

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER FD 1-18D-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') SHIRLEY AND GLENN 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 type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>								
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN		
LOCATION AT SURFACE		500 FNL 660 FEL		NENE		18		2.0 S		2.0 E		U		
Top of Uppermost Producing Zone		660 FNL 660 FEL		NENE		18		2.0 S		2.0 E		U		
At Total Depth		660 FNL 660 FEL		NENE		18		2.0 S		2.0 E		U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640								
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1782			26. PROPOSED DEPTH MD: 12671 TVD: 12668								
27. ELEVATION - GROUND LEVEL 5181			28. BOND NUMBER LMP4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645								
Hole, Casing, and Cement Information														
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 - 2500	36.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown		400	3.16	11.0			
							Halliburton Premium , Type Unknown		230	1.36	14.8			
I1	8.75	7	0 - 8744	26.0	P-110 LT&C	10.0	Halliburton Light , Type Unknown		490	2.31	11.0			
							Unknown		320	1.42	13.5			
L1	6.125	4.5	8544 - 12671	13.5	P-110 LT&C	12.5	Halliburton Premium , Type Unknown		510	1.18	15.6			
ATTACHMENTS														
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES														
<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 checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP								
NAME Brady Riley				TITLE Permit Analyst				PHONE 303 312-8115						
SIGNATURE				DATE 06/18/2013				EMAIL briley@billbarrettcorp.com						
API NUMBER ASSIGNED 43047538750000				APPROVAL  Permit Manager										

BILL BARRETT CORPORATION
DRILLING PLAN

FD 1-18D-2-2

NENE, 500' FNL and 660' FEL, Section 18, T2S-R2E, USB&M (surface hole)

NENE, 660' FNL and 660' 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</u>	<u>Depth – TVD</u>
Green River	5,837'	5,835'
Mahogany	7,241'	7,238'
TGR3*	8,088'	8,085'
Douglas Creek	8,272'	8,269'
Black Shale	8,694'	8,691'
Castle Peak	8,956'	8,953'
Uteland Butte	9,240'	9,237'
Wasatch*	9,671'	9,668'
TD	12,671'	12,668'

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

Base of Useable Water = 5445'

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	8744'	7"	26#	P110	LTC	New
6 1/8"	8544'	TD	4 1/2" Liner	13.5#	P110	LTC	New

Bill Barrett Corporation
 Drilling Program
 FD 1-18D-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 ³ /sx, 100% excess Tail: 230 sx Halliburton Premium w/ additives and LCM, 14.8 ppg, 1.36 ft ³ /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 ³ /sx). Tail: 320 sx Halliburton Econocem w/ additives mixed at 13.5 ppg (yield = 1.42 ft ³ /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 ³ /sx), 4127' fill, Planned TOC @ 4.5" 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' – 8744'	9.4 – 10.0	42-58	25 cc or less	LSND Fluid System
8744' – 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 8234 psi* and maximum anticipated surface pressure equals approximately 5647 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

9. Auxiliary Equipment

Bill Barrett Corporation
Drilling Program
FD 1-18D-2-2
Uintah County, Utah

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

10. Location and Type of Water Supply

Water for the drilling and completion will be from:

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

11. Drilling Schedule

Location Construction: DEC 2013
Spud: DEC 2013
Duration: 15 days drilling time
6 days completion time

12. Appendix A

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

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



Cement Volume Calculations for the: FD 1-18D-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 ³ /sk	Proposed SX Tail =	230
Tail Weight =	14.80 lbm/gal		
Tail Yield =	1.39 ft ³ /sk		

Intermediate Hole:

<u>Hole Data:</u>		<u>Calculated Data:</u>	
Total Depth (MD) =	8,744'	Lead Fill =	4744 ft
TOC (MD) =	2,000'	Lead Volume =	134.3 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 ³ /sk	Proposed SX Tail =	320
Tail Weight =	13.50 lbm/gal		
Tail Yield =	1.42 ft ³ /sk		

Production Liner: 200' into Intermediate Casing

Hole Data:

Total Depth (MD) = **12,671'**
TOL (MD) = **8,544'**
Hole Diameter = **6.125"**
Liner OD = **4.500"**
Open Hole Excess = **50%**
Casing Excess = **50%**

Calculated Data:

Lead Fill = **4127** ft
Lead Volume = **69.8** bbl

Cement Data:

Lead Weight = **15.60** lbm/gal
Lead Yield = **1.18** ft³/sk

Proposed Cement Data:

Proposed SX Lead = **510**

CONFIDENTIAL

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.

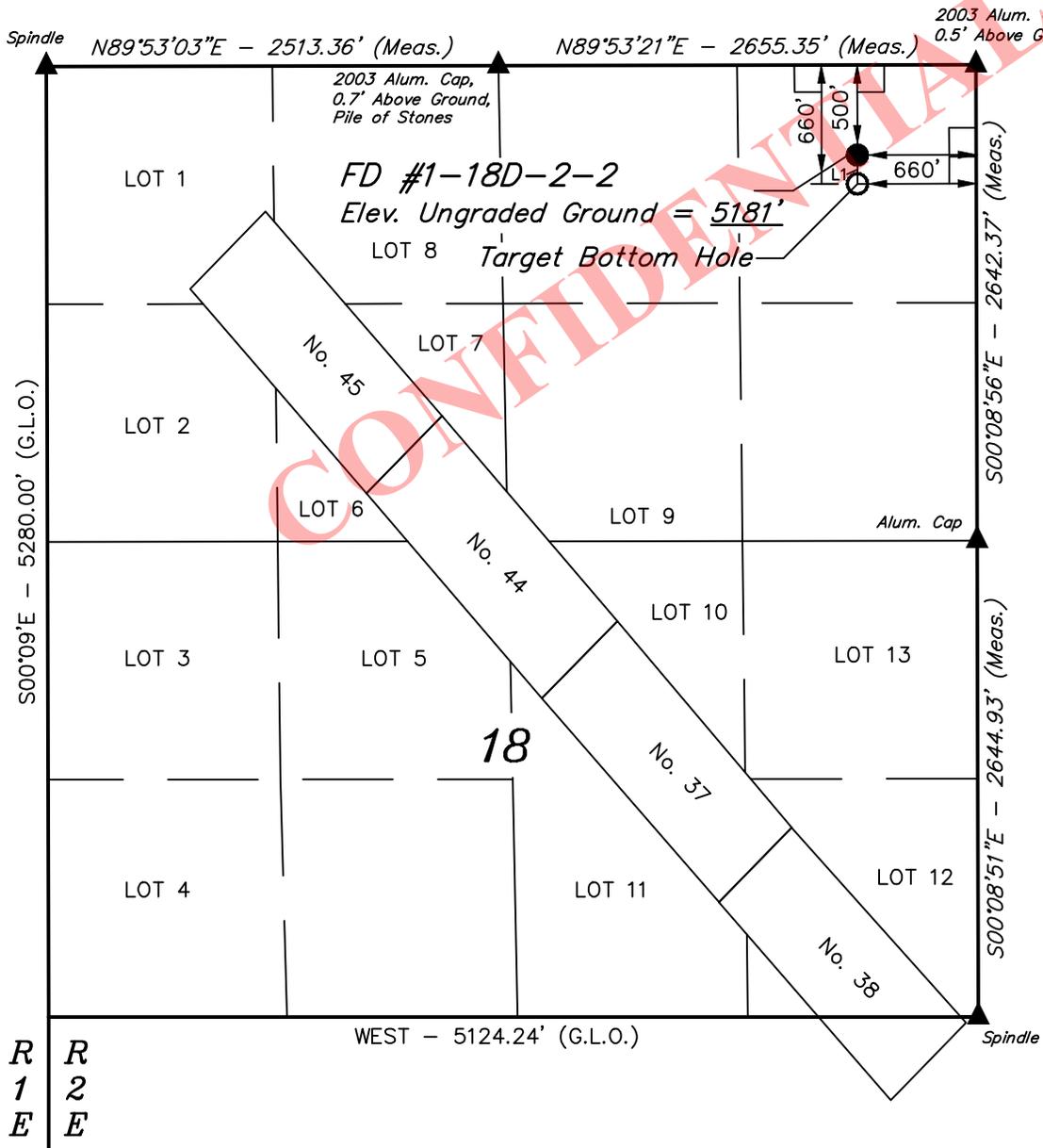
A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

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

BILL BARRETT CORPORATION

Well location, FD #1-18D-2-2, located as shown in NE 1/4 NE 1/4 of Section 18, T2S, R2E, U.S.B.&M., Uintah County, Utah.



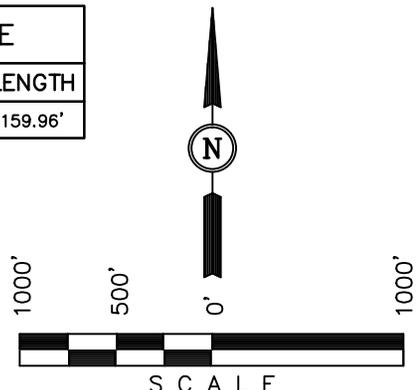
BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 26, T5S, R19E, S.L.B.&M., TAKEN FROM THE VERNAL SW, QUADRANGLE, UTAH, UINAH 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

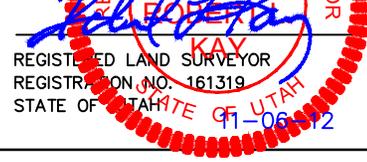
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°09'10"E	159.96'



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.



**R
1
E**
**R
2
E**

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°18'52.76" (40.314656)	LONGITUDE = 109°48'19.63" (109.805453)	LATITUDE = 40°18'54.34" (40.315094)	LONGITUDE = 109°48'19.64" (109.805456)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°18'52.90" (40.314694)	LONGITUDE = 109°48'17.11" (109.804753)	LATITUDE = 40°18'54.48" (40.315133)	LONGITUDE = 109°48'17.12" (109.804756)

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-18-12	DATE DRAWN: 10-26-12
PARTY C.R. A.S. R.L.L.		REFERENCES G.L.O. PLAT
WEATHER COOL		FILE BILL BARRET CORPORATION

BILL BARRETT CORPORATION

FD #1-18D-2-2

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

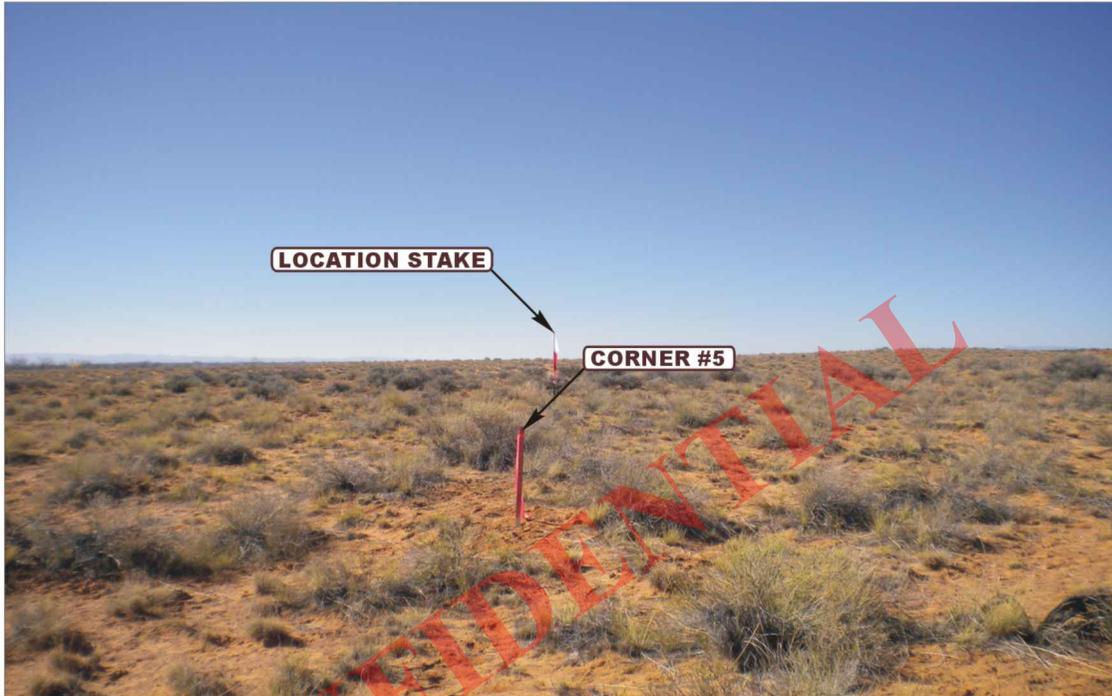


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



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

LOCATION PHOTOS	11	05	12	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: C.R.	DRAWN BY: C.I.		REVISED: 00-00-00	

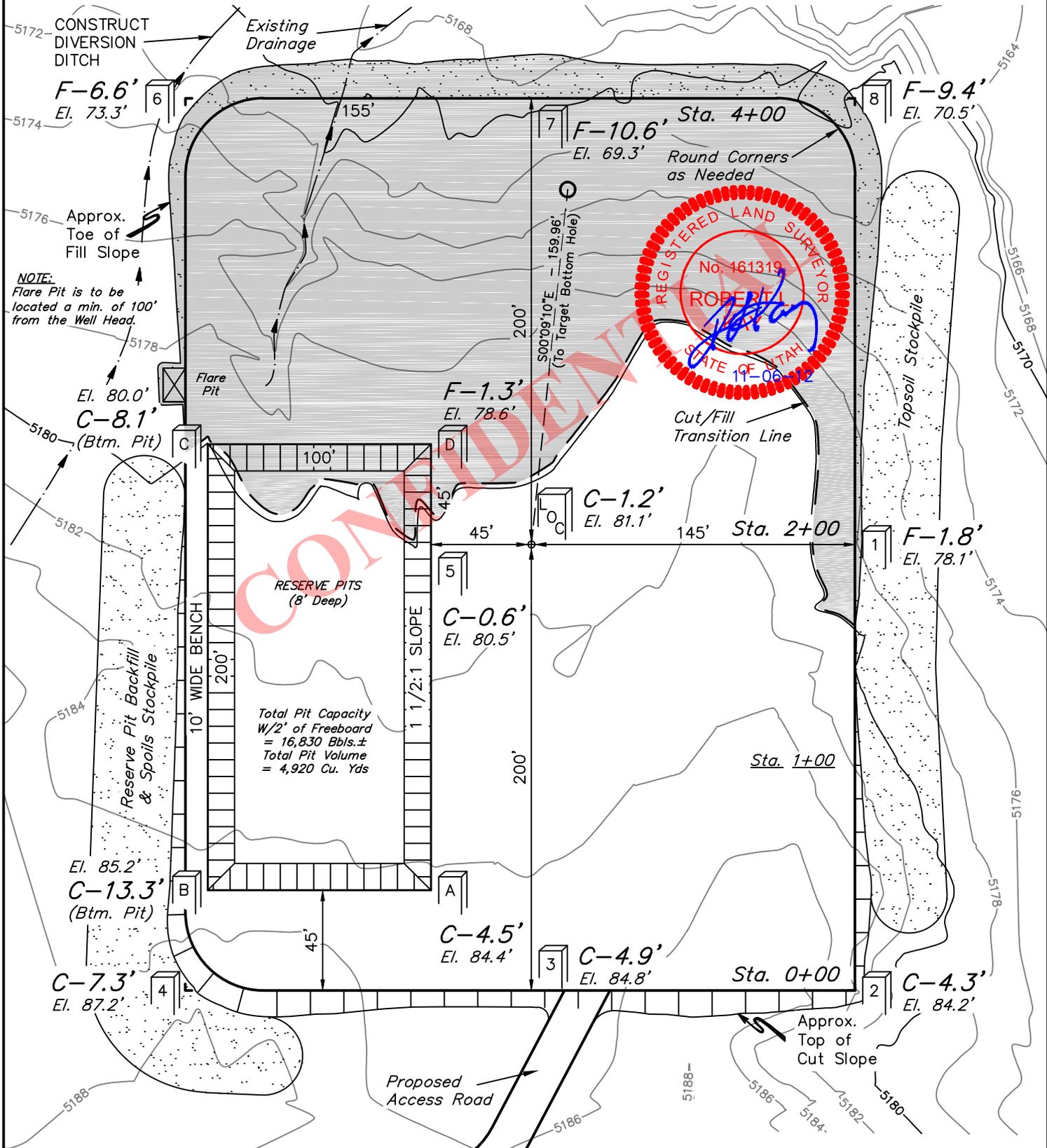
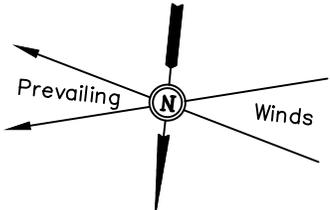
BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

FD #1-18D-2-2
SECTION 18, T2S, R2E, U.S.B.&M.
500' FNL 660' FEL

FIGURE #1

SCALE: 1" = 60'
DATE: 10-31-12
DRAWN BY: R.L.L.



