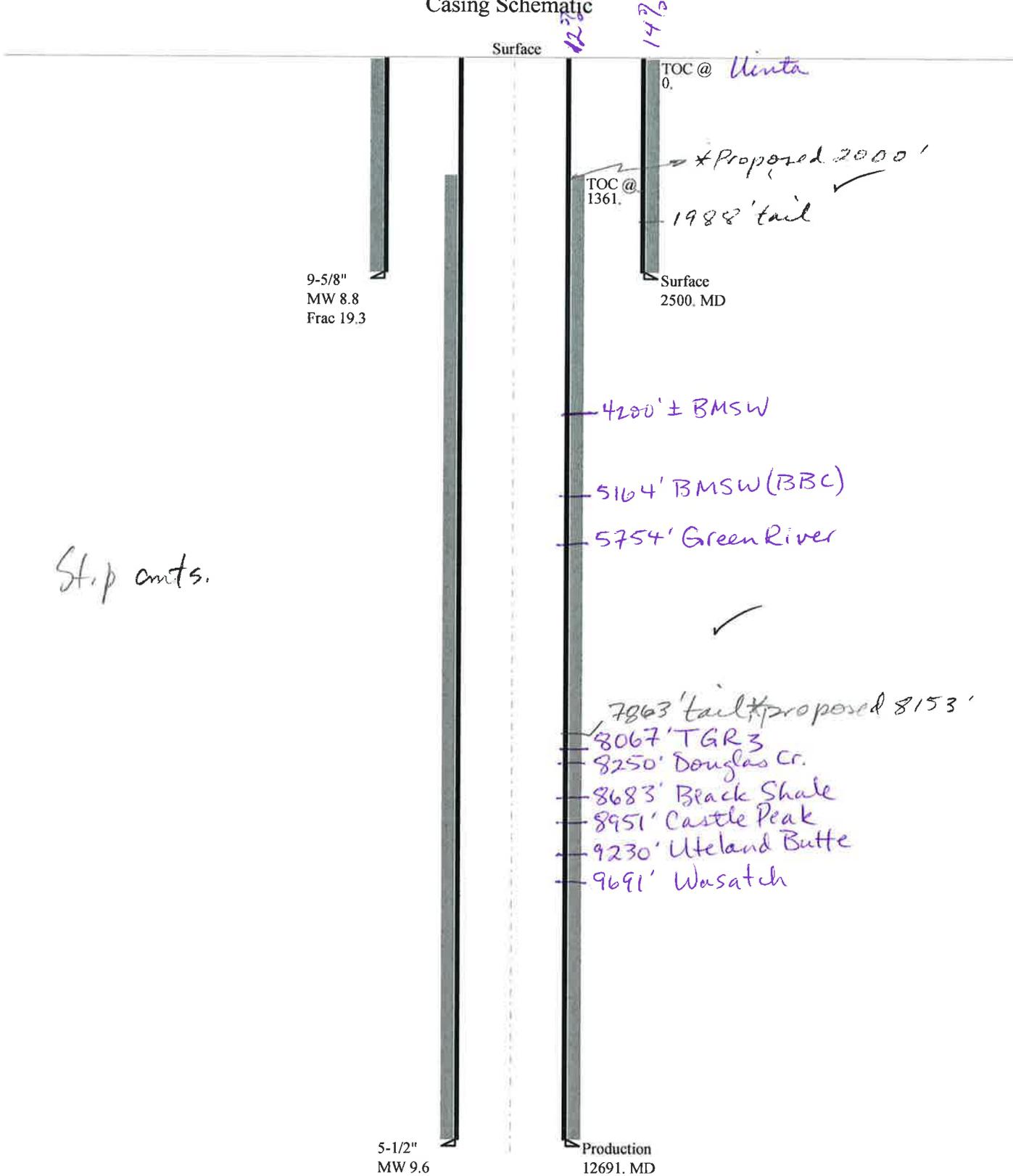
The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. 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.



# 43047538250000 FD 7-18-2-2rev

## Casing Schematic



Strip cmts.

Well name:	<b>43047538250000 FD 7-18-2-2rev</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Surface	Project ID:	43-047-53825
Location:	UINTAH COUNTY		

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

Mud weight: 8.800 ppg  
Design is based on evacuated pipe.

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

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 109 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,500 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: 2,174 ft

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

Next setting depth: 12,691 ft  
Next mud weight: 9.600 ppg  
Next setting BHP: 6,329 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure: 2,500 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	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	21730
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	1143	2020	1.768	2500	3520	1.41	78.3	394	5.03 J

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

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

Date: May 29, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	<b>43047538250000 FD 7-18-2-2rev</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Production	Project ID:	43-047-53825
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 9.600 ppg  
 Internal fluid density: 1.100 ppg

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 252 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 1,361 ft

**Burst**

Max anticipated surface pressure: 3,537 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 6,329 psi

No backup mud specified.

**Tension:**

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

**Non-directional string.**

Tension is based on buoyed weight.  
 Neutral point: 10,844 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12691	5.5	17.00	P-110	LT&C	12691	12691	4.767	83593
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	5604	7480	1.335	6329	10640	1.68	184.3	445	2.41 J

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

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

Date: May 29, 2014  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 12691 ft, a mud weight of 9.6 ppg. An internal gradient of .057 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

**BOPE REVIEW** **BILL BARRETT** **FD 7-18-2-2rev** **API 43-047-53825-0000**

**INPUT**

Well Name

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

BILL BARRETT		FD 7-18-2-2rev		API 43-047-53825-0000	
String 1		String 2			
	9 5/8		5 1/2		
	2500		12691		
	40.5		2500		
	8.8		9.6		
	500		5000		
	3520		10640		
	6269		9.5 ppg		

**Calculations**

Max BHP [psi]

MASP (Gas) [psi]

MASP (Gas/Mud) [psi]

Pressure At Previous Shoe

Required Casing/BOPE Test Pressure

\*Max Pressure Allowed @ Previous Casing Shoe =

	String 1	String 2
Max BHP [psi]	9 5/8 "	5 1/2 "
	.052*Setting Depth*MW =	1144
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	844
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	594
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	603
Required Casing/BOPE Test Pressure		2464 psi
*Max Pressure Allowed @ Previous Casing Shoe =		41 psi

BOPE Adequate For Drilling And Setting Casing at Depth?

NO

NO

\*Can Full Expected Pressure Be Held At Previous Shoe?

NO

2464 psi

\*Assumes 1psi/ft frac gradient

diverter or rotating head

**Calculations**

Max BHP [psi]

MASP (Gas) [psi]

MASP (Gas/Mud) [psi]

Pressure At Previous Shoe

Required Casing/BOPE Test Pressure

\*Max Pressure Allowed @ Previous Casing Shoe =

	String 2
Max BHP [psi]	5 1/2 "
	.052*Setting Depth*MW =
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =
Required Casing/BOPE Test Pressure	
*Max Pressure Allowed @ Previous Casing Shoe =	

BOPE Adequate For Drilling And Setting Casing at Depth?

YES

YES

\*Can Full Expected Pressure Be Held At Previous Shoe?

NO

4093

\*Assumes 1psi/ft frac gradient

5M, drilling spool, blind & pipe rams, choke & kill lines

5000 psi

2500 psi

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

**FD 7-18-2-2**

Lot 9, SWNE, 1600' FNL and 2250' FEL, Section 18, T2S-R2E, USB&M (surface hole)  
 Lot 9, SWNE, 1600' FNL and 2250' FEL, Section 18, T2S-R2E, USB&M (bottom hole)  
 Uintah County, Utah

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

<u>Formation</u>	<u>Depth – MD/TVD</u>
Green River	5754'
Mahogany	7191'
TGR3*	8067'
Douglas Creek	8250'
Black Shale	8683'
Castle Peak	8951'
Uteland Butte	9230'
Wasatch*	9691'
TD	12691'

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

Base of Useable Water = 5164'

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2500'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)
2500' – TD	11" 10000# Double Ram Type BOP (Pipe/Blind) 11" 10000# Single Pipe Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2,500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
 Drilling Program  
 FD 7-18-2-2 **REVISED**  
 Uintah County, Utah

5. **Cementing Program**

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 360 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 @ 2000
5 1/2" Production Casing	Lead: 1010 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 2000' Tail: 1220 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 @ 8153'

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,500' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

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

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

8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 6269 psi\* and maximum anticipated surface pressure equals approximately 3477 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 7-18-2-2 **REVISED**  
Uintah County, Utah

**9. Auxiliary Equipment**

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

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

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

**11. Drilling Schedule**

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

**12. Appendix A**

If we pre-set the 9-5/8" casing on this well with a spudder rig, the following equipment shall be in place and operational during air/gas drilling:

- Blooie line discharge will be a minimum of **45'** from well bore and securely anchored
- Mud circulating equipment and a minimum of 200 bbls of water will be on location (Volume sufficient to maintain the capacity of the hole and circulating tanks or pits).
- No igniter will be on blooie line while drilling the surface hole
- The spudder/air rig air compressor will be located on the rig



# Bill Barrett Corporation

## EAST BLUEBELL CEMENT VOLUMES

Well Name: **FD 7-18-2-2 REVISED**

### Surface Hole Data:

Total Depth:	2,500'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	1096.1	ft <sup>3</sup>
Lead Fill:	2,000'	
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:	360
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	2,000'	

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

### Production Hole Data:

Total Depth:	12,691'
Top of Cement:	2,000'
Top of Tail:	8,153'
OD of Hole:	8.750"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	2331.3	ft <sup>3</sup>
Lead Fill:	6,153'	
Tail Volume:	1719.6	ft <sup>3</sup>
Tail Fill:	4,538'	

