

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 5-17D-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) <small>fee</small>			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>								
13. NAME OF SURFACE OWNER (if box 12 = 'fee') GLENN AND SHIRLEY HUBER						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-247-2336								
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 154, LAPOINT, UT 84039						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')								
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input 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		1550 FNL 500 FWL		SWNW		17		2.0 S		2.0 E		U		
Top of Uppermost Producing Zone		1980 FNL 660 FWL		SWNW		17		2.0 S		2.0 E		U		
At Total Depth		1980 FNL 660 FWL		SWNW		17		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) 3620			26. PROPOSED DEPTH MD: 12681 TVD: 12656								
27. ELEVATION - GROUND LEVEL 5171			28. BOND NUMBER LPM4138148			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	9.4	Halliburton Light , Type Unknown			400	3.16	11.0		
							Halliburton Premium , Type Unknown			230	1.36	14.8		
I1	8.75	7	0 - 8743	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	8543 - 12681	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 06/17/2013				EMAIL briley@billbarrettcorp.com						
API NUMBER ASSIGNED 43047538720000				APPROVAL				 Permit Manager						

BILL BARRETT CORPORATION
DRILLING PLAN

FD 5-17D-2-2

SWNW, 1550' FNL and 500' FWL, Section 17, T2S-R2E, USB&M (surface hole)

SWNW, 1980' FNL and 660' FWL, Section 17, 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	5,839'	5,820'
Mahogany	7,171'	7,146'
TGR3*	8,077'	8,052'
Douglas Creek	8,259'	8,234'
Black Shale	8,693'	8,668'
Castle Peak	8,950'	8,925'
Uteland Butte	9,201'	9,176'
Wasatch*	9,681'	9,656'
TD	12,681'	12,656'

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

Base of Useable Water = 5683'

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	8743'	7"	26#	P110	LTC	New
6 1/8"	8543'	TD	4 1/2" Liner	13.5#	P110	LTC	New

Bill Barrett Corporation
 Drilling Program
 FD 5-17D-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), 4138' 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' – 8743'	9.4 – 10.0	42-58	25 cc or less	LSND Fluid System
8743' – 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 botto hole pressure equals approximately 8226 psi* and maximum anticipated surface pressure equals approximately 5442 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 5-17D-2-2
Uintah County, Utah

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

Water for the drilling and completion will be from:

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

11. Drilling Schedule

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

12. Appendix A

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

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



Cement Volume Calculations for the: FD 5-17D-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) =	8,743'	Lead Fill =	4743 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) = **12,681'**
TOL (MD) = **8,543'**
Hole Diameter = **6.125"**
Liner OD = **4.500"**
Open Hole Excess = **50%**
Casing Excess = **50%**

Calculated Data:

Lead Fill = **4138** ft
Lead Volume = **70.0** 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.

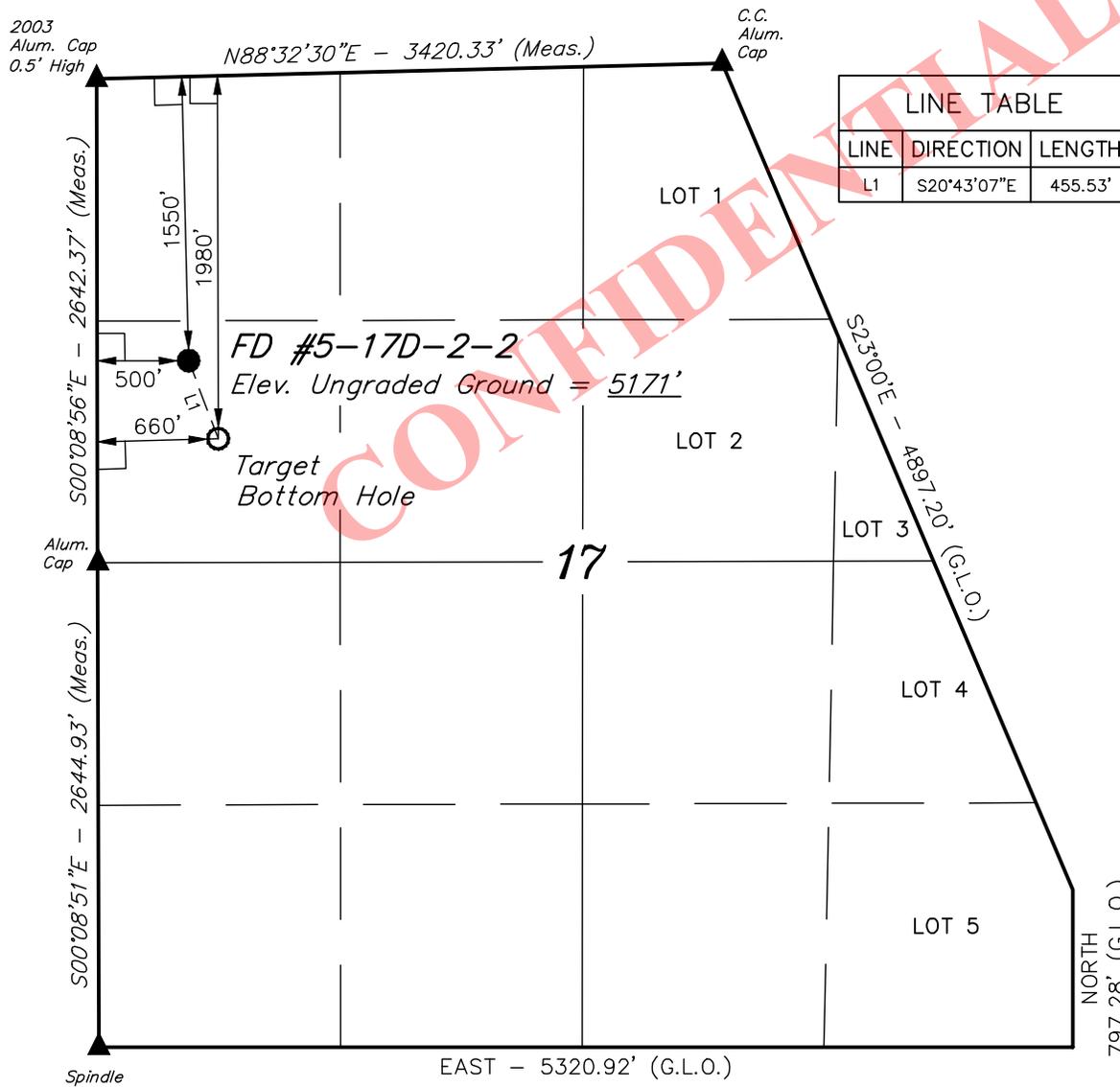
A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

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

BILL BARRETT CORPORATION

Well location, FD #5-17D-2-2, located as shown in the SW 1/4 NW 1/4 of Section 17, T2S, R2E, U.S.B.&M., Uintah County, Utah.



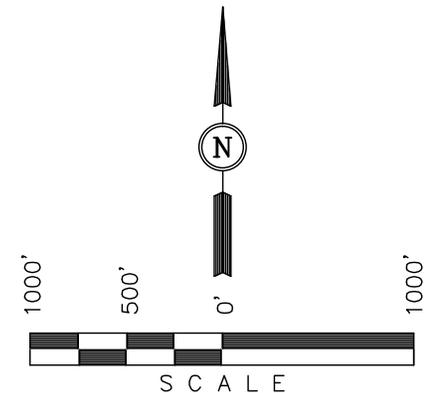
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S20°43'07"E	455.53'

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.

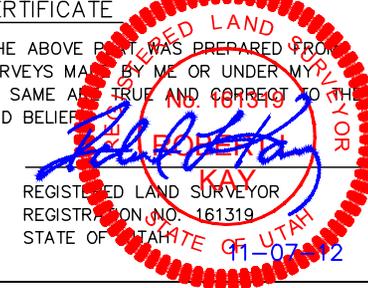
BASIS OF BEARINGS

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



CERTIFICATE

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



LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°18'39.90" (40.311083)	LONGITUDE = 109°48'02.54" (109.800706)	LATITUDE = 40°18'44.11" (40.312253)	LONGITUDE = 109°48'04.62" (109.801283)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°18'40.04" (40.311122)	LONGITUDE = 109°48'00.02" (109.800006)	LATITUDE = 40°18'44.25" (40.312292)	LONGITUDE = 109°48'02.10" (109.800583)

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-25-12	DATE DRAWN: 10-29-12
PARTY N.F. M.M. A.T.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

RECEIVED: June 17, 2013

BILL BARRETT CORPORATION

FD #5-17D-2-2

LOCATED IN UINTAH COUNTY, UTAH
SECTION 17, T2S, R2E, U.S.B.&M.

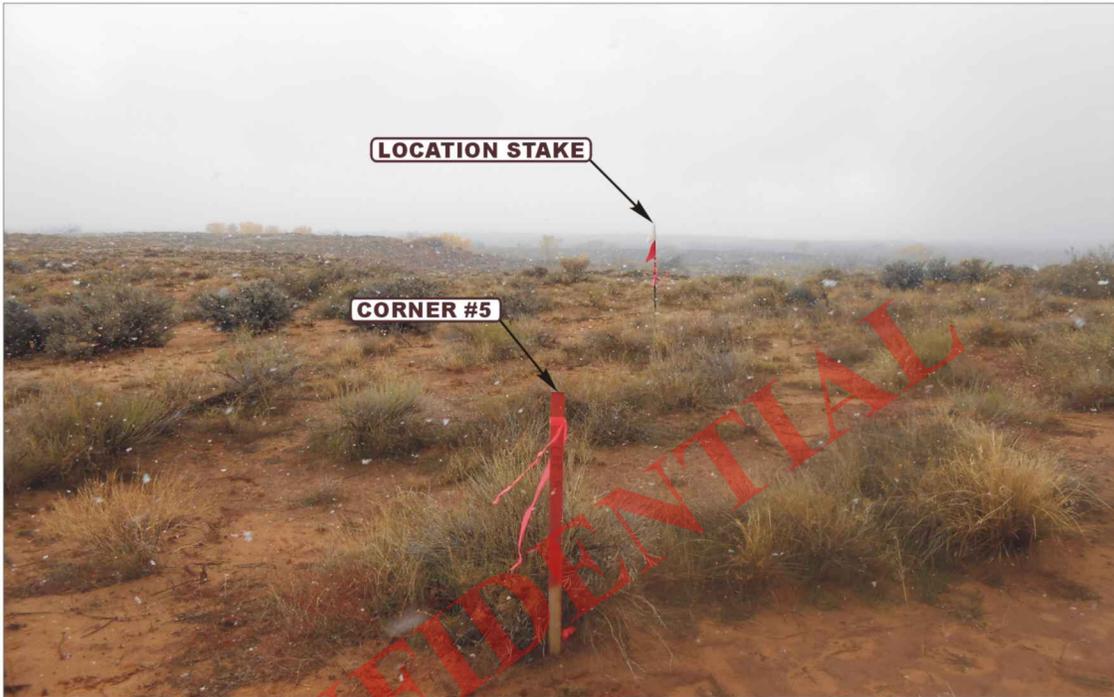


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

LOCATION PHOTOS	10	29	12	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: N.E.	DRAWN BY: A.T.		REVISED: 00-00-00	

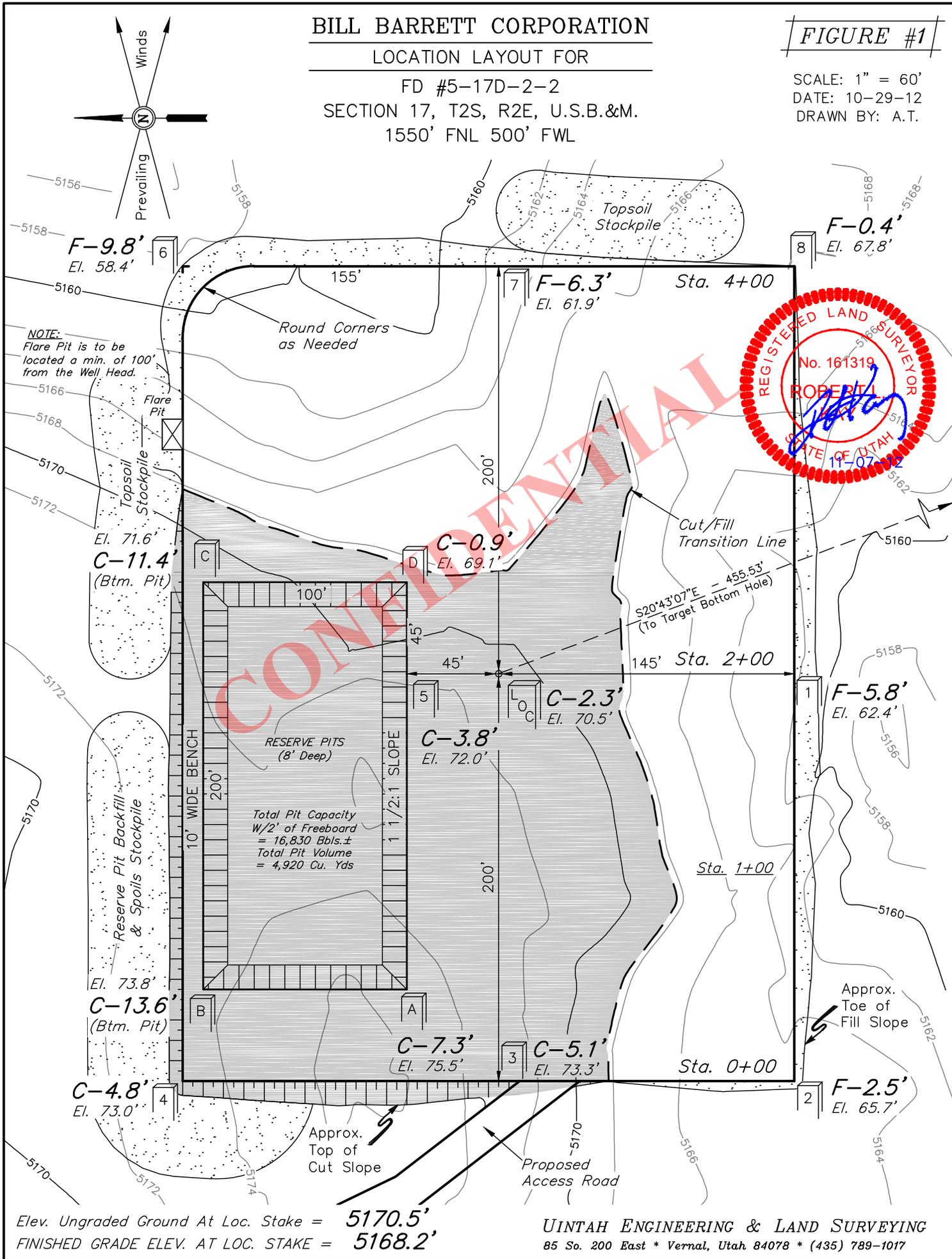
BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

FD #5-17D-2-2
SECTION 17, T2S, R2E, U.S.B.&M.
1550' FNL 500' FWL

FIGURE #1

SCALE: 1" = 60'
DATE: 10-29-12
DRAWN BY: A.T.



Elev. Ungraded Ground At Loc. Stake = 5170.5'
FINISHED GRADE ELEV. AT LOC. STAKE = 5168.2'

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

RECEIVED: June 17, 2013

BILL BARRETT CORPORATION

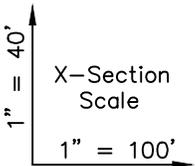
TYPICAL CROSS SECTIONS FOR

FD #5-17D-2-2

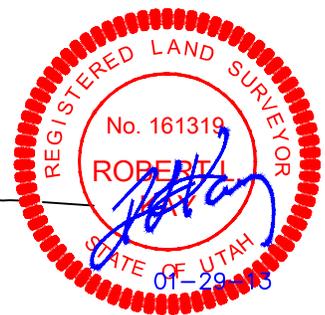
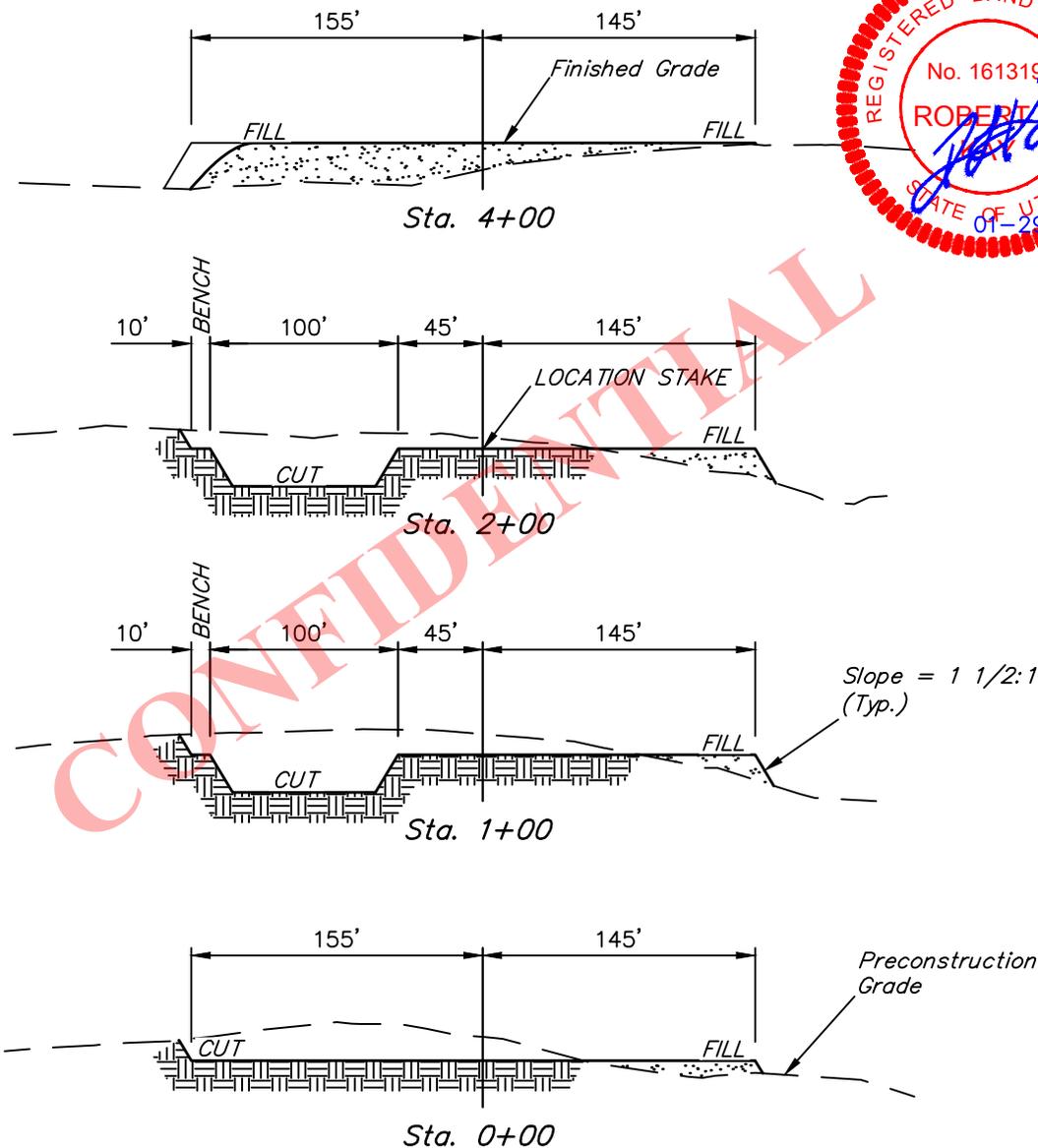
SECTION 17, T2S, R2E, U.S.B.&M.

1550' FNL 500' FWL

FIGURE #2



DATE: 10-29-12
DRAWN BY: A.T.
REV: 01-29-13 R.L.L.



CONFIDENTIAL

NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 3.616 ACRES
ACCESS ROAD DISTURBANCE	= ± 1.614 ACRES
PIPELINE DISTURBANCE	= ± 1.593 ACRES
TOTAL	= ± 6.823 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 2,410 Cu. Yds.
Remaining Location	= 12,260 Cu. Yds.
TOTAL CUT	= 14,670 CU. YDS.
FILL	= 9,800 CU. YDS.