Elev. Ungraded Ground At Loc. Stake = 5181.1'
FINISHED GRADE ELEV. AT LOC. STAKE = 5179.9'

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

RECEIVED: June 18, 2013

BILL BARRETT CORPORATION

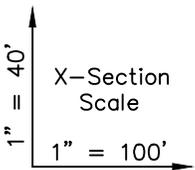
TYPICAL CROSS SECTIONS FOR

FD #1-18D-2-2

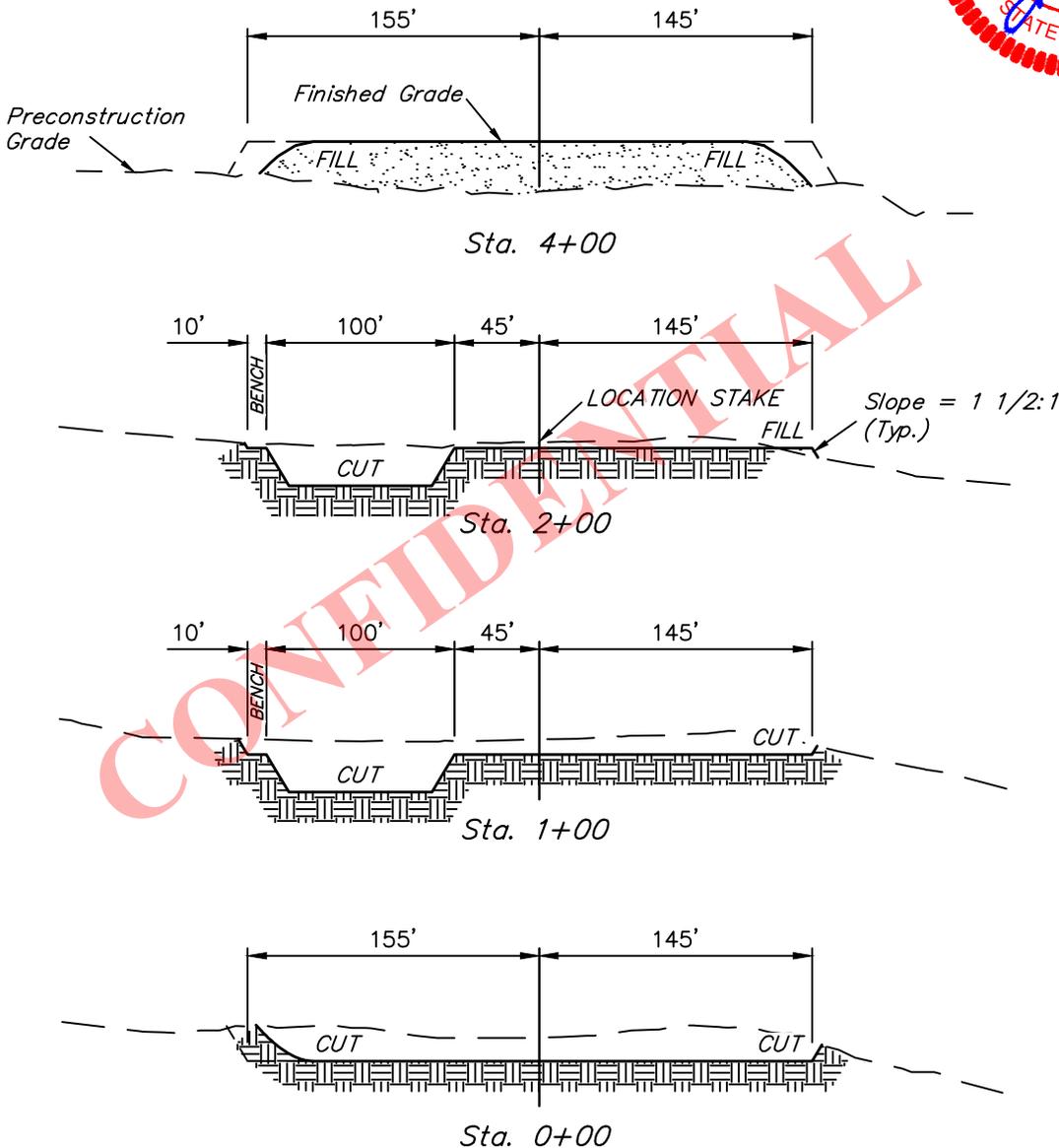
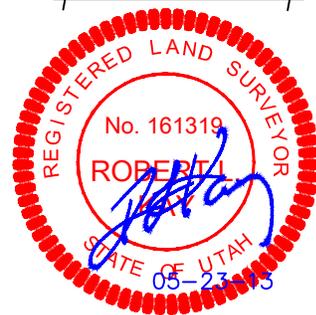
SECTION 18, T2S, R2E, U.S.B.&M.

500' FNL 660' FEL

FIGURE #2



DATE: 10-31-12
DRAWN BY: R.L.L.
REV: 05-23-13 B.D.H.



NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 4.362 ACRES
ACCESS ROAD DISTURBANCE	= ± 0.379 ACRES
PIPELINE DISTURBANCE	= ± 2.250 ACRES
TOTAL	= ± 6.991 ACRES

* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 2,430 Cu. Yds.
Remaining Location	= 12,260 Cu. Yds.
TOTAL CUT	= 14,690 CU. YDS.
FILL	= 9,800 CU. YDS.

EXCESS MATERIAL	= 4,890 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,890 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

FD #1-18D-2-2

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

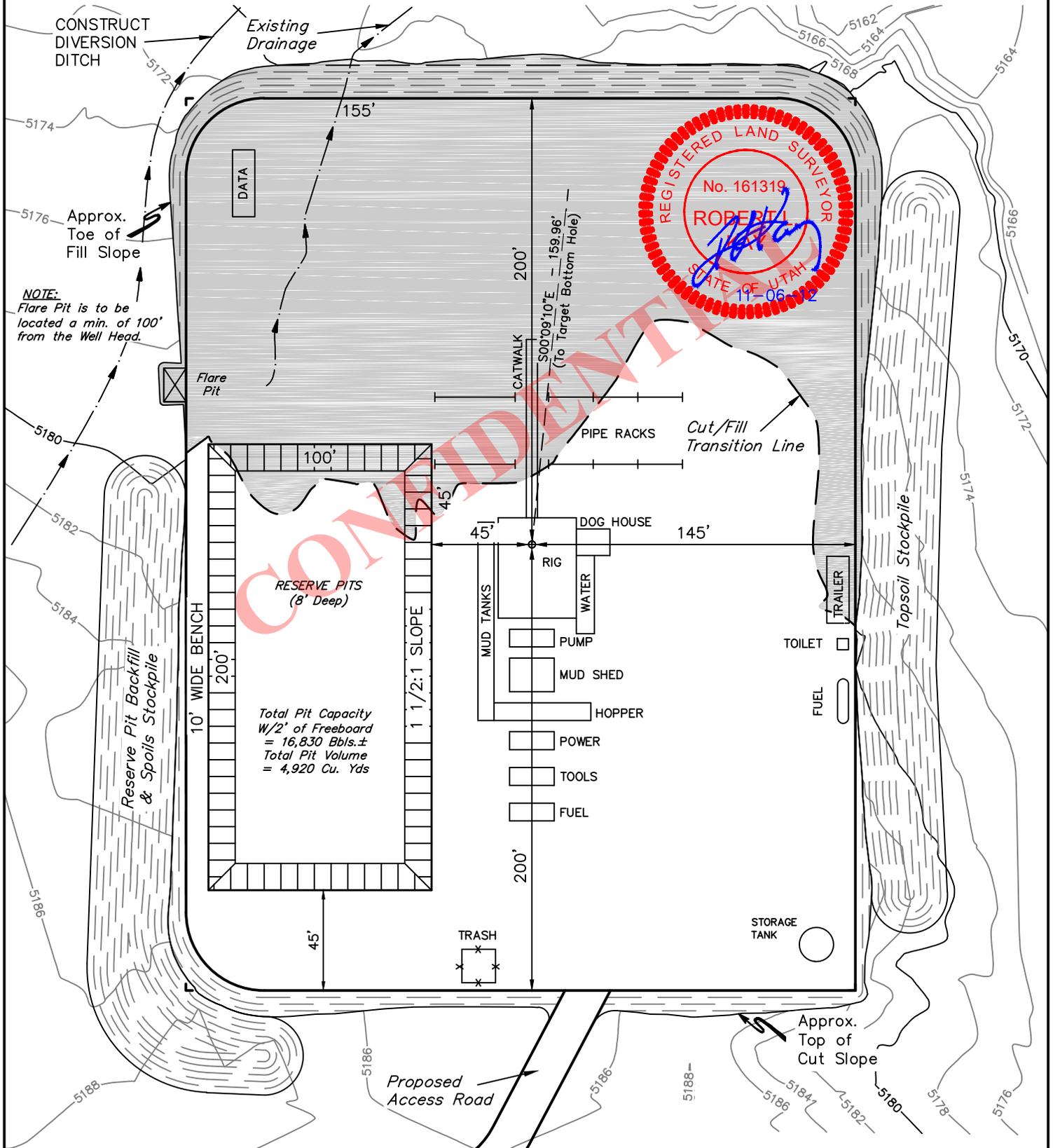
500' FNL 660' FEL

FIGURE #3

SCALE: 1" = 60'

DATE: 10-31-12

DRAWN BY: R.L.L.

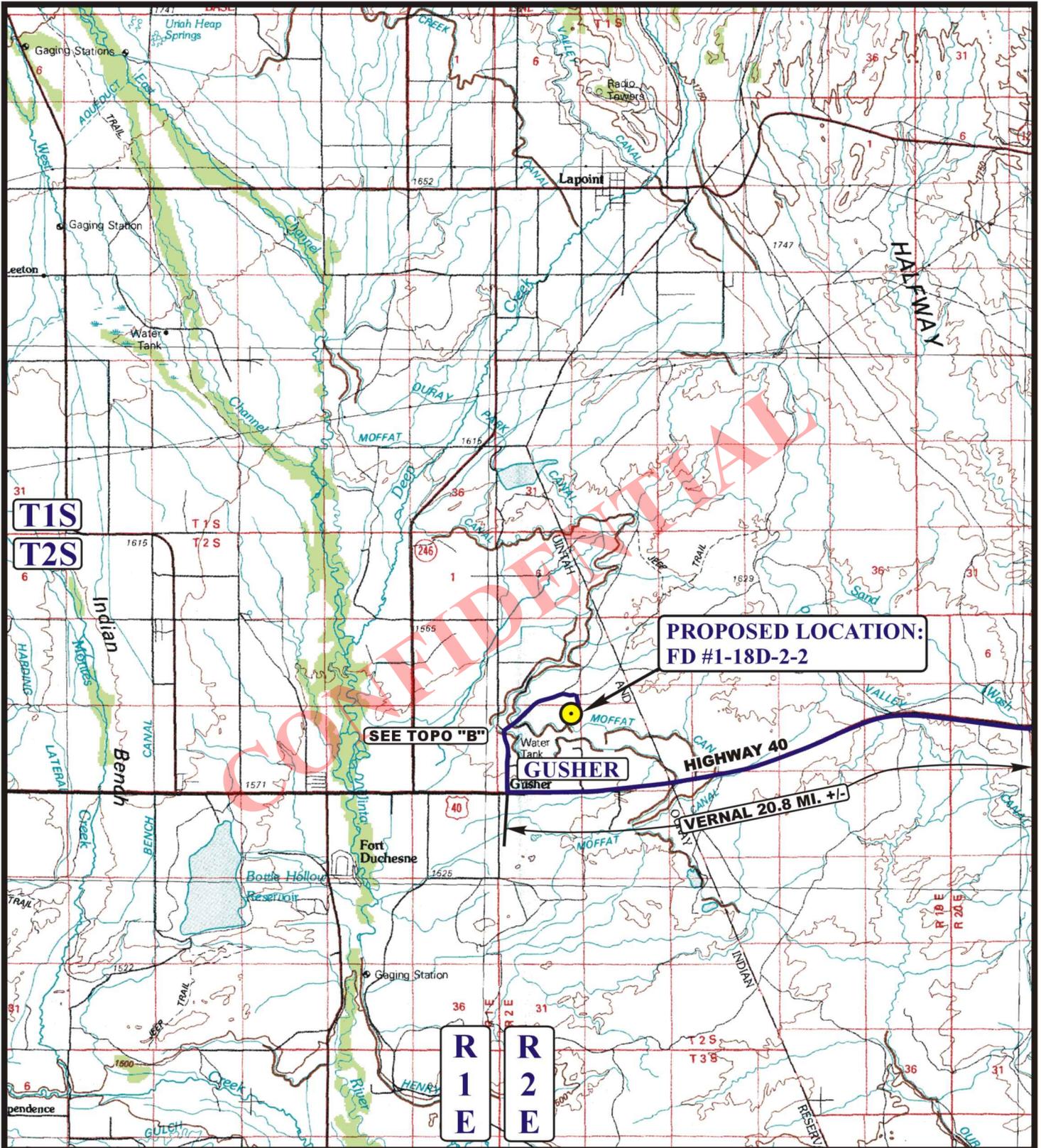


BILL BARRETT CORPORATION
FD #1-18D-2-2
SECTION 18, T2S, R2E, U.S.B.&M.

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 CLASS "D" COUNTY ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 6,319' TO THE PROPOSED ACCESS ROAD TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 608' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 22.8 MILES.

CONFIDENTIAL



**PROPOSED LOCATION:
FD #1-18D-2-2**

SEE TOPO "B"

GUSHER

HIGHWAY 40

VERNAL 20.8 MI. +/-

LEGEND:

PROPOSED LOCATION



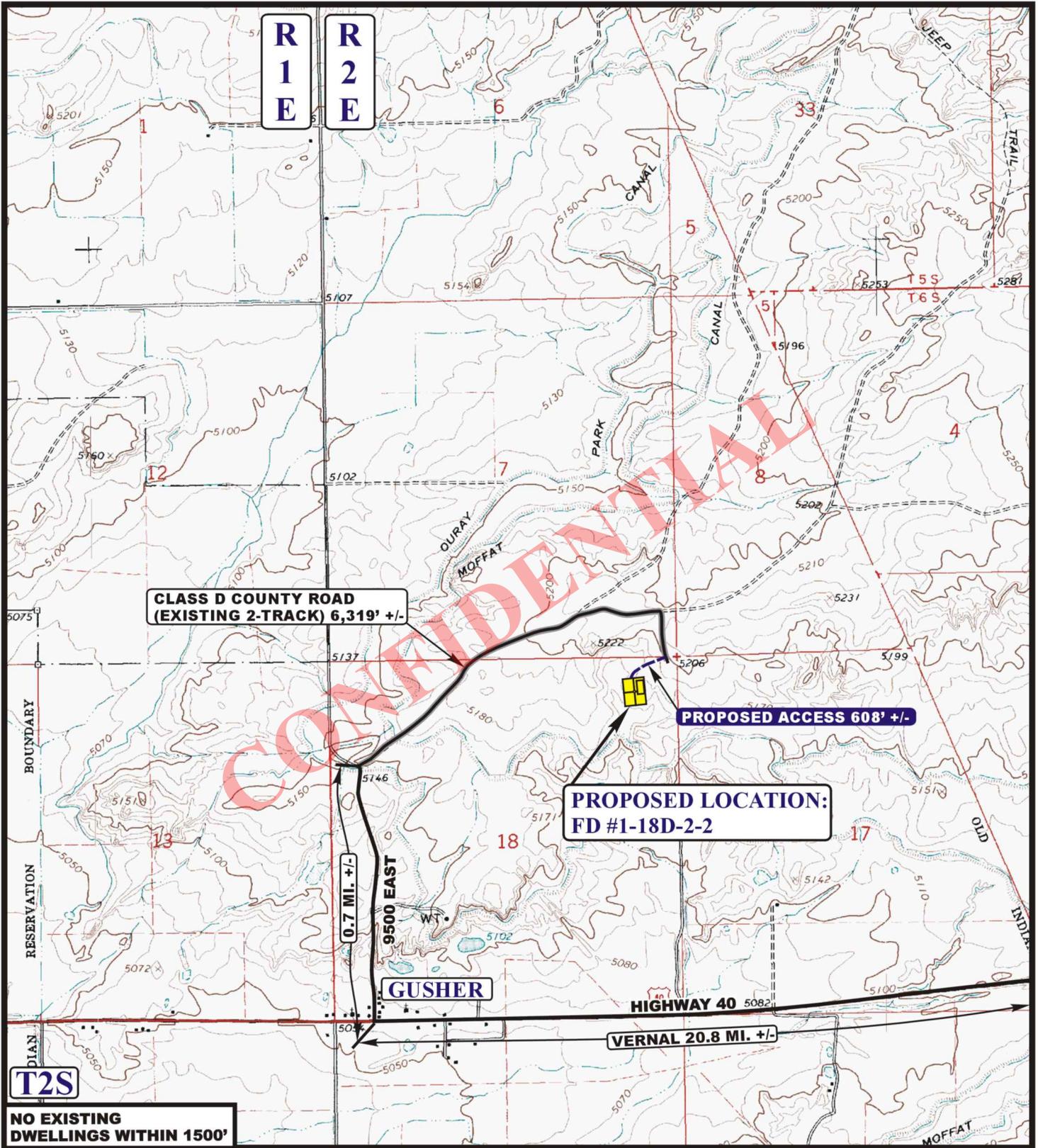
BILL BARRETT CORPORATION

**FD #1-18D-2-2
SECTION 18, T2S, R2E, U.S.B.&M.
500' FNL 660' FEL**

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

ACCESS ROAD	11 05 12
MAP	MONTH DAY YEAR
SCALE: 1:100,000	DRAWN BY: C.I. REVISED: 00-00-00

A
TOPO



LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  EXISTING 2-TRACK



BILL BARRETT CORPORATION

FD #1-18D-2
SECTION 18, T2S, R2E, U.S.B.&M.
500' FNL 660' FEL



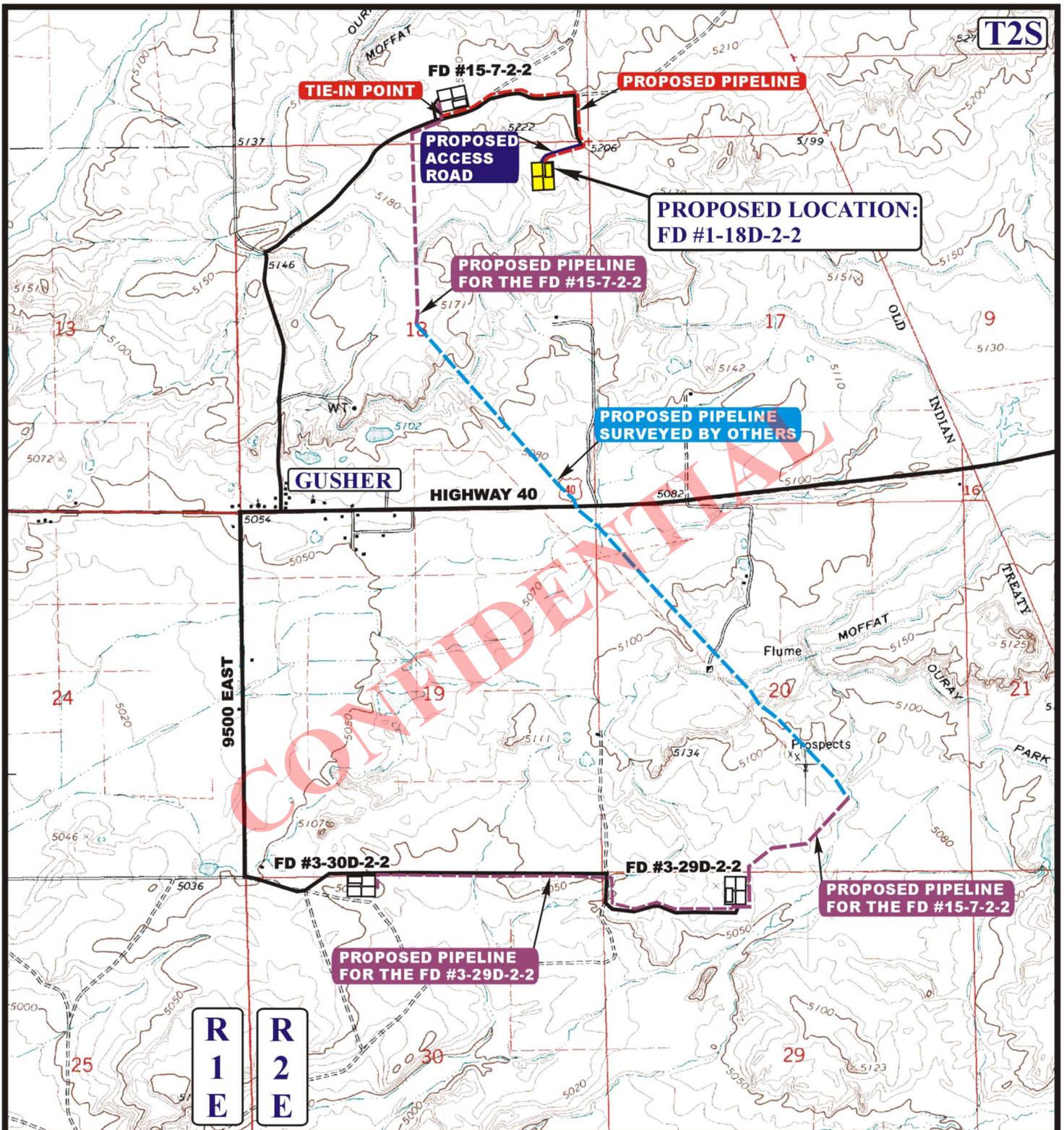
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

11 05 12
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 00-00-00

B
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 3,325' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)
- - - - - PROPOSED PIPELINE (SURVEYED BY OTHERS)

BILL BARRETT CORPORATION

FD #1-18D-2-2
SECTION 18, T2S, R2E, U.S.B.&M.
500' FNL 660' FEL



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



TOPOGRAPHIC MAP 11 05 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REV: 05-24-13 S.O.