### 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:	1010
# SK's Tail:	1220

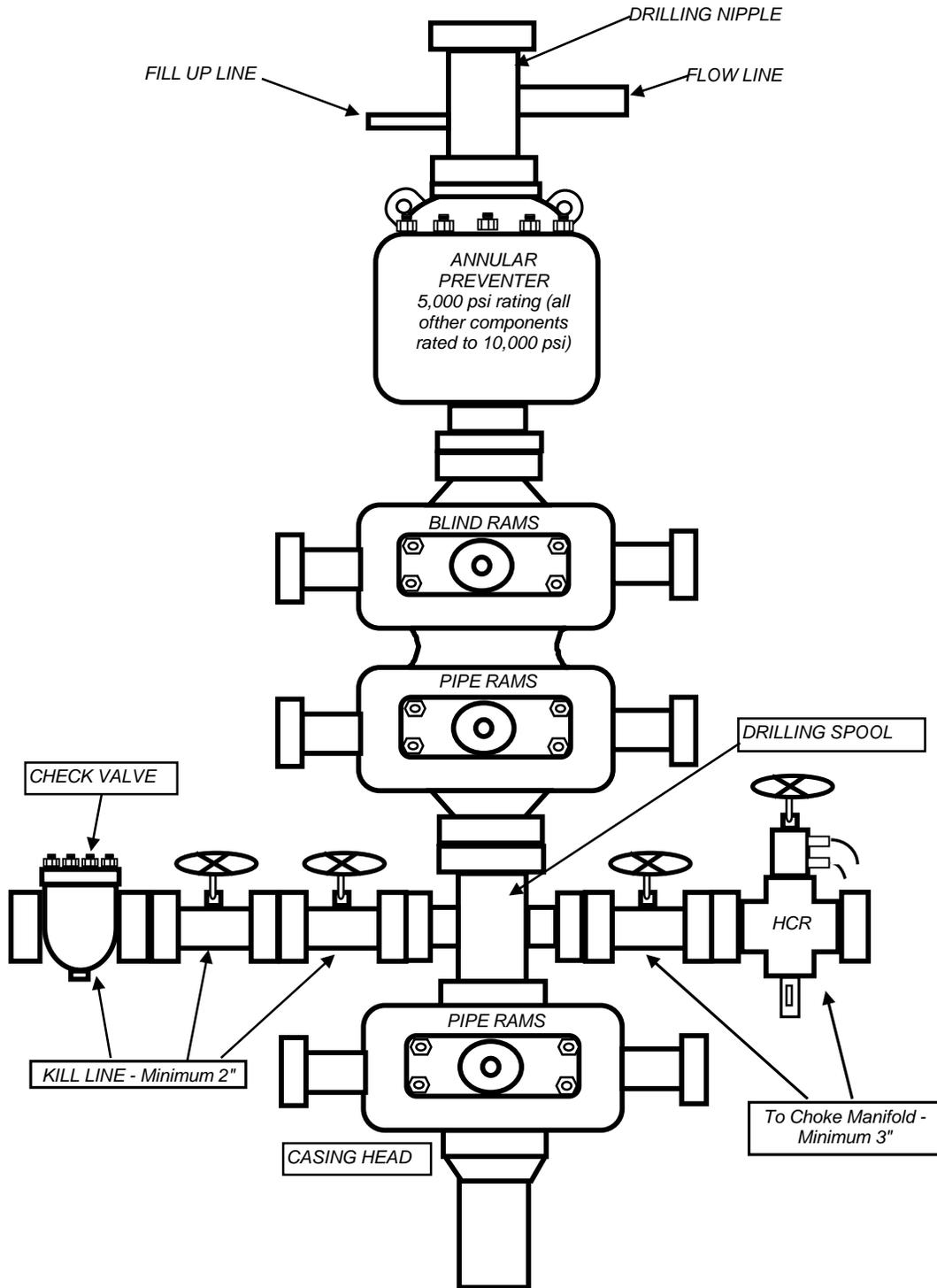
<b>FD 7-18-2-2 REVISED Proposed Cementing Program</b>
---

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (2000' - 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: 2,000'
	Volume: 195.22 bbl
	<b>Proposed Sacks: 360 sks</b>
<b>Tail Cement - (TD - 2000')</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: 2,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	<b>Proposed Sacks: 210 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (8153' - 2000')</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: 2,000'
	Calculated Fill: 6,153'
	Volume: 415.19 bbl
	<b>Proposed Sacks: 1010 sks</b>
<b>Tail Cement - (12691' - 8153')</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: 8,153'
	Calculated Fill: 4,538'
	Volume: 306.25 bbl
	<b>Proposed Sacks: 1220 sks</b>

# BILL BARRETT CORPORATION

## TYPICAL 10,000 p.s.i. BLOWOUT PREVENTER



### 3. 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. Two (2) pipe rams (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) manual and hydraulic choke line valves (3-inch minimum).
6. Remote kill line (2-inch minimum).
7. Two (2) chokes with one 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. Wear ring in casing head.
13. Pressure gauge on choke manifold.
14. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 10,000 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).

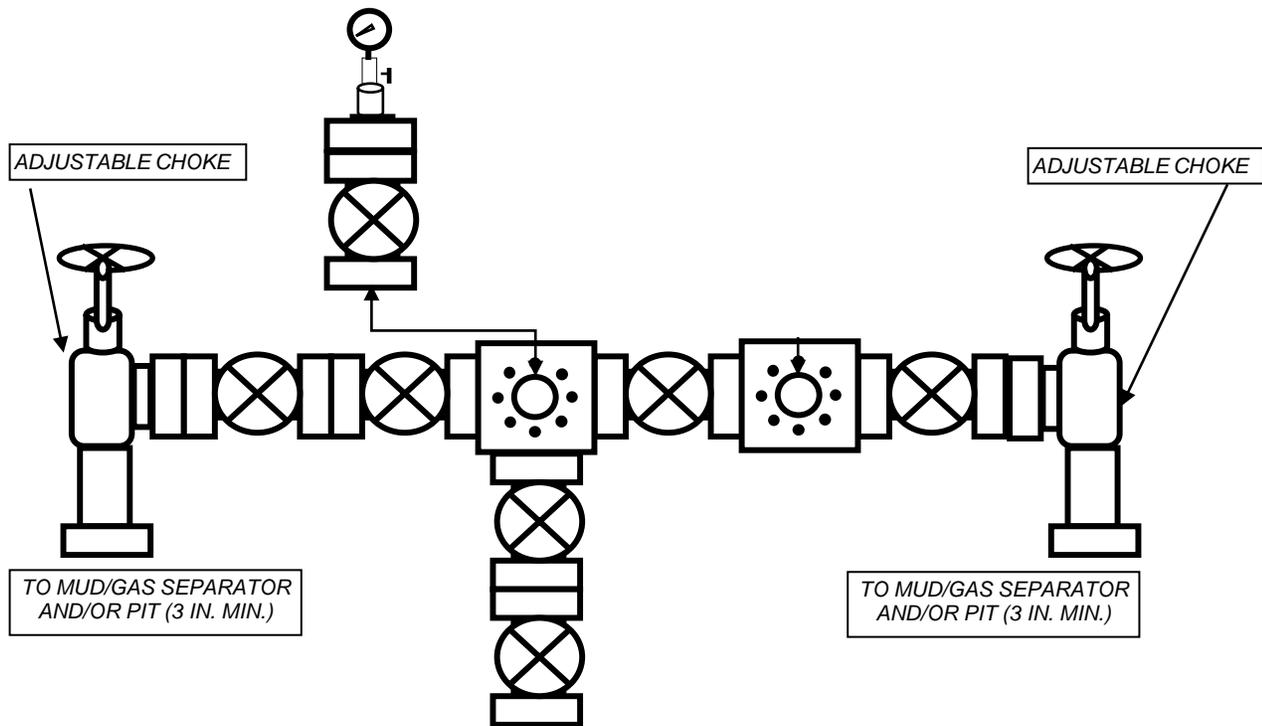
**F. Miscellaneous Information:**

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 choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. 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.

# BILL BARRETT CORPORATION

## TYPICAL 10,000 p.s.i. CHOKE MANIFOLD



ALL EQUIPMENT IS 3" (MINIMUM).

<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 7-18-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538250000
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: 1600 FNL 2250 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 18 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>6/9/2014</b>	<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 WELL STATUS	<input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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"/> 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"/> 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
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="5000# BOPE"/>

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

BBC is requesting permission to change to 5000# BOPE. See attached, updated drilling plan.