EXCESS MATERIAL	= 4,870 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,870 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

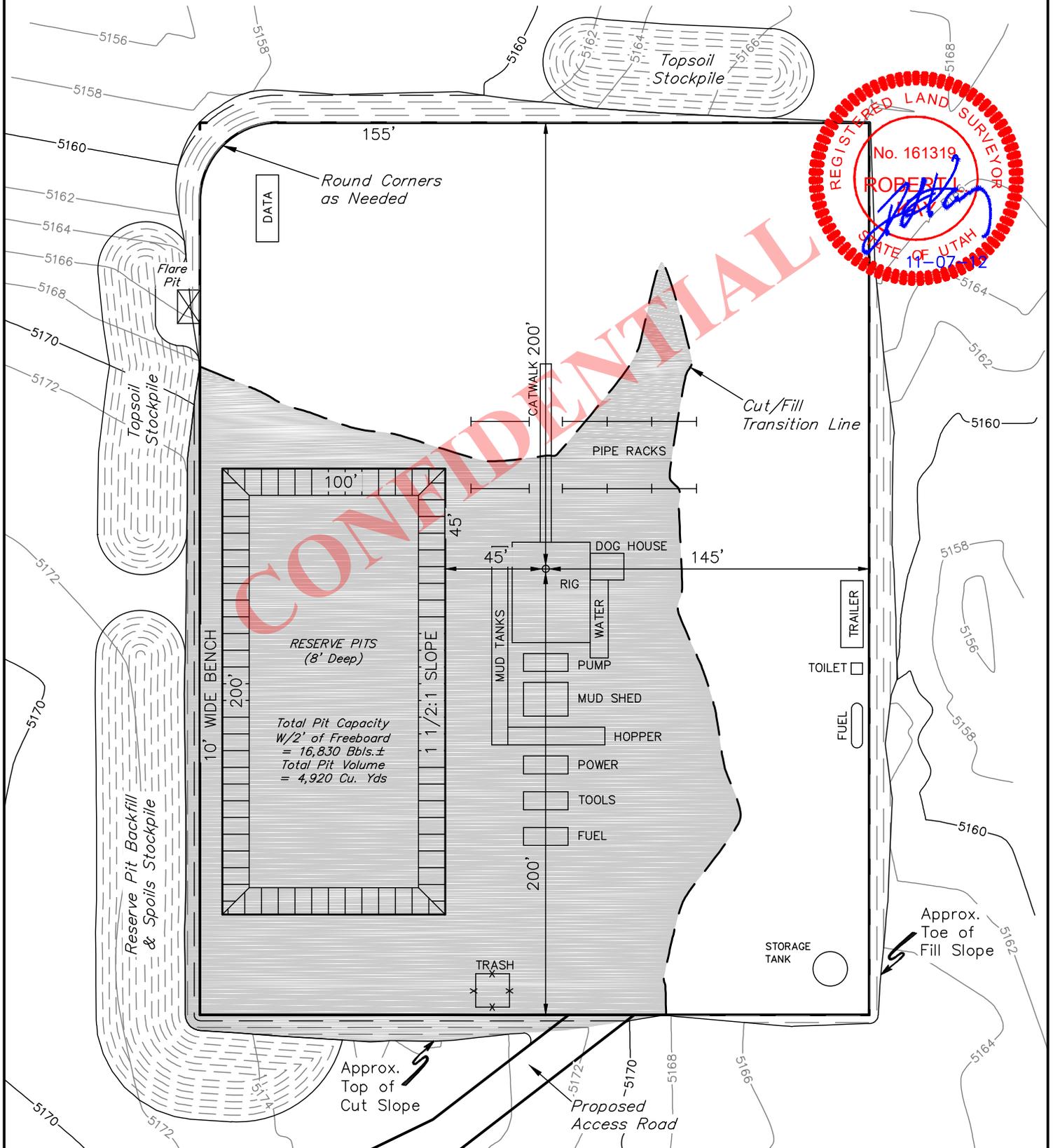
BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

FD #5-17D-2-2
SECTION 17, T2S, R2E, U.S.B.&M.
1550' FNL 500' FWL

FIGURE #3

SCALE: 1" = 60'
DATE: 10-29-12
DRAWN BY: A.T.

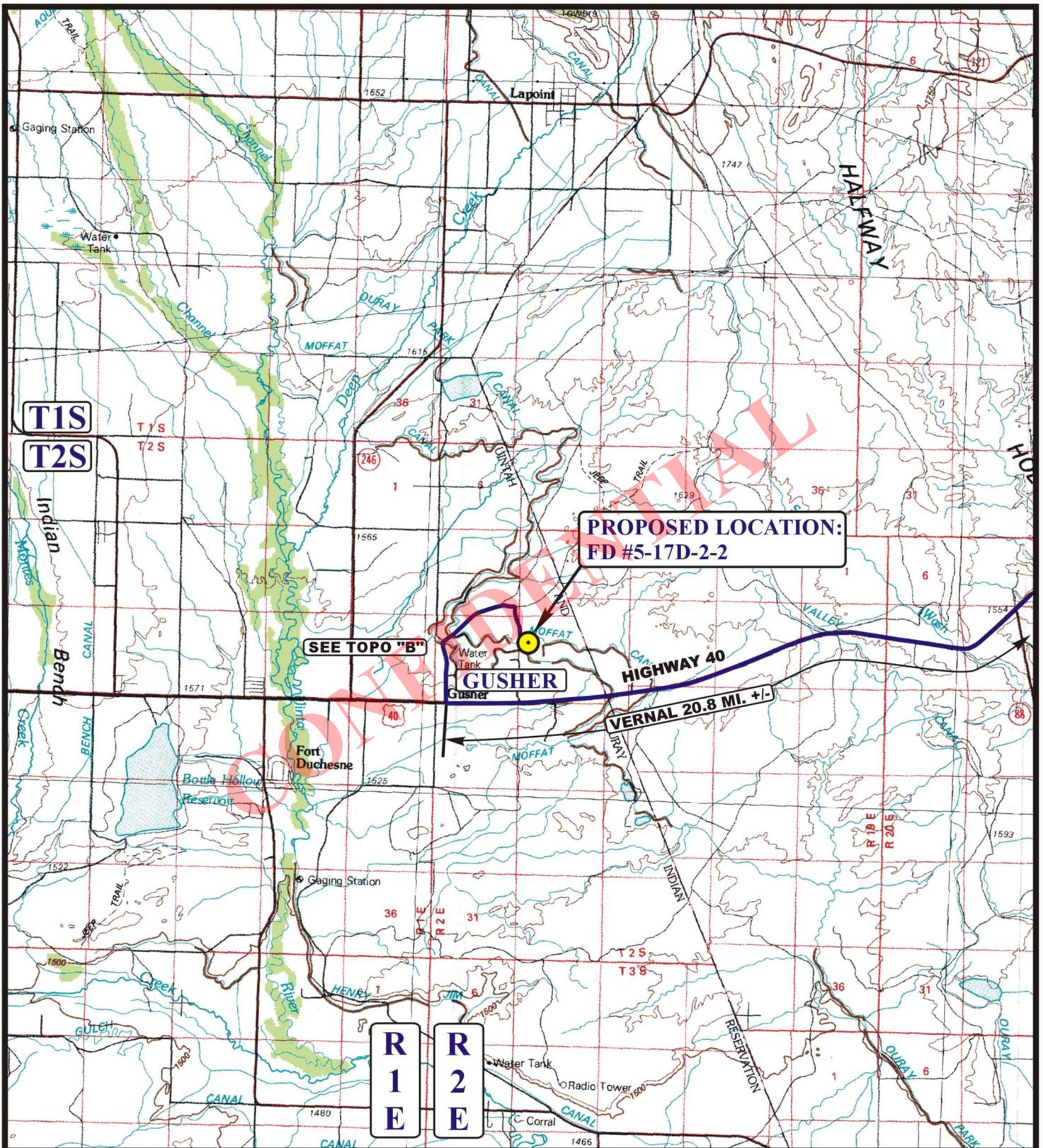


BILL BARRETT CORPORATION
FD #5-17D-2-2
SECTION 17, T2S, R2E, U.S.B.&M.

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 DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD FOR THE FD #11-4-6-19; CONTINUE IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2,413' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2,384' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 23.0 MILES.

CONFIDENTIAL



**PROPOSED LOCATION:
FD #5-17D-2**

SEE TOPO "B"

GUSHER

HIGHWAY 40

VERNAL 20.8 MI. +/-

**R
1
E**

**R
2
E**

LEGEND:

PROPOSED LOCATION



BILL BARRETT CORPORATION

**FD #5-17D-2
SECTION 17, T2S, R2E, U.S.B.&M.
1550' FNL 500' FWL**



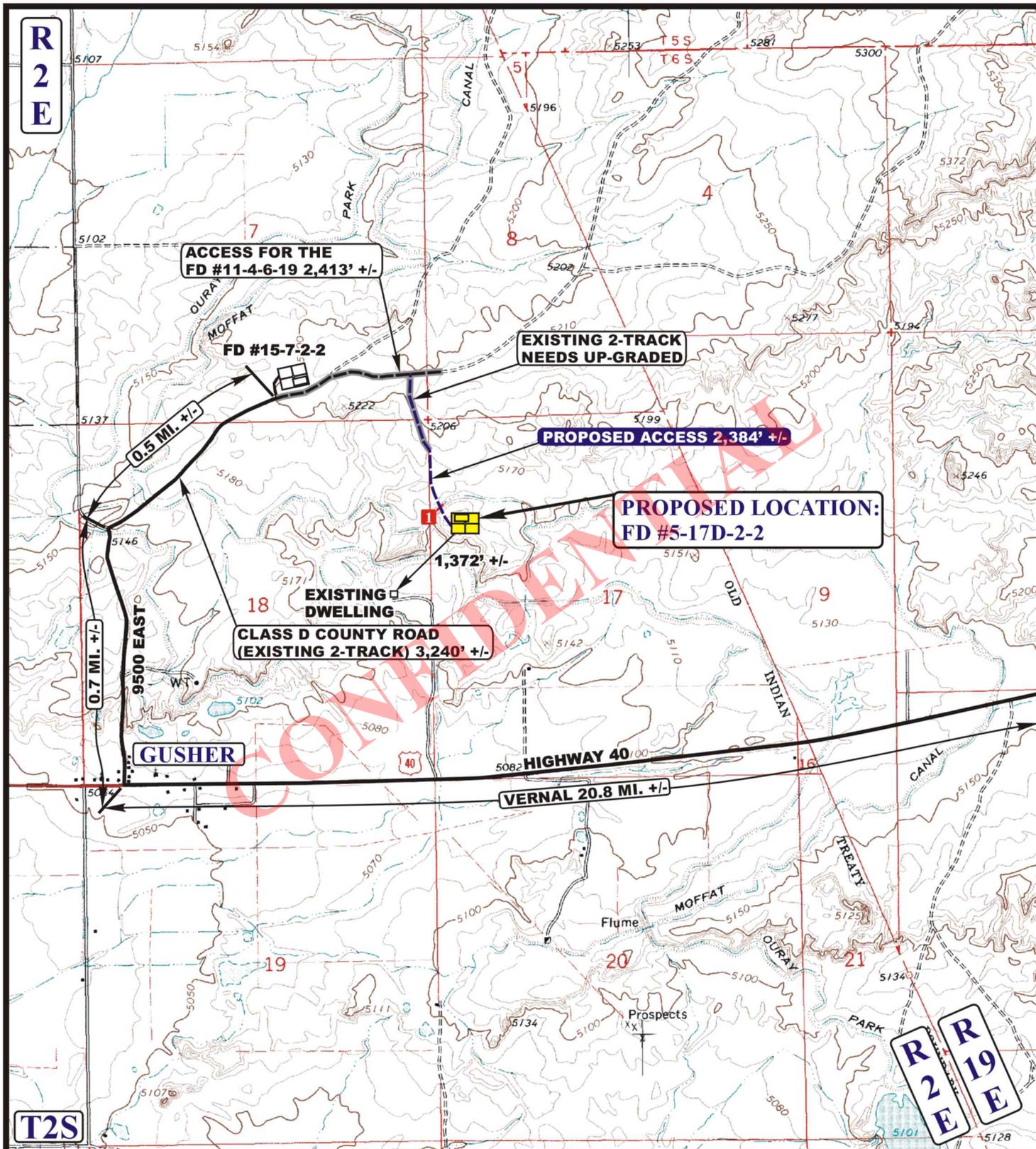
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**ACCESS ROAD
MAP**

10 29 12
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: A.T. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UP-GRADED
- 36" CMP REQUIRED



BILL BARRETT CORPORATION

FD #5-17D-2-2
SECTION 17, T2S, R2E, U.S.B.&M.
1550' FNL 500' FWL



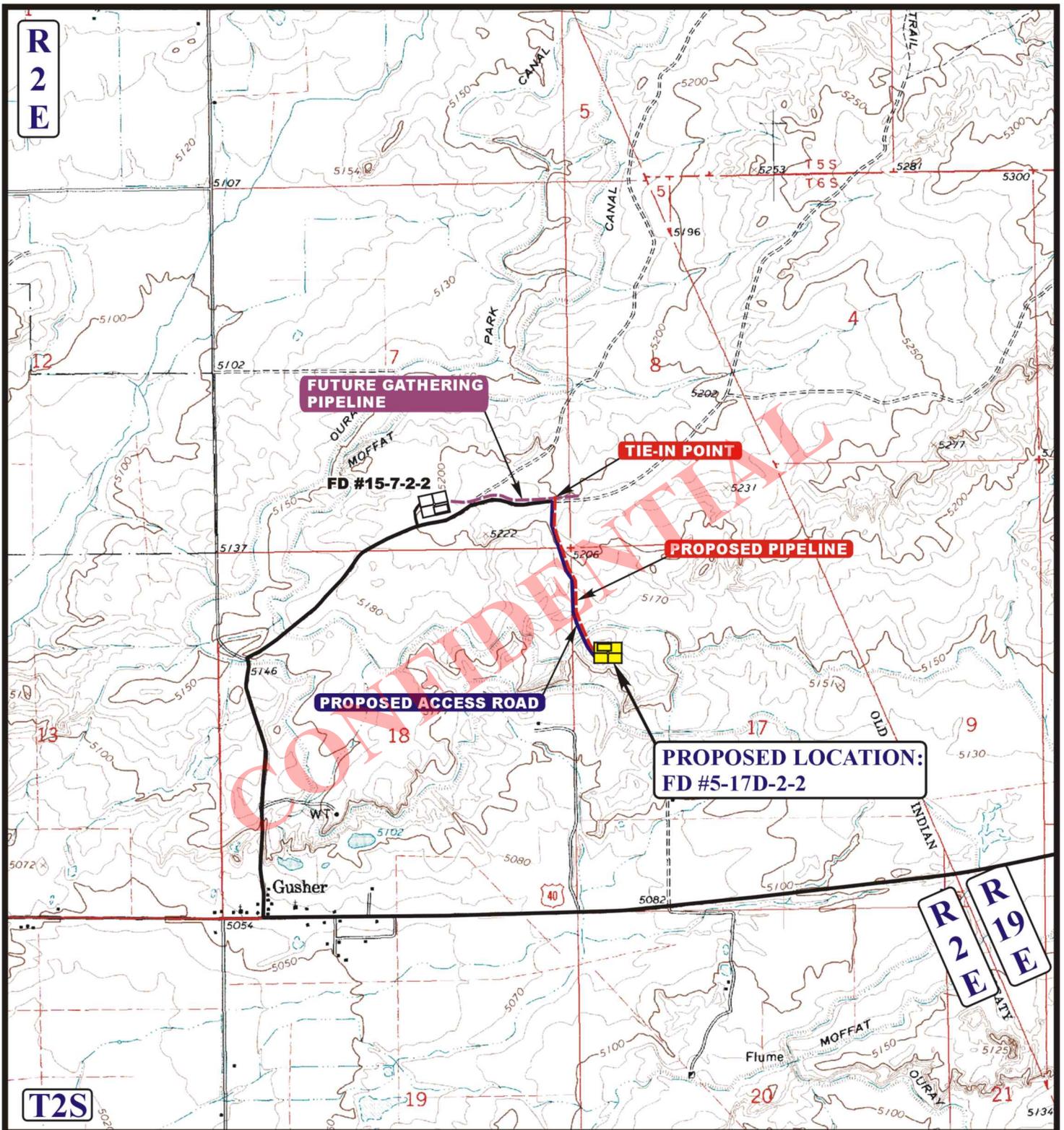
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

10 29 12
 MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: A.T. REVISED: 01-29-13



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,363' +/-

LEGEND:

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



BILL BARRETT CORPORATION

FD #5-17D-2-2
SECTION 17, T2S, R2E, U.S.B.&M.
1550' FNL 500' FWL



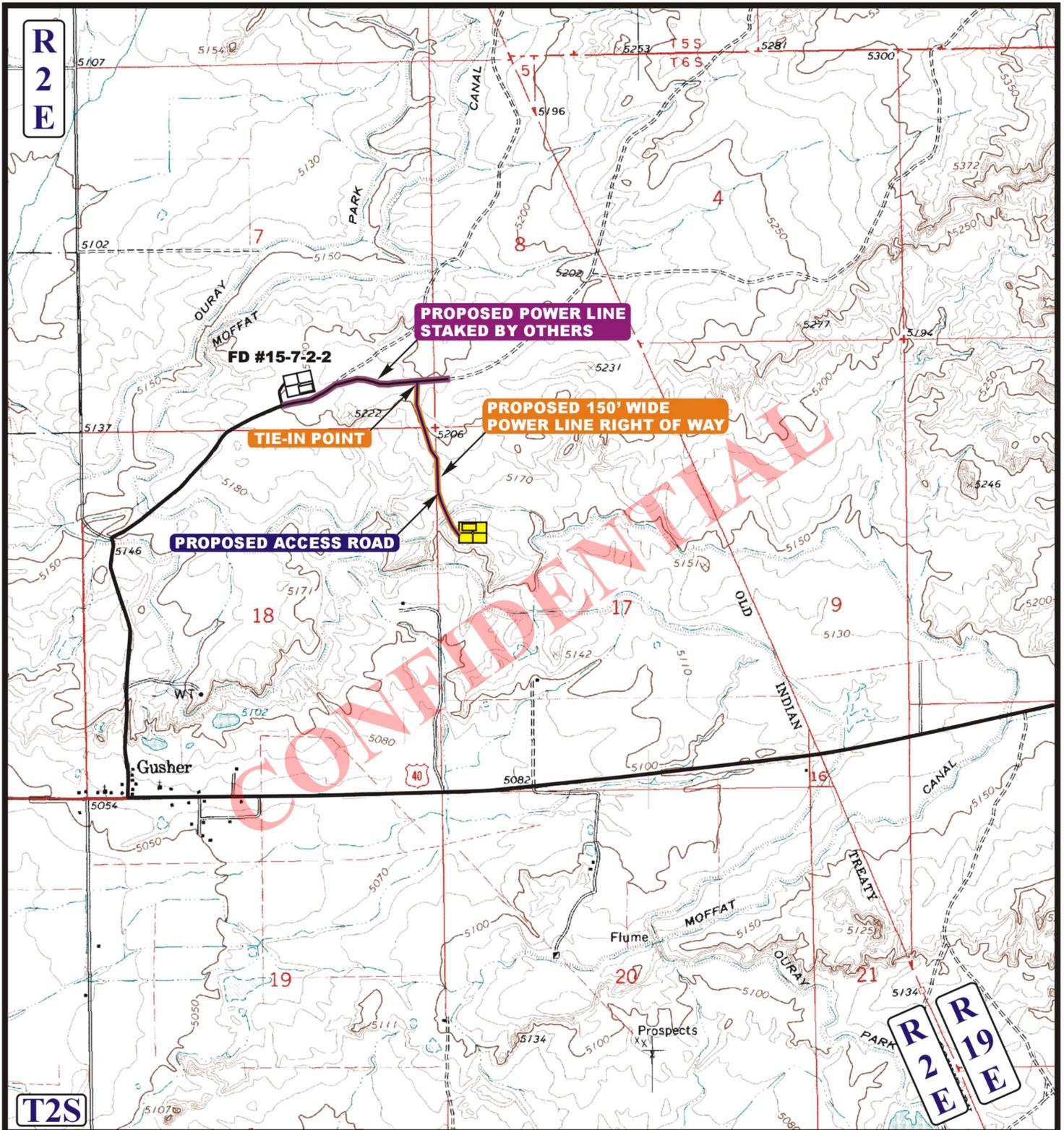
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

10	29	12
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: A.T. REVISED: 01-29-13





APPROXIMATE TOTAL PIPELINE DISTANCE = 2,384' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- - - - - EXISTING POWER LINE
- PROPOSED POWER LINE (SEVERING OTHER WELLS)



BILL BARRETT CORPORATION

**FD #5-17D-2
SECTION 17, T2S, R2E, U.S.B.&M.
1550' FNL 500' FWL**



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

TOPOGRAPHIC MAP 02 05 13
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: B.D.H. REVISED: 00-00-00



BILL BARRETT CORP

UINTAH COUNTY

FD 5-17D-2-2

FD 5-17D-2-2

Wellbore #1

Plan: Design #1

Standard Planning Report

22 April, 2013

CONFIDENTIAL



SITE DETAILS: FD 5-17D-2
Fort Duchesne

Site Latitude: 40° 18' 44.251 N
Site Longitude: 109° 48' 2.099 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 5-17D-2-2

Ground Level: 5168.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	-3031.30	2473962.66	40° 18' 44.251 N	109° 48' 2.099 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
FD 5-17D-2-2 BTV	7000.0	-426.3	160.9	40° 18' 40.039 N	109° 48' 0.022 W	Rectangle (Sides: L200.0 W200.0)
FD 5-17D-2-2 PBHL	12656.0	-426.3	160.9	40° 18' 40.039 N	109° 48' 0.022 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