MEMORANDUM OF SURFACE USE AGREEMENT

State of Utah)(
County of Uintah)(

For Ten Dollars (\$10.00) and other adequate consideration, 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 of P.O. Box 154, Lapoint, UT 84039, hereafter referred to as "Surface Owners" have granted, a Surface Use Agreement, to Bill Barrett Corporation of 1099 18th Street, #2300, Denver, CO 80202, hereafter referred to as "Bill Barrett", dated November 26, 2012, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from FD 1-18D-2-2 on the following land (the "Lands") in Uintah County Utah: A tract of land lying in the NE/4NE/4 of Section 18, Township 2 South, Range 2 East, USM, Uintah County.

The Surface Use Agreement is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Use Agreement.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 6th day of December, 2012.

SURFACE OWNER'S:

Signature of Glenn J. Huber
Glenn J. Huber

Signature of Shirley Huber
Shirley Huber

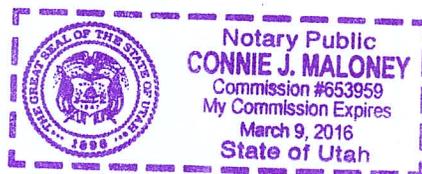
ACKNOWLEDGEMENT

STATE OF UTAH }
} :SS
COUNTY OF UINTAH }

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 6th day of December, 2012, personally appeared 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 of P.O. Box 154, Lapoint, UT 84039, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Signature of Connie J. Maloney
Notary Public

Residing At: Vernal, Utah



SURFACE USE AGREEMENT

(FD 1-18D-2-2)

THIS AGREEMENT Dated November 26, 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 of P.O. Box 154, Lapoint, UT 84039

whose address is P O B ox 154, Lapoint, Utah 84039
phone # (435-247-2336)

, hereinafter referred to as "Surface Owners", and
Bill Barrett Corporation and its Subsidiaries , whose address is 1099 18th Street, #2300, Denver, CO 80202
hereinafter referred to as "Operator".

WITNESSETH:

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

A Tract of land lying in the **NE/4NE/4, 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 Owners are generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

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

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

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

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

- a.
- f
- c
- t
- c
- c
- b.
- f

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

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

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

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

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

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

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

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

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

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

ADDITIONAL PROVISIONS:

SURFACE OWNERS:

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

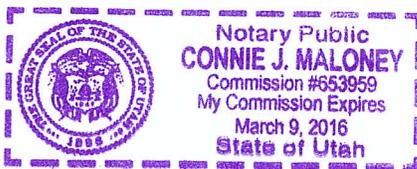
COUNTY of Uintah

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 6th day of December, 2012, personally appeared 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, to me known to be the identical person(s), described in and who executed the within and foregoing instrument of writing and acknowledged to me that they duly executed same as their free and voluntary act and deed for the uses and purposes therein set forth and in the capacity stated therein.

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

My Commission Expires: 3-9-16

Connie J. Maloney
Notary Public:



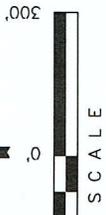
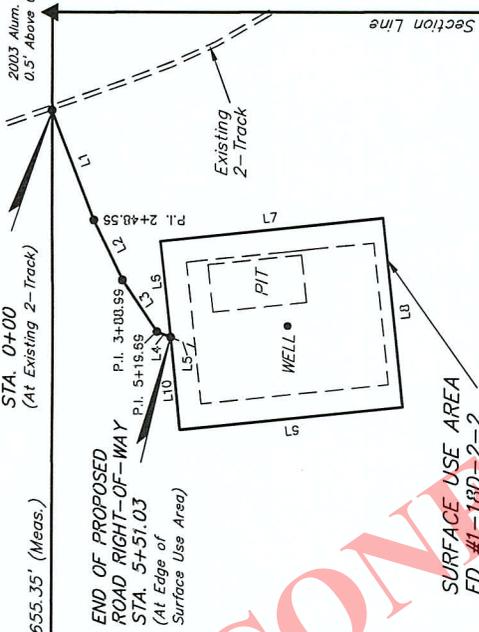
BILL BARRETT CORPORATION

**LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
FEE LANDS**

(For FD #1-18D-2-2)

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

2003 Alum. Cap.
0.5' Above Ground



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

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
GLEN J. HUBER FAMILY LIVING TRUST ET AL	551.03	0.379	33.40



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

UINTAH ENGINEERING & LAND SURVEYING
35 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84073

SCALE	1" = 300'	DATE	10-26-12
PARTY	C.R. A.S. R.L.L.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	5 3 1 3 3

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 5+51.03 (At Edge of Surface Use Area)

N89°53'21"E - 2655.35' (Meas.)

Section Line

LINE	DIRECTION	LENGTH
L1	S89°57'35"W	248.56'
L2	S64°29'41"W	140.43'
L3	S55°51'53"W	130.70'
L4	S21°47'40"W	31.34'
L5	S21°47'40"W	56.52'
L6	N84°00'03"E	203.65'
L7	S05°59'57"E	475.00'
L8	S84°00'03"W	400.00'
L9	N05°59'57"W	475.00'
L10	N84°00'03"E	195.35'

BEGINNING OF ROAD STA. 0+00 BEARS S89°53'21"W 204.94' FROM THE NORTHEAST CORNER OF SECTION 18, T2S, R2E, U.S.B.&M.
END OF ROAD STA. 5+51.03 BEARS S69°43'16"W 728.66' FROM THE NORTHEAST CORNER OF SECTION 18, T2S, R2E, U.S.B.&M.

NE 1/4

1/16 Section Line

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 NE 1/4 OF SECTION 18, T2S, R2E, U.S.B.&M. WHICH BEARS S89°43'16"W 728.66' FROM THE NORTHEAST CORNER OF SAID SECTION 18, THENCE N84°00'03"E 203.65'; THENCE S05°59'57"E 475.00'; THENCE S84°00'03"W 400.00'; THENCE N05°59'57"W 475.00'; THENCE N84°00'03"E 195.35' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.362 ACRES MORE OR LESS.

Sec. 18

LOT 9

1/4 Section Line

ROAD RIGHT-OF-WAY DESCRIPTION

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

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4 NE 1/4 OF SECTION 18, T2S, R2E, U.S.B.&M. WHICH BEARS S89°53'21"W 204.94' FROM THE NORTHEAST CORNER OF SAID SECTION 18, THENCE S89°57'35"W 248.56'; THENCE S64°29'41"W 140.43'; THENCE S55°51'53"W 130.70'; THENCE S21°47'48"W 31.34' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 18 WHICH BEARS S69°43'16"W 728.66' FROM THE NORTHEAST CORNER OF SAID SECTION 18. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.379 ACRES MORE OR LESS.

GLEN J. HUBER FAMILY LIVING TRUST ET AL

SURFACE USE AREA
FD #1-18D-2-2
Contains 4.362 Acres

1/16 Section Line

500°08'56"E - 2642.37' (Meas.)

Section Line

Alum. Cap

▲ = SECTION CORNERS LOCATED.

N89°53'03"E - 2513.35' (Meas.)

2003 Alum. Cap.
0.7' Above Ground.
Pile of Stones

NW Cor. Sec. 18,
Sprinkle

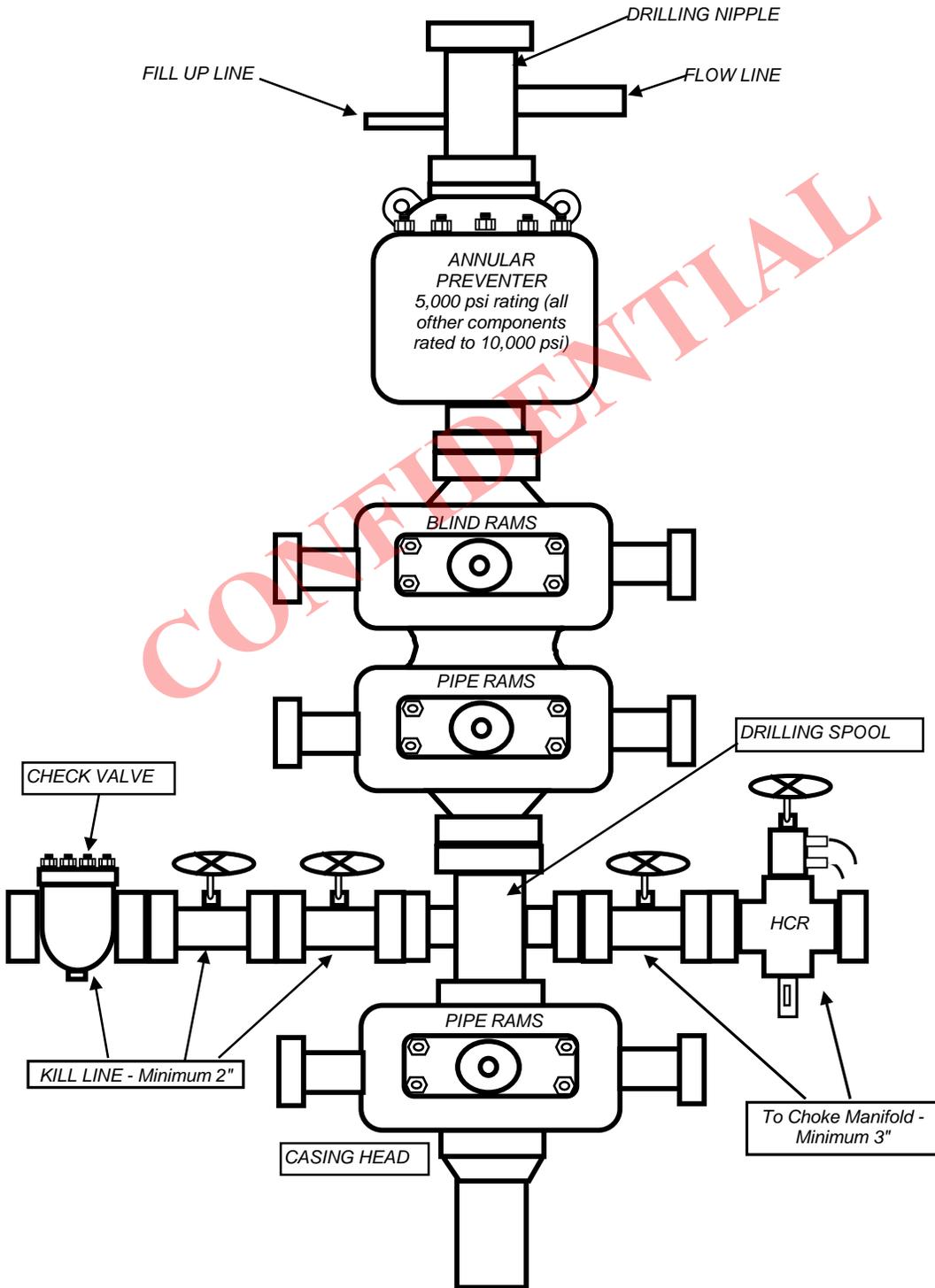
1/4 Section Line

No. 45

No. 44

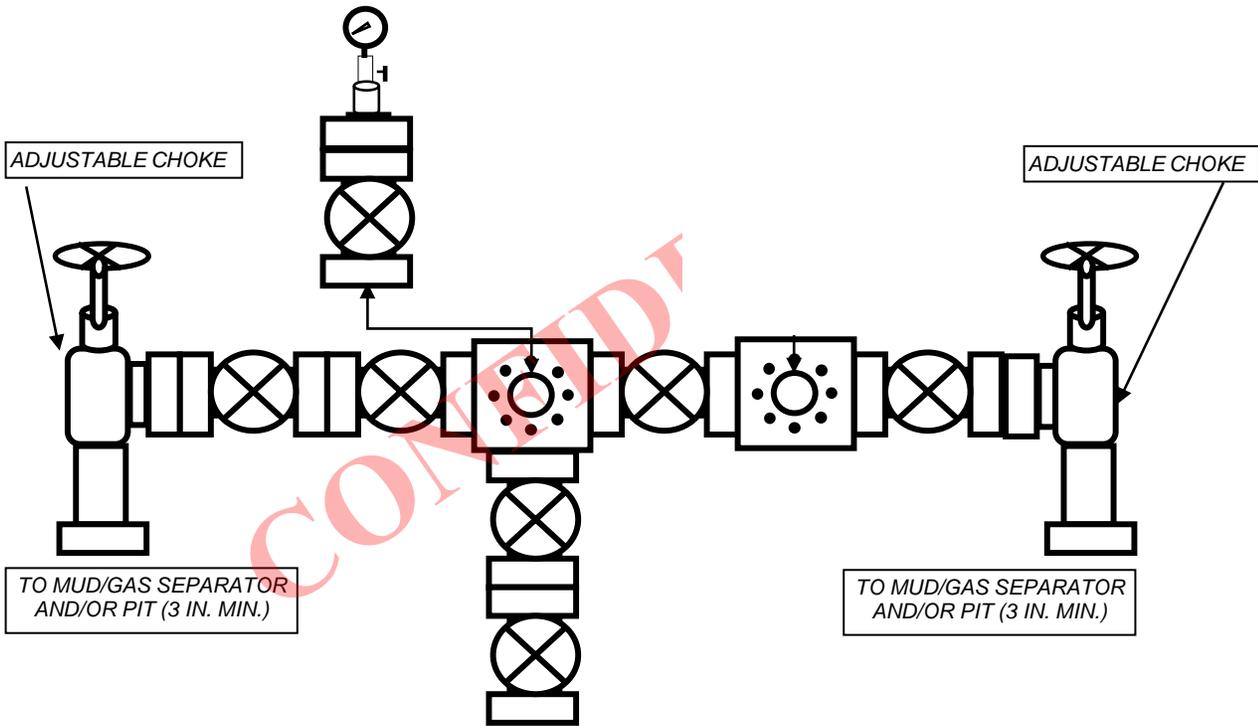
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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



ALL EQUIPMENT IS 3" (MINIMUM).

BILL BARRETT CORP

UINTAH COUNTY

FD 1-18D-2-2

FD 1-18D-2-2

Wellbore #1

Plan: Design #1

Standard Planning Report

22 April, 2013

CONFIDENTIAL



SITE DETAILS: FD 1-18D-2-2
Fort Duchesne

Site Latitude: 40° 18' 54.479 N
Site Longitude: 109° 48' 17.122 W

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio

Positional Uncertainty: 0.0
Convergence: 1.12
Local North: True

WELL DETAILS: FD 1-18D-2-2

Ground Level: 5180.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	-2019.16	2472778.77	40° 18' 54.479 N	109° 48' 17.122 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
FD 1-18D-2-2 BTV	7000.0	-159.9	0.8	40° 18' 52.898 N	109° 48' 17.111 W	Rectangle (Sides: L200.0 W200.0)
FD 1-18D-2-2 PBHL	12668.0	-159.9	0.8	40° 18' 52.898 N	109° 48' 17.111 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

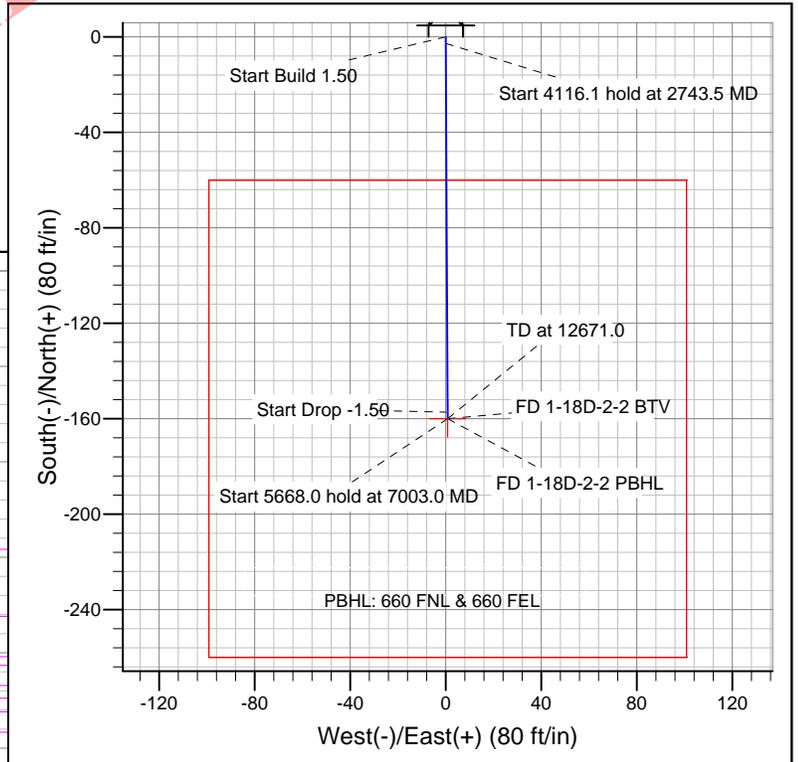
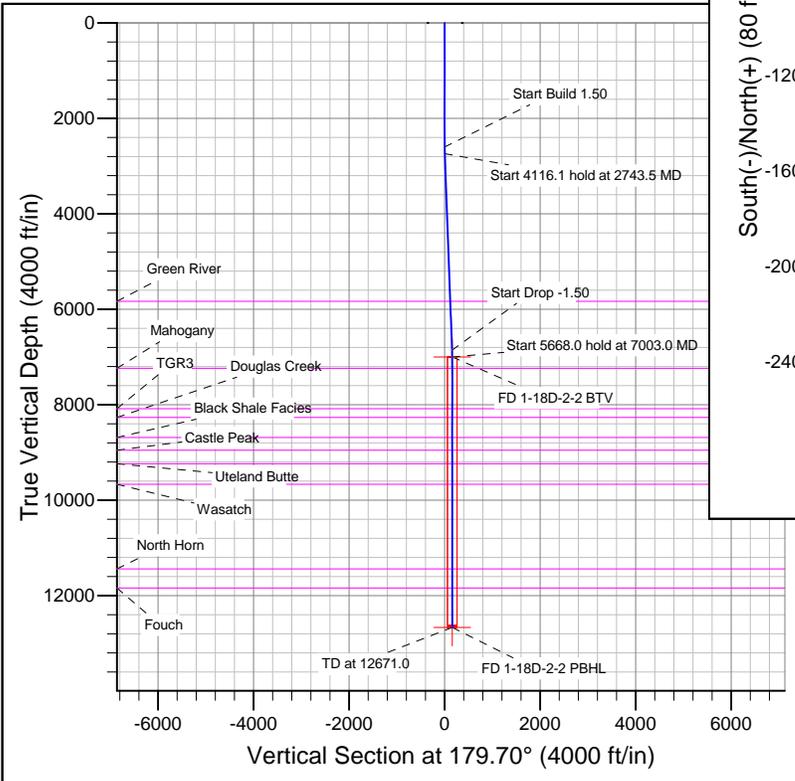
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3	2743.5	2.15	179.70	2743.4	-2.7	0.0	1.50	179.70	2.7	
4	6859.5	2.15	179.70	6856.6	-157.2	0.8	0.00	0.00	157.2	
5	7003.0	0.00	0.00	7000.0	-159.9	0.8	1.50	180.00	159.9	FD 1-18D-2-2 BTV
6	12671.0	0.00	0.00	12668.0	-159.9	0.8	0.00	0.00	159.9	FD 1-18D-2-2 PBHL