**Approved by the Utah Division of Oil, Gas and Mining**  
 June 12, 2014

Date: \_\_\_\_\_

By: *Derek Duff*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/9/2014	

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

**FD 7-18-2-2**

Lot 9, SWNE, 1600' FNL and 2250' FEL, Section 18, T2S-R2E, USB&M (surface hole)  
 Lot 9, SWNE, 1600' FNL and 2250' FEL, Section 18, T2S-R2E, USB&M (bottom hole)  
 Uintah County, Utah

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

<u>Formation</u>	<u>Depth – MD/TVD</u>
Green River	5754'
Mahogany	7191'
TGR3*	8067'
Douglas Creek	8250'
Black Shale	8683'
Castle Peak	8951'
Uteland Butte	9230'
Wasatch*	9691'
TD	12691'

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

Base of Useable Water = 5164'

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2500'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)
2500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2,500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
 Drilling Program  
 FD 7-18-2-2 **REVISED**  
 Uintah County, Utah

### 5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 360 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 @ 2000
5 1/2" Production Casing	Lead: 1010 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 2000' Tail: 1220 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 @ 8153'

### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,500' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

### 7. Testing, Logging and Core Programs

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

### 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 6269 psi\* and maximum anticipated surface pressure equals approximately 3477 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 7-18-2-2 **REVISED**  
Uintah County, Utah

**9. Auxiliary Equipment**

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

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

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

**11. Drilling Schedule**

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

**12. Appendix A**

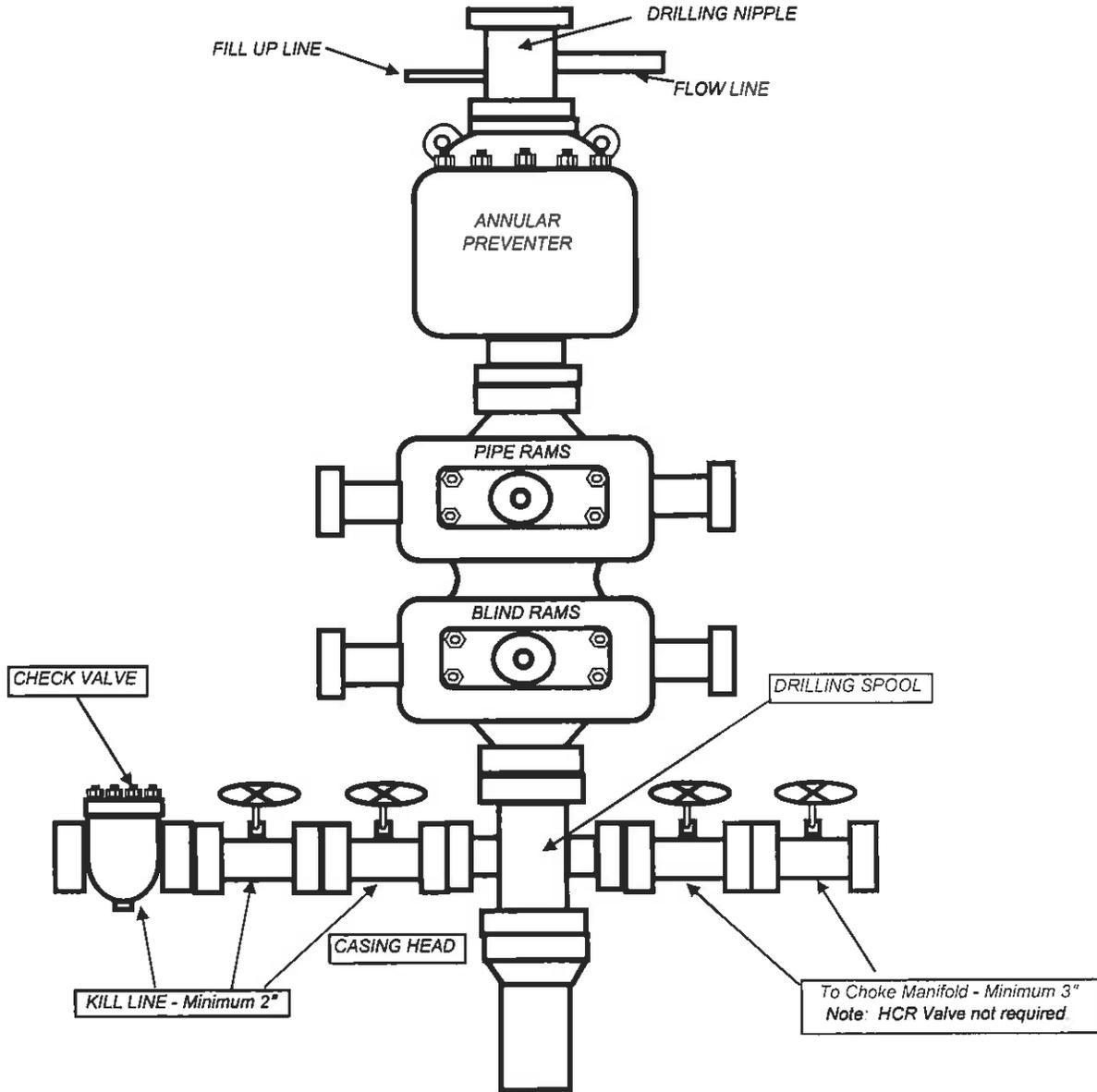
If we pre-set the 9-5/8" casing on this well with a spudder rig, the following equipment shall be in place and operational during air/gas drilling:

- Blooie line discharge will be a minimum of **45'** from well bore and securely anchored
- Mud circulating equipment and a minimum of 200 bbls of water will be on location (Volume sufficient to maintain the capacity of the hole and circulating tanks or pits).
- No igniter will be on blooie line while drilling the surface hole
- The spudder/air rig air compressor will be located on the rig



# BILL BARRETT CORPORATION

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



**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.

<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 7-18-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538250000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1600 FNL 2250 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 18 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: <b>6/20/2014</b>	<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: 6/20/14 Spud Time: 8:30 AM Commence  
 Drilling approximate start date: 7/20/2014

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 23, 2014

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/23/2014	

<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>	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	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 7-18-2-2
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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: 1600 FNL 2250 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 18 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 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: 6/30/2014	<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 June 2014 Drilling Activity for this well.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY**  
 July 11, 2014

<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/8/2014	

**FD 07-18-2-2 6/27/2014 18:00 - 6/28/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 2,493.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	12.00	06:00	1	RIGUP & TEARDOWN	RDRT

**FD 07-18-2-2 6/28/2014 06:00 - 6/29/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 2,493.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	MIRU.
18:00	6.00	00:00	14	NIPPLE UP B.O.P	NU riser, flowline. Rack and strap BHA. Rig on daywork @ 18:00.
00:00	4.00	04:00	20	DIRECTIONAL WORK	MU bit, mm, shock sub, reamers, gap sub, ubho.
04:00	2.00	06:00	2	DRILL ACTUAL	Steerable drlg 80' - 122'. Spp 600 psi, dp 150 psi, 475 gpm, rpm 55/77, wob 7 k, rop 20 fph.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted  
By Pat Clark Phone Number 303-353-5374  
Well Name/Number FD 7-18-2-2  
Qtr/Qtr SW/NE Section 18 Township 2S Range 2E  
Lease Serial Number FEE  
API Number 43-047-53825

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

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

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

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

Date/Time 6-30-14 15:00 AM  PM

BOPE

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

Date/Time 7-1-14 10:00 AM  PM

Remarks Running 2493' of 9 5/8", 36#, J-55, ST&C csg. PLEASE CALL WITH ANY QUESTIONS CONCERNS

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted  
By Pat Clark Phone Number 303-353-5374  
Well Name/Number FD 7-18-2-2  
Qtr/Qtr SW/NE Section 18 Township 2S Range 2E  
Lease Serial Number FEF  
API Number 43-047-53825

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

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

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

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

Date/Time 7-10-14 11:00 AM  PM

BOPE

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

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

Remarks Running 9700' of 5 1/2", 17#, P-110, LT&C csg.  
PLEASE CALL WITH ANY QUESTIONS CONCERNS

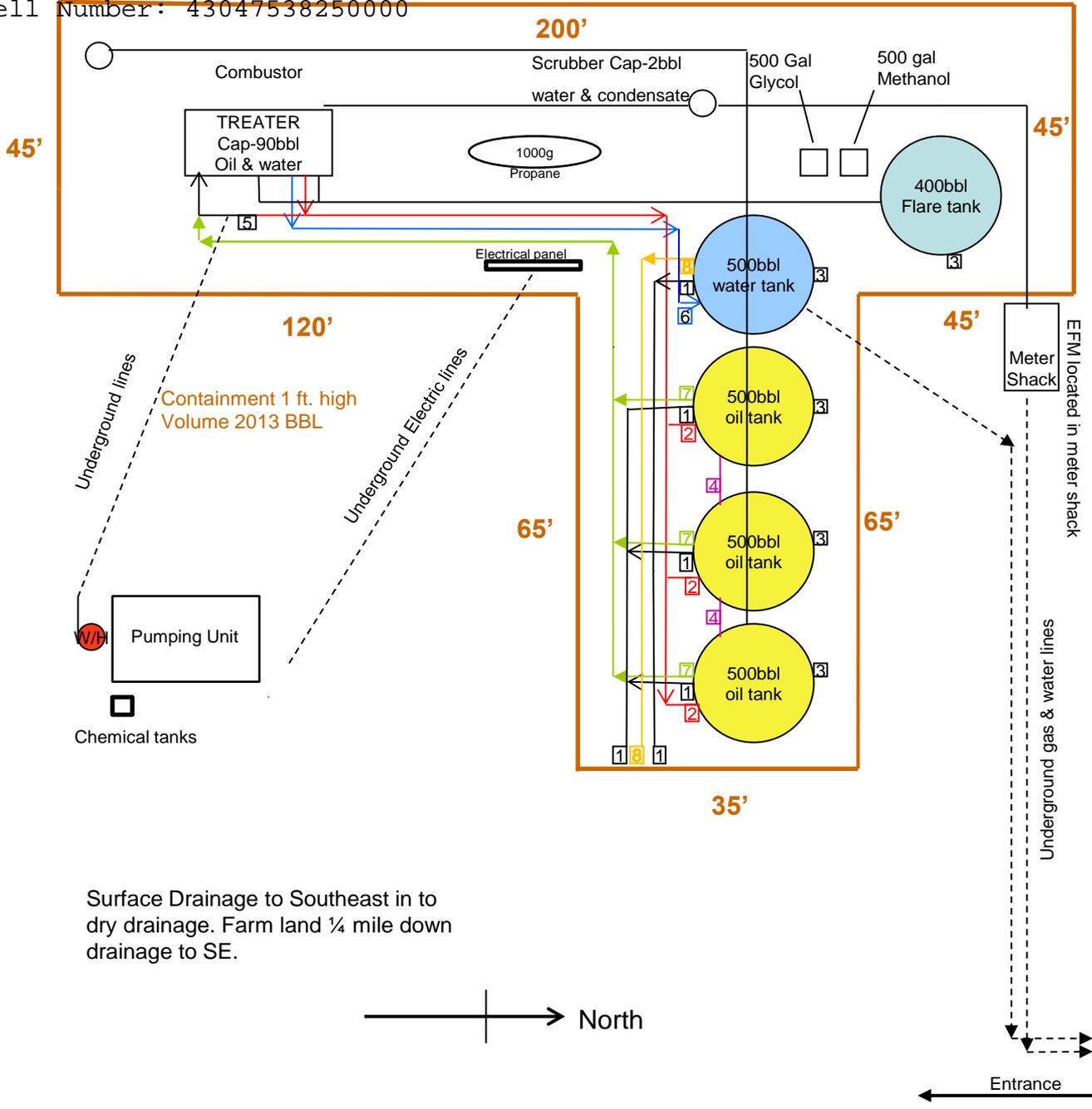
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 7-18-2-2
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047538250000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FNL 2250 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 02.0S Range: 02.0E Meridian: U		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/26/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THIS WELL HAD FIRST PRODUCTION AND FIRST GAS SALES ON 7/26/14.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b> July 28, 2014
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/28/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 7-18-2-2
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047538250000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FNL 2250 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 02.0S Range: 02.0E Meridian: U		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/6/2014</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text" value="SITE FACILITY DIAGRAM"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<b>ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM/SECURITY PLAN FOR THIS WELL</b>		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 07, 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> 8/6/2014