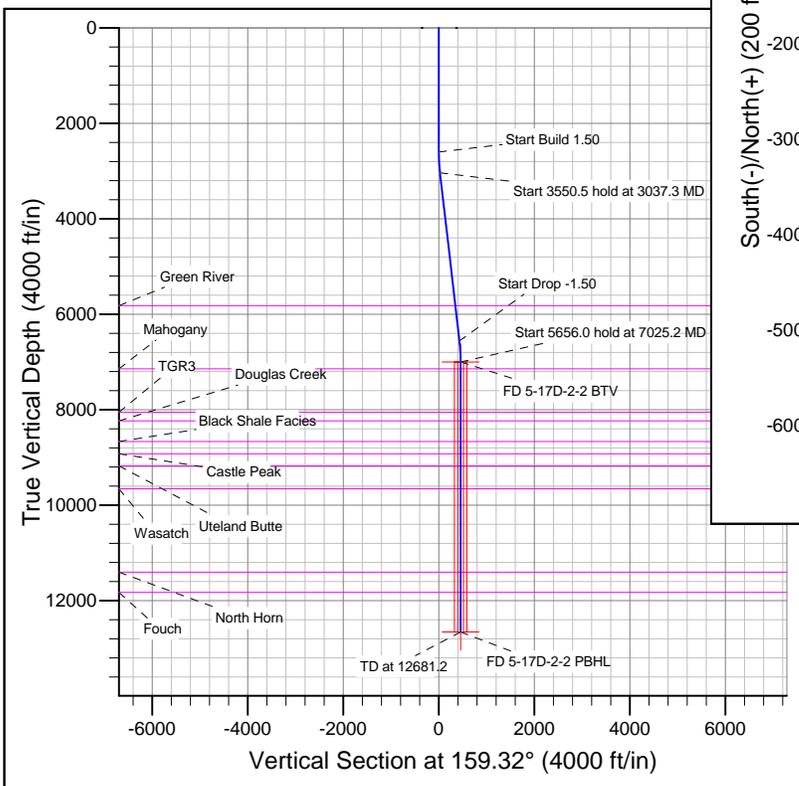
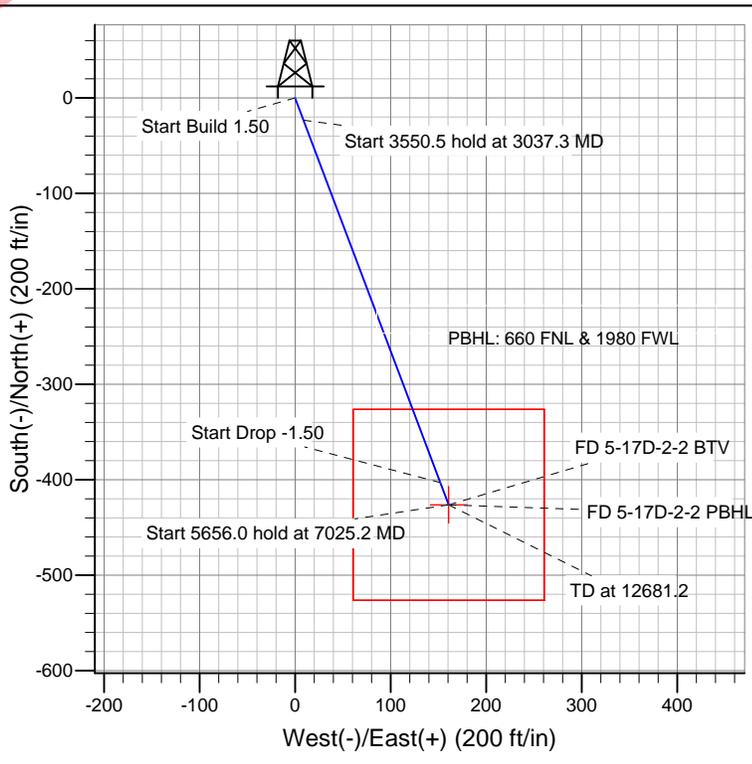
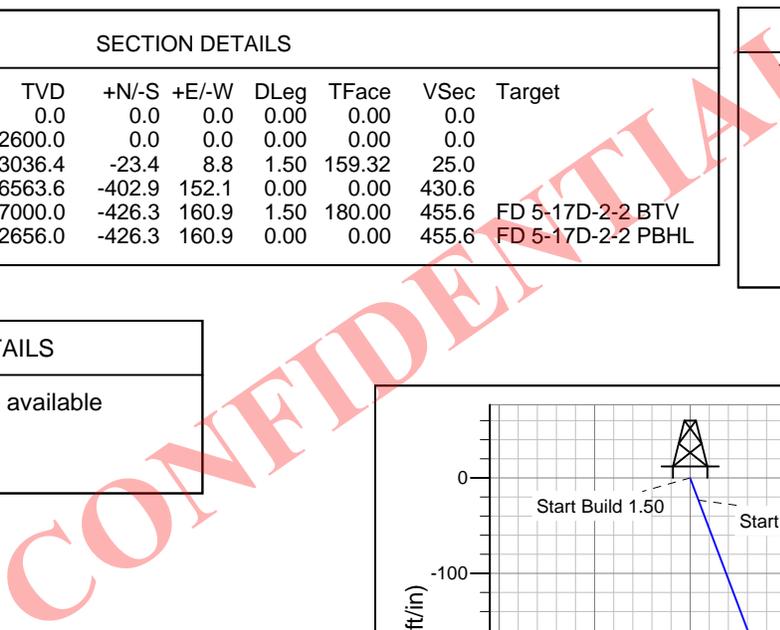
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3	3037.3	6.56	159.32	3036.4	-23.4	8.8	1.50	159.32	25.0	
4	6587.8	6.56	159.32	6563.6	-402.9	152.1	0.00	0.00	430.6	
5	7025.2	0.00	0.00	7000.0	-426.3	160.9	1.50	180.00	455.6	FD 5-17D-2-2 BTV
6	12681.2	0.00	0.00	12656.0	-426.3	160.9	0.00	0.00	455.6	FD 5-17D-2-2 PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
5820.0	5839.3	Green River
7146.0	7171.2	Mahogany
8052.0	8077.2	TGR3
8234.0	8259.2	Douglas Creek
8668.0	8693.2	Black Shale Facies
8925.0	8950.2	Castle Peak
9176.0	9201.2	Uteland Butte
9656.0	9681.2	Wasatch
11407.0	11432.2	North Horn
11829.0	11854.2	Fouch

CASING DETAILS

No casing data is available



Azimuths to True North
 Magnetic North: 11.01°

Magnetic Field
 Strength: 52270.7snT
 Dip Angle: 66.02°
 Date: 4/19/2013
 Model: IGRF2010

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 5-17D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5183.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5183.0ft (Original Well Elev)
Site:	FD 5-17D-2-2	North Reference:	True
Well:	FD 5-17D-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 5-17D-2-2				
Site Position:		Northing:	-3,031.29 ft	Latitude:	40° 18' 44.251 N
From:	Lat/Long	Easting:	2,473,962.66 ft	Longitude:	109° 48' 2.099 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	1.12 °

Well	FD 5-17D-2-2					
Well Position	+N/-S	0.0 ft	Northing:	-3,031.30 ft	Latitude:	40° 18' 44.251 N
	+E/-W	0.0 ft	Easting:	2,473,962.66 ft	Longitude:	109° 48' 2.099 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,168.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	4/19/2013	(°)	(°)	(nT)
			11.01	66.02	52,271

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	159.32

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	
3,037.3	6.56	159.32	3,036.4	-23.4	8.8	1.50	1.50	0.00	159.32	
6,587.8	6.56	159.32	6,563.6	-402.9	152.1	0.00	0.00	0.00	0.00	
7,025.2	0.00	0.00	7,000.0	-426.3	160.9	1.50	-1.50	0.00	180.00	FD 5-17D-2-2 BTV
12,681.2	0.00	0.00	12,656.0	-426.3	160.9	0.00	0.00	0.00	0.00	FD 5-17D-2-2 PBHL

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 5-17D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5183.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5183.0ft (Original Well Elev)
Site:	FD 5-17D-2-2	North Reference:	True
Well:	FD 5-17D-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	159.32	2,700.0	-1.2	0.5	1.3	1.50	1.50	0.00
2,800.0	3.00	159.32	2,799.9	-4.9	1.8	5.2	1.50	1.50	0.00
2,900.0	4.50	159.32	2,899.7	-11.0	4.2	11.8	1.50	1.50	0.00
3,000.0	6.00	159.32	2,999.3	-19.6	7.4	20.9	1.50	1.50	0.00
3,037.3	6.56	159.32	3,036.4	-23.4	8.8	25.0	1.50	1.50	0.00
Start 3550.5 hold at 3037.3 MD									
3,100.0	6.56	159.32	3,098.6	-30.1	11.4	32.2	0.00	0.00	0.00
3,200.0	6.56	159.32	3,198.0	-40.8	15.4	43.6	0.00	0.00	0.00
3,300.0	6.56	159.32	3,297.3	-51.5	19.4	55.0	0.00	0.00	0.00
3,400.0	6.56	159.32	3,396.7	-62.2	23.5	66.4	0.00	0.00	0.00
3,500.0	6.56	159.32	3,496.0	-72.9	27.5	77.9	0.00	0.00	0.00
3,600.0	6.56	159.32	3,595.4	-83.5	31.5	89.3	0.00	0.00	0.00
3,700.0	6.56	159.32	3,694.7	-94.2	35.6	100.7	0.00	0.00	0.00
3,800.0	6.56	159.32	3,794.1	-104.9	39.6	112.1	0.00	0.00	0.00
3,900.0	6.56	159.32	3,893.4	-115.6	43.6	123.6	0.00	0.00	0.00
4,000.0	6.56	159.32	3,992.7	-126.3	47.7	135.0	0.00	0.00	0.00
4,100.0	6.56	159.32	4,092.1	-137.0	51.7	146.4	0.00	0.00	0.00
4,200.0	6.56	159.32	4,191.4	-147.7	55.7	157.8	0.00	0.00	0.00
4,300.0	6.56	159.32	4,290.8	-158.4	59.8	169.3	0.00	0.00	0.00
4,400.0	6.56	159.32	4,390.1	-169.0	63.8	180.7	0.00	0.00	0.00
4,500.0	6.56	159.32	4,489.5	-179.7	67.8	192.1	0.00	0.00	0.00
4,600.0	6.56	159.32	4,588.8	-190.4	71.9	203.5	0.00	0.00	0.00
4,700.0	6.56	159.32	4,688.2	-201.1	75.9	215.0	0.00	0.00	0.00
4,800.0	6.56	159.32	4,787.5	-211.8	79.9	226.4	0.00	0.00	0.00
4,900.0	6.56	159.32	4,886.9	-222.5	84.0	237.8	0.00	0.00	0.00
5,000.0	6.56	159.32	4,986.2	-233.2	88.0	249.2	0.00	0.00	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 5-17D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5183.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5183.0ft (Original Well Elev)
Site:	FD 5-17D-2-2	North Reference:	True
Well:	FD 5-17D-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	6.56	159.32	5,085.5	-243.9	92.0	260.6	0.00	0.00	0.00	
5,200.0	6.56	159.32	5,184.9	-254.5	96.1	272.1	0.00	0.00	0.00	
5,300.0	6.56	159.32	5,284.2	-265.2	100.1	283.5	0.00	0.00	0.00	
5,400.0	6.56	159.32	5,383.6	-275.9	104.2	294.9	0.00	0.00	0.00	
5,500.0	6.56	159.32	5,482.9	-286.6	108.2	306.3	0.00	0.00	0.00	
5,600.0	6.56	159.32	5,582.3	-297.3	112.2	317.8	0.00	0.00	0.00	
5,700.0	6.56	159.32	5,681.6	-308.0	116.3	329.2	0.00	0.00	0.00	
5,800.0	6.56	159.32	5,781.0	-318.7	120.3	340.6	0.00	0.00	0.00	
5,839.3	6.56	159.32	5,820.0	-322.9	121.9	345.1	0.00	0.00	0.00	
Green River										
5,900.0	6.56	159.32	5,880.3	-329.4	124.3	352.0	0.00	0.00	0.00	
6,000.0	6.56	159.32	5,979.6	-340.0	128.4	363.5	0.00	0.00	0.00	
6,100.0	6.56	159.32	6,079.0	-350.7	132.4	374.9	0.00	0.00	0.00	
6,200.0	6.56	159.32	6,178.3	-361.4	136.4	386.3	0.00	0.00	0.00	
6,300.0	6.56	159.32	6,277.7	-372.1	140.5	397.7	0.00	0.00	0.00	
6,400.0	6.56	159.32	6,377.0	-382.8	144.5	409.2	0.00	0.00	0.00	
6,500.0	6.56	159.32	6,476.4	-393.5	148.5	420.6	0.00	0.00	0.00	
6,587.8	6.56	159.32	6,563.6	-402.9	152.1	430.6	0.00	0.00	0.00	
Start Drop -1.50										
6,600.0	6.38	159.32	6,575.7	-404.2	152.6	432.0	1.50	-1.50	0.00	
6,700.0	4.88	159.32	6,675.2	-413.3	156.0	441.8	1.50	-1.50	0.00	
6,800.0	3.38	159.32	6,775.0	-420.1	158.6	449.0	1.50	-1.50	0.00	
6,900.0	1.88	159.32	6,874.9	-424.4	160.2	453.6	1.50	-1.50	0.00	
7,000.0	0.38	159.32	6,974.8	-426.2	160.9	455.5	1.50	-1.50	0.00	
7,025.2	0.00	0.00	7,000.0	-426.3	160.9	455.6	1.50	-1.50	0.00	
Start 5656.0 hold at 7025.2 MD										
7,100.0	0.00	0.00	7,074.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,171.2	0.00	0.00	7,146.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Mahogany										
7,200.0	0.00	0.00	7,174.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,274.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,374.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,474.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,574.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,674.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,774.8	-426.3	160.9	455.6	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,874.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,974.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,077.2	0.00	0.00	8,052.0	-426.3	160.9	455.6	0.00	0.00	0.00	
TGR3										
8,100.0	0.00	0.00	8,074.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,174.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,259.2	0.00	0.00	8,234.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Douglas Creek										
8,300.0	0.00	0.00	8,274.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,374.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,474.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,574.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,693.2	0.00	0.00	8,668.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Black Shale Facies										
8,700.0	0.00	0.00	8,674.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,774.8	-426.3	160.9	455.6	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,874.8	-426.3	160.9	455.6	0.00	0.00	0.00	

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 5-17D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5183.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5183.0ft (Original Well Elev)
Site:	FD 5-17D-2-2	North Reference:	True
Well:	FD 5-17D-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)	
8,950.2	0.00	0.00	8,925.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Castle Peak										
9,000.0	0.00	0.00	8,974.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,074.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,174.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,201.2	0.00	0.00	9,176.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Uteland Butte										
9,300.0	0.00	0.00	9,274.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,374.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,474.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,574.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,681.2	0.00	0.00	9,656.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Wasatch										
9,700.0	0.00	0.00	9,674.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,774.8	-426.3	160.9	455.6	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,874.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,974.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,074.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,174.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,274.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,374.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,474.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,574.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,674.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,774.8	-426.3	160.9	455.6	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,874.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,974.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,074.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,174.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,274.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,374.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,432.2	0.00	0.00	11,407.0	-426.3	160.9	455.6	0.00	0.00	0.00	
North Horn										
11,500.0	0.00	0.00	11,474.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,574.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,674.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,774.8	-426.3	160.9	455.6	0.00	0.00	0.00	
11,854.2	0.00	0.00	11,829.0	-426.3	160.9	455.6	0.00	0.00	0.00	
Fouch										
11,900.0	0.00	0.00	11,874.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,000.0	0.00	0.00	11,974.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,100.0	0.00	0.00	12,074.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,200.0	0.00	0.00	12,174.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,300.0	0.00	0.00	12,274.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,400.0	0.00	0.00	12,374.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,500.0	0.00	0.00	12,474.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,600.0	0.00	0.00	12,574.8	-426.3	160.9	455.6	0.00	0.00	0.00	
12,681.2	0.00	0.00	12,656.0	-426.3	160.9	455.6	0.00	0.00	0.00	
TD at 12681.2										

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Site FD 5-17D-2-2
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 5183.0ft (Original Well Elev)
Project:	UINTAH COUNTY	MD Reference:	KB @ 5183.0ft (Original Well Elev)
Site:	FD 5-17D-2-2	North Reference:	True
Well:	FD 5-17D-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
FD 5-17D-2-2 PBHL - plan hits target - Rectangle (sides W200.0 H200.0 D0.0)	0.00	0.00	12,656.0	-426.3	160.9	-3,454.33	2,474,131.87	40° 18' 40.039 N	109° 48' 0.022 W
FD 5-17D-2-2 BTV - plan hits target - Rectangle (sides W200.0 H200.0 D5,656.0)	0.00	0.00	7,000.0	-426.3	160.9	-3,454.33	2,474,131.87	40° 18' 40.039 N	109° 48' 0.022 W

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
5,839.3	5,820.0	Green River		0.00	
7,171.2	7,146.0	Mahogany		0.00	
8,077.2	8,052.0	TGR3		0.00	
8,259.2	8,234.0	Douglas Creek		0.00	
8,693.2	8,668.0	Black Shale Facies		0.00	
8,950.2	8,925.0	Castle Peak		0.00	
9,201.2	9,176.0	Uteland Butte		0.00	
9,681.2	9,656.0	Wasatch		0.00	
11,432.2	11,407.0	North Horn		0.00	
11,854.2	11,829.0	Fouch		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
		(ft)	(ft)	
2,600.0	2,600.0	0.0	0.0	Start Build 1.50
3,037.3	3,036.4	-23.4	8.8	Start 3550.5 hold at 3037.3 MD
6,587.8	6,563.6	-402.9	152.1	Start Drop -1.50
7,025.2	7,000.0	-426.3	160.9	Start 5656.0 hold at 7025.2 MD
12,681.2	12,656.0	-426.3	160.9	TD at 12681.2

SURFACE USE AGREEMENT (FD 5-17-2-2)

THIS AGREEMENT Dated February 28, 2012 by and between Glenn J. Huber, Trustee of the Shirley Huber Family Living Trust executed April 1, 1982 and Shirley Huber, Trustee of the Glenn J. Huber Family Living Trust executed April 1, 1982 whose address is P.O. Box 154, Lapoint, UT 84039 (435-247-2336), hereinafter referred to as "Surface Owner", and Bill Barrett Corporation, whose address is 1099 18th Street, #2300, Denver, CO 80202 hereinafter referred to as "Operator".

WITNESSETH:

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

A Tract of land lying in the **SW/4NW/4, Section 17, Township 2 South, Range 2 East** as further described on Exhibit "A" attached hereto and made a part hereof.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ADDITIONAL PROVISIONS:

SURFACE OWNER:

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

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

STATE of Utah

ACKNOWLEDGEMENT

COUNTY of Uintah

BEFORE ME, the undersigned, a Notary Public, in and for said County and State, on this 5 day of March, 2012, personally appeared Glenn J. Huber and Shirley Huber, in the capacities as stated above

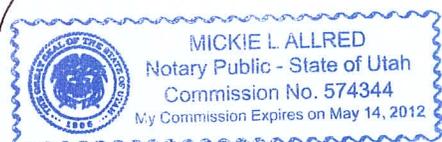
_____ , to me known to be the

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

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

My Commission Expires: May 14, 2012

Mickie L. Allred
Notary Public:



PIPELINE RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
 } SS
COUNTY OF Uintah }

THAT, effective on this 29th day of November, 2012,

Glenn J. Huber, Trustee of the Shirley Huber Family Living Trust executed April 1, 1982 and Shirley Huber, Trustee of the Glenn J. Huber Family Living Trust executed April 1, 1982 whose address is: P.O. Box 154, Lapoint, UT 84039,

("GRANTORS"), the receipt and sufficiency of which is hereby acknowledged, does hereby grant to **Aurora Gathering, LLC of 1099 18th Street, #2300, Denver, CO 80202** ("GRANTEE"), its successors or assigns, a right-of-way to construct, maintain and use pipelines along with the right to alter, inspect, repair, replace, change the size of, operate, and remove pipelines and from time to time add additional pipelines or multiple pipelines, drips, valves, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said lands for any purpose necessary or incidental to the operating and maintaining said pipeline or pipelines owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantors in **Uintah** County, State of Utah, to-wit:

Township 2 South, Range 2 East, USM
Section 7: A tract of land lying in the SE/4SE/4
Section 17: A tract of land lying in the W/2NW/4
Section 18: A tract of land lying in the NE/4NE/4

As further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantee to have the right to select, change or alter the routes of all pipelines herein authorized to be laid under, upon, over and through the above described premises. Grantors shall not place anything over or so close to any pipeline or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment or means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantors arising out of the construction or repair of any of the pipelines and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Thirty (30) feet in width for construction and Twenty five (25) feet for the permanent easement. Pipelines and disturbed ground to be reseeded at recommended seeding rates per Grantors once cleanup is completed.

The foregoing sets out the entire agreement between Grantors and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Aurora Gathering, LLC**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

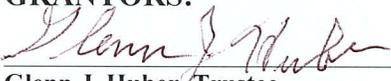
Grantors shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

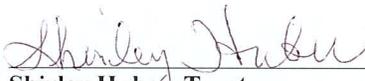
This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the pipeline, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement is signed by Grantors and Grantee as of the date of acknowledgment of their signatures below, but is effective for all purposes as of the Effective Date stated above.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTORS and GRANTEE herein named have hereunto set their hand and seal this 5th day December, 2012.