FORMATION TOP DETAILS

TVDP	Path	MDPath	Formation
5835.0		5837.2	Green River
7238.0		7241.0	Mahogany
8085.0		8088.0	TGR3
8269.0		8272.0	Douglas Creek
8691.0		8694.0	Black Shale Facies
8953.0		8956.0	Castle Peak
9237.0		9240.0	Uteland Butte
9668.0		9671.0	Wasatch
11440.0		11443.0	North Horn
11843.0		11846.0	Fouch

CASING DETAILS

No casing data is available



T
M
 Azimuths to True North
 Magnetic North: 11.01°
 Magnetic Field
 Strength: 52271.5nT
 Dip Angle: 66.02°
 Date: 4/19/2013
 Model: IGRF2010

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 1-18D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5195.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5195.0ft (Original Well Elev)
Site:	FD 1-18D-2-2	North Reference:	True
Well:	FD 1-18D-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	UINTAH COUNTY		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah North 4301		

Site	FD 1-18D-2-2				
Site Position:		Northing:	-2,019.16 ft	Latitude:	40° 18' 54.479 N
From:	Lat/Long	Easting:	2,472,778.77 ft	Longitude:	109° 48' 17.122 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	1.12 °

Well	FD 1-18D-2-2					
Well Position	+N/-S	0.0 ft	Northing:	-2,019.16 ft	Latitude:	40° 18' 54.479 N
	+E/-W	0.0 ft	Easting:	2,472,778.77 ft	Longitude:	109° 48' 17.122 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,180.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	4/19/2013	(°)	(°)	(nT)
			11.01	66.02	52,272

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	179.70

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,743.5	2.15	179.70	2,743.4	-2.7	0.0	1.50	1.50	0.00	179.70	
6,859.5	2.15	179.70	6,856.6	-157.2	0.8	0.00	0.00	0.00	0.00	
7,003.0	0.00	0.00	7,000.0	-159.9	0.8	1.50	-1.50	0.00	180.00	FD 1-18D-2-2 BTV
12,671.0	0.00	0.00	12,668.0	-159.9	0.8	0.00	0.00	0.00	0.00	FD 1-18D-2-2 PBHL

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 1-18D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5195.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5195.0ft (Original Well Elev)
Site:	FD 1-18D-2-2	North Reference:	True
Well:	FD 1-18D-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
2,700.0	1.50	179.70	2,700.0	-1.3	0.0	1.3	1.50	1.50	0.00
2,743.5	2.15	179.70	2,743.4	-2.7	0.0	2.7	1.50	1.50	0.00
Start 4116.1 hold at 2743.5 MD									
2,800.0	2.15	179.70	2,799.9	-4.8	0.0	4.8	0.00	0.00	0.00
2,900.0	2.15	179.70	2,899.9	-8.6	0.0	8.6	0.00	0.00	0.00
3,000.0	2.15	179.70	2,999.8	-12.3	0.1	12.3	0.00	0.00	0.00
3,100.0	2.15	179.70	3,099.7	-16.1	0.1	16.1	0.00	0.00	0.00
3,200.0	2.15	179.70	3,199.6	-19.8	0.1	19.8	0.00	0.00	0.00
3,300.0	2.15	179.70	3,299.6	-23.6	0.1	23.6	0.00	0.00	0.00
3,400.0	2.15	179.70	3,399.5	-27.3	0.1	27.3	0.00	0.00	0.00
3,500.0	2.15	179.70	3,499.4	-31.1	0.2	31.1	0.00	0.00	0.00
3,600.0	2.15	179.70	3,599.4	-34.9	0.2	34.9	0.00	0.00	0.00
3,700.0	2.15	179.70	3,699.3	-38.6	0.2	38.6	0.00	0.00	0.00
3,800.0	2.15	179.70	3,799.2	-42.4	0.2	42.4	0.00	0.00	0.00
3,900.0	2.15	179.70	3,899.2	-46.1	0.2	46.1	0.00	0.00	0.00
4,000.0	2.15	179.70	3,999.1	-49.9	0.3	49.9	0.00	0.00	0.00
4,100.0	2.15	179.70	4,099.0	-53.6	0.3	53.6	0.00	0.00	0.00
4,200.0	2.15	179.70	4,198.9	-57.4	0.3	57.4	0.00	0.00	0.00
4,300.0	2.15	179.70	4,298.9	-61.1	0.3	61.1	0.00	0.00	0.00
4,400.0	2.15	179.70	4,398.8	-64.9	0.3	64.9	0.00	0.00	0.00
4,500.0	2.15	179.70	4,498.7	-68.7	0.4	68.6	0.00	0.00	0.00
4,600.0	2.15	179.70	4,598.7	-72.4	0.4	72.4	0.00	0.00	0.00
4,700.0	2.15	179.70	4,698.6	-76.2	0.4	76.2	0.00	0.00	0.00
4,800.0	2.15	179.70	4,798.5	-79.9	0.4	79.9	0.00	0.00	0.00
4,900.0	2.15	179.70	4,898.4	-83.7	0.4	83.7	0.00	0.00	0.00
5,000.0	2.15	179.70	4,998.4	-87.4	0.5	87.4	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 1-18D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5195.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5195.0ft (Original Well Elev)
Site:	FD 1-18D-2-2	North Reference:	True
Well:	FD 1-18D-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,100.0	2.15	179.70	5,098.3	-91.2	0.5	91.2	0.00	0.00	0.00	
5,200.0	2.15	179.70	5,198.2	-94.9	0.5	94.9	0.00	0.00	0.00	
5,300.0	2.15	179.70	5,298.2	-98.7	0.5	98.7	0.00	0.00	0.00	
5,400.0	2.15	179.70	5,398.1	-102.4	0.5	102.4	0.00	0.00	0.00	
5,500.0	2.15	179.70	5,498.0	-106.2	0.6	106.2	0.00	0.00	0.00	
5,600.0	2.15	179.70	5,598.0	-110.0	0.6	110.0	0.00	0.00	0.00	
5,700.0	2.15	179.70	5,697.9	-113.7	0.6	113.7	0.00	0.00	0.00	
5,800.0	2.15	179.70	5,797.8	-117.5	0.6	117.5	0.00	0.00	0.00	
5,837.2	2.15	179.70	5,835.0	-118.9	0.6	118.9	0.00	0.00	0.00	
Green River										
5,900.0	2.15	179.70	5,897.7	-121.2	0.6	121.2	0.00	0.00	0.00	
6,000.0	2.15	179.70	5,997.7	-125.0	0.7	125.0	0.00	0.00	0.00	
6,100.0	2.15	179.70	6,097.6	-128.7	0.7	128.7	0.00	0.00	0.00	
6,200.0	2.15	179.70	6,197.5	-132.5	0.7	132.5	0.00	0.00	0.00	
6,300.0	2.15	179.70	6,297.5	-136.2	0.7	136.2	0.00	0.00	0.00	
6,400.0	2.15	179.70	6,397.4	-140.0	0.7	140.0	0.00	0.00	0.00	
6,500.0	2.15	179.70	6,497.3	-143.7	0.8	143.7	0.00	0.00	0.00	
6,600.0	2.15	179.70	6,597.2	-147.5	0.8	147.5	0.00	0.00	0.00	
6,700.0	2.15	179.70	6,697.2	-151.3	0.8	151.3	0.00	0.00	0.00	
6,800.0	2.15	179.70	6,797.1	-155.0	0.8	155.0	0.00	0.00	0.00	
6,859.5	2.15	179.70	6,856.6	-157.2	0.8	157.2	0.00	0.00	0.00	
Start Drop -1.50										
6,900.0	1.54	179.70	6,897.0	-158.6	0.8	158.6	1.50	-1.50	0.00	
7,000.0	0.04	179.70	6,997.0	-159.9	0.8	159.9	1.50	-1.50	0.00	
7,003.0	0.00	0.00	7,000.0	-159.9	0.8	159.9	1.50	-1.50	0.00	
Start 5668.0 hold at 7003.0 MD										
7,100.0	0.00	0.00	7,097.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,197.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,241.0	0.00	0.00	7,238.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Mahogany										
7,300.0	0.00	0.00	7,297.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,397.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,497.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,597.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,697.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,797.0	-159.9	0.8	159.9	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,897.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,997.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,088.0	0.00	0.00	8,085.0	-159.9	0.8	159.9	0.00	0.00	0.00	
TGR3										
8,100.0	0.00	0.00	8,097.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,197.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,272.0	0.00	0.00	8,269.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Douglas Creek										
8,300.0	0.00	0.00	8,297.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,397.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,497.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,597.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,694.0	0.00	0.00	8,691.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Black Shale Facies										
8,700.0	0.00	0.00	8,697.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,797.0	-159.9	0.8	159.9	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,897.0	-159.9	0.8	159.9	0.00	0.00	0.00	

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 1-18D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5195.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5195.0ft (Original Well Elev)
Site:	FD 1-18D-2-2	North Reference:	True
Well:	FD 1-18D-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,956.0	0.00	0.00	8,953.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Castle Peak										
9,000.0	0.00	0.00	8,997.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,097.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,197.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,240.0	0.00	0.00	9,237.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Uteland Butte										
9,300.0	0.00	0.00	9,297.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,397.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,497.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,597.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,671.0	0.00	0.00	9,668.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Wasatch										
9,700.0	0.00	0.00	9,697.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,797.0	-159.9	0.8	159.9	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,897.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,997.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,097.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,197.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,297.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,397.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,497.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,597.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,697.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,797.0	-159.9	0.8	159.9	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,897.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,997.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,097.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,197.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,297.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,397.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,443.0	0.00	0.00	11,440.0	-159.9	0.8	159.9	0.00	0.00	0.00	
North Horn										
11,500.0	0.00	0.00	11,497.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,597.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,697.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,797.0	-159.9	0.8	159.9	0.00	0.00	0.00	
11,846.0	0.00	0.00	11,843.0	-159.9	0.8	159.9	0.00	0.00	0.00	
Fouch										
11,900.0	0.00	0.00	11,897.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,000.0	0.00	0.00	11,997.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,100.0	0.00	0.00	12,097.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,200.0	0.00	0.00	12,197.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,300.0	0.00	0.00	12,297.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,400.0	0.00	0.00	12,397.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,500.0	0.00	0.00	12,497.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,600.0	0.00	0.00	12,597.0	-159.9	0.8	159.9	0.00	0.00	0.00	
12,671.0	0.00	0.00	12,668.0	-159.9	0.8	159.9	0.00	0.00	0.00	
TD at 12671.0										

Bill Barrett Corp

Planning Report

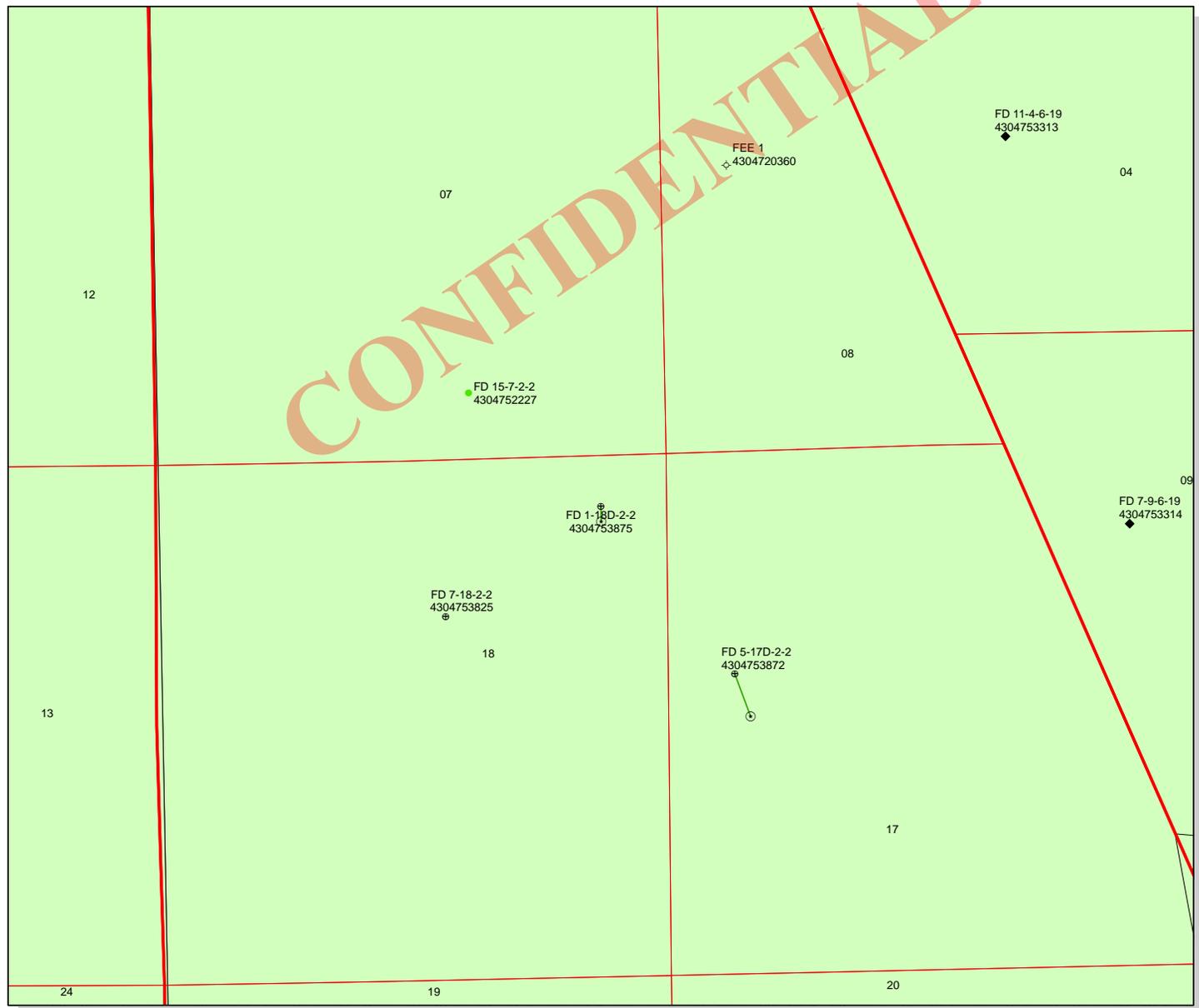
Database:	Compass	Local Co-ordinate Reference:	Site FD 1-18D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5195.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5195.0ft (Original Well Elev)
Site:	FD 1-18D-2-2	North Reference:	True
Well:	FD 1-18D-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
FD 1-18D-2-2 BTV - plan hits target - Rectangle (sides W200.0 H200.0 D5,630.0)	0.00	0.00	7,000.0	-159.9	0.8	-2,179.05	2,472,782.73	40° 18' 52.898 N	109° 48' 17.111 W
FD 1-18D-2-2 PBHL - plan hits target - Rectangle (sides W200.0 H200.0 D0.0)	0.00	0.00	12,668.0	-159.9	0.8	-2,179.05	2,472,782.73	40° 18' 52.898 N	109° 48' 17.111 W

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,837.2	5,835.0	Green River		0.00		
7,241.0	7,238.0	Mahogany		0.00		
8,088.0	8,085.0	TGR3		0.00		
8,272.0	8,269.0	Douglas Creek		0.00		
8,694.0	8,691.0	Black Shale Facies		0.00		
8,956.0	8,953.0	Castle Peak		0.00		
9,240.0	9,237.0	Uteland Butte		0.00		
9,671.0	9,668.0	Wasatch		0.00		
11,443.0	11,440.0	North Horn		0.00		
11,846.0	11,843.0	Fouch		0.00		

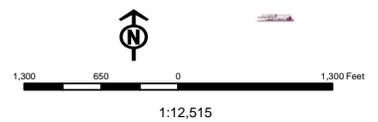
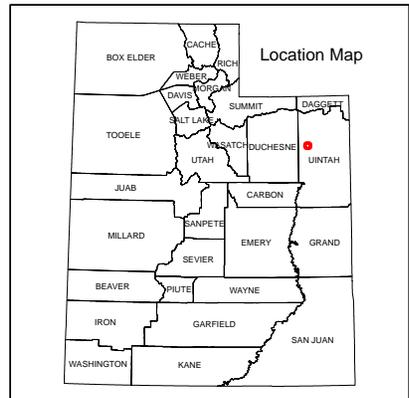
Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
2,600.0	2,600.0	0.0	0.0	Start Build 1.50	
2,743.5	2,743.4	-2.7	0.0	Start 4116.1 hold at 2743.5 MD	
6,859.5	6,856.6	-157.2	0.8	Start Drop -1.50	
7,003.0	7,000.0	-159.9	0.8	Start 5668.0 hold at 7003.0 MD	
12,671.0	12,668.0	-159.9	0.8	TD at 12671.0	

CONFIDENTIAL



API Number: 4304753875
Well Name: FD 1-18D-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



Well Name	BILL BARRETT CORP FD 1-18D-2-2 43047538750000			
String	COND	SURF	I1	L1
Casing Size(")	16.000	9.625	7.000	4.500
Setting Depth (TVD)	80	2500	8741	12668
Previous Shoe Setting Depth (TVD)	0	80	2500	8741
Max Mud Weight (ppg)	8.7	8.7	10.0	12.5
BOPE Proposed (psi)	0	500	10000	10000
Casing Internal Yield (psi)	1000	3520	9950	12410
Operators Max Anticipated Pressure (psi)	8234			12.5

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=	1131	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	831	NO diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	581	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	599	NO OK
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