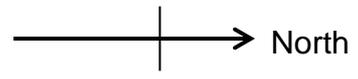
**BILL BARRETT CORPORATION**  
 FEE  
 FD 7-18-2-2  
 SW¼ NE¼ SEC 18,T2S, R2E,  
 Lease # FEE  
 API # 43-047-53825  
 Uintah Co. Utah

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

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



Surface Drainage to Southeast in to dry drainage. Farm land ¼ mile down drainage to SE.



Entrance

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
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		<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 7-18-2-2	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047538250000	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FNL 2250 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 02.0S Range: 02.0E Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL	
		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
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: 7/31/2014	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Attached is the July 2014 Drilling Activity for this well.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 11, 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> 8/5/2014	

**FD 07-18-2-2 7/1/2014 06:00 - 7/2/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	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	5	COND MUD & CIRC	C&C f/cmt.	
06:30	3.50	10:00	12	RUN CASING & CEMENT	HSM. RU cementers, cement surface csg as follows: Press test to 3000 psi. Pump 20 bbl water spacer, 40 bbl 10 ppg superflush, 20 bbl water spacer. Mix and pump 400 sx (225 bbls) Econocem lead cement @ 11 ppg, 3.16 yld, 19.43 gps H2O. Mix and pump 245 sx(60 bbls) Expandacem tail cement @ 14.8 ppg, 1.37 yld, 6.62 gps H2O. Wash up on top of plug, displace w/189.5 bbls water. Max press 600 psi, bump plug to 1114 psi, floats held. Bled back 1 bbl. Full returns, 65 bbls cmt to surface. Cement fell 6'. Ran 100' 1" pipe down backside, top out w/25 bbls(65 sx) Halcem cement @ 14.8 ppg. Hole stood full. Drain and flush riser and flowline.	
10:00	6.00	16:00	13	WAIT ON CEMENT	W.O.C. Released HES after 1 hr.	
16:00	3.00	19:00	21	OPEN	Rough cut csg, LD riser. Cut csg final cut, weld on 11" 5M X 9 5/8" SOW casing head and test.	
19:00	2.00	21:00	14	NIPPLE UP B.O.P	NUBOP.	
21:00	1.00	22:00	7	LUBRICATE RIG	Rig Service. Install spacer plates on iron roughneck.	
22:00	6.00	04:00	15	TEST B.O.P	HSM. Test BOP with B&C Quick Test pipe rams, blind rams, fosv, inside bop, choke line & valves, choke manifold, kill line, inside & out side valve, hcr, manual valve all @ 10 min @ 5000 psi high, annular @ 2500 psi f/10 min high, csg @ 1500 psi f/30 min - accumulator function test. Notified BLM and UDOGM 6-30-14 @ 13:00 of BOP test.	
04:00	0.50	04:30			Install wear bushing.	
04:30	1.00	05:30	20	DIRECTIONAL WORK	PU dir tools.	
05:30	0.50	06:00	6	TRIPS	Tih.	

**FD 07-18-2-2 7/2/2014 06:00 - 7/3/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	4.00	10:00	6	TRIPS	Finish tih. Tag cement @ 2445'.	
10:00	1.00	11:00	21	OPEN	Drill cement & float equipment, 20' new hole to 2513'.	
11:00	0.50	11:30	21	OPEN	F.I.T. to 235 psi f/10.5 emw.	
11:30	6.00	17:30	2	DRILL ACTUAL	Steerable drilling 2513' - 3239'. Wob 10-20k, spp 1600 psi, dp 250 psi, gpm 475, rpm 45/81, rop 121 fph.	
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service. Bop drill.	
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drilling 3239' - 4953'. Wob 10-20k, spp 1600 psi, dp 250 psi, gpm 475, rpm 45/81, rop 149 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service. Bop drill.	

**FD 07-18-2-2 7/3/2014 06:00 - 7/4/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	10.00	16:00	2	DRILL ACTUAL	Steerable drilling 4953' - 5640'. Wob 10-20k, spp 1600 psi, dp 250 psi, gpm 475, rpm 45/81, rop 69 fph.	
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service.	
16:30	13.00	05:30	2	DRILL ACTUAL	Steerable drilling 5640' - 6099'. Wob 20-26k, spp 1750 psi, dp 250 psi, gpm 475, rpm 45/81, rop 35 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.	

**FD 07-18-2-2 7/4/2014 06:00 - 7/5/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	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	Steerable drilling 6099' - 6370'. Wob 20-26k, spp 1750 psi, dp 250 psi, gpm 450, rpm 45/77, rop 26 fph.	
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service.	
17:00	12.50	05:30	2	DRILL ACTUAL	Steerable drilling 6370' - 6736'. Wob 20-26k, spp 1750 psi, dp 250 psi, gpm 450, rpm 45/77, rop 29 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.	

**FD 07-18-2-2 7/5/2014 06:00 - 7/6/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drilling 6736' - 7096'. Wob 20-26k, spp 1900 psi, dp 200 psi, gpm 450, rpm 45/77, rop 33 fph.	
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.	
17:30	12.00	05:30	2	DRILL ACTUAL	Steerable drilling 7096' - 7445'. Wob 20-26k, spp 1900 psi, dp 200 psi, gpm 450, rpm 45/77, rop 29 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.	

**FD 07-18-2-2 7/6/2014 06:00 - 7/7/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.50	08:30	2	DRILL ACTUAL	Steerable drilling 7445' - 7528'. Wob 20-26k, spp 1900 psi, dp 200 psi, gpm 450, rpm 45/77, rop 33 fph.	
08:30	0.50	09:00	5	COND MUD & CIRC	C&C, sweep hole. pump dry job.	
09:00	7.50	16:30	6	TRIPS	Toh. XO bit, mm, change to 7 7/8" hole.	
16:30	6.00	22:30	6	TRIPS	Tih.	
22:30	1.00	23:30	3	REAMING	Reaming 7440' - 7528'.	
23:30	6.00	05:30	2	DRILL ACTUAL	Steerable drilling 7528' - 7902'. Wob 20-26k, spp 1900 psi, dp 200 psi, gpm 450, rpm 45/77, rop 62 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.	

**FD 07-18-2-2 7/7/2014 06:00 - 7/8/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drilling 7902' - 8547'. Wob 20-26k, spp 2100 psi, dp 250 psi, gpm 450, rpm 45/77, rop 59 fph.	
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.	
17:30	12.00	05:30	2	DRILL ACTUAL	Steerable drilling 8547' - 9099'. Wob 20-26k, spp 2100 psi, dp 250 psi, gpm 450, rpm 45/77, rop 46 fph.	
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.	

**FD 07-18-2-2 7/8/2014 06:00 - 7/9/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	10.00	16:00	2	DRILL ACTUAL	Steerable drilling 9099' - 9316'. Wob 20-26k, spp 2200 psi, dp 200 psi, gpm 450, rpm 45/77, rop 21 fph.	
16:00	1.00	17:00	5	COND MUD & CIRC	C&C mud, sweep hole, build dry job.	
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.	
17:30	6.50	00:00	6	TRIPS	Toh.	
00:00	1.00	01:00	20	DIRECTIONAL WORK	LD dir tools.	
01:00	2.00	03:00	6	TRIPS	PU new bit. Tih to shoe.	
03:00	1.00	04:00	9	CUT OFF DRILL LINE	Cut and slip drilling line.	
04:00	2.00	06:00	6	TRIPS	Tih @ 4500'.	