GRANTORS:

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


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

GRANTEE:
Aurora Gathering, LLC

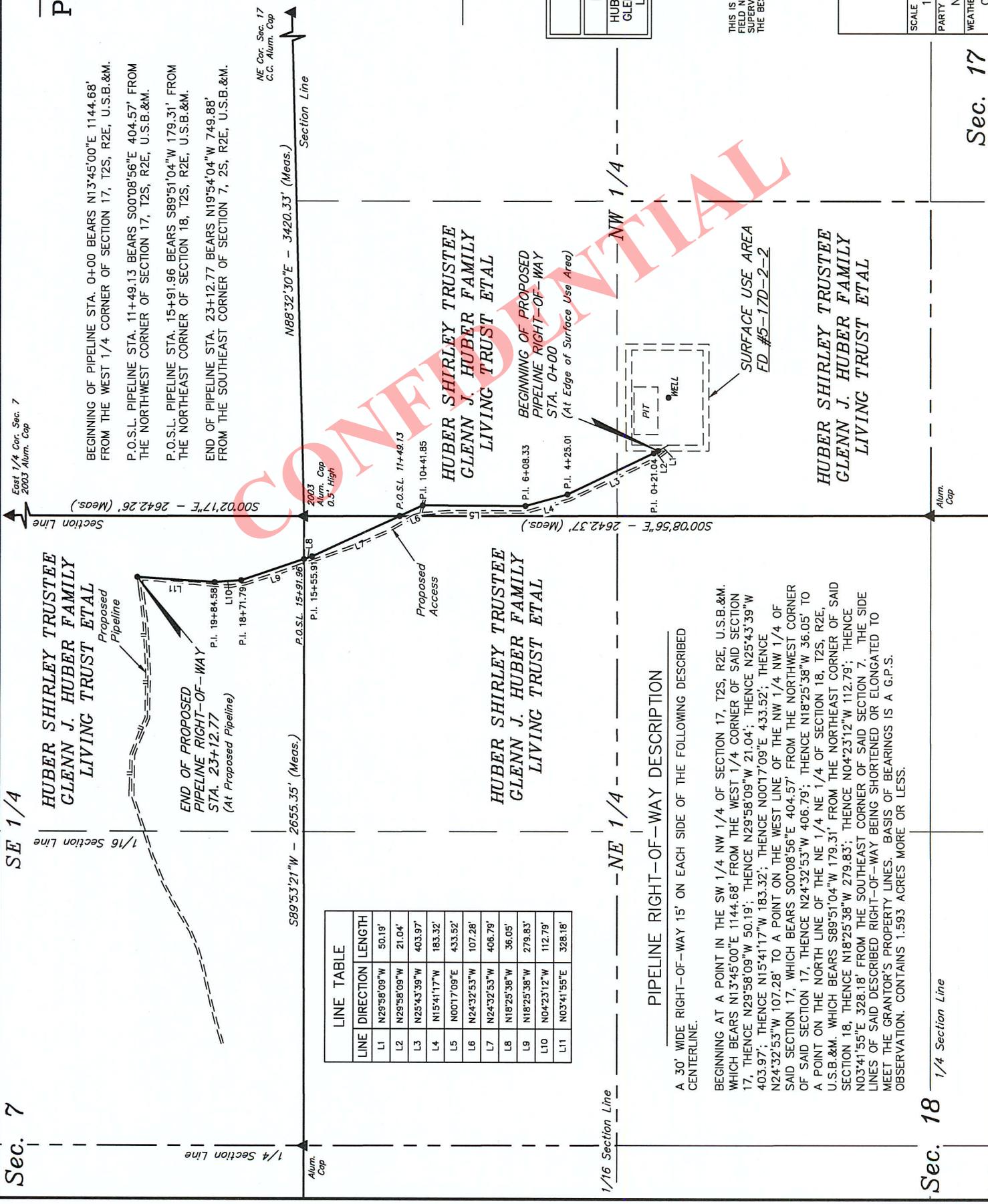
Huntington T. Walker, Senior Vice President Land

BILL BARRETT CORPORATION

PIPELINE RIGHT-OF-WAY ON FEE LANDS

(For FD #5-17D-2-2)

LOCATED IN SECTIONS 7, 17 & 18, T2S, R2E, U.S.B.&M., JUNTAH COUNTY, UTAH

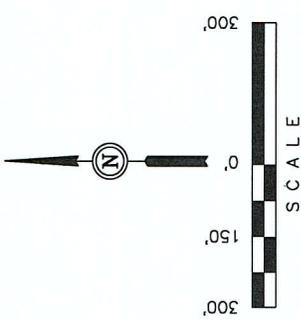


LINE TABLE	
LINE	LENGTH
L1	50.19'
L2	21.04'
L3	403.97'
L4	183.32'
L5	433.52'
L6	107.28'
L7	406.79'
L8	36.05'
L9	279.83'
L10	112.79'
L11	328.18'

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
HUBER SHIRLEY TRUSTEE	2312.77	1.593	140.17
GLENN J. HUBER FAMILY LIVING TRUST ETAL			

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

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 17, T2S, R2E, U.S.B.&M. WHICH BEARS $N13^{\circ}45'00''E$ 1144.68' FROM THE WEST 1/4 CORNER OF SAID SECTION 17, THENCE $N29^{\circ}58'09''W$ 50.19'; THENCE $N29^{\circ}58'09''W$ 21.04'; THENCE $N25^{\circ}43'39''W$ 403.97'; THENCE $N15^{\circ}41'17''W$ 183.32'; THENCE $N00^{\circ}17'09''E$ 433.52'; THENCE $N24^{\circ}32'53''W$ 107.28' TO A POINT ON THE WEST LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 17, WHICH BEARS $S00^{\circ}08'56''E$ 404.57' FROM THE NORTHWEST CORNER OF SAID SECTION 17, THENCE $N24^{\circ}32'53''W$ 406.79'; THENCE $N18^{\circ}25'38''W$ 36.05' TO 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 $S89^{\circ}51'04''W$ 179.31' FROM THE NORTHEAST CORNER OF SAID SECTION 18, THENCE $N18^{\circ}25'38''W$ 279.83'; THENCE $N04^{\circ}23'12''W$ 112.79'; THENCE $N03^{\circ}41'55''E$ 328.18' FROM THE SOUTHEAST CORNER OF SAID SECTION 7. 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 1.593 ACRES MORE OR LESS.



BASIS OF BEARINGS

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

▲ = SECTION CORNERS LOCATED.



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

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

SCALE	DATE
1" = 300'	10-29-12
PARTY	REFERENCES
N.F. M.M. A.T	G.L.O. PLAT
WEATHER	FILE
COLD	5 3 1 2 8

Sec. 17

Sec. 18

ROAD RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }
 } SS
COUNTY OF UINTAH }

THAT, effective on this 29th day of November, 2012,

Glenn J. Huber, Trustee of the Shirley Huber Family Living Trust executed April 1, 1982 and Shirley Huber, Trustee of the Glenn J. Huber Family Living Trust executed April 1, 1982 whose address is: P.O. Box 154, Lapoint, UT 84039

("GRANTORS"), the receipt and sufficiency of which is hereby acknowledged, do hereby grant to **Bill Barrett Corporation** ("GRANTEE"), of **1099 18th Street, #2300, Denver, CO 80202**, its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, along with the right to lay, construct, maintain, alter, inspect, repair, replace, change the size of, operate, and remove drips , valves, electrical power lines, whether buried or overhead, cathodic equipment, and all appurtenances convenient for the maintenance and operation of said lines and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantors in **Uintah** County, State of Utah, to-wit:

Township 2 South, Range 2 East, USM
Section 7: A tract of land lying in the S/2SE/4
Section 17: A tract of land lying in the W/2NW/4
Section 18: A tract of land lying in the NE/4NE/4

As further described on Exhibit "A" attached hereto and made a part hereof.

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantee to have the right to select, change or alter the routes of all roads herein authorized to be laid upon, over and through the above described premises. Grantors shall not place anything over or so close to any road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of pipelines. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantors arising out of the construction or repair of any of the roads and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty-Six (60') feet for construction and Fifty (50') feet for the permanent easement. Disturbed ground, not in the permanent road easement, to be reseeded at recommended seeding rates per Surface Owners once cleanup is completed.

The foregoing sets out the entire agreement between Grantors and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below. This agreement shall not act to modify or diminish operator's rights and privileges under any oil and gas leases owned by Operator covering all or any portion of the above described lands.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Bill Barrett Corporation**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

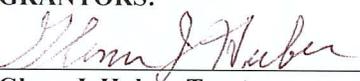
Grantors shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.

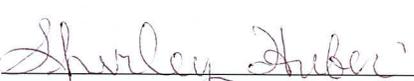
This agreement shall terminate within six (6) months after cessation of use by Grantee. Following completion of the pipeline, Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement is signed by Grantors and Grantee as of the date of acknowledgment of their signatures below, but is effective for all purposes as of the Effective Date stated above.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTORS and GRANTEE herein named have hereunto set their hand and seal this 5th day of December, 2012.

GRANTORS:

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


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

GRANTEE:
Bill Barrett Corporation

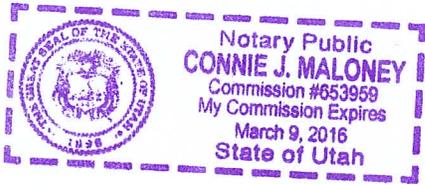
Huntington T. Walker, Senior Vice-President Land

ACKNOWLEDGEMENT

STATE OF Utah }
COUNTY OF Uintah } SS

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 5th 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) 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.



Connie J. Maloney
Notary Public

Residing At: Uernal, Utah

ACKNOWLEDGEMENT

STATE OF _____)
COUNTY OF _____) SS

On the ___ day of _____, 2012, before me the undersigned authority, appeared **Huntington T. Walker**, to me personally known, who, being sworn, did say that he is the Senior Vice-President Land of Bill Barrett Corporation, and that the foregoing instrument was signed in behalf of said corporation and Appearer acknowledged to me that said instrument to be the free act and deed of the corporation.

Notary Public for the State of

Residing at _____

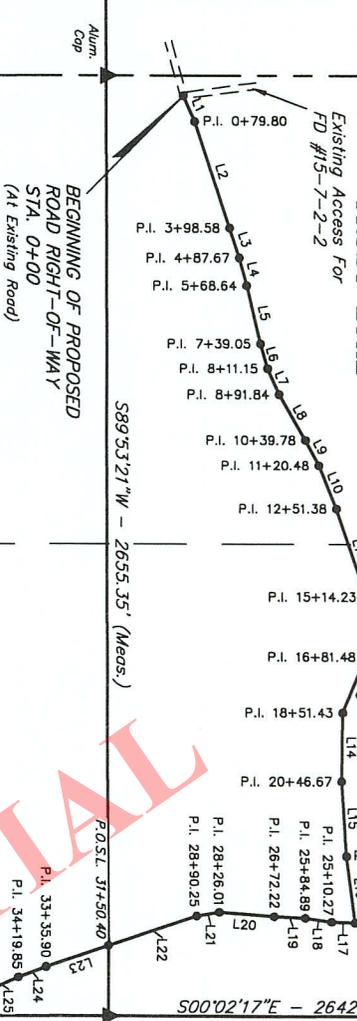
CONFIDENTIAL

Sec. 7 SE 1/4 2003 Alum. Cap

1/4 Section Line

1/16 Section Line

Section Line



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

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 17, T2S, R2E, U.S.B.&M. WHICH BEARS N13°45'00"E, 1144.68', FROM THE WEST 1/4 CORNER OF SAID SECTION 17, THENCE N00°03'42"W, 172.61'; THENCE N89°56'18"E, 450.00'; THENCE S00°03'42"E, 350.00'; THENCE S89°56'18"W, 450.00'; THENCE N00°03'42"W, 177.39' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.616 ACRES MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION

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

BEGINNING AT A POINT IN THE SW 1/4 SE 1/4 OF SECTION 7, T2S, R2E, U.S.B.&M. WHICH BEARS N14°33'10"E, 222.37' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 7, THENCE N66°54'59"E, 79.80'; THENCE N72°09'37"E, 518.79'; THENCE N72°29'54"E, 89.09'; THENCE N75°09'18"E, 80.97'; THENCE N76°55'01"E, 170.41'; THENCE N73°56'22"E, 72.10'; THENCE N66°12'32"E, 80.69'; THENCE N59°50'02"E, 147.94'; THENCE N62°25'35"E, 80.70'; THENCE N67°40'32"E, 130.90'; THENCE N71°33'10"E, 262.85'; THENCE S89°14'03"E, 167.26'; THENCE S67°57'41"E, 169.95'; THENCE S89°10'32"E, 195.24'; THENCE N86°33'29"E, 589°14'03"E, 167.26'; THENCE S67°57'41"E, 169.95'; THENCE S08°15'27"W, 74.61'; THENCE S02°36'48"W, 87.33'; THENCE S04°30'22"W, 153.80'; THENCE S09°26'29"E, 64.24'; THENCE S18°56'14"E, 260.14' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 7 WHICH BEARS S89°53'21"W, 198.29' FROM THE SOUTHEAST CORNER OF SAID SECTION 7, THENCE S18°56'14"E, 185.51'; THENCE S20°35'25"E, 83.94'; THENCE S24°27'00"E, 104.55'; THENCE S30°06'19"E, 132.58' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SECTION 18, T2S, R2E, U.S.B.&M. WHICH BEARS S00°08'56"E, 464.30' FROM THE NORTHEAST CORNER OF SAID SECTION 18, THENCE S17°27'55"E, 30.10'; THENCE S04°33'03"E, 123.45'; THENCE S00°14'10"W, 322.95'; THENCE S15°38'00"E, 188.71'; THENCE S25°48'56"E, 412.54'; THENCE S37°46'02"E, 48.54' TO A POINT IN THE SW 1/4 NW 1/4 OF SECTION 17, T2S, R2E, U.S.B.&M. WHICH BEARS N13°45'00"E, 1144.68', FROM THE WEST 1/4 CORNER OF SAID SECTION 17. 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 3.294 ACRES MORE OR LESS.

LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	N66°54'59"E	79.80'	L14	S89°10'32"E	195.24'	L27	S17°27'55"E	30.10'
L2	N72°09'37"E	518.79'	L15	N66°33'29"E	208.54'	L28	S04°33'03"E	123.45'
L3	N72°29'54"E	89.09'	L16	N83°02'49"E	189.76'	L29	S00°14'10"W	322.95'
L4	N75°09'18"E	80.97'	L17	S02°05'22"W	65.51'	L30	S15°38'00"E	188.71'
L5	N76°55'01"E	170.41'	L18	S08°15'27"W	74.61'	L31	S25°48'56"E	412.54'
L6	N73°56'22"E	72.10'	L19	S02°36'48"W	87.33'	L32	S37°46'02"E	48.54'
L7	N66°12'32"E	80.69'	L20	S04°30'22"W	153.80'	L33	S37°46'02"E	40.86'
L8	N69°50'02"E	147.94'	L21	S08°26'29"E	64.24'	L34	N00°03'42"E	172.61'
L9	N62°25'35"E	80.70'	L22	S18°56'14"E	260.14'	L35	N89°56'18"E	450.00'
L10	N67°40'32"E	130.90'	L23	S18°56'14"E	185.51'	L36	S00°03'42"E	350.00'
L11	N71°33'10"E	262.85'	L24	S20°35'25"E	83.94'	L37	S89°56'18"W	450.00'
L12	S89°14'03"E	167.26'	L25	S24°27'00"E	104.55'	L38	N00°03'42"W	177.39'
L13	S67°57'41"E	169.95'	L26	S30°06'19"E	132.58'			

**HUBER SHIRLEY TRUSTEE
GLENN J. HUBER
FAMILY LIVING TRUST ETAL**

P.O.S.L. STA. 31+50.40 BEARS S89°53'21"W, 198.29' FROM THE SOUTHEAST CORNER OF SECTION 7, T2S, R2E, U.S.B.&M.

P.O.S.L. STA. 36+56.98 BEARS S00°08'56"E, 464.30' FROM THE NORTHWEST CORNER OF SECTION 17, T2S, R2E, U.S.B.&M.

END OF ROAD STA. 47+83.27 BEARS N13°45'00"E, 1144.68' FROM THE WEST 1/4 CORNER OF SECTION 17, T2S, R2E, U.S.B.&M.



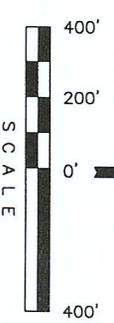
END OF PROPOSED ROAD RIGHT-OF-WAY STA. 47+83.27 (At Edge of Surface Use Area)

SURFACE USE AREA FD #5-17D-2-2 Contains 3.616 Acres

BILL BARRETT CORPORATION

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

(For FD #5-17D-2-2)
LOCATED IN
SECTIONS 7, 17 & 18,
T2S, R2E, U.S.B.&M.,
UNITAH COUNTY, UTAH



BASIS OF BEARINGS IS A G.P.S. OBSERVATION.
▲ = SECTION CORNERS LOCATED.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
HUBER SHIRLEY TRUSTEE GLENN J. HUBER FAMILY LIVING TRUST ETAL	4783.27	3.294	289.90

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.



UTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84076

SCALE	DATE
1" = 400'	10-29-12
PARTY	REFERENCES
N.F. M.M. A.T.	G.L.O. PLAT
WEATHER	FILE
COLD	5 3 1 2 7

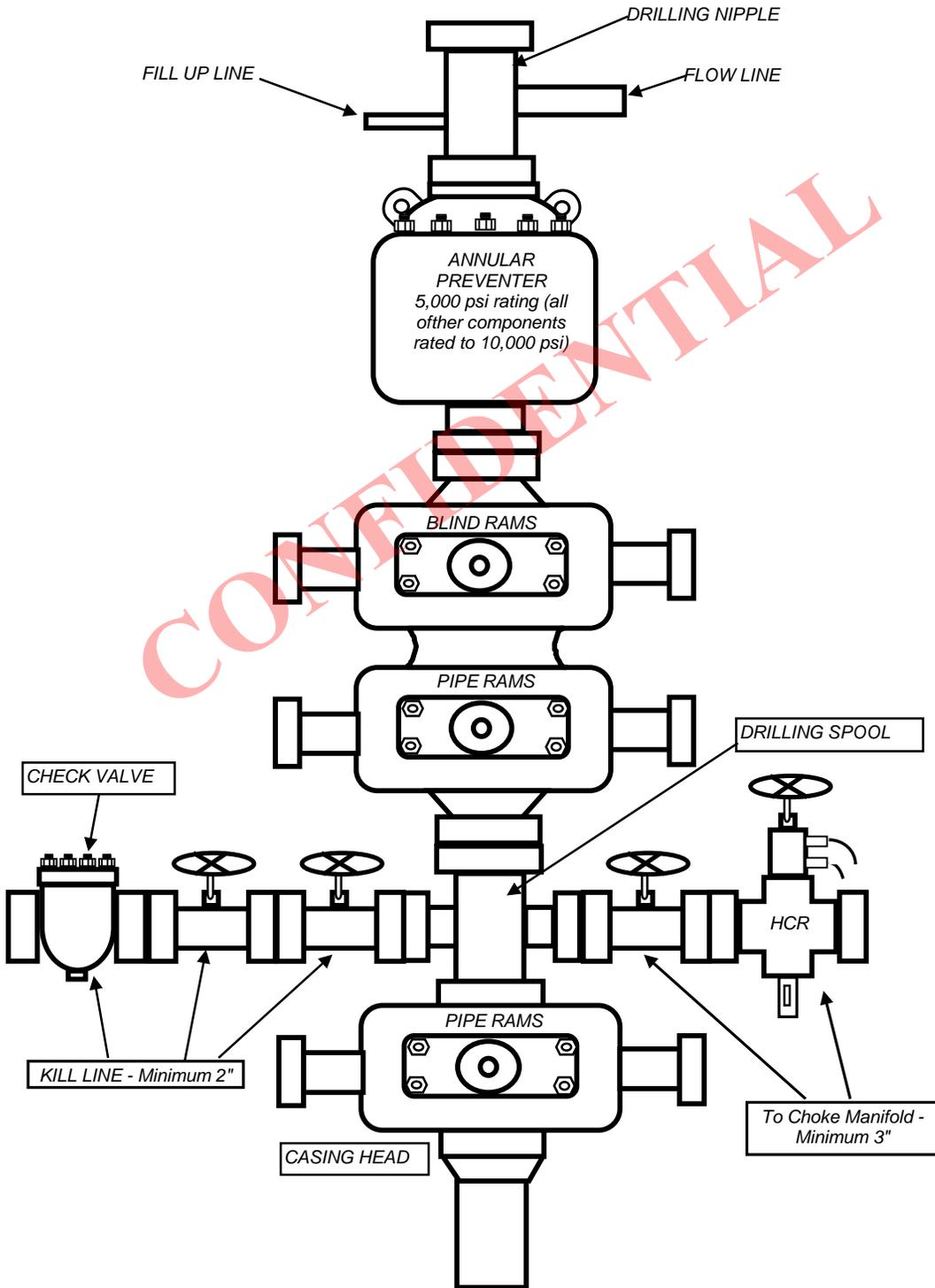
Sec. 18

Sec. 17

Exhibit "A"