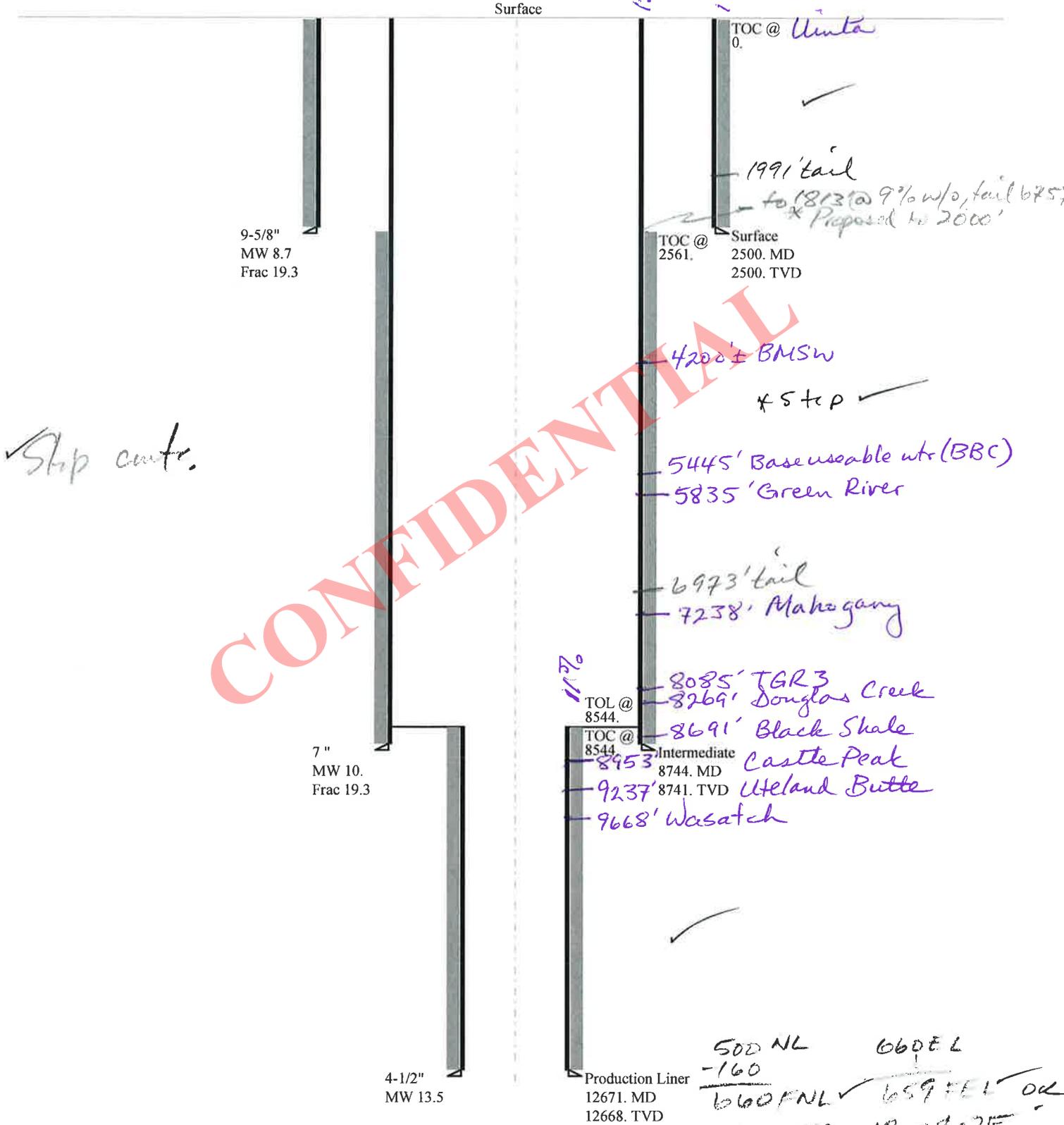
Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	4545	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3496	YES 11
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2622	YES 5M annular
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3172	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=	8234	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6714	YES 11
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5447	YES 5M annular
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7370	YES OK
Required Casing/BOPE Test Pressure=		8687	psi
*Max Pressure Allowed @ Previous Casing Shoe=		8741	psi *Assumes 1psi/ft frac gradient

43047538750000 FD 1-18D-2-2

Casing Schematic

Surface



9-5/8"
MW 8.7
Frac 19.3

7"
MW 10.
Frac 19.3

4-1/2"
MW 13.5

Production Liner
12671. MD
12668. TVD

127

172

TOC @ *Uinta*
0.

1991' tail
to 1813 @ 9% w/o, tail 6757
* Proposed to 2000'

TOC @
2561. Surface
2500. MD
2500. TVD

4200'± BMSw

* 5 top ✓

5445' Base useable wtr (BBC)

5835' Green River

6973' tail

7238' Mahogany

8085' TGR3

8269' Douglas Creek

8691' Black Shale

TOL @
8544.

TOC @
8544. Intermediate

8744. MD Castle Peak

9237' 8741. TVD Uteland Butte

9668' Wasatch

500 NL

660 EL

-160

660 FNL ✓ 659 FEL OK

NE NE Sec 18-28-2E

CONFIDENTIAL

✓ Slip contr.

Well name:	43047538750000 FD 1-18D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-047-53875
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: 8,741 ft
Next mud weight: 10.000 ppg
Next setting BHP: 4,541 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 13, 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:	43047538750000 FD 1-18D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Intermediate	Project ID:	43-047-53875
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 10.000 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: 196 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 2,561 ft

Burst

Max anticipated surface pressure: 6,097 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,020 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: 7,426 ft

Directional Info - Build & Drop

Kick-off point 2600 ft
Departure at shoe: 160 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Re subsequent strings:

Next setting depth: 12,668 ft
Next mud weight: 13.500 ppg
Next setting BHP: 8,884 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 8,741 ft
Injection pressure: 8,741 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	8744	7	26.00	P-110	LT&C	8741	8744	6.151	90894
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	4541	6230	1.372	8020	9950	1.24	227.3	693	3.05 J

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

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

Date: August 13, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8741 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.

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

Well name:	43047538750000 FD 1-18D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Production Liner	Project ID:	43-047-53875
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 13.500 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: 251 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 8,544 ft

Burst

Max anticipated surface pressure: 6,097 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 8,884 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: 11,840 ft

Liner top: 8,544 ft

Directional Info - Build & Drop

Kick-off point 2600 ft
Departure at shoe: 160 ft
Maximum dogleg: 0 °/100ft
Inclination at shoe: 0 °

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	4171	4.5	13.50	P-110	LT&C	12668	12671	3.795	23372
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	8884	10680	1.202	8884	12410	1.40	56.3	338	6.00 J

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

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

Date: August 13, 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 12668 ft, a mud weight of 13.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

Berm Required? Y

Very permeable soil, nearby drainages

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

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	TDS>10000	15
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		40 1 Sensitivity Level

Characteristics / Requirements

The reserve pit is proposed in a cut stable location. Dimensions are 200 x 100 x 8ft. Bill Barrett representative Kary Eldredge stated that a 20 mil reserve pit liner and felt subliner will be used. This liner program appears adequate for this location.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y**Other Observations / Comments**

Richard Powell
Evaluator

6/26/2013
Date / Time

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8199	43047538750000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	SHIRLEY AND GLENN HUBER	
Well Name	FD 1-18D-2-2		Unit		
Field	MOFFAT CANAL		Type of Work	DRILL	
Location	NENE 18 2S 2E U 500 FNL (UTM) 601494E 4463420N		660 FEL	GPS Coord	

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 2,500 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

7/3/2013
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. This location sits on an elevated point between two drainages which come from the north and meet just below the south side of the well. 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 south side of the location but it appears to be a good site for this well.

Richard Powell
Onsite Evaluator

6/26/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

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

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/18/2013

API NO. ASSIGNED: 43047538750000

WELL NAME: FD 1-18D-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NENE 18 020S 020E

Permit Tech Review:

SURFACE: 0500 FNL 0660 FEL

Engineering Review:

BOTTOM: 0660 FNL 0660 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.31514

LONGITUDE: -109.80549

UTM SURF EASTINGS: 601494.00

NORTHINGS: 4463420.00

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 - LMP4138148
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 49-1645
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

 R649-2-3.

Unit:

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

Board Cause No: Cause 139-106

Effective Date: 11/14/2013

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

 R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
 13 - Cement Volume Formation (3a) - hmacdonald
 15 - Directional - dmason
 25 - Surface Casing - hmacdonald



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FD 1-18D-2-2

API Well Number: 43047538750000

Lease Number: fee

Surface Owner: FEE (PRIVATE)

Approval Date: 12/3/2013

Issued to:

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

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-106. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

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

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD in order to adequately isolate the Green River formation.

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:

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: fee
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD 1-18D-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538750000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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: 6/5/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached, please find the updated drilling plan removing the intermediate casing. Please contact Brady Riley with questions to the revisions.

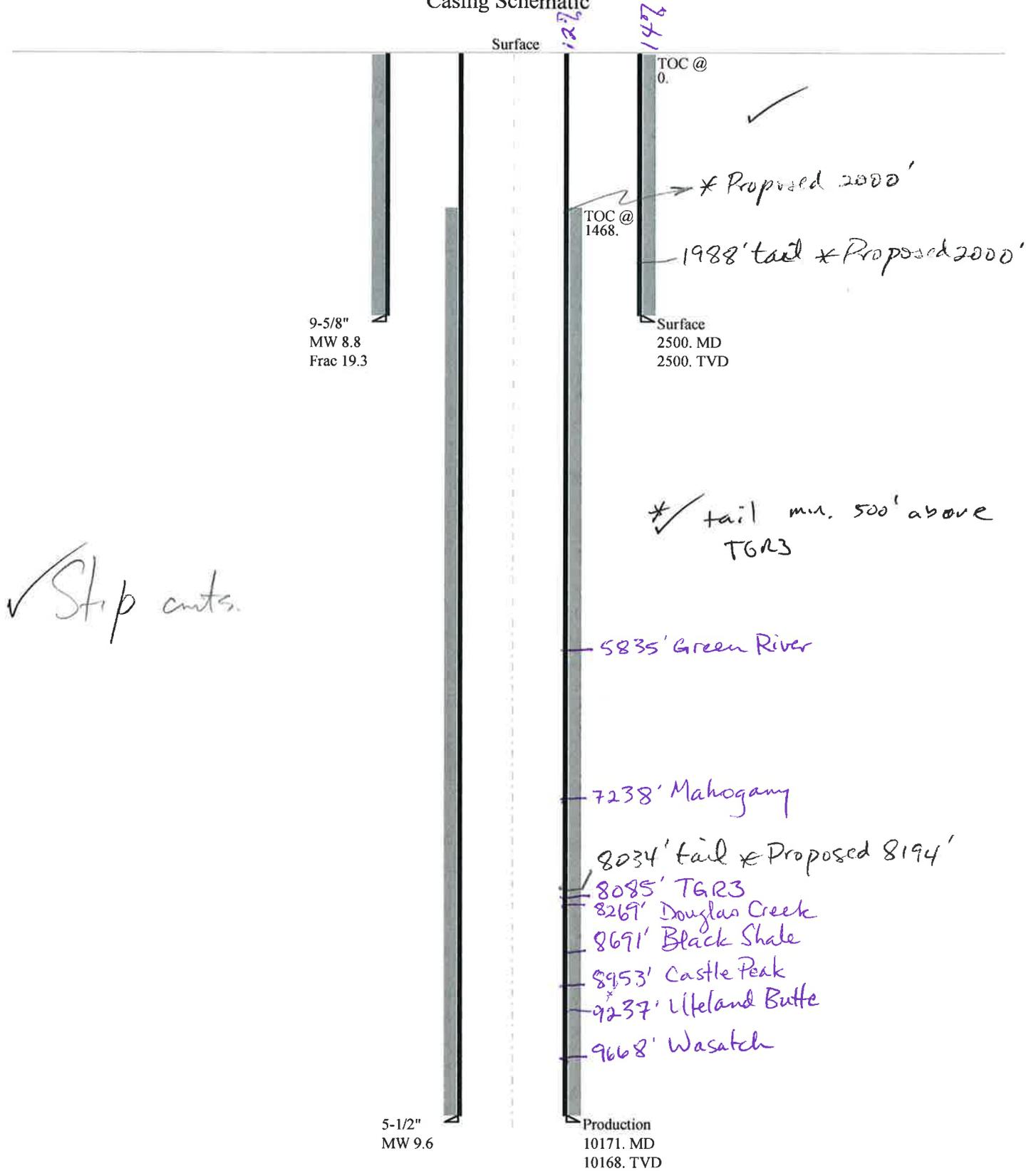
**Approved by the
 Utah Division of
 Oil, Gas and Mining
 June 17, 2014**

Date: _____
 By: Dr. K. Quist

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/5/2014	

43047538750000 FD 1-18D-2-2rev

Casing Schematic



Well name:	43047538750000 FD 1-18D-2-2rev		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-047-53875
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

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

Burst

Max anticipated surface pressure: 2,200 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 2,500 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: 1.70 (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

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

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

Next setting depth: 10,165 ft
Next mud weight: 9.600 ppg
Next setting BHP: 5,069 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: June 17, 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.

Well name:	43047538750000 FD 1-18D-2-2rev		
Operator:	BILL BARRETT CORP		
String type:	Production	Project ID:	43-047-53875
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 9.600 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,834 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 5,071 psi

No backup mud specified.

Minimum design factors:**Collapse:**

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
Neutral point: 8,691 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 216 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 1,468 ft

Directional well information:

Kick-off point: 2600 ft
Departure at shoe: 160 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

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	10171	5.5	17.00	P-110	LT&C	10168	10171	4.767	66994
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	5071	7480	1.475	5071	10640	2.10	172.9	445	2.57 J

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

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

Date: June 17, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10168 ft, a mud weight of 9.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

FD 1-18D-2-2

NENE, 500' FNL and 660' FEL, Section 18, T2S-R2E, USB&M (surface hole)
 NENE, 660' FNL and 660' 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

Formation	Depth – MD	Depth – TVD
Green River	5,837'	5,835'
Mahogany	7,241'	7,238'
TGR3*	8,088'	8,085'
Douglas Creek	8,272'	8,269'
Black Shale	8,694'	8,691'
Castle Peak	8,956'	8,953'
Uteland Butte	9,240'	9,237'
Wasatch*	9,671'	9,668'
TD	10171'	10168'

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

Base of Useable Water = 5445'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2,500'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)
2,500' – 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 1-18D-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 ³ /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 ³ /sx), calculated hole volume with 75% excess. TOC @ 2000
5 1/2" Production Casing	Lead: 1020 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 2000' Tail: 540 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 8194'

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 6609 psi* and maximum anticipated surface pressure equals approximately 4372 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

Bill Barrett Corporation
Drilling Program
FD 1-18D-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 1-18d-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 ³
Lead Fill:	2,000'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	360
--------------	-----

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

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

Production Hole Data:

Total Depth:	10,171'
Top of Cement:	2,000'
Top of Tail:	8,194'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	2346.8	ft ³
Lead Fill:	6,194'	
Tail Volume:	749.1	ft ³
Tail Fill:	1,977'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	1020
# SK's Tail:	540

FD 1-18d-2-2 REVISED Proposed Cementing Program
--

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (2000' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /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
	Proposed Sacks: 360 sks
Tail Cement - (TD - 2000')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 2,000'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (8194' - 2000')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 2,000'
	Calculated Fill: 6,194'
	Volume: 417.96 bbl
	Proposed Sacks: 1020 sks
Tail Cement - (10171' - 8194')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 8,194'
	Calculated Fill: 1,977'
	Volume: 133.42 bbl
	Proposed Sacks: 540 sks

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

FD 1-18D-2-2

NENE, 500' FNL and 660' FEL, Section 18, T2S-R2E, USB&M (surface hole)

NENE, 660' FNL and 660' 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

Formation	Depth – MD	Depth – TVD
Green River	5,837'	5,835'
Mahogany	7,241'	7,238'
TGR3*	8,088'	8,085'
Douglas Creek	8,272'	8,269'
Black Shale	8,694'	8,691'
Castle Peak	8,956'	8,953'
Uteland Butte	9,240'	9,237'
Wasatch*	9,671'	9,668'
TD	10171'	10168'

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

Base of Useable Water = 5445'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2,500'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)
2,500' – 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 1-18D-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 ³ /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 ³ /sx), calculated hole volume with 75% excess. TOC @ 2000
5 1/2" Production Casing	Lead: 1020 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 2000' Tail: 540 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 8194'

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 6609 psi* and maximum anticipated surface pressure equals approximately 4372 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

Bill Barrett Corporation
Drilling Program
FD 1-18D-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

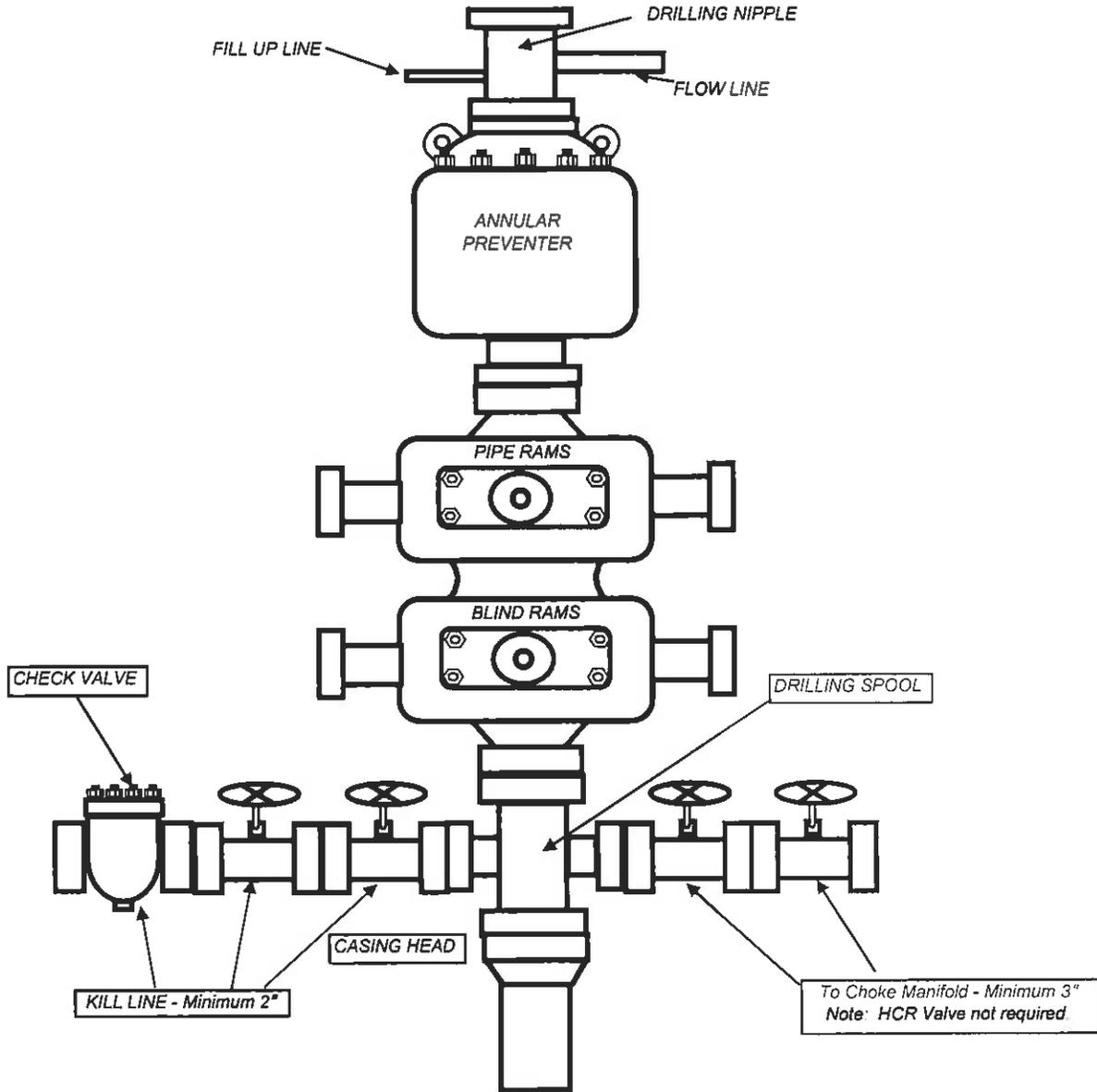
12. Appendix A

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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD 1-18D-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538750000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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: 6/21/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type:
Soilmec SR/30 Spud Date: 6/21/14 Spud Time: 7:30 AM Commence
Drilling approximate start date: 7/15/2014

**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	

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 1-18D-2-2
Qtr/Qtr NE/NE Section 18 Township 2S Range 2E
Lease Serial Number FEE
API Number 43-047-53875

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 8/25/2014 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 8-26-14 7:30 AM PM

Remarks Running 2500' of 9 5/8", 36#, J-55, ST&C csg. PLEASE CALL WITH ANY QUESTIONS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-18D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538750000
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: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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 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: 8/31/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the August 2014 Drilling Activity for this well.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 September 03, 2014**

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 9/3/2014	

**FD 01-18D-2-2 8/23/2014 06:00 - 8/24/2014 06:00**

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 2,490.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	18.00	00:00	1	RIGUP & TEARDOWN	RDMO FD 16-22-6-19, move 7.3 mi to loc. Both locations and road under water.
00:00	2.00	02:00	14	NIPPLE UP B.O.P	NU riser, divertor. Rig on daywork @ midnight.
02:00	2.00	04:00	21	OPEN	clean up spot for pipe racks, rack & strap BHA.
04:00	2.00	06:00	20	DIRECTIONAL WORK	PU BHA, scribe mm & install dir tools.