**FD 07-18-2-2 7/9/2014 06:00 - 7/10/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	4.00	10:00	6	TRIPS	TRIP IN THE HOLE WASH DOWN LAST 100'	
10:00	0.50	10:30	7	LUBRICATE RIG	RIG SERVICE NOTIFIED BLM ON PRODUCTION CEMENT AND CASING 7/8/2014 @ 6:15	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:30	10.00	20:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 9316'-9705' (389') 40' FPH AVG GPM=466 TOPDRIVE RPM=40 MOTOR RPM=79 TOTAL RPM=119 WT ON BIT=31K OFF BOTTOM PRESSURE=2015 PSI DIFF PRESS=150-300PSI TQ=8.6K
20:30	1.00	21:30	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND
21:30	3.00	00:30	6	TRIPS	SHORT TRIP TO/ 7500' BACK TO BOTTOM PULL 10 STAND FLOW CHECK PUMP TRIP SLUG
00:30	1.00	01:30	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP
01:30	4.50	06:00	6	TRIPS	LAY DOWN DRILL PIPE "HOLE TAKING CORRECT DISPLACMENT

**FD 07-18-2-2 7/10/2014 06:00 - 7/11/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53825	Utah	Uintah	Fort Duchesne	PRODUCING	9,705.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	LAY DOWN DRILL PIPE
07:30	0.50	08:00	7	LUBRICATE RIG	RIG SERVICE
08:00	2.00	10:00	6	TRIPS	LAY DOWN DRILL PIPE PULL ROT HEAD RUBBER LAY DOWN B.H.A
10:00	0.50	10:30	21	OPEN	PULL WARE BUSHING
10:30	1.50	12:00	21	OPEN	RIG UP FOR CASING RUN LEVEL DERRICK
12:00	14.00	02:00	12	RUN CASING & CEMENT	RUN 5.5 P-110 17# LT&C CASING BREAK CIRCULATION EVERY 1500 FEET
02:00	1.00	03:00	12	RUN CASING & CEMENT	BREAK CIRCULATION WAS DOWN LAST 100' OF CASING
03:00	2.50	05:30	12	RUN CASING & CEMENT	CIRCULATE AND RIG UP CEMENTERS HOLD SAFETY MEETING
05:30	0.50	06:00	12	RUN CASING & CEMENT	CEMENT WITH HALLBURTION

**FD 07-18-2-2 7/11/2014 06:00 - 7/12/2014 16:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53825	Utah	Uintah	Fort Duchesne	PRODUCING	9,705.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 40 BBLS 10.7 PPG TUNED SPACER, 5 BBLS WATER SPACER 338 BBLS 810 SKS 11.0 PPG 2.34 YILED LEAD CEMENT MIXED @ 10.1 GAL/SK, 226 BBLS 875 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.88 GAL/SK, SHUT DOWN WASH LINES TO PIT DROP PLUG AND DISPLACE WITH 220 BBLS CLAY-WEB WATER - FINAL CIRCULATING PRESSURE 2200 PSI FULL RETURNS THROUGH OUT JOB 92 BBLS OF CEMENT BACK TO SURFACE - PLUG BUMP PRESSURE 2780 PSI HELD PRESSURE FOR TWO MINUTES RELEASE PRESSURE FLOATS HELD
10:00	1.00	11:00	12	RUN CASING & CEMENT	SET PACK OFF WITH CAMRON
11:00	4.00	15:00	14	NIPPLE UP B.O.P	NIPPLE DOWN B.O.Ps
15:00	1.00	16:00	21	OPEN	CLEAN PITS RELEASE RIG @ 16:00

**FD 07-18-2-2 7/13/2014 16:00 - 7/14/2014 16:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53825	Utah	Uintah	Fort Duchesne	PRODUCING	9,705.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:00	24.00	16:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

**FD 07-18-2-2 7/17/2014 06:00 - 7/18/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53825	Utah	Uintah	Fort Duchesne	PRODUCING	9,705.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00			HSM. MIRU HES LOGGING. RIH W/ GR/JB TO TAG FILL AT 9534'. DRLG SHOWS FC AT 9602' (68' FILL). RUN RMT/RBL LOG. SHOWS GOOD CMT TD TO 3700' FAIR CMT 3700'- 1650'. TOC EST AT 1650'. SHORT JOINTS AT 7990'-8012' & 8721'-8743'.  RDMO HES.
11:00	19.00	06:00			LOCK AND SECURE WELL

**FD 07-18-2-2 7/22/2014 06:00 - 7/23/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	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	GOP	General Operations	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL.  HEATED FRAC LINE	
12:00	18.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL	

**FD 07-18-2-2 7/23/2014 06:00 - 7/24/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	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. ARRIVED ON LOC @ 12:00 HSM.	
07:00	1.50	08:30	SRIG	Rig Up/Down	MIRU CASED HOLE SOLUTIONS WITH 5" 5K LUBE.	
08:30	1.50	10:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 7990'-8012' & 8721'-8743'. RUN DOWN & PERF 9127'-9503' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.	
10:00	3.00	13:00	SRIG	Rig Up/Down	RU HES FRAC FLEET.	
13:00	17.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.	

**FD 07-18-2-2 7/24/2014 06:00 - 7/25/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	0.84	06:50	SMTG	Safety Meeting	AOL 05:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA.	
06:50	1.08	07:55	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 200 PSI AT 6:52AM BREAK DOWN 3252 PSI AT 8.2 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.7 BPM AT 2852 PSI. FLUSH W/8912 GAL. 29.2 BPM AT 3460 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.  STAGE FR PAD. STABLE RATE OF 71.1 BPM AT 4463 PSI. ISDP 2744 . FG .74. PERFS OPEN /45  ISIP 3084 , FG .77, MR 71.3 BPM, AR 71 BPM, MP 4564 PSI, AP 4094 PSI 100 MESH 7,900 lbs. .75 ppg 20/40 WHITE 150,100 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 1015 BBL, 20# HYBOR G (14) 1554 BBL, BTR 2674 BBL  (STAGE SCORE 10 )  SHUT IN AND TURN OVER TO CASED HOLE.	
07:55	1.17	09:05	PFRT	Perforating	PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2900 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7990'-8012' & 8721'-8743'. RUN DOWN AND SET 5-1/2" CBP AT 9118' WITH 2800 PSI. PULL UP AND PERF BLACK SHALE & CASTLE PEAK 8795'-9098' WITH 42 HOLES IN 14' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2750 PSI. TURN WELL OVER TO HES.	



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:05	1.10	10:11	FRAC	Frac. Job	<p>FRAC STG 2            PRESSURE TEST LINES TO 7200 PSI            OPEN WELL W/ 2800 PSI AT 9:21AM            BREAK DOWN 4293 PSI AT 9.2 BPM.            PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 3050 PSI.            FLUSH W/ 8587 GAL. 29.3 BPM AT 3625 PSI. BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.</p> <p>STAGE FR PAD. STABLE RATE OF 70.9 BPM AT 5025 PSI. ISDP 3142 . FG .80.            PERFS OPEN 30/42</p> <p>ISIP 3426 , FG .82, MR 72.5 BPM, AR 71.3 BPM, MP 4857 PSI, AP 4359 PSI            100 MESH 7,900 lbs. .75 ppg            20/40 WHITE 150,100 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg            SLK WTR 781 BBL, 20# HYBOR G (14) 1522 BBL, BTR 2396 BBLs</p> <p>(STAGE SCORE 10 )</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
10:11	1.15	11:20	PFRT	Perforating	<p>PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 3000 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7990'-8012'.            RUN DOWN AND SET 5-1/2" CBP AT 8781' WITH 2950 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8460'-8761' WITH 42 HOLES IN 14' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2900 PSI. TURN WELL OVER TO HES.</p>
11:20	1.58	12:55	FRAC	Frac. Job	<p>FRAC STG 3            PRESSURE TEST LINES TO 7300 PSI.            OPEN WELL W/ 2827 PSI AT 11:53AM            BREAK DOWN 3916 PSI AT 10.1 BPM.            PMP 3400 GAL 15% HCL ACID W/ 84 BIO BALLS FOR DIVERSION. 9.9 BPM AT 3050 PSI.            FLUSH W/ 8260 GAL. 30.3 BPM AT 3700 PSI. BALL OUT.            SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL.</p> <p>STAGE FR PAD. STABLE RATE OF 70.5 BPM AT 4537 PSI. ISDP 3117 . FG .81.            PERFS OPEN 37/42</p> <p>ISIP 3306 , FG .82, MR 70.4 BPM, AR 70 BPM,            MP 4638 PSI, AP 4110 PSI            100 MESH 8,100 lbs. .75 ppg            20/40 WHITE 150,500 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg            SLK WTR 975 BBL, 20# HYBOR G (14) 1545 BBL, BTR 2613 BBLs</p> <p>(STG SCORE 9 )</p> <p>SHUT IN AND TURN OVER TO CASED HOLE.</p>
12:55	1.00	13:55	PFRT	Perforating	<p>PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 3200 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7990'-8012'.            RUN DOWN AND SET 5-1/2" CBP AT 8426' WITH PSI. PULL UP AND PERF TGR3 FORM 8161'-8406' WITH 42 HOLES IN 14' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2700 PSI. TURN WELL OVER TO HES.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:55	1.59	15:30	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7400 PSI. OPEN WELL W/ 2780 PSI AT 14:09 PM BREAK DOWN 3900 PSI AT 8.8 BPM. PMP 3400 GAL 15% HCL ACID W/ 84 BIO BALLS FOR DIVERSION. 9.5 BPM AT 2260 PSI. FLUSH W/ 7968 GAL. 30 BPM AT 3725 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 4405 PSI. ISDP 2999 . FG .81. PERFS OPEN 42/42  ISIP 2662 , FG .80, MR 70.7 BPM, AR 70.3 BPM, MP 4352 PSI, AP 3804 PSI 100 MESH 11,000 lbs. .75 ppg 20/40 WHITE 149,760 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 988 BBL, 20# HYBOR G (14) 1615 BBL, BTR 2683 BBL  (STG SCORE 9 )  SHUT IN, REMOVE STAND PIPES AND TURN OVER TO CASEDHOLE.
15:30	1.00	16:30	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 2500 PSI. RIH AND SET KILL PLUG AT 8065' WITH 2450 PSI. BLEED OFF AS POOH.
16:30	2.00	18:30	SRIG	Rig Up/Down	RDMO HES AND CASEDHOLE.
18:30	11.49	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE