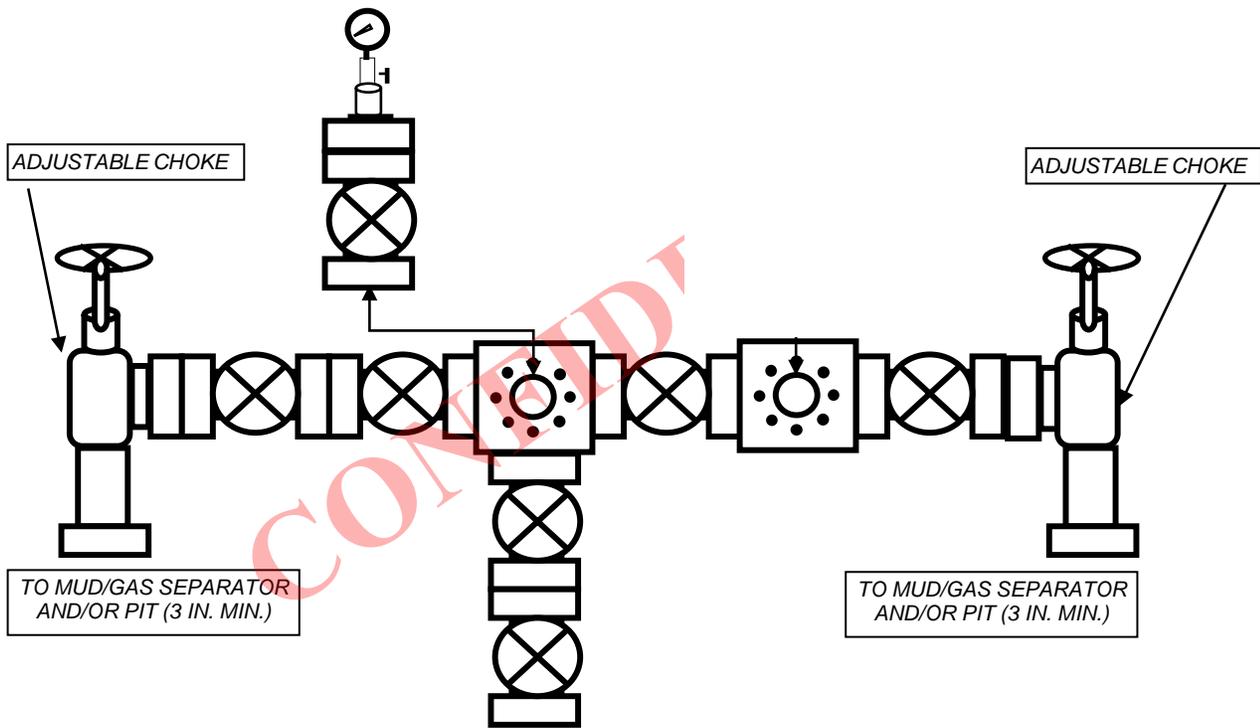
BILL BARRETT CORPORATION

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

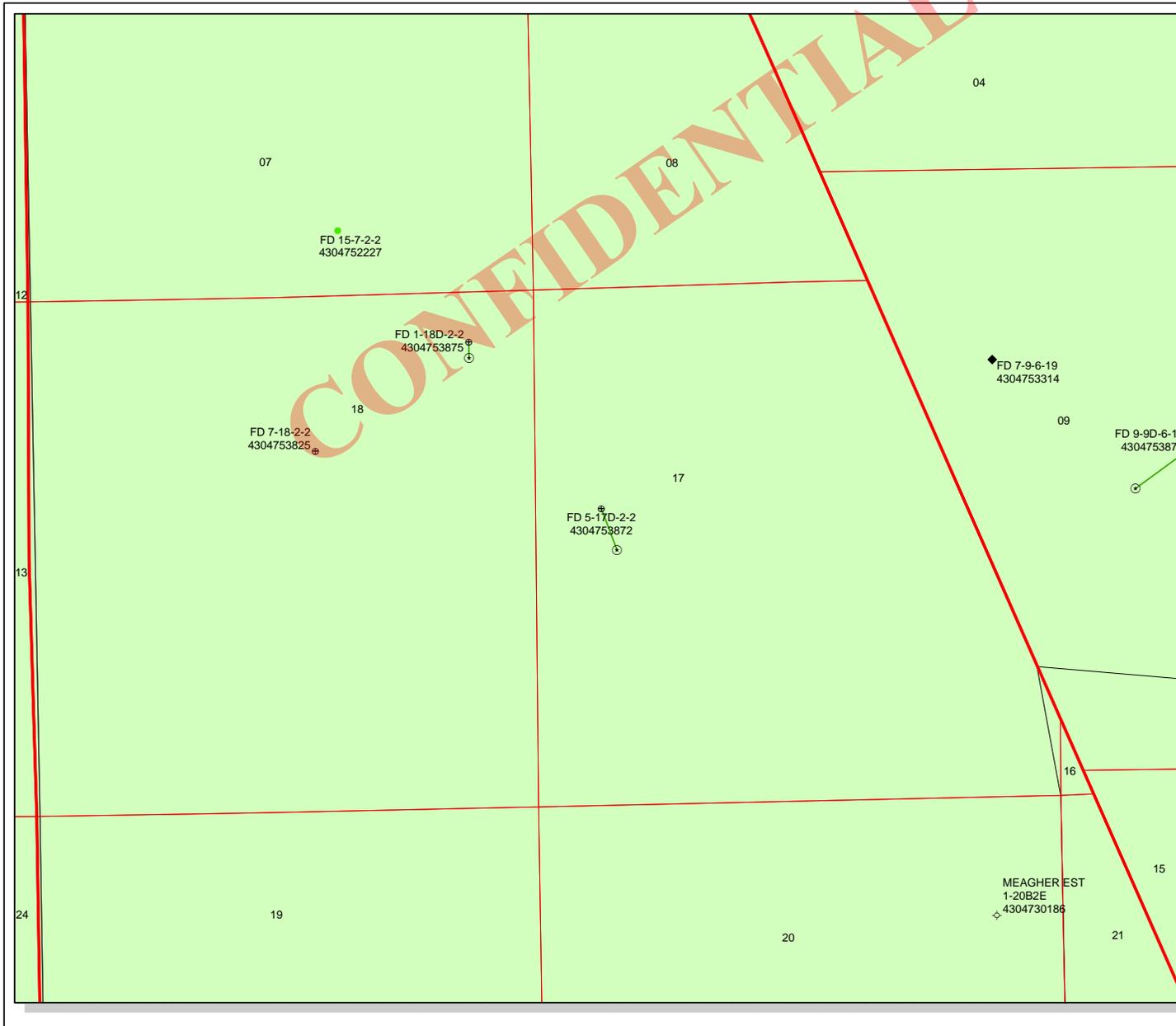


BILL BARRETT CORPORATION

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

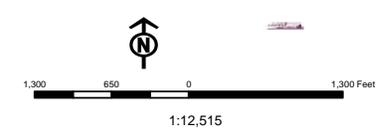
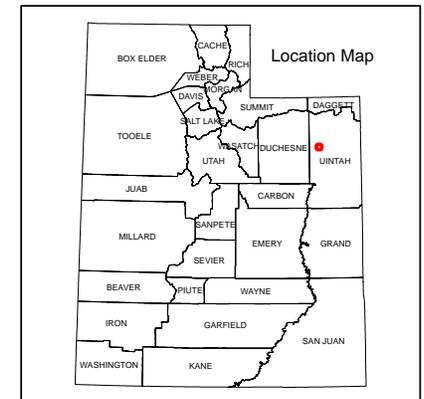
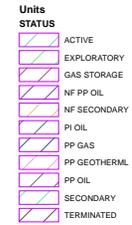


ALL EQUIPMENT IS 3" (MINIMUM).



API Number: 4304753872
Well Name: FD 5-17D-2-2
Township T02.0S Range R02.0E Section 17
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
Map Produced by Diana Mason



Well Name	BILL BARRETT CORP FD 5-17D-2-2 43047538720000			
String	Cond	Surf	I1	L1
Casing Size(")	16.000	9.625	7.000	4.500
Setting Depth (TVD)	80	2500	8718	12656
Previous Shoe Setting Depth (TVD)	0	80	2500	8718
Max Mud Weight (ppg)	8.7	9.4	10.0	12.5
BOPE Proposed (psi)	0	500	10000	10000
Casing Internal Yield (psi)	1000	3520	9950	12410
Operators Max Anticipated Pressure (psi)	8226			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 OK
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

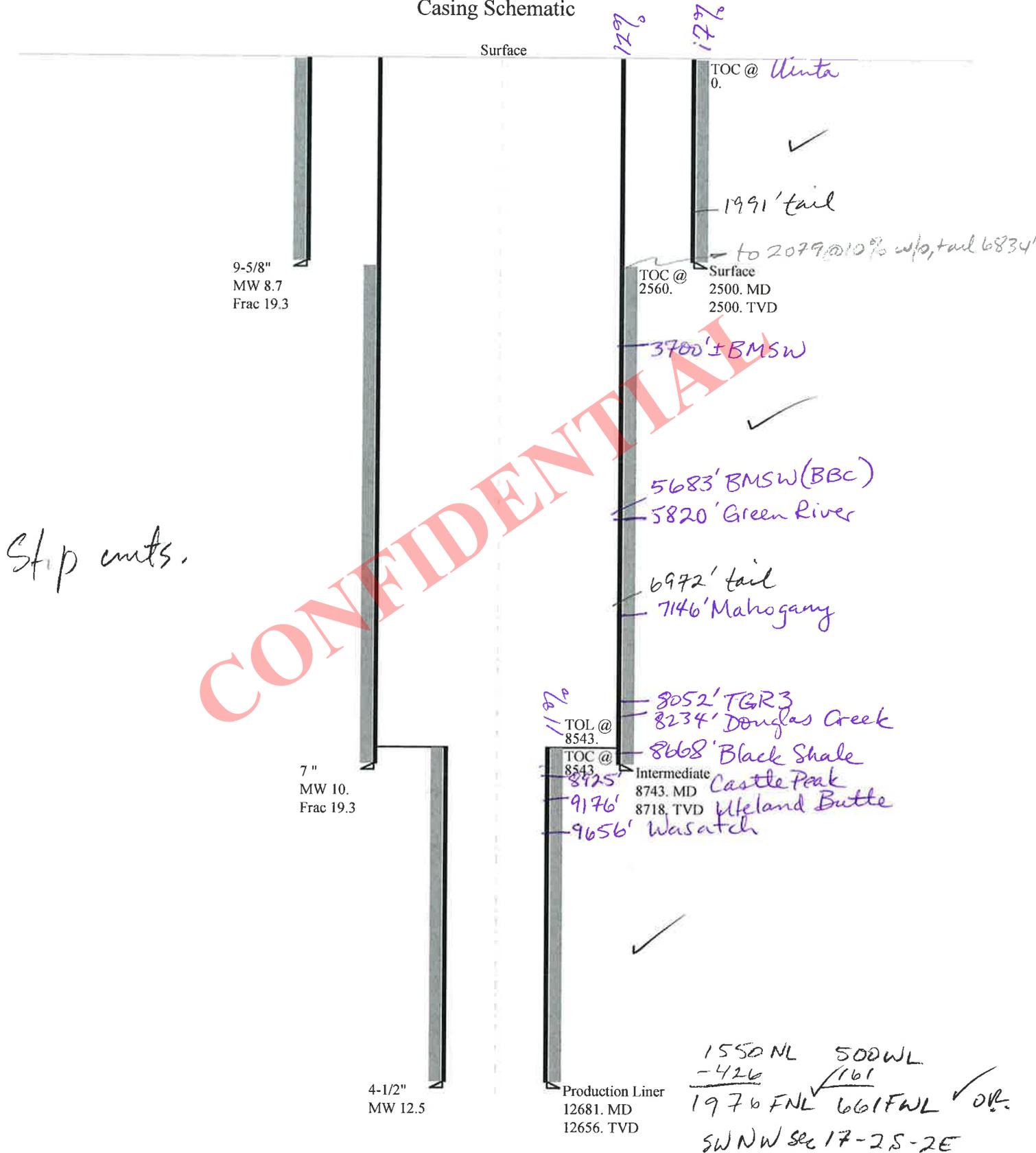
Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1222	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	922	NO diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	672	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	690	NO OK, no expected pressures
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=	4533	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3487	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2615	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3165	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=	8226	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6707	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5442	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7360	YES
Required Casing/BOPE Test Pressure=		8687	psi
*Max Pressure Allowed @ Previous Casing Shoe=		8718	psi *Assumes 1psi/ft frac gradient

43047538720000 FD 5-17D-2-2

Casing Schematic



Well name:	43047538720000 FD 5-17D-2-2	
Operator:	BILL BARRETT CORP	Project ID:
String type:	Surface	43-047-53872
Location:	UINTAH COUNTY	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

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

Burst:

Design factor 1.00

Cement top: Surface

Burst

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

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
Neutral point: 2,178 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,718 ft
Next mud weight: 10.000 ppg
Next setting BHP: 4,529 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 6, 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:	43047538720000 FD 5-17D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Intermediate	Project ID:	43-047-53872
Location:	UINTAH COUNTY		

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 5,434 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 7,352 psi

 No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on air weight.
 Neutral point: 7,428 ft

Environment:

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

Cement top: 2,560 ft

Directional Info - Build & Drop

Kick-off point: 2600 ft
 Departure at shoe: 456 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 0 °

Re subsequent strings:

Next setting depth: 12,656 ft
 Next mud weight: 12.500 ppg
 Next setting BHP: 8,218 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 8,718 ft
 Injection pressure: 8,718 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	8743	7	26.00	P-110	LT&C	8718	8743	6.151	90883
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	4529	6230	1.376	7352	9950	1.35	226.7	693	3.06 J

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

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

Date: August 5, 2013
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8718 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:	43047538720000 FD 5-17D-2-2		
Operator:	BILL BARRETT CORP		
String type:	Production Liner	Project ID:	43-047-53872
Location:	UINTAH COUNTY		

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 251 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft

Cement top: 8,543 ft

Burst

Max anticipated surface pressure: 5,434 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 8,218 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: 11,910 ft

Liner top:

8,543 ft

Directional well information:

Kick-off point: 2600 ft
 Departure at shoe: 456 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	4181	4.5	13.50	P-110	LT&C	12656	12681	3.795	23428
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	8218	10680	1.300	8218	12410	1.51	56.4	338	5.99 J

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

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

Date: August 6, 2013
 Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12656 ft, a mud weight of 12.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name FD 5-17D-2-2
API Number 43047538720000 **APD No** 8195 **Field/Unit** MOFFAT CANAL
Location: 1/4,1/4 SWNW **Sec** 17 **Tw** 2.0S **Rng** 2.0E 1550 FNL 500 FWL
GPS Coord (UTM) 601856 4463107 **Surface Owner** GLENN AND SHIRLEY HUBER

Participants

Kary Eldredge (Bill Barrett Corporation), Cody Rich (surveyor), Jim Burns (permit contractor), Jennifer Hall and Terra Miller (land contractors)

Regional/Local Setting & Topography

This proposed well site is just north and east of Gusher, Utah which is approximately midway between the larger towns of Vernal and Roosevelt, Utah. The terrain here is made up of small scattered hills and dry washes. The soil is mostly quite permeable sandy loam which supports sage brush and various desert grasses.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad Width 300 Length 400	Src Const Material	Surface Formation
0.45		Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

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

Soil Type and Characteristics

Sandy loam

Erosion Issues N

Highly erodible soil

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

permeable soil

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

Distance to Groundwater (feet)	>200	0
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		35 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
Evaluator6/26/2013
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
8195	43047538720000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	GLENN AND SHIRLEY HUBER	
Well Name	FD 5-17D-2-2		Unit		
Field	MOFFAT CANAL		Type of Work	DRILL	
Location	SWNW 17 2S 2E U 1550 FNL 500 FWL GPS Coord (UTM) 601907E 4462901N				

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 3,700'. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of Section 17. The wells range from 80 to 500 feet in depth with listed uses as domestic, irrigation and stock watering. The wells probably produce water from near-surface alluvium and the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up to or above the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

Brad Hill
APD Evaluator

7/3/2013
Date / Time

Surface Statement of Basis

This 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 along a swell effecting no drainages. 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. This appears to be a good site for placement of 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	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/17/2013

API NO. ASSIGNED: 43047538720000

WELL NAME: FD 5-17D-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNW 17 020S 020E

Permit Tech Review:

SURFACE: 1550 FNL 0500 FWL

Engineering Review:

BOTTOM: 1980 FNL 0660 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.31231

LONGITUDE: -109.80071

UTM SURF EASTINGS: 601907.00

NORTHINGS: 4462901.00

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:

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

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 131-135
- Effective Date: 11/20/2013
- Siting: *See Order
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
 10 - Cement Ground Water - hmadonald
 15 - Directional - dmason
 25 - Surface Casing - hmadonald



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 5-17D-2-2

API Well Number: 43047538720000

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 131-135. 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).

The 7" casing string cement shall be brought back to ±2000' to isolate base of moderately saline ground water as stated in submitted drill plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

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

well:

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:

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 5-17D-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538720000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 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: 6/1/2014	<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 WELL STATUS	<input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> WATER DISPOSAL <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 changing the surface casing size and set depth. Please contact Brady Riley with questions to the revisions.

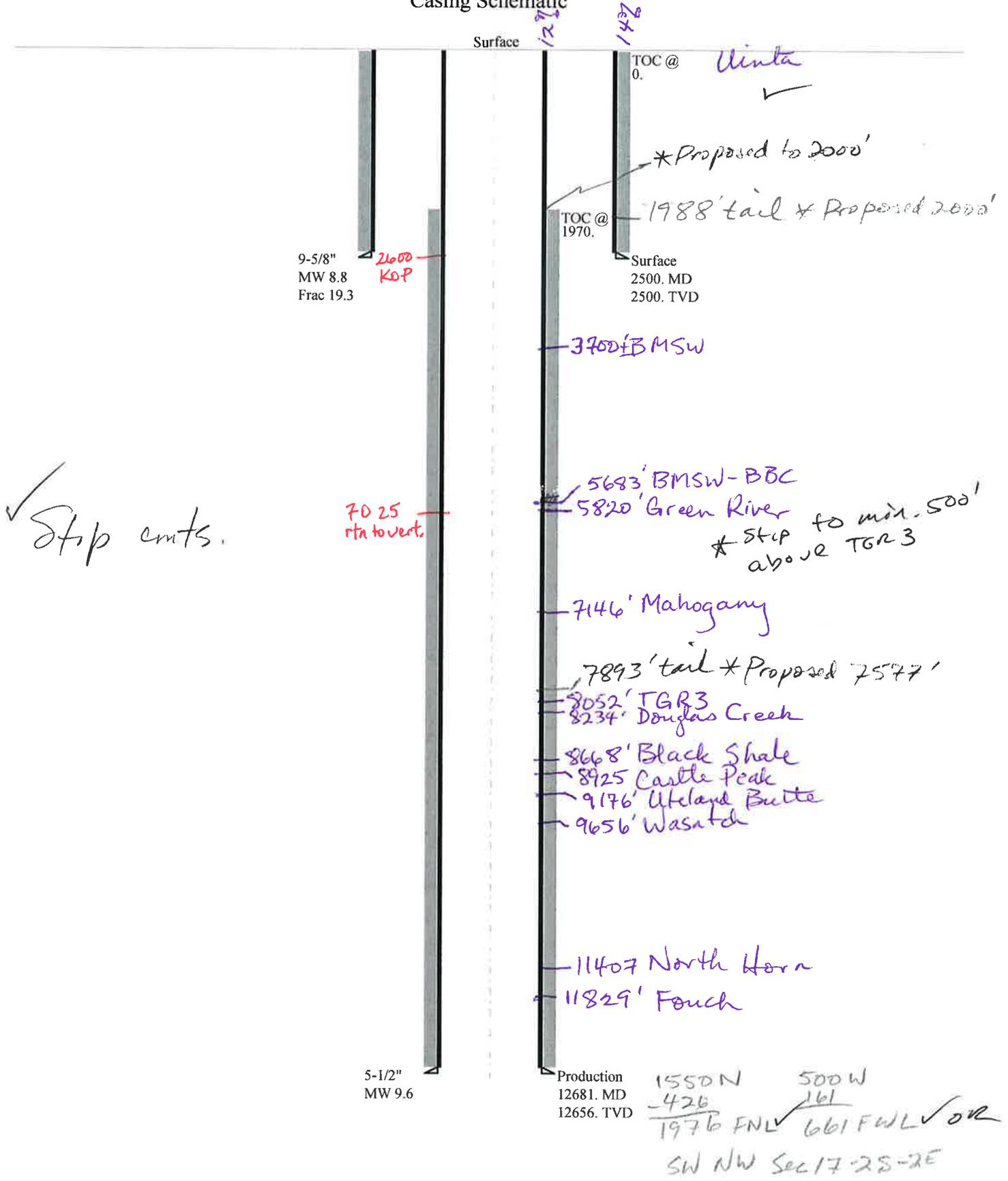
**Approved by the
 Utah Division of
 Oil, Gas and Mining
 June 17, 2014**

Date: _____
 By: Dr. K. Quist

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 5/29/2014	

43047538720000 FD 5-17D-2-2rev

Casing Schematic



Well name:	43047538720000 FD 5-17D-2-2rev		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-047-53872
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: 12,656 ft
 Next mud weight: 9.600 ppg
 Next setting BHP: 6,311 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	21729

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:	43047538720000 FD 5-17D-2-2rev		
Operator:	BILL BARRETT CORP		
String type:	Production	Project ID:	43-047-53872
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 9.600 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: 1,970 ft

Burst

Max anticipated surface pressure: 3,527 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,311 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: 10,839 ft

Directional well information:

Kick-off point 2600 ft
Departure at shoe: 456 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	12681	5.5	17.00	P-110	LT&C	12656	12681	4.767	83527
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	6311	7480	1.185	6311	10640	1.69	215.1	445	2.07 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 12656 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.