FD 01-18D-2-2 8/24/2014 06:00 - 8/25/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 2,490.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	20	DIRECTIONAL WORK	PU BHA.
07:00	10.50	17:30	2	DRILL ACTUAL	Steerable drlg 80' - 953'. Wob 20k, spp 1450 psi, dp 300 psi, rpm 50/97, 570 gpm, rop 83 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	3.00	21:00	2	DRILL ACTUAL	Steerable drlg 953' - 1296'. Wob 20k, spp 1850 psi, dp 300 psi, rpm 50/97, 570 gpm, rop 114 fph.
21:00	1.00	22:00	7	LUBRICATE RIG	Rig Service - XO swivel packing.
22:00	8.00	06:00	2	DRILL ACTUAL	Steerable drlg 1296' - 2281'. Wob 20k, spp 2150 psi, dp 300 psi, rpm 50/97, 570 gpm, rop 123 fph.

FD 01-18D-2-2 8/25/2014 06:00 - 8/26/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 2,490.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	2	DRILL ACTUAL	Steerable drlg 2281' -2490'. Wob 22k, spp 2150 psi, dp 300 psi, rpm 50/97, 570 gpm, rop 105 fph.
08:00	0.50	08:30	5	COND MUD & CIRC	Sweep hole, c&c f/ST.
08:30	4.00	12:30	6	TRIPS	ST to 8" DCs.
12:30	1.00	13:30	5	COND MUD & CIRC	Sweep hole, c&c f/csg.
13:30	3.00	16:30	6	TRIPS	Toh.
16:30	1.00	17:30	20	DIRECTIONAL WORK	LD dir tools.
17:30	2.00	19:30	12	RUN CASING & CEMENT	RU to run 9 5/8" surf csg.
19:30	5.50	01:00	12	RUN CASING & CEMENT	Run 9 5/8", 36#, J-55, ST&C csg as follows: FS, 1 jt csg, FC, 57 jts csg, 13 centralizers.
01:00	2.00	03:00	5	COND MUD & CIRC	C&C f/cmt.
03:00	3.00	06:00	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 415 sx (234 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, 110 bbls cmt to surface. Cement fell 6'. Ran 100' 1" pipe down backside.

FD 01-18D-2-2 8/26/2014 06:00 - 8/27/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 2,490.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	-------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Run 100' 1" pipe down backside, top out w/85 sx Halcem @ 15.8 ppg, 1.16 yld, 4.99 gps H2O. Hole stood full. RD HES.
07:00	5.00	12:00	13	WAIT ON CEMENT	Flush stack & flowline. W.O.C.
12:00	1.00	13:00	21	OPEN	Cut off csg, weld on 11" 5M X 9 5/8" SOW wellhed.
13:00	3.00	16:00	14	NIPPLE UP B.O.P	NUBOPE.
16:00	3.50	19:30	15	TEST B.O.P	HSM. Test BOP with B&C Quick Test. Test pipe rams, blind rams, fosv, inside bop, choke line & valves, choke manifold, kill line, inside & outside valve, hcr, manual valve @ 5000 psi high f/10 min, annular @ 1500 psi f/10 min high, csg @ 1500 psi f/30 min - accumulator function test. Notified BLM and UDOGM 8-24-14 @ 13:00 of BOP test.
19:30	0.50	20:00	21	OPEN	Set wear bushing.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
20:00	4.50	00:30	6	TRIPS	PU dir tools, scribe mm, tih. tag cmt @ 2440'.
00:30	1.00	01:30	21	OPEN	Drill cmt & ftt equip. Drill 20' to 2510'.
01:30	0.50	02:00	21	OPEN	Perform F.I.T to 282 f/10.5 ppg EMW.
02:00	4.00	06:00	2	DRILL ACTUAL	Steerable drlg 2510' - 3078'. Wob 22k, spp 2150 psi, dp 300 psi, rpm 50/97, 570 gpm, rop 147 fph.

FD 01-18D-2-2 8/27/2014 06:00 - 8/28/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53875	UT	Uintah	Fort Duchesne	DRILLING	2,490.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drlg 3078' - 4428'. Wob 22k, spp 2150 psi, dp 300 psi, rpm 50/97, 570 gpm, rop 117 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	12.00	06:00	2	DRILL ACTUAL	Steerable drlg 4428' - 5240'. Wob 22k, spp 1750 psi, dp 250 psi, rpm 50/80, 470 gpm, rop 68 fph.

FD 01-18D-2-2 8/28/2014 06:00 - 8/29/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53875	UT	Uintah	Fort Duchesne	DRILLING	2,490.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drlg 5240' - 5797'. Wob 22k, spp 1950 psi, dp 250 psi, rpm 50/80, 470 gpm, rop 48 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service. BOP drill daylight.
18:00	12.00	06:00	2	DRILL ACTUAL	Steerable drlg 5797' - 6104'. Wob 22k, spp 1950 psi, dp 250 psi, rpm 50/80, 470 gpm, rop 26 fph. BOP drill morning tour.

FD 01-18D-2-2 8/29/2014 06:00 - 8/30/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53875	UT	Uintah	Fort Duchesne	DRILLING	2,490.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable drlg 6104' - 6449'. Wob 22k, spp 1950 psi, dp 250 psi, rpm 50/80, 470 gpm, rop 33 fph.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service.
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable drlg 6449' - 6788'. Wob 22k, spp 1950 psi, dp 250 psi, rpm 50/80, 470 gpm, rop 26 fph.

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 1-18D-2-2
Qtr/Qtr NE/NE Section 18 Township 2S Range 2E
Lease Serial Number _____
API Number 43-047-53875

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 9/4/2014 15:00 AM PM

BOPE

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

Date/Time _____ AM PM

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
		8. WELL NAME and NUMBER: FD 1-18D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43047538750000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/6/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THIS WELL HAD FIRST PRODUCTION ON 10/6/14.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 06, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 10/6/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-18D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538750000
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: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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 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: 9/30/2014	<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 September 2014 Drilling Activity for this well.

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

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 10/2/2014	

**FD 01-18D-2-2 9/1/2014 06:00 - 9/2/2014 06:00**

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	6	TRIPS	Tih. W & R 6500' - 6600'.
09:30	8.00	17:30	2	DRILL ACTUAL	Steerable drlg 7698' - 8085'. Wob 20k, spp 2050 psi, dp 300 psi, rpm 45/77, 453 gpm, rop 48 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drlg 8085' - 8712'. Wob 20k, spp 2050 psi, dp 300 psi, rpm 45/77, 453 gpm, rop 55 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 01-18D-2-2 9/2/2014 06:00 - 9/3/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drlg 8712' - 9225'. Wob 20k, spp 2050 psi, dp 300 psi, rpm 45/77, 453 gpm, rop 45 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drlg 9225' - 9571'. Wob 20k, spp 2150 psi, dp 200 psi, rpm 45/77, 453 gpm, rop 30 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 01-18D-2-2 9/3/2014 06:00 - 9/4/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	2	DRILL ACTUAL	Steerable drlg 9571' - 9671'. Wob 20k, spp 2150 psi, dp 200 psi, rpm 45/77, 453 gpm, rop 33 fph. Sent sweep on last kelly.
09:00	1.00	10:00	5	COND MUD & CIRC	C&C f/ST.
10:00	3.00	13:00	6	TRIPS	SHORT TRIP TO 7600' BACK TO BOTTOM
13:00	2.00	15:00	5	COND MUD & CIRC	CIRCULTE BOTTOMS UP
15:00	2.50	17:30	6	TRIPS	TRIP OUT OF THE HOLE FOR LOGS PULL 10 JOINTS FLOW CHECK PUMP SLUG TRIP F/ 9671'-6023'
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	4.50	22:30	6	TRIPS	TRIP OUT OF HOLE FOR LOGS F/ 6023'-100'
22:30	1.00	23:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS AND L/D BIT
23:30	6.50	06:00	11	WIRELINE LOGS	S/M RIG UP AND RUN WIRE LINE LOGS WITH WEATHERFORD TAGGED AT 9660'

FD 01-18D-2-2 9/4/2014 06:00 - 9/5/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	11	WIRELINE LOGS	FINISH WIRE LINE LOGS WITH WEATHERFORD
12:00	1.00	13:00	21	OPEN	R/D DRILLING TOOLS AND R/U CASING RUNNING TOOLS PREP FLOOR LEVEL DERRICK PULL WARE BUSHING
13:00	0.50	13:30	7	LUBRICATE RIG	RIG SERVICE
13:30	8.00	21:30	12	RUN CASING & CEMENT	RUN 5.5 P-110 17# CASING
21:30	3.00	00:30	5	COND MUD & CIRC	CIRCULATE MUD GET YP/PV 10/10 WORK PIPE UP FAST DOWN SLOW FULL RETURNS
00:30	1.50	02:00	13	WAIT ON CEMENT	CONTINUE TO CIRCULATE WAIT ON CEMENT TRUCKS AND CEMENT HANDS
02:00	4.00	06:00	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW R/U AND -TEST LINES @ 5000 PSI, 30 BBLs 10.7 PPG TUNED SPACER, 20 BBLs WATER SPACER 20 BBLs SUPER FLUSH 20 BBLs WATER 319 BBLs 765 SKS 11.0 PPG 2.34 YIELD LEAD CEMENT MIXED @ 10.1 GAL/SK, 218 BBLs 845 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 222 BBLs CLAY-WEB WATER ****REST ON NEXT REPORT****

**FD 01-18D-2-2 9/5/2014 06:00 - 9/5/2014 12:00**

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	12	RUN CASING & CEMENT	FINISH CEMENTING FINAL LIFT PRESURE 1850 PSI 10% RETURNS 150 BBLS INTO DISPALCEMENT NO CEMENT BACK TO SURFACE BUMP PLUG AT 2400 PSI FLOATS HELD. HAD 15-20 BBLS SPACER TO SURFACE
08:00	2.00	10:00	21	OPEN	SET PACK OFF WITH CAMRON. N/D B.O.PS
10:00	2.00	12:00	21	OPEN	CLEAN PITS RELEASE RIG @ 12:00

FD 01-18D-2-2 9/8/2014 06:00 - 9/9/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	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 01-18D-2-2 9/9/2014 06:00 - 9/10/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	MIRU CUTTERS. RIH W/ GR/ JB TO TAG. RUN CBL/GR LOG. LOG TD CORRELATED TO 9500'. DRLG SHOWS FC AT 9560' (HAVE 60' FILL). SJ AT 8631'-8653' AND 8031'-8053'. LOG SHOWS CMT QUALITY-- TD TO 9050' FAIR, 9050'-8400' GOOD, 8400'-7700' FAIR, 7700'-6280' GOOD, 6280'-4700' FAIR WITH RATTY SPOTS, 4700'-3930' GOOD WITH RATTY SPOTS. 3930'-TOC RATTY. TOC AT 3300'. DID NOT LOG WITH PRESSURE. RDMO CUTTERS. WELL SHUT IN AND SECURE. BATTERY UNDER CONSTRUCTION.

FD 01-18D-2-2 9/19/2014 06:00 - 9/20/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	SRIG	Rig Up/Down	Production facilities are almost complete. Guyline anchors are set/tested. Open-top flowback tank, manifold, and choke lines are set/RU. MBT is MI frac tanks. Cost up-date on expenses.

FD 01-18D-2-2 9/25/2014 06:00 - 9/26/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	SRIG	Rig Up/Down	All frac tanks are filled with fresh water. No psi on well. ND 7-1/16 5K night cap. Prep hanger profile. NU Cameron 5-1/8 10K x 7-1/16 5K frac mandrel. NU 5-1/18 10K x 1-13/16 10K frac tree (BBC #3), and 5-1/8 10K goat head (BBC #1). Torque turn all NU bolts. Finish RU choke lines to frac tree. Psi test casing to 6214# for 30 minutes. Final psi @ 6141#. Test was done with surface casing valve open. Bleed to 2500#. Fill flowback lines, manifold, and sand trap. Isolate casing. Test low psi lines to 5 minute 500# low, and 10 minute 2500# high. Psi test all valves on choke manifold individually to 5 minute 500# low, and 10 minute 4000# high. Fixed a few leaks, but tested fine in end. Bleed off. RD Canary. LEL trailer was RU, calibrated, and tested. Bladed ruts, and mud holes out of location.

FD 01-18D-2-2 9/26/2014 06:00 - 9/27/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	SRIG	Rig Up/Down	MI, spot, and pre-load mountain mover. D and M MIRU 3- frac heaters. Heated fluid on location. RDMO. Work tank was MI, and spotted. All completion equipment was grounded.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 1-18D-2-2				
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538750000				
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: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2014	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <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 </td> <td style="width: 33%; vertical-align: top;"> <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 </td> <td style="width: 33%; vertical-align: top;"> <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"/> </td> </tr> </table>		<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"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;"> <p>October 2014 monthly drilling activity report is attached</p> <div style="text-align: right; margin-top: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>November 04, 2014</p> </div> </div>					
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant			
SIGNATURE N/A	DATE 11/4/2014				

**FD 01-18D-2-2 10/1/2014 06:00 - 10/2/2014 06:00**

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Cost up-date. Ready for fracs.

FD 01-18D-2-2 10/2/2014 06:00 - 10/3/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	MIRU 2- D and M Oilfield frac heaters. Heat frac fluid. RDMO. Hauled in road base, to fix entrance of location, and soft areas on location. Aid in getting frac equipment on location, in AM.

FD 01-18D-2-2 10/3/2014 06:00 - 10/4/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	3.00	10:00	SRIG	Rig Up/Down	MIRU CUTTERS WITH 5" 10K LUBE AND EQUIP.
10:00	1.00	11:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 60 PSI. RIH AND CORRELATE TO SJ AT 8031'-8053' & 8631'-8653'. RUN DOWN AND PERF UTELAND BUTTE FORM 9176'-9452' WITH 57 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
11:00	5.00	16:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET. CREW ALSO PERFORMED PUMP MAINTENANCE ON PUMP TRUCKS.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE

FD 01-18D-2-2 10/4/2014 06:00 - 10/5/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.17	06:10	SMTG	Safety Meeting	AOL 04:30. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS.
06:10	1.67	07:50	FRAC	Frac. Job	<p>FRAC STG 1 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 928 PSI AT 6:10 AM BREAK DOWN 3313 PSI AT 9.1 BPM. PMP 3900 GAL 15% HCL ACID W/ 114 BIO BALLS FOR DIVERSION. 10 BPM AT 2990 PSI. FLUSH W/ 9100 GAL. 30 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 70.5 BPM AT 4793 PSI. ISDP 3142 . FG .78. PERFS OPEN 46/57</p> <p>ISIP 3431 , FG .81, MR 72 BPM, AR 70 BPM, MP 5035 PSI, AP 4516 PSI 20/40 WHITE 244,900 lbs 1.0, 2.0, 3.0, and 4.0 ppg SLK WTR 1901 BBL, 20# HYBOR G (16) 2402 BBL, BTR 4408 BBLs.</p> <p>STAGE SCORE 8</p> <p>"SUCKED AIR ON GROWLER ON TAIL END OF 4LB HAD TO CUT STG APPROX 50 SACKS SHORT UNABLE TO SPOT ACID DUE TO STRUGGLING TO KEEP SUCTION ON BLENDER"</p> <p>SHUT IN AND TURN OVER TO CUTTERS</p>



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:50	1.67	09:30	PFRT	Perforating	PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 3000 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8031'-8053' & 8631'-8653'. RUN DOWN AND SET 5-1/2" CBP AT 9155' WITH 2900 PSI. PULL UP AND PERF CASTLE PEAK/BSF FORM 8708'-9127' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1150 PSI. TURN WELL OVER TO HES.
09:30	2.25	11:45	FRAC	Frac. Job	FRAC STG 2 PRESSURE TEST LINES TO 7100 PSI. OPEN WELL W/ 1400 PSI AT 9:40 AM BREAK DOWN 5889 PSI AT 6 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 7 BPM AT 5690 PSI. FLUSH W/ 8700 GAL. 7.6 BPM AT 5504 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 66 BPM AT 5266 PSI. ISDP 3095 . FG .79. PERFS OPEN 32/45 ISIP 3360 , FG .81, MR 70.3 BPM, AR 70.1 BPM, MP 5271 PSI, AP 4903 PSI 20/40 WHITE 253,000 lbs1.0, 2.0, 3.0 & 4.0PPG SLK WTR 1960 BBL, 20# HYBOR G (16) 2424 BBL, BTR 4489 BBLs. STAGE SCORE 10. SHUT IN AND TURN OVER TO CUTTERS.
11:45	1.50	13:15	PFRT	Perforating	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 8031'-8053'. RUN DOWN AND SET 5-1/2" CBP AT 8670' WITH 2950 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8322'-8650' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2900 PSI. TURN WELL OVER TO HES.
13:15	2.00	15:15	FRAC	Frac. Job	FRAC STG 3 PRESSURE TEST LINES TO 7100 PSI. OPEN WELL W/ 2880 PSI AT 13:50 BREAK DOWN 3173 PSI AT 11 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 3124 PSI. FLUSH W/ 8300 GAL. 29.8 BPM AT 3650 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 5156 PSI. ISDP 3292 . FG .82. PERFS OPEN 40/45 ISIP 3354 , FG .81, MR 73.8 BPM, AR 72.8 BPM, MP 5011 PSI, AP 4466 PSI 20/40 WHITE 252,400 lbs 1.0, 2.0,3.0 & 4.0PPG SLK WTR 1479 BBL, 20# HYBOR G (16) 2395 BBL, BTR 3978 BBLs. STAGE SCORE 8. "WAITED 45MINS TO GET ACID ON LOC DUE TO SAND HAULERS TRYING TO GET UNLOADED SO WE WOULD HAVE ENOUGH SAND FOR ZONE 3." SHUT IN AND TURN OVER TO CUTTERS.
15:15	1.25	16:30	PFRT	Perforating	PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 3000 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8031'-8053'. RUN DOWN AND SET 5-1/2" CBP AT 8295' WITH 3000 PSI. PULL UP AND PERF STG 4 TGR3 FORM 8168'-8275' WITH 72 HOLES IN 24' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2980 PSI. TURN WELL OVER TO HES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:30	1.75	18:15	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 3000 PSI AT 16:35 BREAK DOWN 3374 PSI AT 5.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 144 BIO BALLS FOR DIVERSION. 11.8 BPM AT 2330 PSI. FLUSH W/ 8100 GAL. 30 BPM AT 3300 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 4642 PSI. ISDP 2265 . FG .72. PERFS OPEN 40/72 ISIP 2768 , FG .77, MR 75.1 BPM, AR 74.9 BPM, MP 5053 PSI, AP 4023 PSI 20/40 WHITE 253,840 lbs 1.0, 2.0, 3.0, and 4.0 ppg SLK WTR 1479 BBL, 20# HYBOR G (16) 2401 BBL, BTR 3973 BBL. STAGE SCORE 10. HES RIG DOWN CANDY CANES OFF OF WELL HEAD. SHUT IN AND TURN OVER TO CUTTERS
18:15	1.00	19:15	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE PSI. RIH AND CORRELATE TO SHORT JT 8031'-8053'. SET KILL PLUG AT 8120' WITH 2600 PSI. BLEED OFF AS POOH.
19:15	2.00	21:15	SRIG	Rig Up/Down	RDMO CUTTERS AND HES FRAC FLEET
21:15	8.74	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SHUT IN AND SECURE FOR NIGHT.