**FD 07-18-2-2 7/25/2014 06:00 - 7/26/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	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	1.00	08:00	BOPI	Install BOP's	CHECK PRESSURE ON CSG. 0 PSI. ND FRAC VALVES. NU BOP.
08:00	1.00	09:00	SRIG	Rig Up/Down	RUSU. RU FLOOR AND TBG EQUIP.
09:00	1.50	10:30	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD 306-JTS 2-7/8" L-80 TBG.
10:30	4.00	14:30	RUTB	Run Tubing	MU 4-3/4" MILL, FLOAT/BIT SUB, 1-JT, DRAIN SUB. RIH AS MEAS AND PU TBG TO8000'. RU DRLG EQUIP.
14:30	1.00	15:30	PTST	Pressure Test	FILL TBG AND PRES TEST CSG/BOP/DRLG EQUIP TO 2500 PSI. GOOD.
15:30	2.50	18:00	DOPG	Drill Out Plugs	EST CIRC AND D/O PLUGS.  CBP #1 AT 8065'. 0' FILL. D/O IN 15 MIN. FCP 1700 PSI ON 26/64" CHOKE. RIH. CBP #2 AT 8426'. 21' FILL. D/O IN 14 MIN. FCP 1700 PSI ON 20/64" CHOKE. SWIVEL IN HOLE HAD TO CHANGE WASH RUBBER. RIH. CBP #3 AT 8781'. 35' FILL. D/O IN 12 MIN. FCP 1800 PSI ON 22/64" CHOKE.  RUN 1-JT, 277-JTS IN, EOT AT 8810'. CIRC 30 MIN. HANG PWR SWIVEL. TURN WELL OVER TO FBC AND SALES.
18:00	12.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PROD 22/64" WITH 1800 PSI

**FD 07-18-2-2 7/26/2014 06:00 - 7/27/2014 06:00**

API 43-047-53825	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,705.0	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	3.50	10:30	DOPG	Drill Out Plugs	BREAK CIRC. C/O TO CBP @ 9118'. D/O PLUG. CFP- 1100 ON 26/64 CHOKE 30MINS.  SWIVEL IN HOLE, TAG FILL @ 9471'. C/O TO F/C @ 9602'. D/O F/C. C/O CMT TO 9668' PBD. CIRC WELL CLEAN. R/D SWIVEL.
10:30	1.50	12:00	PULT	Pull Tubing	POOH TO 8056' L/D 2-7/8 TBG. 253 JTS IN HOLE 53 JTS OUT ON PIPE RACKS TURN WELL OVER TO FLOW BACK.. TIE IN WELL HEAD TO PRODUCTION. SDFW.
12:00	2.00	14:00	SRIG	Rig Up/Down	RDMO LOC
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 7-18-2-2
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047538250000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FNL 2250 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 02.0S Range: 02.0E Meridian: U		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>8/5/2014</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THIS WELL HAD FIRST OIL SALES ON 8/5/14		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 13, 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> 8/12/2014

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**FEE**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**FD 7-18-2-2**

9. API NUMBER:  
**4304753825**

10 FIELD AND POOL, OR WILDCAT  
**Moffat Canal**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SWNE 18 2S 2E U**

12. COUNTY  
**Uintah**

13. STATE  
**UTAH**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**Bill Barrett Corporation**

3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY **Denver** STATE **CO** ZIP **80202** PHONE NUMBER: **(303) 293-9100**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **1600 FNL 2250 FEL**

AT TOP PRODUCING INTERVAL REPORTED BELOW: **1598 FNL 2225 FEL**

AT TOTAL DEPTH: **1594 FNL 2206 FEL**

14. DATE SPURRED: **6/20/2014** 15. DATE T.D. REACHED: **7/9/2014** 16. DATE COMPLETED: **7/26/2014** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5148 GL**

18. TOTAL DEPTH: MD **9,705** TVD **9,704** 19. PLUG BACK T.D.: MD **9,603** TVD **9,602** 20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**CBL/Triple Combo/MUD**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
24	16 Conq	65#	0	80	80			0	
12 1/4	9 5/8 J-55	36#	0	2,493	2,493	Lead 400	225	0	
						Tail 305	85		
7 7/8	5 1/2 I-80	17#	0	9,705	9,693	Tuned 810	338	4066	
						ECON 875	226		

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	8,177							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	8,161	9,503			8,161 9,503	.38	171	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8,161'-9,503'	Green River: See attached Stage 1-4

**29. ENCLOSED ATTACHMENTS:**

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

**30. WELL STATUS:**  
**POW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 7/26/2014		TEST DATE: 8/4/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 460	GAS - MCF: 53	WATER - BBL: 167	PROD. METHOD: Flowing
CHOKE SIZE: 48/64	TBG. PRESS. 450	CSG. PRESS. 80	API GRAVITY 32.00	BTU - GAS 1	GAS/OIL RATIO 115	24 HR PRODUCTION RATES: →	OIL - BBL: 460	GAS - MCF: 53	WATER - BBL: 167	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	6,029
				Mahogany	6,934
				TGR3	8,157
				Douglas Creek	8,310
				Black Shale Facies	8,792
				Castle Peak	8,893
				Uteland Butte	9,120
				Wasatch	9,630
				TD	9,705

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 7/26/2014, first oil sales 8/5/2014.

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 8/20/2014

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

**7-18-2-2 FD Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<b><u>Stage</u></b>	<b><u>BBS Slurry</u></b>	<b><u>lbs 100 Common Mesh</u></b>	<b><u>lbs 20/40 Prem White Sand</u></b>	<b><u>gal 15% HCl Acid</u></b>
1	2674	7900	150100	4400
2	2604	7900	150100	3900
3	2613	8100	150500	3900
4	2683	11000	138760	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 7-18-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 18 T2S, R2E	<b>MD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Well:</b>	FD 7-18-2-2	<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 18 T2S, R2E		
<b>Site Position:</b>		<b>Northing:</b>	11,174,641.40 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,111,825.13 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 18' 43.430 N
		<b>Longitude:</b>	109° 48' 40.110 W
		<b>Grid Convergence:</b>	1.03 °

<b>Well</b>	FD 7-18-2-2, SHL: 40° 18' 43.430 -109° 48' 40.110					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	11,174,641.40 usft	<b>Latitude:</b>	40° 18' 43.430 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,111,825.13 usft	<b>Longitude:</b>	109° 48' 40.110 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	5,161.0 usft	<b>Ground Level:</b>	5,148.0 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	6/19/2014	10.86	65.99	52,155

<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	97.71	

<b>Survey Program</b>	<b>Date</b>	7/14/2014		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
114.0	9,705.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 7-18-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 18 T2S, R2E	<b>MD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Well:</b>	FD 7-18-2-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
114.0	0.31	79.63	114.0	0.3	0.1	0.3	0.27	0.27	0.00	0.00
178.0	0.31	45.84	178.0	0.6	0.2	0.6	0.28	0.00	-52.80	
240.0	0.13	66.85	240.0	0.7	0.4	0.8	0.31	-0.29	33.89	
333.0	0.22	108.29	333.0	1.0	0.3	1.0	0.16	0.10	44.56	
426.0	0.26	120.72	426.0	1.4	0.2	1.4	0.07	0.04	13.37	
517.0	0.35	141.51	517.0	1.8	-0.1	1.8	0.16	0.10	22.85	
607.0	0.31	141.24	607.0	2.1	-0.6	2.1	0.04	-0.04	-0.30	
699.0	0.26	162.12	699.0	2.4	-0.9	2.3	0.12	-0.05	22.70	
790.0	0.40	182.60	790.0	2.5	-1.5	2.3	0.20	0.15	22.51	
894.0	0.62	194.51	894.0	2.5	-2.4	2.2	0.23	0.21	11.45	
979.0	0.70	198.68	979.0	2.3	-3.3	1.9	0.11	0.09	4.91	
1,066.0	0.62	202.99	1,066.0	2.1	-4.2	1.6	0.11	-0.09	4.95	
1,152.0	0.48	227.73	1,152.0	1.8	-4.9	1.1	0.32	-0.16	28.77	
1,239.0	0.90	223.50	1,239.0	1.1	-5.7	0.4	0.49	0.48	-4.86	
1,325.0	0.80	236.40	1,325.0	0.3	-6.5	-0.6	0.25	-0.12	15.00	
1,410.0	0.66	272.29	1,409.9	-0.7	-6.8	-1.6	0.55	-0.16	42.22	
1,497.0	0.70	287.89	1,496.9	-1.7	-6.6	-2.6	0.22	0.05	17.93	
1,582.0	0.75	277.83	1,581.9	-2.8	-6.4	-3.6	0.16	0.06	-11.84	
1,667.0	0.70	279.67	1,666.9	-3.8	-6.2	-4.7	0.06	-0.06	2.16	
1,754.0	1.01	291.98	1,753.9	-5.1	-5.8	-5.9	0.41	0.36	14.15	
1,839.0	0.92	302.96	1,838.9	-6.4	-5.2	-7.2	0.24	-0.11	12.92	
1,926.0	0.92	311.23	1,925.9	-7.7	-4.3	-8.3	0.15	0.00	9.51	
2,012.0	1.01	319.23	2,011.9	-8.8	-3.3	-9.3	0.19	0.10	9.30	
2,098.0	1.05	324.94	2,097.9	-9.9	-2.1	-10.3	0.13	0.05	6.64	
2,183.0	0.92	320.19	2,182.9	-10.9	-0.9	-11.2	0.18	-0.15	-5.59	
2,268.0	0.92	320.37	2,267.8	-11.9	0.1	-12.0	0.00	0.00	0.21	