BOPE REVIEW Bill Barrett FD 5-17D-2-2rev API 43-047-53872-0000

INPUT

Well Name Bill Barrett FD 5-17D-2-2rev API 43-047-53872-0000

	String 1	String 2
Casing Size (")	9 5/8	5 1/2
Setting Depth (TVD)	2500	12656
Previous Shoe Setting Depth (TVD)	80	2500
Max Mud Weight (ppg)	8.8	9.6
BOPE Proposed (psi)	500	5000
Casing Internal Yield (psi)	3520	10640
Operators Max Anticipated Pressure (psi)	6317	9.6 ppg

Calculations

	String 1	String 2
Max BHP [psi]	.052*Setting Depth*MW = 1144	9 5/8 "
Max BHP (Gas) [psi]	Max BHP-(0.12*Setting Depth) = 844	BOPE Adequate For Drilling And Setting Casing at Depth?
Max BHP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) = 594	NO air/mist/spud mud, rotating head or diverter
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 612	NO
Required Casing/BOPE Test Pressure	2484 psi	
*Max Pressure Allowed @ Previous Casing Shoe =	80 psi	*Assumes 1psi/ft frac gradient

Calculations

	String 2	String 1
Max BHP [psi]	.052*Setting Depth*MW = 6318	5 1/2 "
Max BHP (Gas) [psi]	Max BHP-(0.12*Setting Depth) = 4799	BOPE Adequate For Drilling And Setting Casing at Depth?
Max BHP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) = 3534	YES 5M ram type, 5M annular
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 4084	YES
Required Casing/BOPE Test Pressure	5000 psi	*Can Full Expected Pressure Be Held At Previous Shoe?
*Max Pressure Allowed @ Previous Casing Shoe =	2500 psi	NO
		*Assumes 1psi/ft frac gradient

BILL BARRETT CORPORATION
DRILLING PLAN REVISED

FD 5-17D-2-2

SWNW, 1550' FNL and 500' FWL, Section 17, T2S-R2E, USB&M (surface hole)
 SWNW, 1980' FNL and 660' FWL, Section 17, 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	5,839'	5,820'
Mahogany	7,171'	7,146'
TGR3*	8,077'	8,052'
Douglas Creek	8,259'	8,234'
Black Shale	8,693'	8,668'
Castle Peak	8,950'	8,925'
Uteland Butte	9,201'	9,176'
Wasatch*	9,681'	9,656'
TD	12,681'	12,656'

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

Base of Useable Water = 5683'

3. BOP and Pressure Containment Data

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

4. Casing Program

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

Bill Barrett Corporation
 Drilling Program
 FD 5-17D-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: 920 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 2000' Tail: 1370 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 @ 7577'

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 6317 psi* and maximum anticipated surface pressure equals approximately 3533 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 5-17D-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: June 2014
Spud: June 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 5-17D-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:	12,681'
Top of Cement:	2,000'
Top of Tail:	7,577'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	2113.1	ft ³
Lead Fill:	5,577'	
Tail Volume:	1934.0	ft ³
Tail Fill:	5,104'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	920
# SK's Tail:	1370

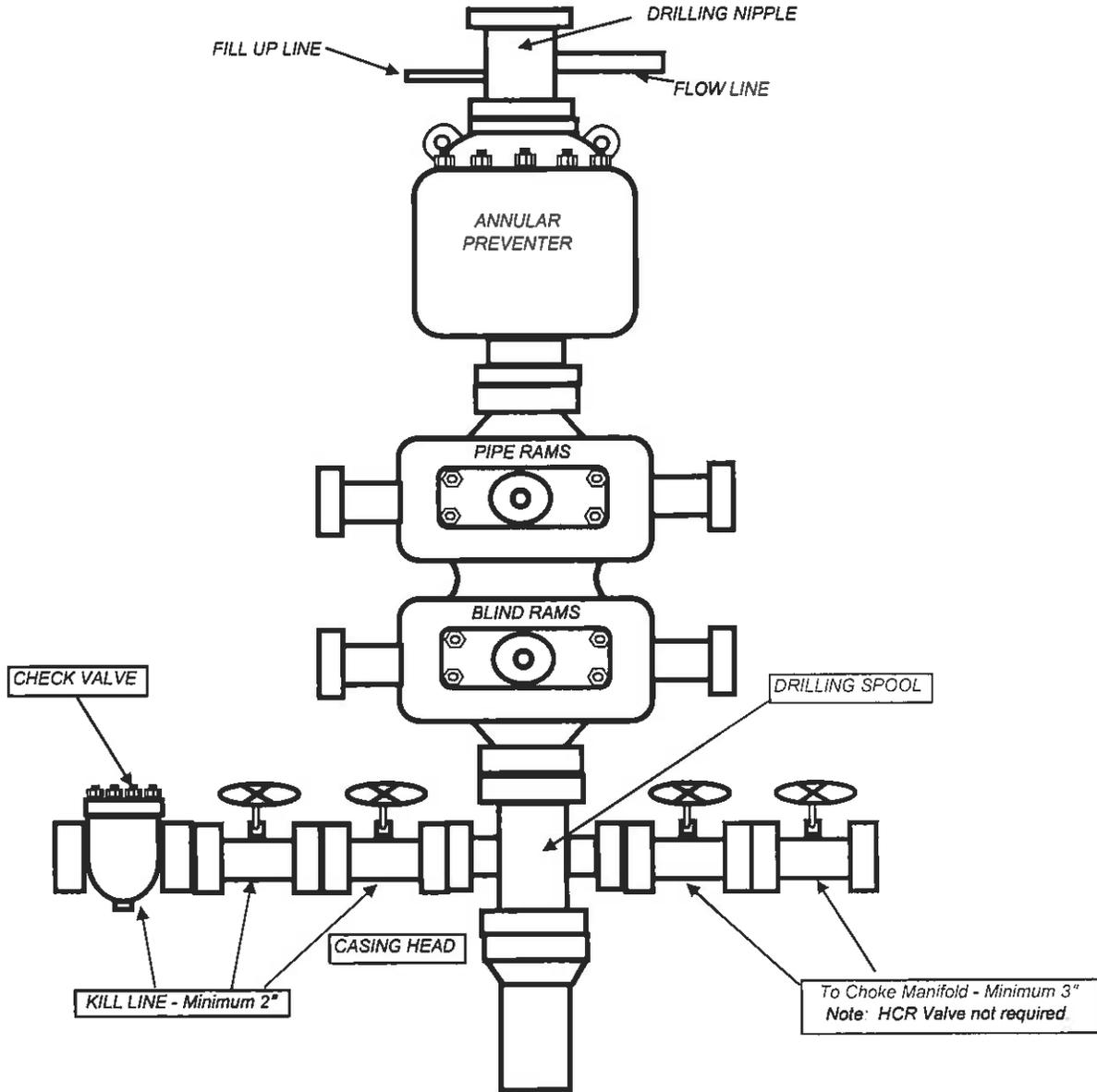
FD 5-17D-2-2 REVISED Proposed Cementing Program
--

<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 - (7577' - 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: 5,577'
	Volume: 376.33 bbl
	Proposed Sacks: 920 sks
Tail Cement - (12681' - 7577')	
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: 7,577'
	Calculated Fill: 5,104'
	Volume: 344.44 bbl
	Proposed Sacks: 1370 sks

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 5-17D-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538720000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 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: 8/29/2014	<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.

This well was spud on 8/29/14 at 8:00 am by Triple A Drilling, Rig Number TA 4037, Type Soilmec SR/30.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 29, 2014**

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 8/29/2014	

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:
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 5-17D-2-2
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538720000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 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.

No monthly drilling to report, well spud on 8/29/2014

**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	

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted

By Ricky Kuhr Phone Number 303-353-5374

Well Name/Number FD 5-17D-2-2

Qtr/Qtr SW/NW Section 18 Township 2S Range 2E

Lease Serial Number _____

API Number 43047538720000

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 9/6/2014 900 AM PM

BOPE

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

Date/Time 9/6/14 600 AM PM

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

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted
By Ricky kuhr Phone Number 303-353-5374
Well Name/Number FD 5-17D-2-2
Qtr/Qtr NE/NE Section 18 Township 2S Range 2E
Lease Serial Number FEF
API Number 43-047-538782

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 9/16/2014 2200 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:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD 5-17D-2-2	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538720000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 Township: 02.0S Range: 02.0E Meridian: U		9. FIELD and POOL or WILDCAT: MOFFAT CANAL	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Attached is the September 2014 Drilling Activity for this well.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 03, 2014			
NAME (PLEASE PRINT) Christina Hirtler		PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 10/2/2014	

**FD 05-17D-2-2 9/5/2014 12:00 - 9/6/2014 06:00**

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	6.00	18:00	1	RIGUP & TEARDOWN	MOVE RIG F/ FD 1-18D-2-2 TO THE 5-17D-2-2
18:00	7.00	01:00	1	RIGUP & TEARDOWN	RIG UP CONDUCTOR, FLOW LINE, FILL PITS, RIG UP FLOOR FOR DRILLING, RIG ON DAY WORK @ 1:00 AM
01:00	1.50	02:30	21	OPEN	LAY OUT B.H.A AND STRAP
02:30	1.50	04:00	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS
04:00	1.00	05:00	2	DRILL ACTUAL	STEERABLE DRILLING F/ 90'-94'
05:00	1.00	06:00	21	OPEN	SHUT DOWN TO FIX LEAKING FLOW LINE

FD 05-17D-2-2 9/6/2014 06:00 - 9/7/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	7	LUBRICATE RIG	RIG SERVICE FINISH FIXING FLOW LINE AIR BOOT
06:30	23.00	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 94'-1990' (1896') 85' FPH AVG GPM= 639 TOPDRIVE RPM=50 MOTOR RPM=108 TOTAL RPM=148 WT ON BIT=20K OFF BOTTOM PRESSURE=1169 PSI DIFF BTM 1402 PRESS=150-300PSI TQ=4.5K
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

FD 05-17D-2-2 9/7/2014 06:00 - 9/8/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 1990'-2480' (490') 75' FPH AVG GPM= 639 TOPDRIVE RPM=50 MOTOR RPM=108 TOTAL RPM=148 WT ON BIT=20K OFF BOTTOM PRESSURE=1169 PSI DIFF BTM 1402 PRESS=150-300PSI TQ=4.5K
12:30	0.50	13:00	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND TO CLEAN HOLE
13:00	4.00	17:00	6	TRIPS	SHORT TRIP TO 6" AND BACK TO BOTTOM
17:00	0.50	17:30	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	3.00	21:00	12	RUN CASING & CEMENT	LAY DOWN DRILL PIPE FOR CASING RUN
21:00	1.50	22:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS
22:30	1.00	23:30	21	OPEN	PREP FLOOR AND TOP DRIVE FOR 9 5/8 CASING RUN LEVEL TOP DRIVE AND DERRICK
23:30	6.50	06:00	12	RUN CASING & CEMENT	RUN 9 5/8 36# J-55 ST&C CASING AS FOLLOWS 1 SHOE, 1 CASING, 1 FLOAT, 61 JOINTS OF CASING BLM NOTICE SENT OUT ON 9-6-2014 10:00 AM

FD 05-17D-2-2 9/8/2014 06:00 - 9/9/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	CIRCULATE MUD WORK PIPE
07:00	2.50	09:30	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 20 BBLS FRESH WATER 40 BBLS SUPER FLUSH @ 10 PPG 20 BBLS WATER 225 BBLS LEAD CEMENT 400 SKS @ 11 PPG YP 3.16 GAL/SK 19.43 60 BBLS TAIL CEMENT 245 SKS @ 14.8 PPG YP 1.32 GAL/SK 6.62 SHUT DOWN WASH UP LINES DROP PLUG DISPLACE WITH 78 BBLS FRESH WATER FINAL LIFT PRESURE 637 PSI BUMP THE PLUG @ 1200 PSI FLOATS HELD
09:30	1.00	10:30	12	RUN CASING & CEMENT	RIG DOWN CEMENT HEAD AND RIG UP 100' OF 1" FOR TOP JOB
10:30	0.50	11:00	12	RUN CASING & CEMENT	TOP OUT 10 BBLS 15.8 PPG YEILD 1.21 50 SKS CEMENT DOWN BACK SIDE CEMENT DIDNT DROP IN HOLE RELEASE HES
11:00	2.00	13:00	13	WAIT ON CEMENT	WAIT FOR CEMENT TO SET UP
13:00	2.50	15:30	12	RUN CASING & CEMENT	CUT OFF 9 5/8 CASING AND WELD ON 11" 5M X 9-5/8" SOW CASING HEAD.
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	4.50	20:30	14	NIPPLE UP B.O.P	N/U B.O.Ps

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
20:30	4.50	01:00	15	TEST B.O.P	HOLD S/M RIG UP TEST B.O.PS WITH B&C QUICK TEST RIG DOWN TESTER TEST B.O.Ps TEST 5000 HIGH F/10 MINS LOWER AND UPPER KELLY VALVE F.O.S.V AND DART VALVE PIPE RAMS INSIDE VALVES HCR, KILL LINE CHOKE LINE, CHECK VALVE INSIDE MANIFOLD VALVES BLIND RAMS SUPER CHOKE TEST 2500 PSI HIGH ANNULAR TEST SURFACE CASING TO 1500 PSI FOR 30 MINS BLM & UDOGM NOTICE WAS SENT OUT 9-6-2014 10:00 AM
01:00	0.50	01:30	21	OPEN	INSTALL WARE BUSHING
01:30	2.50	04:00	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS REAMERS AND MAKE UP BIT TRIP IN B.H.A
04:00	1.00	05:00	21	OPEN	SLIP AND CUT 60 FEET
05:00	1.00	06:00	6	TRIPS	TRIP IN THE HOLE

FD 05-17D-2-2 9/9/2014 06:00 - 9/10/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	6	TRIPS	TRIP IN HOLE TAG CEMENT @ 2430'
07:00	1.00	08:00	2	DRILL ACTUAL	DRILL OUT CEMENT FLOAT AND SHOE 20' NEW HOLE
08:00	0.50	08:30	21	OPEN	SPOT LCM PILL PICK UP IN CASING PERFORM FIT TEST @ 286 PSI 10.5 PPG MUD WEIGHT
08:30	9.00	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 2500-3347' (847') 98' FPH AVG GPM=500 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=23K OFF BOTTOM PRESSURE=1000 PSI DIFF PRESS=150-300PSI TQ=4-6K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	1.50	19:30	5	COND MUD & CIRC	BACK REAM CONNECTION STICKY AND TIGHT HOLE TRIED TO PACK OFF CIRCULATE & WORK PIPE STICKY HOLE BIT BAWLED WORK HOLE FREE AND CLEAN UP BIT PUMP WALNUT, MICA & DRILLING SOAP SWEEPS DOWN HOLE (GEO SAMPLES CLAY)
19:30	1.50	21:00	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 3347'-3400' (53') 50' FPH AVG GPM=550 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=23K OFF BOTTOM PRESSURE=1000 PSI DIFF PRESS=150-300PSI TQ=4-6K
21:00	4.50	01:30	6	TRIPS	SHORT TRIP TRIP OUT OF THE HOLE DUE TO LOW ROP AND BIT BALLING TO LAY DOWN REAMERS AND CHANGE BIT & MUD MOTOR (bit Extremely bawled up)
01:30	0.50	02:00	7	LUBRICATE RIG	RIG SERVICE
02:00	1.00	03:00	20	DIRECTIONAL WORK	DIRECTIONAL WORK RE SCRIBE
03:00	3.00	06:00	6	TRIPS	TRIP IN THE HOLE

FD 05-17D-2-2 9/10/2014 06:00 - 9/11/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	6	TRIPS	TRIP IN THE HOLE
07:00	9.50	16:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 3400'-4367' (967') 107' FPH AVG GPM=550 TOPDRIVE RPM=45 MOTOR RPM=94 TOTAL RPM=138 WT ON BIT=21K OFF BOTTOM PRESSURE=1000 PSI DIFF PRESS=150-300PSI TQ=4-6K (DAY LIGHT B.O.P DRILL 1 MIN @ 17:30)
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	12.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 4367'-5397' (1030') 90' FPH AVG GPM=550 TOPDRIVE RPM=45 MOTOR RPM=94 TOTAL RPM=138 WT ON BIT=21K OFF BOTTOM PRESSURE=2030 PSI DIFF PRESS=150-300PSI TQ=4-6K (MORNING TOUR B.O.P DRILL 1 MIN @ 530)
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE GREASED SWIVEL

FD 05-17D-2-2 9/11/2014 06:00 - 9/12/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 5397'-5746' (349') 31' FPH AVG GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=22K OFF BOTTOM PRESSURE=2130 PSI DIFF PRESS=150-300PSI TQ=4-6K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 5746'-6096' (350') 32' FPH AVG GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=22K OFF BOTTOM PRESSURE=2130 PSI DIFF PRESS=150-300PSI TQ=4-6K
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

FD 05-17D-2-2 9/12/2014 06:00 - 9/13/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 6096'-6355' (259') 26' FPH AVG GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=22K OFF BOTTOM PRESSURE=1680 PSI DIFF PRESS=150-300PSI TQ=4-6K AVG DRILLING 45 FPH SLIDING 20 FPH
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 6355'-6691' (336') 45' FPH AVG DRILLING 20 FPH AVG SLIDING GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=22K OFF BOTTOM PRESSURE=1700 PSI DIFF PRESS=150-300PSI TQ=4-6K
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

FD 05-17D-2-2 9/13/2014 06:00 - 9/14/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 6691'-7042' (351') 50' FPH AVG DRILLING 30 FPH AVG SLIDING GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1750 PSI DIFF PRESS=150-300PSI TQ=4-6K SLIDE TIME 4.05 HOURS 85 FEET
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 7042'-7514' (472') 50' FPH AVG DRILLING 35 FPH AVG SLIDING GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K SLIDE TIME 3.55 HOURS 90 FEET
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

FD 05-17D-2-2 9/14/2014 06:00 - 9/15/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 7514'-7603' (89') 42' FPH AVG GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K
08:30	1.00	09:30	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND
09:30	6.00	15:30	6	TRIPS	TRIP OUT OF THE HOLE TIHGT HOLE FROM 6312'-6042'
15:30	1.00	16:30	20	DIRECTIONAL WORK	CHANGE OUT MUD MOTOR AND BIT RE SCRIBE MWD TOOL (RE RUN BIT SMITH BIT #2)
16:30	4.50	21:00	6	TRIPS	TRIP IN HOLE
21:00	1.00	22:00			WASH AND REAM TIGHT SPOT F/ 6045'-6312' TIGHT AND TORQUEY
22:00	1.50	23:30	6	TRIPS	TRIP IN THE HOLE
23:30	6.00	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 7603'-7857' (254') 43' FPH AVG GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

FD 05-17D-2-2 9/15/2014 06:00 - 9/16/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 7857'-8675' (818') 70' FPH AVG GPM=446 TOPDRIVE RPM=45 MOTOR RPM=71 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=2304 PSI DIFF PRESS=150-300PSI TQ=4-6K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	12.00	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 8675-9259' (584') 48' FPH AVG GPM=428 TOPDRIVE RPM=45 MOTOR RPM=68 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1903 PSI DIFF PRESS=150-300PSI TQ=4-6K

FD 05-17D-2-2 9/16/2014 06:00 - 9/17/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 9259'-9572' (315') 28' FPH AVG GPM=428 TOPDRIVE RPM=45 MOTOR RPM=68 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1903 PSI DIFF PRESS=150-300PSI TQ=4-6K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	4.50	22:30	2	DRILL ACTUAL	STEERABLE DRILLING 8 3/4 PRODUCTION F/ 9572'-9662' (91') 21' FPH AVG GPM=428 TOPDRIVE RPM=45 MOTOR RPM=68 TOTAL RPM=116 WT ON BIT=27K OFF BOTTOM PRESSURE=1903 PSI DIFF PRESS=150-300PSI TQ=4-6K
22:30	1.50	00:00	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND
00:00	4.00	04:00	6	TRIPS	SHORT TRIP TO 7600 AND BACK TO BOTTOM
04:00	1.50	05:30	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP
05:30	0.50	06:00	6	TRIPS	TRIP OUT OF THE HOLE FOR CASING

FD 05-17D-2-2 9/17/2014 06:00 - 9/18/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	6	TRIPS	Toh.
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service.
13:00	2.50	15:30	8	REPAIR RIG	Replace boom cylinder
15:30	2.50	18:00	6	TRIPS	Finish toh, LD dir tools.
18:00	1.00	19:00	21	OPEN	Pull wear bushing, prep to run csg.
19:00	11.00	06:00	12	RUN CASING & CEMENT	Run 5 1/2", P-110, 17#, LT&C csg as follows: Flt shoe, 2 jts csg, flt collar, 20 jts csag, MJ @ 8660', 14 jts csg, MJ @ 8023', 181 jts csg(217 total).

FD 05-17D-2-2 9/18/2014 06:00 - 9/19/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Finish running csg. PU jt 218, tag bottom.
07:00	2.50	09:30	5	COND MUD & CIRC	C&C f/cement, reciprocate pipe. RU HES.
09:30	5.00	14:30	12	RUN CASING & CEMENT	HSM. Cement prod csg as follows: Test lines to 5000 psi. Pump 30 bbl Tuned spacer @ 10.2 ppg, 20 bbls H2O spacer, 30 bbl super flush @ 10 ppg, 2.34 yld, 10.1 gps h2o. Mix and pump 810 sx (338 bbls) tuned lite lead @ 11 ppg, 1.45 yld, 6.91 gps h2o. Tail in with 1055 sx (272 bbls) Expandacem @ 13.5 ppg, 1.45 yld, 6.91 gps h2o. Wash up to pit, drop plug, displace with 222 bbls Cla-web/Aldicide @ 8.34 ppg. Max pressure 1890 psi, bump plug to 2297 psi. Bled back 1.5 bbls, floats held. Full returns until 120 bbls into displacement lost returns. Slowed rate to 2 bpm. No cmt to surface. R/D HES.
14:30	0.50	15:00	21	OPEN	Set and test packoff.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	3.00	18:00	14	NIPPLE UP B.O.P	NDBOP, clean pits. Release rig @ 18:00. Prepare to move rig 13.5 miles to Aurora 2-12 -7-19.

FD 05-17D-2-2 9/20/2014 06:00 - 9/21/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	IWHD	Install Wellhead	Fabrizio Trucking cleaned cellar. Cameron ND 11-1/16 3M night cap. Prep hanger mandrel. NU 11-1/16 3M x 7-1/16 5M x 2-1/16 5M tubing head. Test void. Good test. NU 7-1/16 5M night cap. Drilling rig is 100% off location.

FD 05-17D-2-2 9/27/2014 06:00 - 9/28/2014 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-53872	UT	Uintah	Fort Duchesne	COMPLETION	9,662.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	CTUW	W/L Operation	MIRU HLS. W/O lightning storm. Run 4.464 GR/JB, and tag corrected PBTD @ 9498'. Float collar @ 9564'. Pulled RMTE/RCBT logs in combo. From 9490' - 40', with no psi. 9490' - 6300' Very good bond indicated. 6300' - 4690' Poor bond indicated, 4690' - 3280' Very poor bond w/ occasional stringers. Cement top @ 3280'. RMTE log was stopped @ 3000'. BHT @ 194'. RDMO.

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 5-17D-2-2	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047538720000	
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: MOFFAT CANAL	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 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: 10/16/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
THIS WELL HAD FIRST PRODUCTION AND FIRST GAS SALES ON 10/16/2014			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 22, 2014			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 10/16/2014	

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 5-17D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538720000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 Township: 02.0S Range: 02.0E Meridian: U	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2014	<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.

October 2014 monthly drilling activity report is attached

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 November 04, 2014**

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 11/4/2014	

**FD 05-17D-2-2 10/2/2014 06:00 - 10/3/2014 06:00**

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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	Berm production equipment. Blade location, and haul in road base. Had to gravel 3/4 of location, to enable truck traffic on location.

FD 05-17D-2-2 10/6/2014 06:00 - 10/7/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI WITH METHANOL, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL.

FD 05-17D-2-2 10/11/2014 06:00 - 10/12/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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	HEAT FRAC LINE TO 70 DEGREES.