FD 01-18D-2-2 10/5/2014 06:00 - 10/6/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	3.00	10:00	RMOV	Rig Move	(SWAP OUT RIGS OVER THE WEEKEND. HAD ISSUES GETTING RIG TO LOCATION, HAD ISSUES THRU OUT DAY WITH RIG. STONE WILL NO CHARGE FOR TODAY).
10:00	0.50	10:30	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VAVLES. NU BOP AND HYDRIL.
10:30	2.00	12:30	SRIG	Rig Up/Down	RUSU. RU FLOOR.
12:30	1.50	14:00	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD 308-JTS 2-7/8" L-80 TBG.
14:00	4.00	18:00	RUTB	Run Tubing	MU 4-3/4" BIT, POBS, 1-JT, 2.31 XN NIPPLE. RIH AS MEAS AND PU TBG. RU DRLG EQUIP W/ #255.
18:00	0.50	18:30	PTST	Pressure Test	FILL TBG TO GET CIRC. SHUT IN AND PRES TEST. BLEED OFF TO TIGHTEN CSG VALVES ONTO TBG HEAD. PRES TEST BOP AND LINES TO 2000 PSI. GOOD.
18:30	1.50	20:00	DOPG	Drill Out Plugs	EST CIRC. PUMP 1 BPM. PINCH CHOKE TO 20/64 AND HOLD 900 PSI ON BACKSIDE. CBP #1 AT 8120'. 0' FILL. D/O IN 30 MIN. FCP 1950 PSI ON 14/64" CHOKE. RUN 1-JT. EOT AT 8180'. FLOW CLEAN TO FB TANK. TURN OVER TO PRODUCTION.
20:00	10.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PRODUCTION WITH FB CREW. 1900 FCP ON 16/64" CHOKE.

FD 01-18D-2-2 10/6/2014 06:00 - 10/7/2014 06:00

API 43-047-53875	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,671.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. WELL FLOWING TO TREATER 1550 PSI ON 16/64" CHOKE. NO OIL. VERY LITTLE GAS. OPEN TO FB TANK.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	7.00	14:00	DOPG	Drill Out Plugs	EST CIRC PUMP AT 1 BPM. RET 2 BPM. RIH AS D/O PLUGS. CBP #2 AT 8295'. 25' FILL. D/O IN 10 MIN. FCP 1400 PSI ON 16/64". RIH. CBP #3 AT 8670'. 20' FILL. D/O IN 15 MIN. FCP 1500 PSI ON 16/64". RIH CBP #4 AT 9155'. 20' FILL. D/O IN 15 MIN. FCP 1500 PSI ON 16/64". RIH C/O 20' FILL TO FC AT 9569'. D/O 42' CMT TO PBTD AT 9611' WITH 302-JTS IN. CIRC CLEAN. RD PWR SWIVEL.
14:00	1.00	15:00	PULT	Pull Tubing	POOH AS LD 49-JTS TBG. LUBE IN AND LAND HANGER. TBG DETAIL KB 13.00 HANGER .85 252-JTS 2-7/8" L-80 8012.69 2.31 XN 1.25 1-JT 2-7/8" L-80 31.80 POBS .91 EOT AT 6050.50'.
15:00	2.00	17:00	BOPR	Remove BOP's	RD FLOOR. ND BOP. NU WH. PLUMB IN LINES. POBS AT 3500 PSI. SITP 1650 PSI, SICP 1625 PSI. TURN OVER TO FB CREW AND PRODUCTION. FT 1500 PSI ON 16/64" CHOKE.
17:00	1.00	18:00	SRIG	Rig Up/Down	RDSU. RACK OUT LINES.
18:00		18:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO TREATER.

FD 01-18D-2-2 10/13/2014 06:00 - 10/14/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53875	UT	Uintah	Fort Duchesne	PRODUCING	9,671.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. PUMP 200 BBLS HOT WTR DOWN TBG.
07:00	2.00	09:00	BOPI	Install BOP's	X-O FOR TBG. WAIT FOR WELL TO DIE. ND WH. NU BOP. RU FLOOR.
09:00	2.00	11:00	PULT	Pull Tubing	LD HANGER. POOH W/ TBG. LD POBS.
11:00	2.00	13:00	RUTB	Run Tubing	MU PROD BHA AND RIH W/ TBG. TBG DETAIL KB 13.00 HANGER .85 STRETCH 2.91 248-JTS 2-7/8" L-80 7885.41 5-1/2" 8RD TAC 2.75 3-JTS 2-7/8" L-80 95.37 PSN 1.10 4' TBG SUB 4.15 3-1/2" DESANDER 18.20 5-JTS 2-7/8" L-80 158.95 BULL PLUG .60 TAC AT 7902.17', PSN AT 8000.29', EOT AT 8183.29'
13:00	1.50	14:30	BOPR	Remove BOP's	SET 5-1/2" 8RD TAC. RD FLOOR. ND BOP. LAND HANGER IN 20K TENSION. NU WH. X-O FOR RODS.
14:30	1.00	15:30	HOIL	Hot Oil Well	FLUSH TBG W/ 70 BBLS HOT WTR. PREP RODS.
15:30	2.50	18:00	RURP	Run Rods & Pump	PU AND PRIME PUMP. RIH W/ PMP AS PU 4000' RODS. SDFN
18:00	12.00	06:00	CTRL	Crew Travel	CREW TRAVEL. WELL SECURE FOR NIGHT.

FD 01-18D-2-2 10/14/2014 06:00 - 10/15/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53875	UT	Uintah	Fort Duchesne	PRODUCING	9,671.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	2.50	09:30	RURP	Run Rods & Pump	CONT RIH W/ PMP AS PU RODS. SPACE OUT AND SEAT PUMP. ROD DETAIL 1-1/2" X 30' POLISH ROD 2', 4', 8' X 1" PONY RODS 57) 1" D 4 PER 100) 7/8" D 4 PER 128) 3/4" D 4 PER 32) 1" D 4 PER SHEAR CPLG 25-175-RHBC-20-5-21-24 PUMP
09:30	0.50	10:00	PTST	Pressure Test	TBG STANDING FULL. STROKE TEST PUMP TO 800 PSI. GOOD.
10:00	1.50	11:30	SRIG	Rig Up/Down	HANG HEAD AND RODS ON. RDSU. PWOP. MOVE OFF.
11:30	18.50	06:00	GOP	General Operations	WELL ON PRODUCTION.

Sundry Number: 57483 API Well Number: 43047538750000

BILL BARRETT CORPORATION
 FEE
 FD 1-18D-2-2
 NE¼ NE ¼ SEC 18,T2S, R2E,
 Lease # FEE
 API # 43-047-53875
 Uintah Co. Utah

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

1 - 4" LOAD LINE

Production Phase – sealed closed
 Sales Phase- open to load Production bought

2 – 3" OIL LINES

Production Phase – open
 Sales Phase – sealed close

3 – 4" DRAIN
 Production Phase – sealed closed
 Sales Phase – sealed closed

Drain water – open

4 – 4" UPPER EQUALIZER

Production Phase – open
 Sales Phase – sealed close

5 – BYPASS

6 – 3" WATER LINES

Production Phase – open
 No Sales Phase

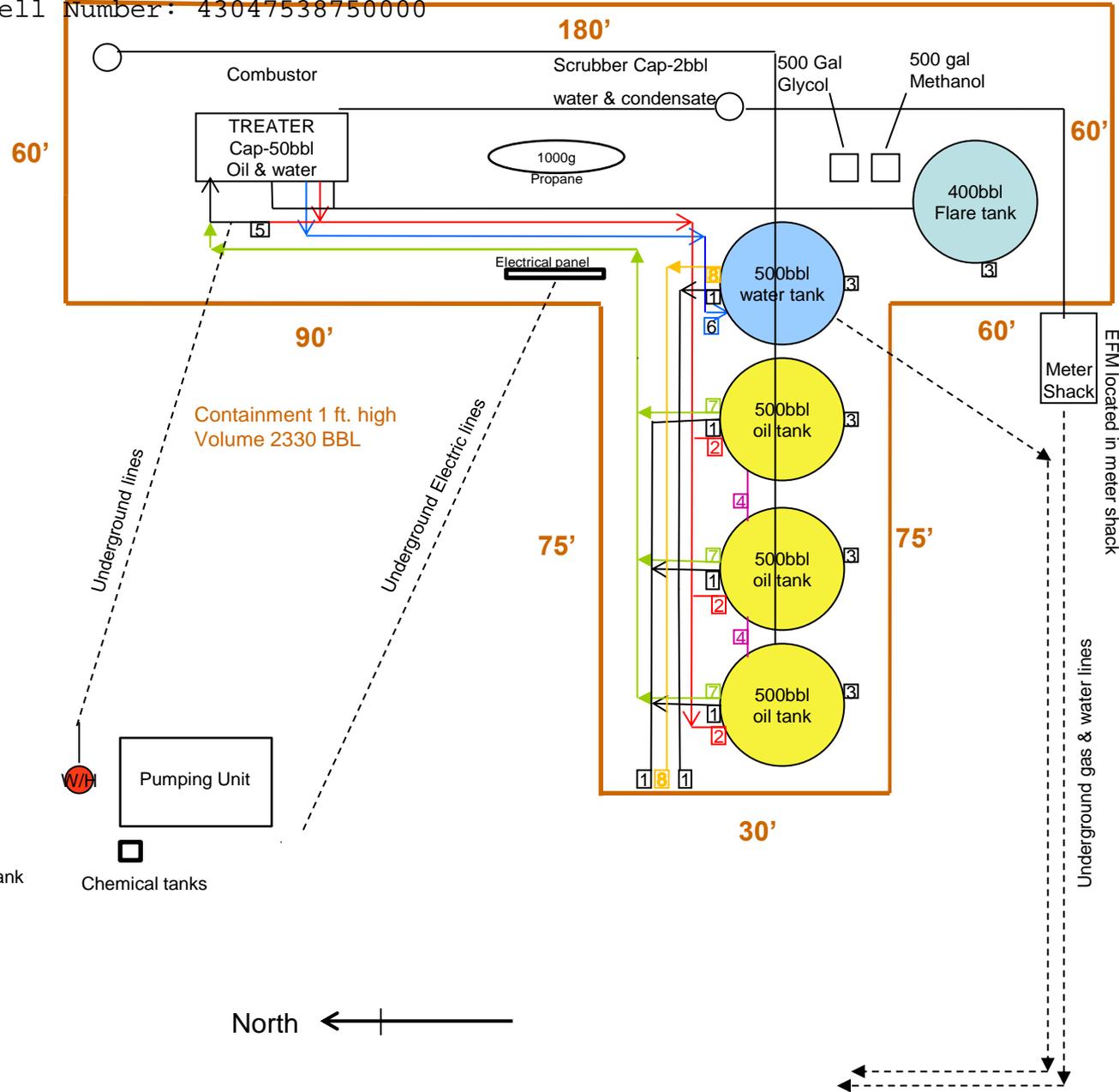
7- 2" RECYCLE

Production – open
 Sales – sealed closed

8- 2" WATER TANK SKIM

Not sealed

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



Chemical tanks

EFM located in meter shack

Underground gas & water lines

Surface Drainage to South in to dry drainage.

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR: Bill Barrett Corporation		8. WELL NAME and NUMBER: FD 1-18D-2-2
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4304753875
PHONE NUMBER: (303) 293-9100		10 FIELD AND POOL, OR WILDCAT Moffat Canal
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 500 FNL 660 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 701 FNL 731 FEL AT TOTAL DEPTH: 709 FNL 720 FEL		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 18 2S 2E U
12. COUNTY Uintah		13. STATE UTAH

14. DATE SPUNNED: 6/21/2014	15. DATE T.D. REACHED: 9/3/2014	16. DATE COMPLETED: 10/6/2014 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5181 GL
18. TOTAL DEPTH: MD 9,671 TVD 9,666	19. PLUG BACK T.D.: MD 9,571 TVD 9,566	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, Gamma Ray, 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
26	17 1/2 Conq	65#	0	80	80				0	
12 1/4	9 5/8 J-55	36#	0	2,490	2,490	Lead	415	234	0	
						Tail	330	78		
8 3/4	5 1/2 P-114	17#	0	9,671	9,660	Tuned	765	319	3290	
						ECON	825	218		

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	8,183							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Green River	8,168	9,452			8,168 9,452	.38	165	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8,168' - 9,452'	Green River: See attached Stage 1-4

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

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 10/6/2014		TEST DATE: 10/16/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 261	GAS - MCF: 33	WATER - BBL: 192	PROD. METHOD: Flowing
CHOKE SIZE: 48/64	TBG. PRESS. 400	CSG. PRESS. 25	API GRAVITY 31.00	BTU - GAS 1	GAS/OIL RATIO 126	24 HR PRODUCTION RATES: →	OIL - BBL: 261	GAS - MCF: 33	WATER - BBL: 192	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	5,728
				Mahogany	6,940
				TGR3	8,172
				Douglas Creek	8,319
				Black Shale Facies	8,798
				Castle Peak	8,899
				Uteland Butte	9,175
				Wasatch	9,642
				TD	9,671

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 10/7/2014, first oil sales 10/10/2014.

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 11/4/2014

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

FD 1-18D-2-2 Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs 20/40 Premium White</u>	<u>gal 15% HCl Acid</u>
1	4408	244,900	4,400
2	4489	253,000	3,900
3	3978	252,400	3,900
4	3973	253,840	3,400

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



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation	Local Co-ordinate Reference: Well FD 1-18D-2-2
Project: Fort Duchesne	FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
Site: SECTION 18 T2S, R2E	FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
Well: FD 1-18D-2-2	True
Wellbore: Wellbore #1	Minimum Curvature
Design: Actual	EDM 5000.1 Single User Db

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

Site: SECTION 18 T2S, R2E	Northing: 11,174,641.40 usft	Latitude: 40° 18' 43.430 N
Site Position:	Easting: 2,111,825.13 usft	Longitude: 109° 48' 40.110 W
From: Lat/Long	Slot Radius: 13-3/16 "	Grid Convergence: 1.03 °
Position Uncertainty: 0.0 usft		

Well: FD 1-18D-2-2, SHL: 40° 18' 54.340 -109° 48' 19.640	Northing: 11,175,775.01 usft	Latitude: 40° 18' 54.340 N
Well Position:	Easting: 2,113,392.09 usft	Longitude: 109° 48' 19.640 W
Position Uncertainty: 0.0 usft	Wellhead Elevation: 5,193.0 usft	Ground Level: 5,180.0 usft

Wellbore: Wellbore #1	Model Name: IGRF2010	Sample Date: 8/19/2014	Decination (°): 10.84	Dip Angle (°): 65.98	Field Strength (nT): 52,140
------------------------------	-----------------------------	-------------------------------	------------------------------	-----------------------------	------------------------------------

Design: Actual	Phase: ACTUAL	Tie On Depth: 0.0
Audit Notes:	Depth From (TVD) (usft): 0.0	Direction (°): 195.98
Version: 1.0	+N/-S (usft): 0.0	+E/-W (usft): 0.0

Survey Program:	Date: 9/11/2014
From (usft): 262.0	To (usft): 9,671.0 Survey #1 (Wellbore #1)
Survey (Wellbore):	Tool Name: MWD
	Description: MWD v3:standard declination



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 18 T2S, R2E
Well: FD 1-18D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well FD 1-18D-2-2
TVD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
262.0	0.75	246.37	262.0	1.1	-0.7	-1.6	0.29	0.29	0.00
324.0	0.66	252.36	324.0	1.5	-1.0	-2.3	0.19	-0.15	9.66
384.0	0.62	241.16	384.0	2.0	-1.2	-2.9	0.22	-0.07	-18.67
445.0	0.70	250.52	445.0	2.4	-1.5	-3.5	0.22	0.13	15.34
475.0	0.66	235.05	475.0	2.7	-1.7	-3.9	0.62	-0.13	-51.57
536.0	0.53	259.17	536.0	3.1	-1.9	-4.4	0.46	-0.21	39.54
566.0	0.35	243.53	566.0	3.2	-2.0	-4.6	0.72	-0.60	-52.13
627.0	0.13	321.93	627.0	3.3	-2.0	-4.8	0.57	-0.36	128.52
687.0	0.40	355.77	687.0	3.0	-1.8	-4.9	0.50	0.45	56.40
747.0	0.53	3.50	747.0	2.6	-1.3	-4.9	0.24	0.22	12.88
808.0	0.44	9.30	808.0	2.1	-0.8	-4.8	0.17	-0.15	9.51
881.0	0.40	339.07	881.0	1.6	-0.2	-4.9	0.30	-0.05	-41.41
966.0	0.35	342.01	966.0	1.1	0.3	-5.1	0.06	-0.06	3.46
1,053.0	0.26	271.79	1,053.0	1.0	0.5	-5.4	0.41	-0.10	-80.71
1,139.0	0.22	256.89	1,139.0	1.1	0.5	-5.7	0.09	-0.05	-17.33
1,224.0	0.40	262.25	1,224.0	1.3	0.4	-6.2	0.21	0.21	6.31
1,309.0	0.26	236.76	1,309.0	1.5	0.3	-6.6	0.23	-0.16	-29.99
1,395.0	0.48	250.65	1,395.0	1.9	0.1	-7.1	0.27	0.26	16.15
1,480.0	0.35	235.93	1,480.0	2.3	-0.2	-7.7	0.20	-0.15	-17.32
1,565.0	0.35	214.39	1,565.0	2.7	-0.6	-8.0	0.15	0.00	-25.34
1,654.0	0.31	214.61	1,654.0	3.2	-1.0	-8.3	0.04	-0.04	0.25
1,738.0	0.31	216.94	1,738.0	3.7	-1.3	-8.6	0.02	0.00	2.77
1,824.0	0.13	212.29	1,824.0	4.0	-1.6	-8.8	0.21	-0.21	-5.41
1,910.0	0.18	261.68	1,910.0	4.1	-1.7	-9.0	0.16	0.06	57.43
1,995.0	0.26	234.39	1,995.0	4.3	-1.9	-9.3	0.15	0.09	-32.11
2,081.0	0.26	200.99	2,080.9	4.7	-2.1	-9.5	0.17	0.00	-38.84