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 7-18-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 18 T2S, R2E	<b>MD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Well:</b>	FD 7-18-2-2	<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)
2,354.0	0.97	325.68	2,353.8	-12.9	1.3	-12.9	0.12	0.06	6.17
2,425.0	0.83	329.33	2,424.8	-13.7	2.2	-13.5	0.21	-0.20	5.14
2,524.0	0.80	321.25	2,523.8	-14.6	3.4	-14.3	0.12	-0.03	-8.16
2,615.0	0.88	321.34	2,614.8	-15.6	4.4	-15.1	0.09	0.09	0.10
2,704.0	0.71	315.74	2,703.8	-16.5	5.3	-15.9	0.21	-0.19	-6.29
2,790.0	0.71	302.52	2,789.8	-17.4	6.0	-16.8	0.19	0.00	-15.37
2,878.0	1.02	354.65	2,877.8	-18.1	7.1	-17.3	0.92	0.35	59.24
2,966.0	1.02	347.03	2,965.8	-18.5	8.6	-17.5	0.15	0.00	-8.66
3,053.0	1.10	334.34	3,052.8	-19.3	10.1	-18.1	0.28	0.09	-14.59
3,139.0	1.41	26.75	3,138.7	-19.4	11.8	-17.9	1.33	0.36	60.94
3,225.0	1.68	33.84	3,224.7	-18.5	13.8	-16.8	0.38	0.31	8.24
3,310.0	1.81	33.45	3,309.7	-17.3	15.9	-15.3	0.15	0.15	-0.46
3,395.0	1.59	36.05	3,394.6	-16.2	18.0	-13.9	0.27	-0.26	3.06
3,481.0	1.28	39.75	3,480.6	-15.1	19.7	-12.6	0.38	-0.36	4.30
3,567.0	1.41	44.73	3,566.6	-14.0	21.2	-11.2	0.20	0.15	5.79
3,653.0	1.28	34.86	3,652.6	-12.9	22.8	-9.9	0.31	-0.15	-11.48
3,739.0	1.10	35.56	3,738.5	-12.1	24.2	-8.9	0.21	-0.21	0.81
3,825.0	0.88	26.35	3,824.5	-11.5	25.5	-8.1	0.31	-0.26	-10.71
3,910.0	0.49	44.02	3,909.5	-11.1	26.3	-7.6	0.52	-0.46	20.79
3,995.0	0.49	57.55	3,994.5	-10.6	26.8	-7.0	0.14	0.00	15.92
4,081.0	0.40	59.75	4,080.5	-10.0	27.1	-6.5	0.11	-0.10	2.56
4,167.0	0.40	58.52	4,166.5	-9.6	27.4	-5.9	0.01	0.00	-1.43
4,252.0	0.22	36.05	4,251.5	-9.3	27.7	-5.6	0.25	-0.21	-26.44
4,338.0	0.09	29.13	4,337.5	-9.2	27.9	-5.5	0.15	-0.15	-8.05
4,425.0	0.22	81.83	4,424.5	-9.0	28.0	-5.3	0.21	0.15	60.57
4,511.0	0.22	77.65	4,510.5	-8.7	28.1	-4.9	0.02	0.00	-4.86
4,596.0	0.31	107.26	4,595.5	-8.3	28.0	-4.6	0.19	0.11	34.84



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 7-18-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 18 T2S, R2E	<b>MD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Well:</b>	FD 7-18-2-2	<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)		
4,681.0	0.09	119.25	4,680.5	-8.0	27.9	-4.3	0.26	-0.26	14.11		
4,768.0	0.09	58.96	4,767.5	-7.9	27.9	-4.2	0.10	0.00	-69.30		
4,853.0	0.09	338.26	4,852.5	-7.9	28.0	-4.1	0.14	0.00	-94.94		
4,938.0	0.22	225.14	4,937.5	-8.0	28.0	-4.3	0.32	0.15	-133.08		
5,024.0	0.31	210.73	5,023.5	-8.2	27.7	-4.5	0.13	0.10	-16.76		
5,109.0	0.40	181.82	5,108.5	-8.2	27.2	-4.6	0.23	0.11	-34.01		
5,195.0	0.62	173.05	5,194.5	-8.1	26.4	-4.6	0.27	0.26	-10.20		
5,280.0	0.71	174.55	5,279.5	-7.9	25.4	-4.5	0.11	0.11	1.76		
5,376.0	0.49	159.13	5,375.5	-7.5	24.4	-4.3	0.28	-0.23	-16.06		
5,452.0	0.71	163.05	5,451.5	-7.2	23.7	-4.0	0.29	0.29	5.16		
5,538.0	0.80	153.62	5,537.5	-6.6	22.6	-3.6	0.18	0.10	-10.97		
5,623.0	0.80	146.44	5,622.5	-5.9	21.6	-3.0	0.12	0.00	-8.45		
5,709.0	1.02	128.06	5,708.5	-4.8	20.6	-2.1	0.42	0.26	-21.37		
5,794.0	1.28	110.04	5,793.4	-3.3	19.8	-0.6	0.52	0.31	-21.20		
5,880.0	1.28	110.26	5,879.4	-1.4	19.2	1.2	0.01	0.00	0.26		
5,967.0	1.50	111.53	5,966.4	0.7	18.4	3.2	0.26	0.25	1.46		
6,055.0	1.68	110.12	6,054.4	3.1	17.6	5.5	0.21	0.20	-1.60		
6,140.0	1.68	122.42	6,139.3	5.4	16.5	7.7	0.42	0.00	14.47		
6,225.0	2.21	100.25	6,224.3	8.2	15.5	10.3	1.07	0.62	-26.08		
6,310.0	0.88	107.13	6,309.2	10.5	15.0	12.6	1.58	-1.56	8.09		
6,396.0	1.02	103.25	6,395.2	11.9	14.7	14.0	0.18	0.16	-4.51		
6,481.0	1.02	99.33	6,480.2	13.4	14.4	15.4	0.08	0.00	-4.61		
6,567.0	0.88	119.33	6,566.2	14.8	13.9	16.8	0.42	-0.16	23.26		
6,653.0	1.10	125.64	6,652.2	16.1	13.1	18.0	0.29	0.26	7.34		
6,738.0	0.80	177.33	6,737.2	16.9	12.0	18.7	1.02	-0.35	60.81		
6,824.0	1.19	205.35	6,823.2	16.8	10.6	18.4	0.71	0.45	32.58		
6,910.0	0.88	170.94	6,909.2	16.7	9.2	18.1	0.79	-0.36	-40.01		



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 7-18-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 18 T2S, R2E	<b>MD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Well:</b>	FD 7-18-2-2	<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)	
6,996.0	0.80	169.44	6,995.1	17.1	7.9	18.3	0.10	-0.09	-1.74	
7,081.0	0.71	150.93	7,080.1	17.6	6.9	18.7	0.30	-0.11	-21.78	
7,168.0	0.80	126.12	7,167.1	18.4	6.1	19.4	0.39	0.10	-28.52	
7,254.0	0.71	105.45	7,253.1	19.5	5.6	20.4	0.33	-0.10	-24.03	
7,339.0	0.62	107.44	7,338.1	20.5	5.3	21.4	0.11	-0.11	2.34	
7,424.0	0.40	130.22	7,423.1	21.2	5.0	22.0	0.35	-0.26	26.80	
7,546.0	0.49	175.26	7,545.1	21.6	4.2	22.4	0.29	0.07	36.92	
7,632.0	0.62	159.26	7,631.1	21.9	3.4	22.6	0.23	0.15	-18.60	
7,718.0	0.31	167.63	7,717.1	22.2	2.7	22.8	0.37	-0.36	9.73	
7,804.0	0.40	138.85	7,803.1	22.5	2.2	23.0	0.23	0.10	-33.47	
7,889.0	0.49	146.74	7,888.1	23.0	1.7	23.4	0.13	0.11	9.28	
7,975.0	0.40	91.84	7,974.1	23.5	1.4	23.9	0.49	-0.10	-63.84	
8,060.0	0.31	60.64	8,059.1	24.0	1.5	24.4	0.25	-0.11	-36.71	
8,146.0	0.40	35.34	8,145.1	24.3	1.9	24.8	0.21	0.10	-29.42	
8,231.0	1.10	88.75	8,230.1	25.3	2.1	25.8	1.08	0.82	62.84	
8,317.0	1.10	88.05	8,316.1	26.9	2.2	27.5	0.02	0.00	-0.81	
8,403.0	1.19	97.34	8,402.1	28.6	2.1	29.2	0.24	0.10	10.80	
8,488.0	1.02	95.36	8,487.0	30.3	1.9	30.8	0.20	-0.20	-2.33	
8,573.0	1.02	96.42	8,572.0	31.8	1.7	32.3	0.02	0.00	1.25	
8,659.0	1.02	102.15	8,658.0	33.3	1.5	33.8	0.12	0.00	6.66	
8,744.0	1.10	97.74	8,743.0	34.9	1.2	35.4	0.13	0.09	-5.19	
8,830.0	0.71	126.34	8,829.0	36.2	0.8	36.6	0.68	-0.45	33.26	
8,916.0	0.88	135.15	8,915.0	37.2	0.0	37.5	0.24	0.20	10.24	
9,001.0	0.80	123.34	9,000.0	38.2	-0.8	38.5	0.22	-0.09	-13.89	
9,087.0	0.62	134.63	9,086.0	39.1	-1.4	39.3	0.26	-0.21	13.13	
9,172.0	0.62	132.82	9,171.0	39.9	-2.1	40.0	0.02	0.00	-2.13	
9,705.0	0.62	132.82	9,703.9	44.6	-6.0	44.2	0.00	0.00	0.00	



### Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well FD 7-18-2-2
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 18 T2S, R2E	<b>MD Reference:</b>	FD 7-18-2-2 @ 5161.0usft (CAPSTAR 330)
<b>Well:</b>	FD 7-18-2-2	<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

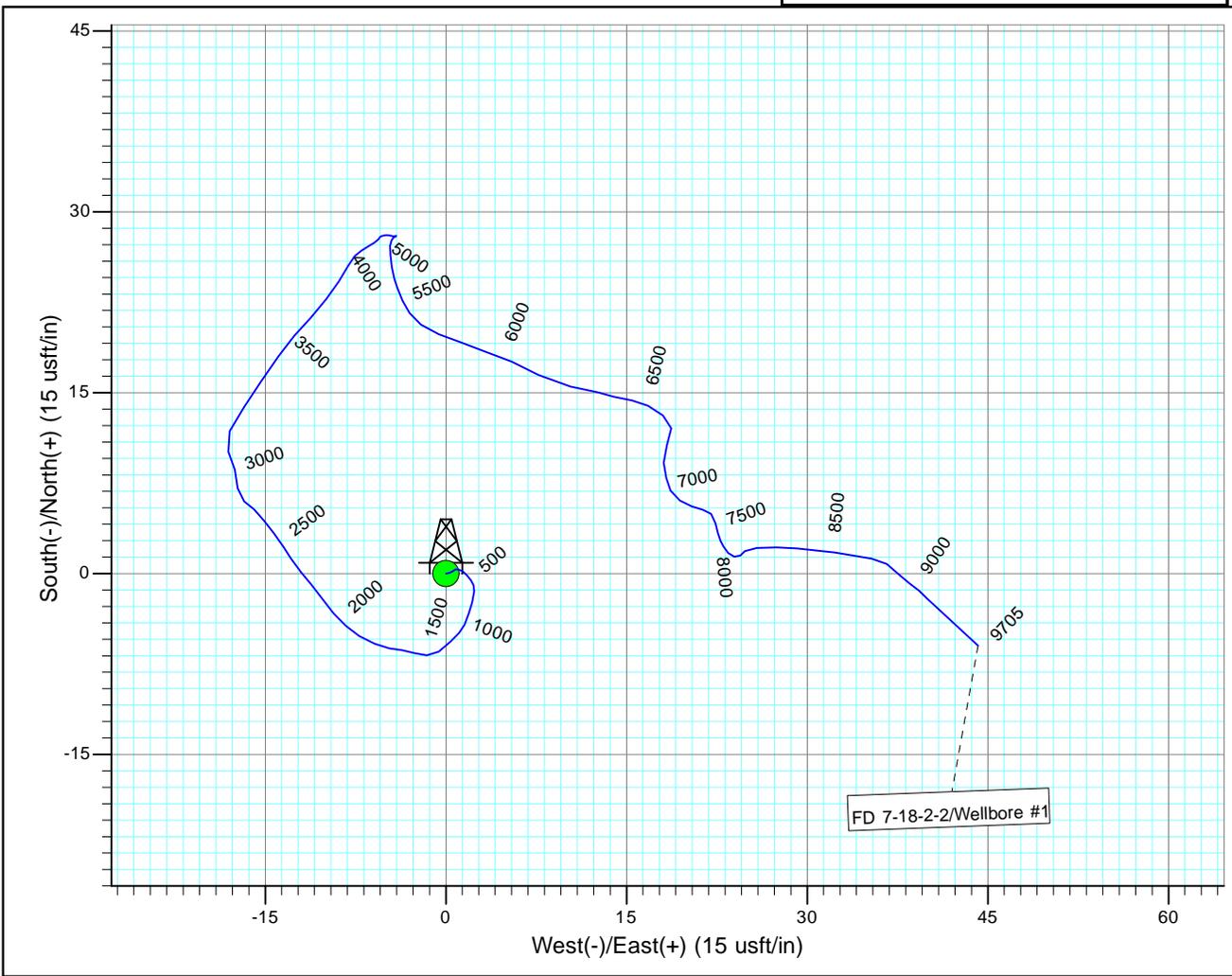
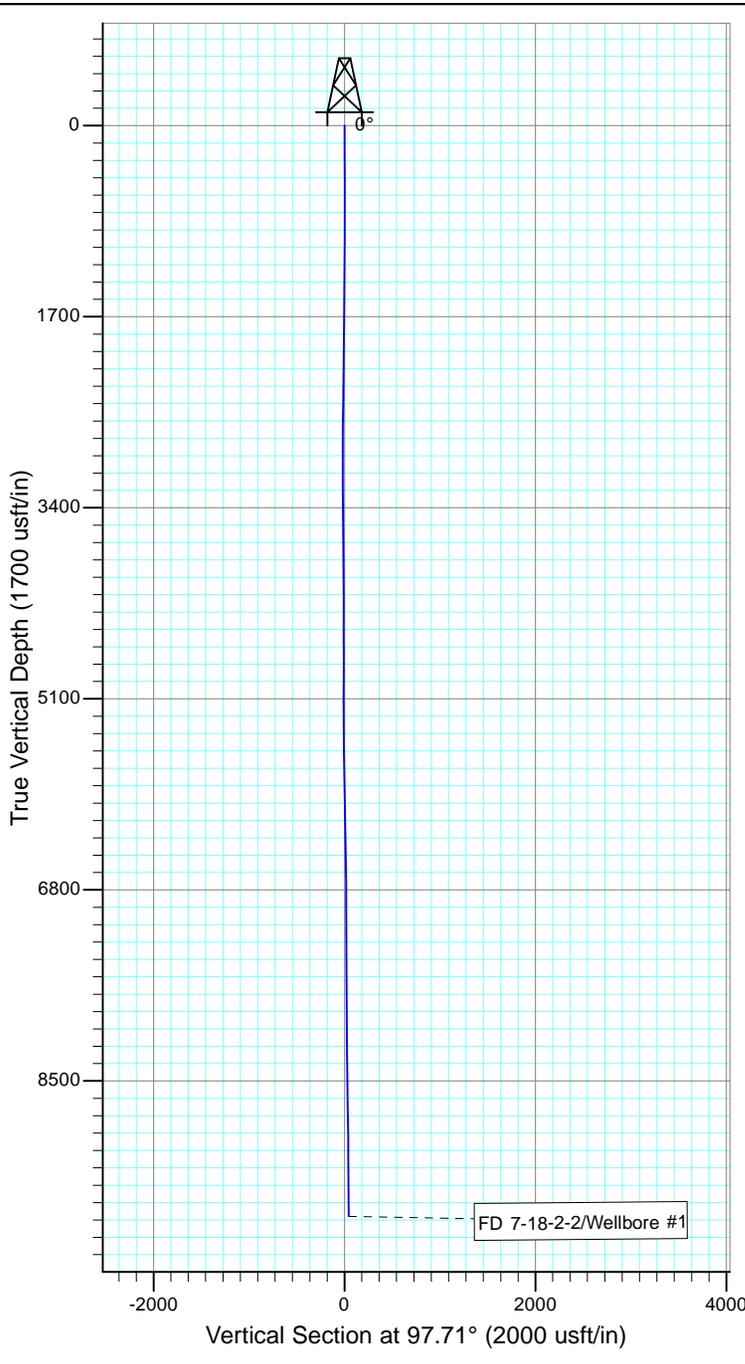
Checked By: _____	Approved By: _____	Date: _____
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Sundry Number: 54751 API Well Number: 43047538250000



Project: Fort Duchesne  
Site: SECTION 18 T2S, R2E  
Well: FD 7-18-2-2  
Wellbore: Wellbore #1  
Design: Actual

Azimuths to True North  
 Magnetic North: 10.86°  
 Magnetic Field  
 Strength: 52154.6snT  
 Dip Angle: 65.99°  
 Date: 6/19/2014  
 Model: IGRF2010



Design: Actual (FD 7-18-2-2/Wellbore #1)

Created By: *Matthew Linton* Date: 11:39, July 14 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		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>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 7-18-2-2
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047538250000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1600 FNL 2250 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 18 Township: 02.0S Range: 02.0E Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/23/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
		<input 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.		
THE PIT WAS CLOSED ON 10/23/2014 AND INTERIM RECLAMATION ON THIS PAD WAS DONE ON 3/5/2015		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> November 02, 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> 10/13/2015	