FD 05-17D-2-2 10/12/2014 06:00 - 10/13/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	1.00	10:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
06:00	3.00	09:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 60 PSI. RIH AND CORRELATE TO SJ AT 8000'-8019' & 8635'-8657'. RUN DOWN AND PERF UTELAND BUTTE FORM 9147'-9422' WITH 51 HOLES IN 17' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL. (MISRUN POOH FOUND LOOSE PORT PLUG BETWEEN GUN 11 & 12 WATER IN GUN. RIH WITH 6 GUNS FINISH PERFIN. POOH 1 SHOT OUT OF 3 WENT OFF ON BTM GUN PERFS 9213'-9214' IS 1 SHOT PER FOOT) ALL OTHER PERFS WAS TO DESIGN. WIRELINE SAID THAT THE PRIMER CORD MUST HAVE BEEN WET FROM PREVIOUS MISRUN TO CAUSE IT TO ONLY SHOOT 1 OUT OF 3 SHOTS.
10:00	1.00	11:00	SRIG	Rig Up/Down	MIRU CUTTERS WITH 5" 10K LUBE AND EQUIP.
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 05-17D-2-2 10/13/2014 06:00 - 10/14/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	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. PROTECHNICS TIED IN TO PUMPS.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	2.67	09:40	FRAC	Frac. Job	<p>FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 215 PSI AT 7:15 AM BREAK DOWN 3713 PSI AT 8.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 102 BIO BALLS FOR DIVERSION. 11.3 BPM AT 2880 PSI. FLUSH W/ 8931 GAL. 32 BPM AT 3800 PSI. BALL OUT, SHUT DOWN PMP. SURGE 3X. BRING RATE UP TO 35 BPM LET RATE AND PSI LINE OUT MAKE 4 DROPS IN RATE TO 0. WATCH WELL PSI FOR 45 MINS.</p> <p>STAGE FR PAD. STABLE RATE OF 35.5 BPM AT 4291 PSI. ISDP 2955 . FG .76. PERFS OPEN 17/49</p> <p>ISIP 3335 , FG .79, MR 70.8 BPM, AR 60.4 BPM, MP 6159 PSI, AP 5033 PSI 100 MESH 8,000 LBS 0.75PPG 30/50 WHITE 80,000 lbs 0.5-1.5 & 1.5-2.0 ppg SLK WTR 3187 BBL, BTR 3554 BBLs.</p> <p>STAGE SCORE 9.5</p> <p>SHUT IN AND TURN OVER TO CUTTERS</p>
09:40	1.34	11:00	PFRT	Perforating	<p>PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 3100 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8000'-8019' & 8635'-8657'. RUN DOWN AND SET 5-1/2" CBP AT 9117' WITH 3000 PSI. PULL UP AND PERF CASTLE PEAK/BSF FORM 8779'-9097' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2395 PSI.</p> <p>TURN WELL OVER TO HES.</p>
11:00	3.00	14:00	FRAC	Frac. Job	<p>FRAC STG 2 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 2400 PSI AT 11:05 AM BREAK DOWN 5741 PSI AT 10 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 3250 PSI. FLUSH W/ 8572 GAL. 29.3 BPM AT 4280 PSI. BALL OUT, SHUT DOWN PMP. SURGE 3X. BRING RATE UP TO 35 BPM LET RATE AND PSI LINE OUT MAKE 4 DROPS IN RATE TO 0. WATCH WELL PSI FOR 45 MINS.</p> <p>STAGE FR PAD. STABLE RATE OF 34.2 BPM AT 4173 PSI. ISDP 3155 . FG .79. PERFS OPEN 22/45</p> <p>ISIP 3455 , FG .82, MR 70.3 BPM, AR 57.9 BPM, MP 5984 PSI, AP 5281 PSI 100 MESH 8,000 LBS 0.75PPG 30/50 WHITE 73,600 lbs 0.5-1.5 & 1.5-2.0 ppg SLK WTR 5187 BBL, BTR 5487 BBLs.</p> <p>STAGE SCORE 9.5.</p> <p>SHUT IN AND TURN OVER TO CUTTERS</p>
14:00	1.50	15:30	PFRT	Perforating	<p>PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 2800 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8000'-8019'. RUN DOWN AND SET 5-1/2" CBP AT 8750' WITH 3150 PSI. PULL UP AND PERF DOUGLAS CREEK/3PT FORM 8305'-8724' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2850 PSI. TURN WELL OVER TO HES.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:30	1.50	17:00	FRAC	Frac. Job	<p>FRAC STG 3 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 2818 PSI AT 15:40 BREAK DOWN 3318 PSI AT 10.1 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT PSI. FLUSH W/ 8109 GAL. BPM AT PSI. BALL OUT, SHUT DOWN PMP. SURGE 3X. BRING RATE UP TO 35 BPM LET RATE AND PSI LINE OUT MAKE 4 DROPS IN RATE TO 0. WATCH WELL PSI FOR 45 MINS.</p> <p>STAGE FR PAD. STABLE RATE OF 35.2 BPM AT 3828 PSI. ISDP 3056 . FG .79. PERFS OPEN 24/51</p> <p>SDFN</p> <p>DENVER IS GOING TO DECIDE WHAT TYPE OF FLUID SYSTEM THEY WANT TO USE TO FINISH FRAC STG 3 & 4 BASED OFF THE STEP RATE TEST FOR STG 3.</p> <p>STAGE SCORE 10.</p> <p>SDFN LOCK & SECURE WELL</p>
17:00	1.00	18:00	CTRL	Crew Travel	CREW TRAVEL
18:00	11.99	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL

FD 05-17D-2-2 10/14/2014 06:00 - 10/15/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	Primary Job Type Drilling & Completion
---------------------	----------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	SMTG	Safety Meeting	AOL 05:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS. PROTECHNICS TIED IN TO PUMPS.
07:00	1.42	08:25	FRAC	Frac. Job	<p>FRAC STG 3 PRESSURE TEST LINES TO 9200 PSI. OPEN WELL W/ 2792 PSI AT 7:05 AM BREAK DOWN 5663 PSI AT 70 BPM.</p> <p>ACID BALL OUT AND STEP RATE TEST WAS DONE ON 10/13/14. RESUMED STG 3 ON FR PAD THIS MORNING.</p> <p>ISIP 3348 , FG .83, MR 70.5 BPM, AR 68.4 BPM, MP 7983 PSI, AP 5375 PSI 100 MESH 8,000 LBS 0.75PPG 30/50 WHITE 105,450 lbs 0.5-1.2 & 0.5-1.25 ppg SLK WTR 4802 BBL, BTR 5086 BBLs.</p> <p>STAGE SCORE 9.5</p> <p>SHUT IN AND TURN OVER TO CUTTERS</p>
08:25	1.08	09:30	PFRT	Perforating	<p>PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 3150 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8000'-8019'. RUN DOWN AND SET 5-1/2" CBP AT 8290' WITH 3100 PSI. PULL UP AND PERF TGR3 FORM 8154'-8264' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1875 PSI.</p> <p>TURN WELL OVER TO HES.</p>



Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
09:30	3.00	12:30	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 9350 PSI. OPEN WELL W/ 1975 PSI AT 9:45 AM BREAK DOWN 2389 PSI AT 10 BPM. PMP 3900 GAL 15% HCL ACID W/156 BIO BALLS FOR DIVERSION. BPM AT PSI. FLUSH W/ 7962 GAL. 30.3 BPM AT 2990 PSI. BALL OUT, SHUT DOWN PMP. SURGE 3X. BRING RATE UP TO 35 BPM LET RATE AND PSI LINE OUT MAKE 4 DROPS IN RATE TO 0. WATCH WELL PSI FOR 45 MINS. STAGE FR PAD. STABLE RATE OF 34.4 BPM AT 3451 PSI. ISDP 2834 . FG .78. PERFS OPEN 27/78 ISIP 2727 , FG .77, MR 70.9 BPM, AR 70.8 BPM, MP 4536 PSI, AP 3866 PSI 100 MESH 8,000 LBS 0.75PPG 30/50 WHITE 134,575 lbs 0.5-1.7 ppg SLK WTR 4546 BBL, BTR 4862 BBLs. STAGE SCORE 10. HES RIGGED DOWN CANDY CANES OFF OF FRAC TREE. SHUT IN AND TURN OVER TO CUTTERS	
12:30	1.00	13:30	PFRT	Perforating	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 2470 PSI. RIH AND CORRELATE TO SHORT JT 8000'-8019'. SET KILL PLUG AT 8120' WITH 2350 PSI. BLEED OFF AS POOH.	
13:30	2.00	15:30	SRIG	Rig Up/Down	RDMO CUTTERS & HES FRAC FLEET	
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL	

FD 05-17D-2-2 10/15/2014 06:00 - 10/16/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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	1.00	08:00	SRIG	Rig Up/Down	ROAD RIG TO LOCATION. RUSU.	
08:00	1.00	09:00	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU 7" 5K BOP AND 7" 5K HYDRIL. RU FLOOR.	
09:00	2.50	11:30	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD AND PREP 302-JTS 2-7/8" L-80 TBG.	
11:30	4.50	16:00	RUTB	Run Tubing	MU 4-3/4" BIT, POBS, 1-JT, 2.31 XN NIPPLE. RIH AS MEAS AND PU TBG	
16:00	1.00	17:00	PTST	Pressure Test	RU PWR SWIVEL. FILL TBG. PRES TEST TO 2500 PSI. GOOD	
17:00	1.50	18:30	DOPG	Drill Out Plugs	EST CIRC. PUMP 2 BPM. RET 2 BPM CHOKE 17/64", 1600 PSI BACK PRESSURE. D/O PLUGS CBP #1 AT 8120'. 0' FILL. D/O IN 15 MIN. FCP 2000 PSI ON 17/64". RIH. CBP #2 AT 8290'. 20' FILL. D/O IN 20 MIN. FCP 2000 PSI ON 15/64" . RUN 1-JT. 262-JTS IN, EOT AT 8369'. FLOW CLEAN. TURN OVER TO FBC AND PRODUCTION FOR NIGHT.	
18:30	11.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO FB CREW AND TREATER OVERNIGHT.	

FD 05-17D-2-2 10/16/2014 06:00 - 10/17/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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 14/64" CHOKE. NO OILD. TURN BACK TO FB TANK.	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	4.50	11:30	DOPG	Drill Out Plugs	CONT RIH TO TAG. PU PWR SWIVEL. EST CIRC. D/O PLUGS. PMP 1 BPM. RET 2 BPM. CBP #3 AT 8750'. 25' FILL. D/O IN 15 MIN. FCP 1500 PSI ON 15/64" CHOKE. RIH CBP #4 AT 9117'. 20' FILL. D/O IN 20 MIN. FCP 1500 PSI O 15/64" CHOKE. RIH C/O 90' FILL TO FC AT 9564'. D/O 43' CMT TO 9607' (185' RATHOLE). CIRC CLEAN. RD PWR SWIVEL.
11:30	1.50	13:00	PULT	Pull Tubing	POOH AS LD 49-JTS TBG. PU 7" HANGER. LUBE IN AND LAND HANGER. TBG DETAIL KB 13.00 HANGER .85 252-JTS 2-7/8" L-80 8010.53 2.31 XN NIPPLE 1.25 1-JT 2-7/8" L-80 31.80 POBS .91 EOT AT 8058.34'
13:00	1.00	14:00	BOPR	Remove BOP's	RD FLOOR. ND HYDRIL AND BOP. NU WH. PLUMB IN WH. POBS AT 3500 PSI. SITP 1850 PSI, SICP 1850 PSI. TURN OVER TO FB CREW AND PRODUCTION. FTP 1800 PSI ON 14/64' CHOKE.
14:00	1.00	15:00	SRIG	Rig Up/Down	RDSU. RACK OUT EQUIP. MOVE OFF.
15:00	15.00	06:00	FBCK	Flowback Well	WELL FLOWING TO PRODUCTION.

FD 05-17D-2-2 10/27/2014 06:00 - 10/28/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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 to location. Service, and start rig. Safety meeting. Fill out JSA.
07:00	1.00	08:00	RMOV	Rig Move	MIRU rig, and equipment.
08:00	2.00	10:00	SRIG	Rig Up/Down	RU rig, and prep BOPE. Wait on hotoil truck.
10:00	1.50	11:30	PUMP	Pump Test	Try to flush tubing. Tubing psi up to 900#. Would not circulate up casing. Flush casing with 200 bbls fluid.
11:30	1.00	12:30	SRIG	Rig Up/Down	ND production head. NU BOPE stack. RU work floor, and tubing equipment.
12:30	2.00	14:30	PULT	Pull Tubing	RU 3 jts. TOO H w/ 255 jts, XN, 1 jt, and POBS.
14:30	2.00	16:30	RUTB	Run Tubing	TIH with production string as follows;; K.B. 13' Hanger 0.85' 248 jts of 2-7/8 tubing 7883.17' 2-7/8 8rd TAC 2.75' @ 7899.77' 3 jts 2-7/8 tubing 95.36' PSN 1.10' @ 7996.23' 4' 2-7/8 pup 4.12' Desander 17.12' 5 jts 2-7/8 tubing 158.93' Bull plug 0.75' @ 8177.5
16:30	1.00	17:30	SRIG	Rig Up/Down	Set TAC w/ 20000# tension. RD tubing equipment, and work floor. ND BOPE stack. Land hanger. NU production head. Prep to run rods.
17:30	1.00	18:30	CTRL	Crew Travel	Crew travel to yard.
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	Casing is open to sales.

FD 05-17D-2-2 10/28/2014 06:00 - 10/29/2014 06:00

API 43-047-53872	State/Province UT	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,662.0	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 to location. Service, and start rig. Safety meeting. Fill out JSA. Flush tubing with 70 bbls fluid.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	4.50	11:30	RURP	Run Rods & Pump	Prime pump. Single in hole with pump/rods. Seat, and space out. Rod string is as follows: 1-1/2" x 30' polish rod 2', 8', 1" ponies 97- 1" 4 per "D" rods 79- 7/8" 4 per "D" rods 109- 3/4" 4 per "D" rods 32- 1" 4 per "D" rods Shear coupling 2.5-1.75-RHBC-20-5-21-24' pump
11:30	1.50	13:00	SRIG	Rig Up/Down	Load hole with 1 bbl. Stroke test to 800#, with 5 strokes. Hang horse's head, and hang well on.
13:00	2.50	15:30	SRIG	Rig Up/Down	RD rig, and package. Move to 9-10-3-2. Maintenance.
15:30	1.00	16:30	CTRL	Crew Travel	Crew travel to yard.
16:30	13.50	06:00	GOP	General Operations	Well is on production.

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		8. WELL NAME and NUMBER: FD 5-17D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43047538720000
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: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 Township: 02.0S Range: 02.0E Meridian: U		COUNTY: UINTAH
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/5/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="SSD"/>

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

ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM/SITE SECURITY.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 10, 2014**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 11/5/2014	

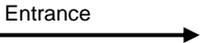
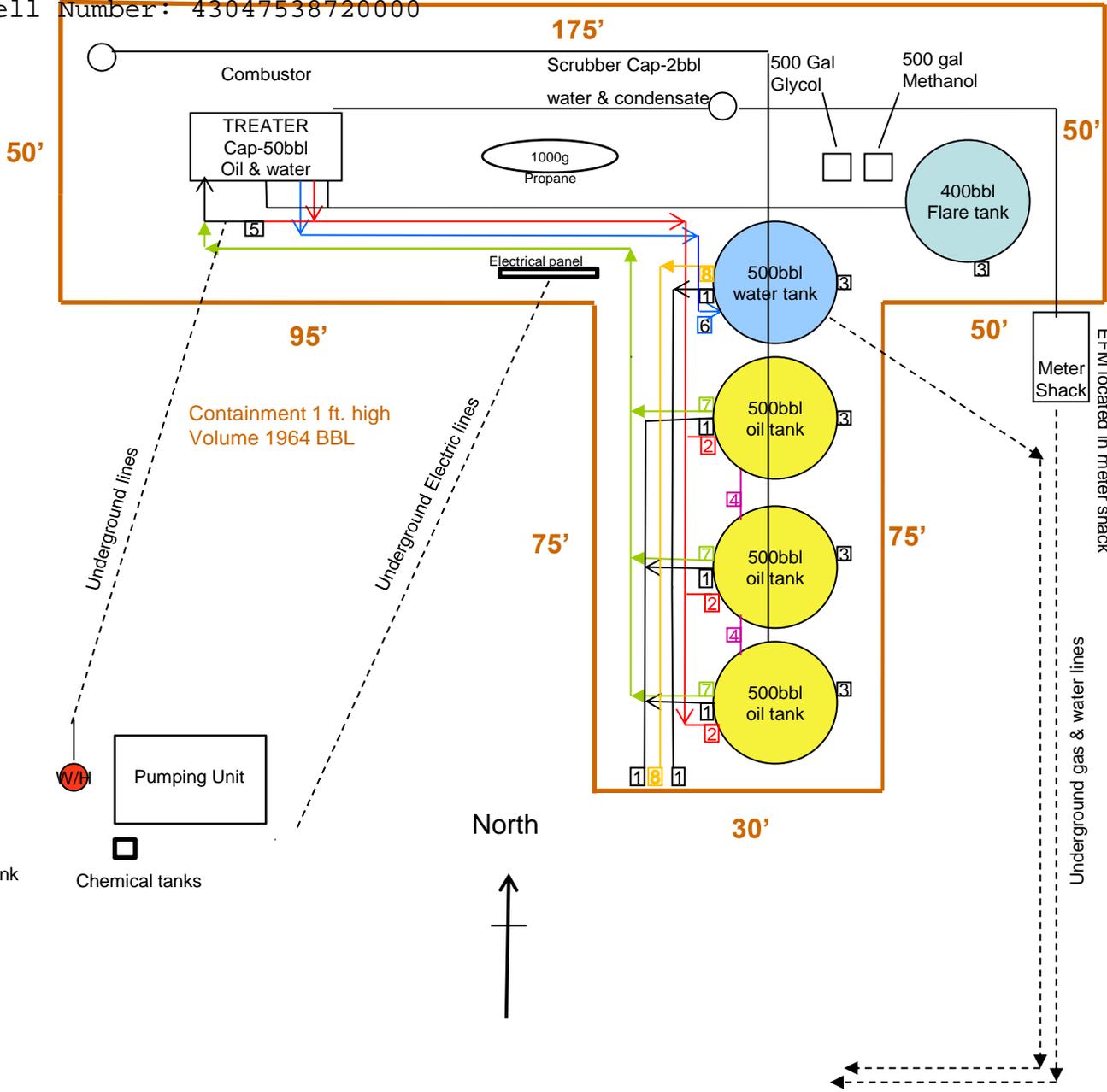
Sundry Number: 57482 API Well Number: 43047538720000

BILL BARRETT CORPORATION
 FEE
 FD 5-17D-2-2
 SW¼ NW¼ SEC 17,T2S, R2E,
 Lease # FEE
 API # 43-047-53872
 Uintah Co. Utah

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

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

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



Surface Drainage to South & East.
 Irrigation Canal 150 yds to South off hill. Dry drainage to East.

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 5-17D-2-2
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4304753872
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1550 FNL 500 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1915 FNL 763 FWL AT TOTAL DEPTH: 1922 FNL 794 FWL		10 FIELD AND POOL, OR WILDCAT Moffat Canal
14. DATE SPURRED: 8/29/2014		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 17 2S 2E U
15. DATE T.D. REACHED: 9/16/2014		12. COUNTY Uintah
16. DATE COMPLETED: 10/16/2014 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		13. STATE UTAH
17. ELEVATIONS (DF, RKB, RT, GL): 5171 GL		
18. TOTAL DEPTH: MD 9,662 TVD 9,641		20. IF MULTIPLE COMPLETIONS, HOW MANY? *
19. PLUG BACK T.D.: MD 9,565 TVD 9,544		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL/Triple Combo/MUD		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Con	65#	0	80	80			0	
12 1/4	9 5/8 J-55	36#	0	2,480	2,480	Lead 160	245	0	
						Tail 350	70		
8 3/4	5 1/2 P11	17#	0	9,662	9,655	Tuned 810	338	4910	
						ECON 1,0	272		

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	8,180							

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	8,154	9,422			8,154 9,422	.38	160	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
8,154-9,422	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: 10/16/2014		TEST DATE: 10/22/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 243	GAS - MCF: 39	WATER - BBL: 85	PROD. METHOD: Flowing
CHOKE SIZE: 28/64	TBG. PRESS. 160	CSG. PRESS. 300	API GRAVITY	BTU - GAS 1	GAS/OIL RATIO 160	24 HR PRODUCTION RATES: →	OIL - BBL: 243	GAS - MCF: 39	WATER - BBL: 85	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	5,691
				Mahogany	6,903
				TGR3	8,147
				Douglas Creek	8,292
				Black Shale Facies	8,775
				Castle Peak	8,859
				Uteland Butte	9,113
				Wasatch	9,596
				TD	9,662

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 10/16/2014; first oil sales 10/19/2014.