Payzone Directional

End of Well Report



Company: Bill Bairrett Corporation
Project: Fort Duchesne
Site: SECTION 18 T2S, R2E
Well: FD 1-18D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well FD 1-18D-2-2
TVD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,166.0	0.22	194.00	2,165.9	5.0	-2.5	-9.6	0.06	-0.05	-8.22
2,252.0	0.35	197.34	2,251.9	5.5	-2.9	-9.7	0.15	0.15	3.88
2,338.0	0.31	200.68	2,337.9	6.0	-3.4	-9.9	0.05	-0.05	3.88
2,418.0	0.53	188.38	2,417.9	6.5	-3.9	-10.0	0.30	0.27	-15.37
2,539.0	0.49	262.94	2,538.9	7.3	-4.6	-10.6	0.51	-0.03	61.62
2,625.0	0.49	305.02	2,624.9	7.3	-4.4	-11.3	0.41	0.00	48.93
2,712.0	0.40	211.12	2,711.9	7.5	-4.4	-11.7	0.75	-0.10	-107.93
2,800.0	0.80	177.85	2,799.9	8.4	-5.3	-11.9	0.58	0.45	-37.81
2,888.0	2.30	183.53	2,887.9	10.7	-7.7	-11.9	1.71	1.70	6.45
2,976.0	2.52	186.04	2,975.8	14.3	-11.4	-12.3	0.28	0.25	2.85
3,061.0	2.30	190.62	3,060.7	17.8	-14.9	-12.8	0.34	-0.26	5.39
3,147.0	2.21	200.23	3,146.7	21.2	-18.2	-13.7	0.45	-0.10	11.17
3,232.0	2.30	199.61	3,231.6	24.6	-21.3	-14.8	0.11	0.11	-0.73
3,319.0	2.52	183.05	3,318.5	28.2	-24.9	-15.5	0.84	0.25	-19.03
3,404.0	2.92	183.84	3,403.4	32.1	-28.9	-15.7	0.47	0.47	0.93
3,490.0	3.09	184.94	3,489.3	36.5	-33.4	-16.1	0.21	0.20	1.28
3,577.0	2.78	182.21	3,576.2	40.9	-37.8	-16.4	0.39	-0.36	-3.14
3,663.0	2.61	180.05	3,662.1	44.8	-41.9	-16.4	0.23	-0.20	-2.51
3,749.0	2.30	185.25	3,748.0	48.4	-45.5	-16.6	0.44	-0.36	6.05
3,835.0	2.78	191.73	3,833.9	52.1	-49.3	-17.2	0.65	0.56	7.53
3,923.0	2.92	203.14	3,921.8	56.5	-53.5	-18.5	0.66	0.16	12.97
4,014.0	2.92	203.05	4,012.7	61.1	-57.7	-20.3	0.01	0.00	-0.10
4,099.0	2.70	206.14	4,097.6	65.2	-61.5	-22.1	0.31	-0.26	3.64
4,188.0	3.31	215.92	4,186.5	69.7	-65.5	-24.5	0.89	0.69	10.99
4,273.0	3.09	217.73	4,271.4	74.1	-69.3	-27.3	0.28	-0.26	2.13
4,362.0	3.00	211.42	4,360.2	78.6	-73.2	-30.0	0.39	-0.10	-7.09
4,450.0	3.00	212.22	4,448.1	83.0	-77.1	-32.4	0.05	0.00	0.91



Payzone Directional

End of Well Report



Company: Bill Bairrett Corporation
Project: Fort Duchesne
Site: SECTION 18 T2S, R2E
Well: FD 1-18D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well FD 1-18D-2-2
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
North Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

Well: FD 1-18D-2-2
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,535.0	2.52	212.04	4,533.0	86.9	-80.5	-34.6	0.56	-0.56	-0.21
4,623.0	2.61	214.42	4,620.9	90.7	-83.8	-36.8	0.16	0.10	2.70
4,709.0	2.39	217.95	4,706.9	94.2	-86.9	-39.0	0.31	-0.26	4.10
4,794.0	2.39	210.85	4,791.8	97.6	-89.8	-41.0	0.35	0.00	-8.35
4,880.0	2.52	199.13	4,877.7	101.2	-93.1	-42.5	0.60	0.15	-13.63
4,965.0	3.00	193.31	4,962.6	105.3	-97.0	-43.6	0.65	0.56	-6.85
5,053.0	2.78	197.41	5,050.5	109.7	-101.3	-44.8	0.34	-0.25	4.66
5,139.0	2.61	196.13	5,136.4	113.8	-105.2	-46.0	0.21	-0.20	-1.49
5,224.0	3.40	204.11	5,221.3	118.2	-109.3	-47.5	1.05	0.93	9.39
5,309.0	3.40	204.64	5,306.1	123.2	-113.9	-49.6	0.04	0.00	0.62
5,395.0	2.78	197.54	5,392.0	127.8	-118.2	-51.3	0.85	-0.72	-8.26
5,480.0	2.21	187.72	5,476.9	131.5	-121.8	-52.2	0.84	-0.67	-11.55
5,565.0	2.30	195.65	5,561.9	134.8	-125.1	-52.8	0.38	0.11	9.33
5,653.0	2.30	193.14	5,649.8	138.3	-128.5	-53.7	0.11	0.00	-2.85
5,739.0	1.41	159.12	5,735.7	140.9	-131.2	-53.7	1.60	-1.03	-39.56
5,825.0	1.50	174.14	5,821.7	142.8	-133.3	-53.2	0.45	0.10	17.47
5,916.0	2.12	183.22	5,912.7	145.5	-136.2	-53.2	0.75	0.68	9.98
6,002.0	1.90	163.83	5,998.6	148.3	-139.1	-52.9	0.83	-0.26	-22.55
6,088.0	3.38	182.74	6,084.5	152.0	-143.0	-52.6	1.97	1.72	21.99
6,173.0	3.40	184.72	6,169.4	156.9	-148.0	-53.0	0.14	0.02	2.33
6,259.0	2.92	164.14	6,255.2	161.2	-152.7	-52.6	1.42	-0.56	-23.93
6,344.0	2.78	144.05	6,340.1	164.4	-156.4	-50.8	1.18	-0.16	-23.64
6,429.0	3.00	162.33	6,425.0	167.5	-160.2	-48.9	1.11	0.26	21.51
6,515.0	1.99	150.52	6,511.0	170.4	-163.7	-47.5	1.31	-1.17	-13.73
6,600.0	2.52	201.51	6,595.9	173.3	-166.7	-47.4	2.35	0.62	59.99
6,686.0	1.10	169.43	6,681.9	175.9	-169.3	-48.0	1.97	-1.65	-37.30
6,771.0	1.50	220.33	6,766.8	177.7	-170.9	-48.5	1.38	0.47	59.88



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 18 T2S, R2E
Well: FD 1-18D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well FD 1-18D-2-2
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
North Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,860.0	2.21	217.24	6,855.8	180.3	-173.2	-50.3	0.81	0.80	-3.47
6,946.0	2.12	213.94	6,941.7	183.4	-175.8	-52.2	0.18	-0.10	-3.84
7,033.0	2.52	227.02	7,028.7	186.5	-178.4	-54.5	0.76	0.46	15.03
7,118.0	2.70	226.85	7,113.6	189.9	-181.1	-57.3	0.21	0.21	-0.20
7,203.0	2.21	216.85	7,198.5	193.1	-183.8	-59.8	0.76	-0.58	-11.76
7,290.0	2.30	207.94	7,285.4	196.4	-186.6	-61.6	0.42	0.10	-10.24
7,376.0	2.30	209.09	7,371.4	199.8	-189.7	-63.3	0.05	0.00	1.34
7,463.0	0.40	172.71	7,458.3	201.7	-191.5	-64.1	2.29	-2.18	-41.82
7,548.0	0.62	128.05	7,543.3	202.2	-192.1	-63.7	0.51	0.26	-52.54
7,635.0	0.71	120.82	7,630.3	202.5	-192.6	-62.8	0.14	0.10	-8.31
7,711.0	1.10	227.82	7,706.3	203.2	-193.4	-63.0	1.94	0.51	140.79
7,799.0	1.28	227.11	7,794.3	204.8	-194.6	-64.3	0.21	0.20	-0.81
7,884.0	1.10	218.92	7,879.3	206.4	-195.9	-65.5	0.29	-0.21	-9.64
7,970.0	1.81	232.71	7,965.2	208.2	-197.4	-67.1	0.91	0.83	16.03
8,058.0	1.99	231.65	8,053.2	210.6	-199.2	-69.4	0.21	0.20	-1.20
8,143.0	1.50	221.12	8,138.2	212.8	-200.9	-71.3	0.69	-0.58	-12.39
8,228.0	0.80	219.84	8,223.1	214.3	-202.2	-72.4	0.82	-0.82	-1.51
8,313.0	0.22	218.34	8,308.1	215.0	-202.8	-72.9	0.68	-0.68	-1.76
8,401.0	0.71	158.32	8,396.1	215.6	-203.4	-72.8	0.72	0.56	-68.20
8,487.0	0.49	154.62	8,482.1	216.3	-204.2	-72.5	0.26	-0.26	-4.30
8,575.0	0.62	119.72	8,570.1	216.7	-204.8	-71.9	0.40	0.15	-39.66
8,659.0	0.62	98.92	8,654.1	216.8	-205.1	-71.0	0.27	0.00	-24.76
8,745.0	0.71	91.91	8,740.1	216.6	-205.2	-70.0	0.14	0.10	-8.15
8,831.0	0.62	94.51	8,826.1	216.3	-205.3	-69.1	0.11	-0.10	3.02
8,917.0	0.62	92.05	8,912.1	216.1	-205.3	-68.1	0.03	0.00	-2.86
9,001.0	0.80	107.82	8,996.1	216.0	-205.5	-67.1	0.31	0.21	18.77
9,087.0	0.88	90.72	9,082.1	215.9	-205.7	-65.9	0.30	0.09	-19.88



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 18 T2S, R2E
Well: FD 1-18D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well FD 1-18D-2-2
TVD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
MD Reference: FD 1-18D-2-2 @ 5193.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
9,172.0	0.88	104.52	9,167.1	215.7	-205.9	-64.6	0.25	0.00	16.24
9,259.0	0.71	99.01	9,254.1	215.6	-206.1	-63.4	0.21	-0.20	-6.33
9,344.0	0.62	123.64	9,339.1	215.7	-206.5	-62.5	0.35	-0.11	28.98
9,429.0	0.80	118.22	9,424.1	216.0	-207.0	-61.6	0.23	0.21	-6.38
9,518.0	0.62	133.25	9,513.0	216.3	-207.6	-60.7	0.29	-0.20	16.89
9,603.0	0.62	154.31	9,598.0	216.9	-208.4	-60.2	0.27	0.00	24.78
9,618.0	0.62	155.02	9,613.0	217.0	-208.5	-60.1	0.05	0.00	4.73
9,671.0	0.62	155.02	9,666.0	217.4	-209.0	-59.9	0.00	0.00	0.00

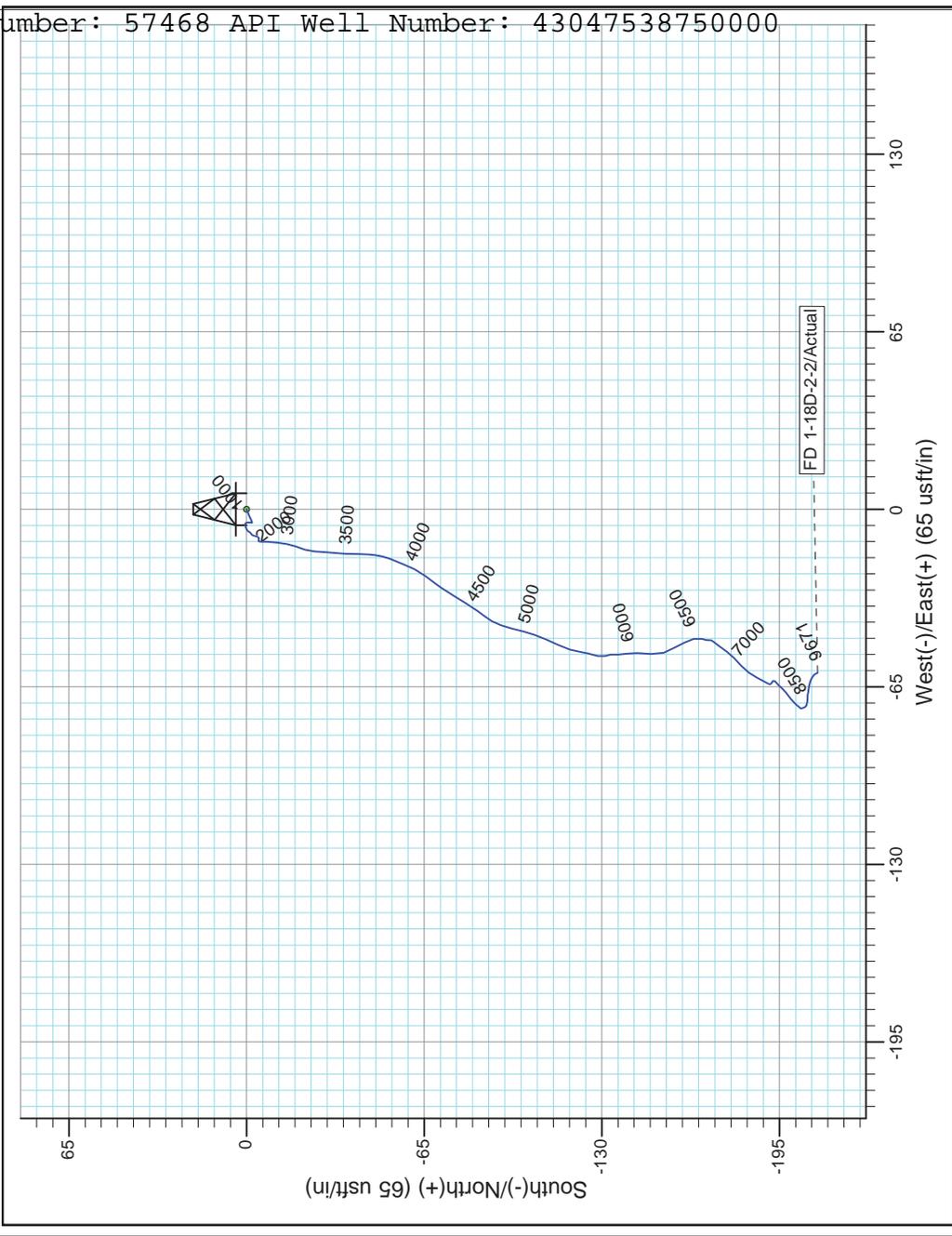
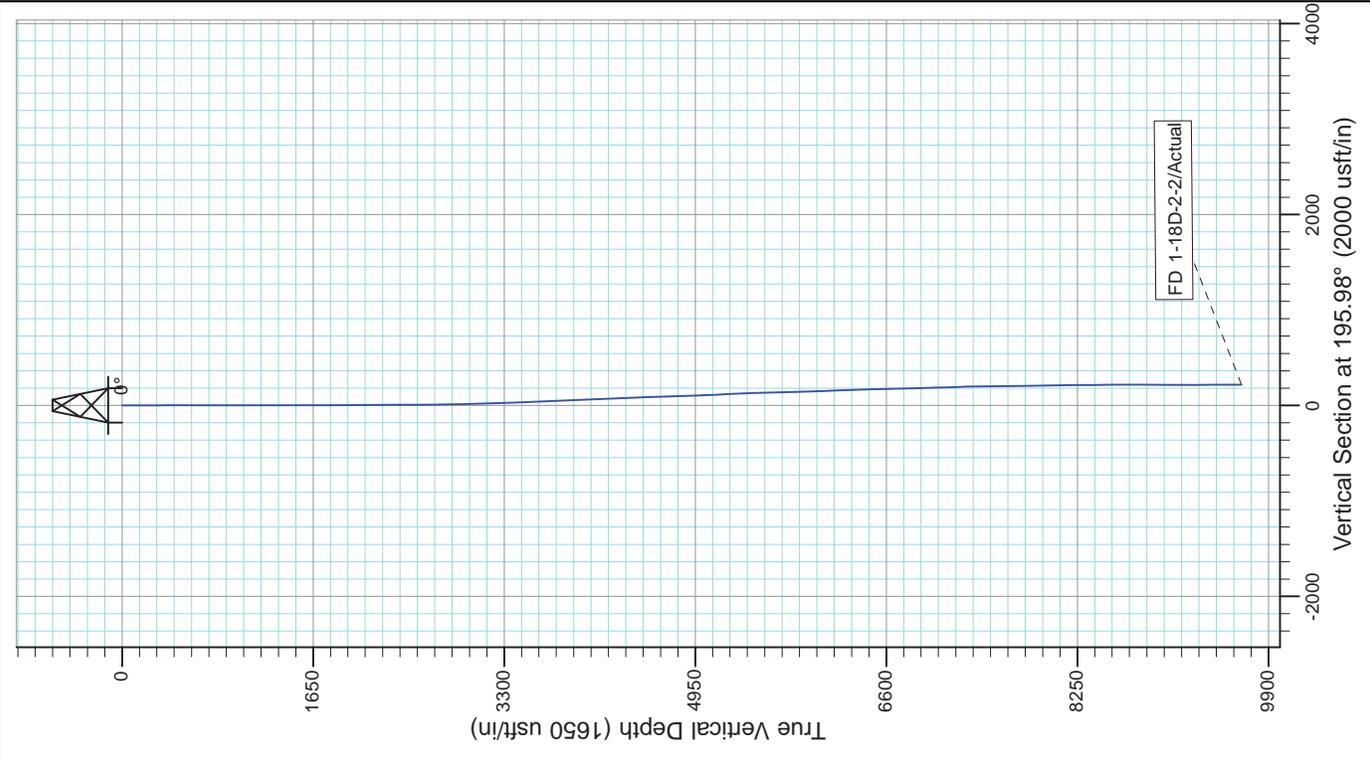
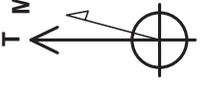
Checked By: _____ Approved By: _____ Date: _____

RECEIVED: Nov. 05, 2014



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

Surf Station: 57468
 Well Number: 43047538750000
 Azimuths to True North
 Magnetic North: 10.84°
 Magnetic Field
 Strength: 52140.2sn
 Dip Angle: 65.98°
 Date: 8/19/2014
 Model: IGRF2010



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

Created By: *Matthew Linton*

Date:

14:54, September 11 2014

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		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 1-18D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43047538750000
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: 0500 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/5/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input 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 1/6/2015 AND INTERIM RECLAMATION ON THIS PAD WAS DONE ON 3/5/2015		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 02, 2015		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 10/13/2015