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 11/14/2014

This report must be submitted within 30 days of

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

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

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

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

FD 5-17D-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>Common White 100 Mesh</u>	<u>lbs 30/50 Premium White</u>	<u>gal 15% HCl Acid</u>
1	3,554	8,000	80,000	4,400
2	5,488	8,000	73,600	3,900
3	5,288	8,000	105,450	3,900
4	5,051	10,360	135,370	3,900

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



Payzone Directional

End of Well Report



Company: Bill Bairrett Corporation
Project: Fort Duchesne
Site: SECTION 17 T2S, R2E
Well: FD 5-17D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well FD 5-17D-2-2
TVD Reference: FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
MD Reference: FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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

System Datum: Mean Sea Level

Site: SECTION 17 T2S, R2E

Site Position: Northing: 11,174,760.11 usft
 Easting: 2,114,575.32 usft
 Slot Radius: 13-3/16 "

Latitude: 40° 18' 44.110 N
Longitude: 109° 48' 4.620 W
Grid Convergence: 1.04 °

Well: FD 5-17D-2-2, SHL: 40° 18' 44.110 -109° 48' 4.620

Well Position: +N/-S 0.0 usft
 +E/-W 0.0 usft
 Wellhead Elevation: 0.0 usft

Latitude: 40° 18' 44.110 N
Longitude: 109° 48' 4.620 W
Ground Level: 5,168.0 usft

Wellbore: Wellbore #1

Magnetics: Model Name IGRF2010
 Sample Date 8/28/2014
 Decination (°) 10.83
 Dip Angle (°) 65.98
 Field Strength (nT) 52,137

Design: Actual

Audit Notes: Version: 1.0

Phase: ACTUAL
Tie On Depth: 0.0

Direction (°) 141.69

Vertical Section: Depth From (TVD) (usft) 0.0
 +N/-S (usft) 0.0
 +E/-W (usft) 0.0

Survey Program: From (usft) 54.0
 To (usft) 9,662.0
 Survey #1 (Wellbore #1)

Date: 9/19/2014
Tool Name: MWD
Description: MWD v3:standard declination



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 17 T2S, R2E
Well: FD 5-17D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well FD 5-17D-2-2
TVD Reference: FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
MD Reference: FD 5-17D-2-2 @ 5181.0usft (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	0.00	0.0	0.0	0.0	0.00	0.00	0.00
54.0	0.26	334.84	54.0	-0.1	0.1	-0.1	0.48	0.48	0.00
239.0	0.40	118.36	239.0	0.1	0.2	0.3	0.34	0.08	77.58
327.0	0.31	104.48	327.0	0.5	0.0	0.8	0.14	-0.10	-15.77
419.0	0.31	157.04	419.0	1.0	-0.3	1.2	0.30	0.00	57.13
512.0	0.22	184.24	512.0	1.3	-0.7	1.3	0.16	-0.10	29.25
602.0	0.44	177.65	602.0	1.8	-1.2	1.3	0.25	0.24	-7.32
702.0	0.53	153.65	702.0	2.5	-2.0	1.5	0.22	0.09	-24.00
783.0	0.57	156.86	783.0	3.3	-2.7	1.8	0.06	0.05	3.96
843.0	0.44	160.64	843.0	3.8	-3.2	2.0	0.22	-0.22	6.30
930.0	0.26	198.78	930.0	4.2	-3.7	2.0	0.33	-0.21	43.84
1,015.0	0.22	148.03	1,015.0	4.5	-4.1	2.1	0.25	-0.05	-59.71
1,102.0	0.26	161.08	1,102.0	4.8	-4.4	2.2	0.08	0.05	15.00
1,188.0	0.48	175.32	1,188.0	5.3	-4.9	2.3	0.28	0.26	16.56
1,273.0	0.44	195.88	1,273.0	5.8	-5.6	2.3	0.20	-0.05	24.19
1,359.0	0.53	186.92	1,359.0	6.3	-6.3	2.1	0.14	0.10	-10.42
1,444.0	0.48	205.60	1,444.0	6.7	-7.0	1.9	0.20	-0.06	21.98
1,531.0	0.48	206.30	1,531.0	7.0	-7.7	1.6	0.01	0.00	0.80
1,619.0	0.66	219.75	1,619.0	7.3	-8.4	1.1	0.25	0.20	15.28
1,706.0	0.70	231.83	1,706.0	7.4	-9.1	0.4	0.17	0.05	13.89
1,793.0	0.62	238.42	1,793.0	7.3	-9.7	-0.4	0.13	-0.09	7.57
1,879.0	0.66	214.47	1,878.9	7.4	-10.3	-1.1	0.31	0.05	-27.85
1,976.0	0.62	204.94	1,975.9	7.8	-11.3	-1.7	0.12	-0.04	-9.82
2,053.0	0.66	210.30	2,052.9	8.2	-12.0	-2.1	0.09	0.05	6.96
2,138.0	0.56	218.19	2,137.9	8.4	-12.8	-2.6	0.15	-0.12	9.28
2,223.0	0.57	214.08	2,222.9	8.7	-13.5	-3.1	0.05	0.01	-4.84
2,308.0	0.48	216.32	2,307.9	8.9	-14.1	-3.5	0.11	-0.11	2.64



Payzone Directional

End of Well Report



Company: Bill Bairrett Corporation
Project: Fort Duchesne
Site: SECTION 17 T2S, R2E
Well: FD 5-17D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
MD Reference: FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well: FD 5-17D-2-2
MD Reference: FD 5-17D-2-2 @ 5181.0usft (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)
2,393.0	0.62	230.03	2,392.9	9.0	-14.7	-4.1	0.22	0.16	16.13
2,411.0	0.57	241.41	2,410.9	9.0	-14.8	-4.2	0.71	-0.28	63.22
2,508.0	0.40	229.14	2,507.9	8.9	-15.2	-4.9	0.20	-0.18	-12.65
2,593.0	1.19	180.84	2,592.9	9.6	-16.3	-5.1	1.14	0.93	-56.82
2,679.0	2.21	166.74	2,678.9	11.8	-18.8	-4.8	1.27	1.19	-16.40
2,765.0	3.49	150.61	2,764.8	15.9	-22.7	-3.1	1.74	1.49	-18.76
2,850.0	3.49	147.35	2,849.6	21.0	-27.2	-0.4	0.23	0.00	-3.84
2,935.0	3.58	142.42	2,934.4	26.3	-31.4	2.6	0.37	0.11	-5.80
3,021.0	3.80	145.02	3,020.3	31.8	-35.9	5.8	0.32	0.26	3.02
3,107.0	4.29	152.73	3,106.0	37.8	-41.1	9.0	0.85	0.57	8.97
3,193.0	4.42	153.61	3,191.8	44.2	-46.9	11.9	0.17	0.15	1.02
3,282.0	5.70	156.12	3,280.5	51.8	-54.0	15.2	1.46	1.44	2.82
3,360.0	5.70	154.71	3,358.1	59.4	-61.1	18.4	0.18	0.00	-1.81
3,447.0	5.61	158.54	3,444.6	67.6	-68.9	21.8	0.45	-0.10	4.40
3,532.0	6.10	157.05	3,529.2	76.0	-77.0	25.1	0.60	0.58	-1.75
3,618.0	6.81	152.11	3,614.7	85.4	-85.7	29.3	1.05	0.83	-5.74
3,703.0	6.81	152.33	3,699.1	95.3	-94.6	34.0	0.03	0.00	0.26
3,789.0	6.58	150.22	3,784.5	105.2	-103.4	38.8	0.39	-0.27	-2.45
3,874.0	5.70	144.31	3,869.0	114.2	-111.0	43.7	1.27	-1.04	-6.95
3,963.0	5.21	140.52	3,957.6	122.7	-117.8	48.8	0.68	-0.55	-4.26
4,049.0	5.30	142.94	4,043.2	130.5	-123.9	53.7	0.28	0.10	2.81
4,137.0	4.91	137.61	4,130.9	138.4	-130.0	58.7	0.70	-0.44	-6.06
4,224.0	4.68	138.32	4,217.6	145.6	-135.4	63.6	0.27	-0.26	0.82
4,311.0	4.91	138.63	4,304.3	152.9	-140.8	68.4	0.27	0.26	0.36
4,398.0	4.66	142.02	4,391.0	160.1	-146.4	73.0	0.43	-0.29	3.90
4,483.0	4.82	135.63	4,475.7	167.1	-151.7	77.6	0.65	0.19	-7.52
4,570.0	4.91	133.82	4,562.4	174.5	-156.9	82.9	0.20	0.10	-2.08



Payzone Directional

End of Well Report



Company: Bill Bairrett Corporation
Project: Fort Duchesne
Site: SECTION 17 T2S, R2E
Well: FD 5-17D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
MD Reference: FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Well: FD 5-17D-2-2
MD Reference: FD 5-17D-2-2 @ 5181.0usft (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)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,655.0	5.21	137.35	4,647.0	181.9	-162.2	88.1	0.51	0.35	4.15
4,742.0	4.99	136.11	4,733.7	189.6	-167.8	93.4	0.28	-0.25	-1.43
4,828.0	5.92	134.13	4,819.3	197.7	-173.6	99.2	1.10	1.08	-2.30
4,913.0	5.92	133.12	4,903.8	206.4	-179.7	105.5	0.12	0.00	-1.19
4,998.0	5.48	135.14	4,988.4	214.8	-185.5	111.6	0.57	-0.52	2.38
5,086.0	6.19	142.64	5,076.0	223.7	-192.3	117.5	1.18	0.81	8.52
5,171.0	6.58	145.24	5,160.4	233.1	-199.9	123.0	0.57	0.46	3.06
5,259.0	6.81	145.63	5,247.8	243.4	-208.4	128.8	0.27	0.26	0.44
5,344.0	6.41	145.72	5,332.3	253.1	-216.5	134.3	0.47	-0.47	0.11
5,430.0	6.41	146.55	5,417.7	262.7	-224.4	139.7	0.11	0.00	0.97
5,521.0	6.10	144.84	5,508.2	272.6	-232.6	145.3	0.40	-0.34	-1.88
5,608.0	6.01	144.62	5,594.7	281.8	-240.1	150.6	0.11	-0.10	-0.25
5,693.0	5.70	134.35	5,679.3	290.4	-246.7	156.2	1.28	-0.36	-12.08
5,782.0	5.61	134.44	5,767.8	299.1	-252.8	162.4	0.10	-0.10	0.10
5,870.0	6.01	132.72	5,855.4	307.9	-259.0	168.9	0.50	0.45	-1.95
5,955.0	5.21	128.14	5,940.0	316.1	-264.4	175.2	1.08	-0.94	-5.39
6,044.0	5.70	148.63	6,028.6	324.4	-270.6	180.7	2.24	0.55	23.02
6,130.0	6.58	154.84	6,114.1	333.4	-278.8	185.0	1.28	1.02	7.22
6,217.0	6.58	137.61	6,200.5	343.2	-286.9	190.5	2.26	0.00	-19.80
6,302.0	6.50	130.52	6,285.0	352.8	-293.7	197.4	0.95	-0.09	-8.34
6,389.0	5.21	126.33	6,371.5	361.5	-299.2	204.3	1.56	-1.48	-4.82
6,475.0	3.80	163.22	6,457.3	367.9	-304.3	208.3	3.66	-1.64	42.90
6,560.0	3.49	167.31	6,542.1	372.8	-309.5	209.7	0.48	-0.36	4.81
6,646.0	3.49	157.05	6,627.9	377.7	-314.4	211.3	0.73	0.00	-11.93
6,732.0	3.89	138.71	6,713.7	383.2	-319.0	214.2	1.44	0.47	-21.33
6,817.0	3.80	144.22	6,798.6	388.8	-323.5	217.8	0.45	-0.11	6.48
6,903.0	3.58	148.54	6,884.4	394.4	-328.1	220.9	0.41	-0.26	5.02



Payzone Directional

End of Well Report



Company: Bill Barrett Corporation
Project: Fort Duchesne
Site: SECTION 17 T2S, R2E
Well: FD 5-17D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
MD Reference: FD 5-17D-2-2 @ 5181.0usft (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)	D Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,989.0	3.49	141.45	6,970.2	399.6	-332.4	223.9	0.52	-0.10	-8.24
7,077.0	3.71	139.73	7,058.0	405.2	-336.7	227.4	0.28	0.25	-1.95
7,162.0	3.71	129.81	7,142.9	410.6	-340.6	231.3	0.75	0.00	-11.67
7,247.0	3.40	136.42	7,227.7	415.8	-344.1	235.1	0.60	-0.36	7.78
7,333.0	3.31	147.75	7,313.6	420.8	-348.1	238.2	0.78	-0.10	13.17
7,418.0	2.52	159.12	7,398.4	425.0	-351.9	240.2	1.15	-0.93	13.38
7,504.0	2.78	130.74	7,484.4	428.9	-355.0	242.4	1.54	0.30	-33.00
7,590.0	2.92	125.85	7,570.3	433.0	-357.7	245.8	0.33	0.16	-5.69
7,677.0	2.78	123.11	7,657.1	437.2	-360.1	249.4	0.22	-0.16	-3.15
7,762.0	2.52	126.24	7,742.1	440.9	-362.4	252.6	0.35	-0.31	3.68
7,848.0	1.28	108.84	7,828.0	443.6	-363.8	255.0	1.57	-1.44	-20.23
7,936.0	1.50	100.64	7,916.0	445.3	-364.3	257.1	0.34	0.25	-9.32
8,021.0	1.50	100.02	8,000.9	446.9	-364.7	259.3	0.02	0.00	-0.73
8,107.0	1.19	88.43	8,086.9	448.3	-364.9	261.3	0.48	-0.36	-13.48
8,192.0	1.10	68.73	8,171.9	449.1	-364.6	262.9	0.47	-0.11	-23.18
8,278.0	0.88	75.21	8,257.9	449.6	-364.1	264.3	0.29	-0.26	7.53
8,364.0	1.02	76.62	8,343.9	450.2	-363.8	265.7	0.17	0.16	1.64
8,449.0	1.02	75.43	8,428.9	450.8	-363.4	267.2	0.02	0.00	-1.40
8,535.0	1.28	70.10	8,514.9	451.4	-362.9	268.8	0.33	0.30	-6.20
8,620.0	1.28	77.64	8,599.8	452.1	-362.3	270.7	0.20	0.00	8.87
8,707.0	1.41	81.34	8,686.8	453.1	-362.0	272.7	0.18	0.15	4.25
8,792.0	1.28	85.61	8,771.8	454.1	-361.8	274.6	0.19	-0.15	5.02
8,878.0	1.28	82.75	8,857.8	455.1	-361.6	276.6	0.07	0.00	-3.33
8,963.0	1.10	91.74	8,942.7	456.2	-361.5	278.3	0.30	-0.21	10.58
9,049.0	1.19	93.32	9,028.7	457.3	-361.5	280.0	0.11	0.10	1.84
9,132.0	1.19	102.71	9,111.7	458.5	-361.8	281.7	0.23	0.00	11.31
9,219.0	1.28	110.51	9,198.7	460.1	-362.3	283.5	0.22	0.10	8.97



Payzone Directional

End of Well Report



Company: Bill Bairrett Corporation
Project: Fort Duchesne
Site: SECTION 17 T2S, R2E
Well: FD 5-17D-2-2
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well FD 5-17D-2-2
TVD Reference: FD 5-17D-2-2 @ 5181.0usft (CAPSTAR 330)
MD Reference: FD 5-17D-2-2 @ 5181.0usft (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)
9,304.0	1.28	118.44	9,283.7	461.7	-363.1	285.2	0.21	0.00	9.33
9,392.0	1.50	128.31	9,371.6	463.8	-364.3	287.0	0.37	0.25	11.22
9,478.0	1.90	138.71	9,457.6	466.3	-366.1	288.8	0.59	0.47	12.09
9,563.0	2.70	140.21	9,542.5	469.7	-368.6	291.0	0.94	0.94	1.76
9,610.0	2.78	140.04	9,589.5	471.9	-370.4	292.5	0.17	0.17	-0.36
9,662.0	2.78	140.04	9,641.4	474.5	-372.3	294.1	0.00	0.00	0.00

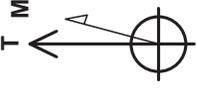
Checked By: _____

Approved By: _____

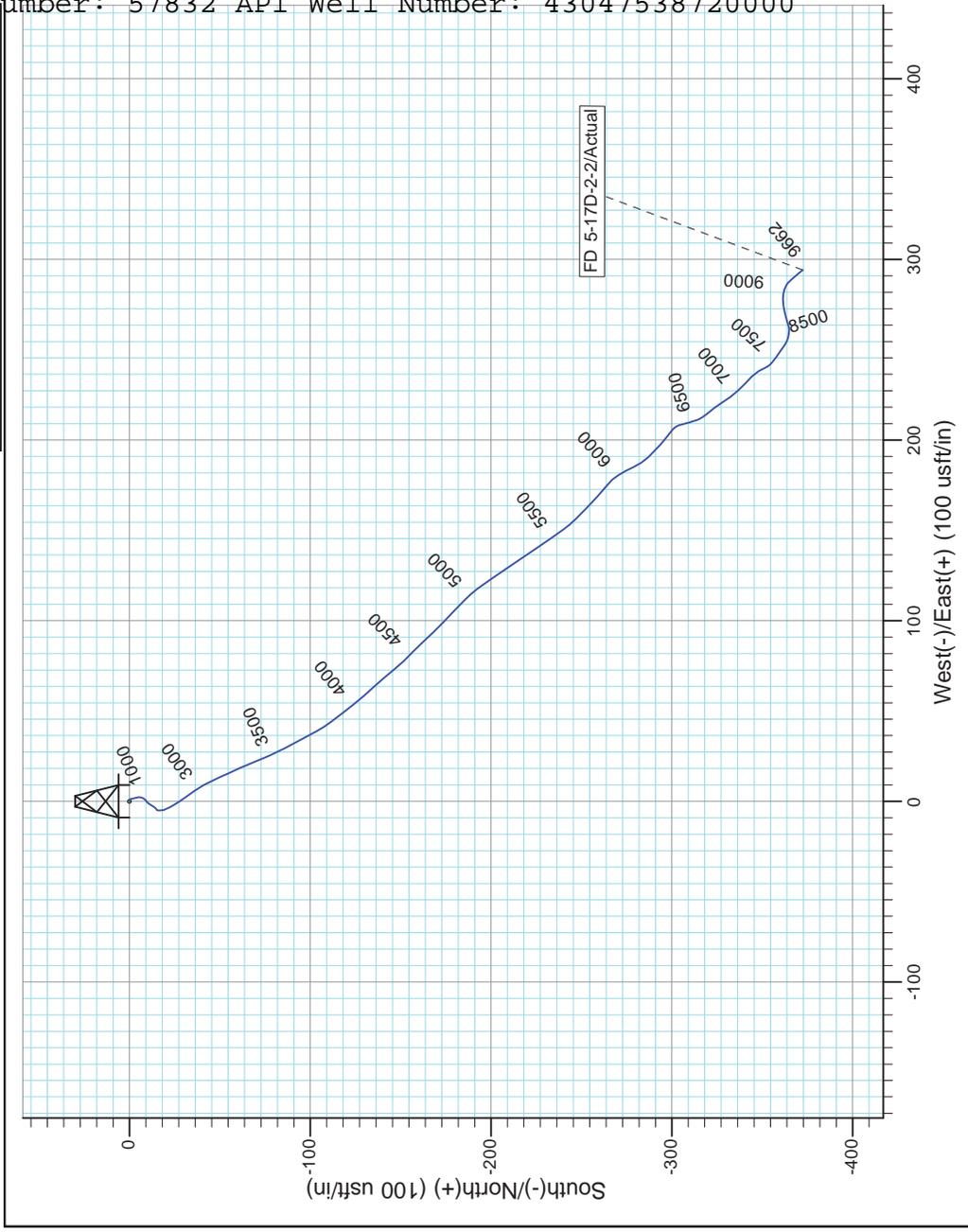
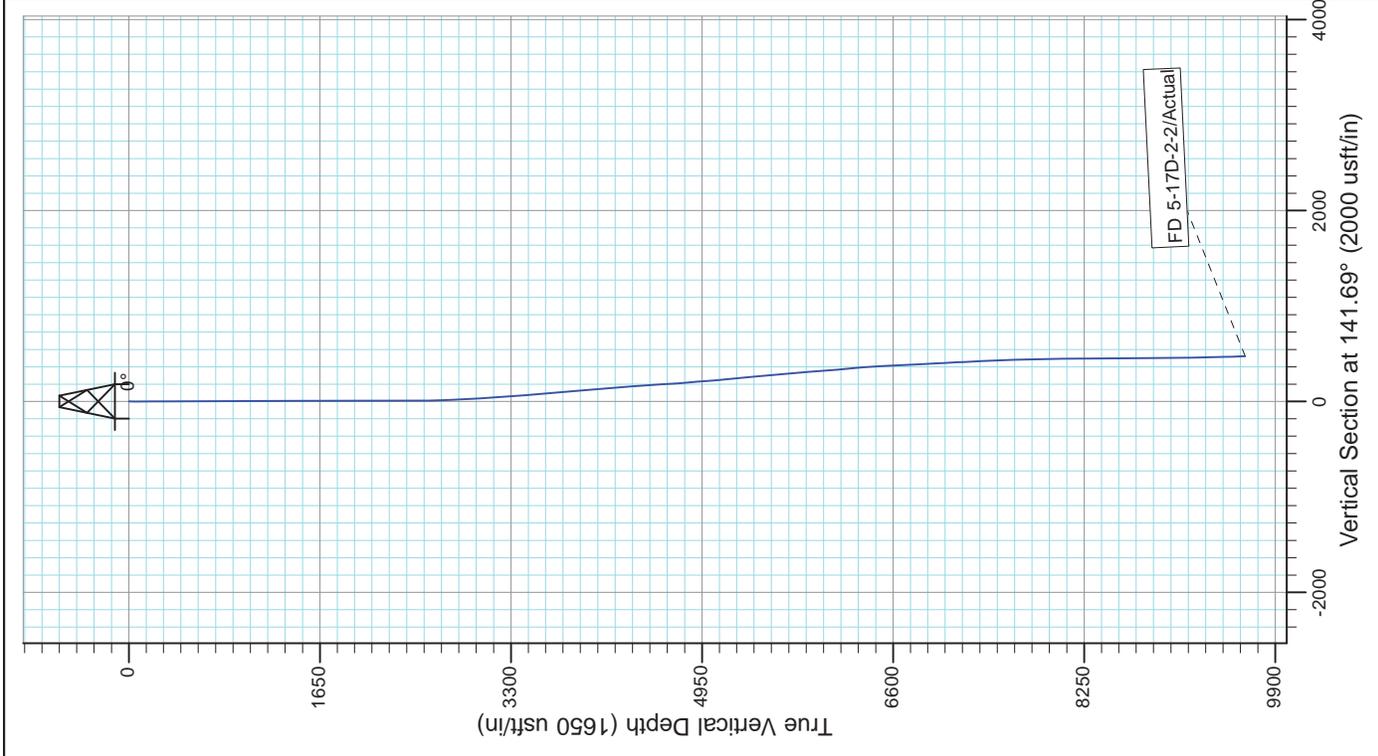
Date: _____



Project: Fort Duchesne
 Site: SECTION 17 T2S, R2E
 Well: FD 5-17D-2-2
 Wellbore: Wellbore #1
 Design: Actual



Azimuths to True North
 Magnetic North: 10.83°
 Magnetic Field
 Strength: 52136.9sn
 Dip Angle: 65.98°
 Date: 8/28/2014
 Model: IGRF2010



Design: Actual (FD 5-17D-2-2/Wellbore #1)

Created By: *Matthew Linton* Date: 8:27, September 19 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 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 5-17D-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047538720000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1550 FNL 0500 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 17 Township: 02.0S Range: 02.0E Meridian: U	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/5/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input checked="" 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.

THE PIT WAS CLOSED ON 1/28/2015 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	