

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> FD 3-36D-6-19
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> WILDCAT
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP		<b>7. OPERATOR PHONE</b> 303 312-8164
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202		<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML-50801	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>	<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	<b>19. SLANT</b> 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	317 FNL 1740 FWL	NENW	36	6.0 S	19.0 E	S
Top of Uppermost Producing Zone	659 FNL 1980 FWL	NENW	36	6.0 S	19.0 E	S
At Total Depth	660 FNL 1980 FWL	NENW	36	6.0 S	19.0 E	S

<b>21. COUNTY</b> UINTAH	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 660	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40
<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 2764	<b>26. PROPOSED DEPTH</b> MD: 11839 TVD: 11814	
<b>27. ELEVATION - GROUND LEVEL</b> 4971	<b>28. BOND NUMBER</b> LPM4138148	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 49-2336

**Hole, Casing, and Cement Information**

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	20	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
SURF	14.75	10.75	0 - 3500	45.5	J-55 Buttress	8.8	Halliburton Light , Type Unknown	940	3.16	11.0
							Halliburton Premium , Type Unknown	360	1.36	14.8
PROD	8.75	5.5	0 - 11839	17.0	P-110 LT&C	11.0	Unknown	710	2.31	11.0
							Unknown	1220	1.42	13.5

**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 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

<b>NAME</b> Venessa Langmacher	<b>TITLE</b> Senior Permit Analyst	<b>PHONE</b> 303 312-8172
<b>SIGNATURE</b>	<b>DATE</b> 11/07/2011	<b>EMAIL</b> vlangmacher@billbarrettcorp.com
<b>API NUMBER ASSIGNED</b> 43047521630000	<b>APPROVAL</b>   Permit Manager	

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

**FD State #3-36D-6-19**

NE NW, 317' FNL and 1740' FWL, Sec. 36, T6S – R19E, SLB&M (Surface Hole)

NE NW, 660' FNL and 1980' FWL, Sec. 36, T6S – R19E, SLB&M (Bottom Hole)

Uintah County, UT

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

<b>Formation</b>	<b>Depth – MD</b>	<b>Depth – TVD</b>
Green River*	4,918'	4,909'
Mahogany	5,926'	5,909'
Lower Green River*	7,184'	7,159'
Douglas Creek	7,269'	7,244'
Black Shale Facies*	7,809'	7,784'
Castle Peak	7,949'	7,924'
Wasatch*	8,839'	8,814'
TD	11,839'	11,814'

\*PROSPECTIVE PAY

The Wasatch and the Green River are primary objectives for oil/gas.

Base of Useable Water = 2,250'

**3. BOP and Pressure Containment Data**

<b>Depth Intervals</b>	<b>BOP Equipment</b>
0 – 80'	No pressure control required
80' - 3500'	13-5/8" diverter plumbed through the rigs manifold
3,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b>Hole Size</b>	<b>SETTING DEPTH (FROM) (TO)</b>		<b>Casing Size</b>	<b>Casing Weight</b>	<b>Casing Grade</b>	<b>Thread</b>	<b>Condition</b>
26"	Surface	80'	16"	65#			
14- 3/4"	Surface	3,500'	10-3/4"	45.5#	J or K 55	BT&C	New
9-7/8" & 8-3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

**NOTE: If necessary due to lost circulation, BBC would like to request the option to set 7-5/8", 29.70# P-110 LT&C to a depth of 8,839' (Wasatch Top), then drill a 6-1/2" hole to TD and run 5-1/2" casing as a 3,200' liner (200' liner lap).**

Bill Barrett Corporation  
 Drilling Program  
 FD #3-36D-6-19  
 Uintah County, Utah

### 5. Cementing Program

<u>Casing</u>	<u>Cement</u>
16" Conductor Casing	Grout
14-3/4" hole for 10-3/4" Surface Casing	Lead with approximately 940 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. Tail with approximately 360 sx Halliburton Premium cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx). Calculated hole volume with 75% excess.
9-7/8 hole for 5 1/2" Production Casing May reduce hole size to 8-3/4" at T/ Wasatch FM if minimal hole problems.	Lead with approximately 710 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). Tail with approximately 1220 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Planned TOC 200' above surface casing shoe.
<p><b>NOTE: If 7-5/8" casing is necessary, cement with Lead with approximately 900 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft<sup>3</sup>/sx). Tail with approximately 240 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft<sup>3</sup>/sx). Planned TOC 200' above surface casing shoe. We will perform a FIT to 11.5 ppg after drilling 20' of new hole.</b></p> <p><b>The 5-1/2" liner would be cemented with 200 sx of Class G 50/50 Poz w/ 2% gel (14.2 ppg) with additives from TD to 200' above TOL.</b></p>	

### 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' – 3,500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
3,500' – TD	8.6 – 11.0	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.
<p><b>NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.</b></p>	

Bill Barrett Corporation  
Drilling Program  
FD #3-36D-6-19  
Uintah County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 6758 psi\* and maximum anticipated surface pressure equals approximately 4159 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 TVD = A (bottom hole pressure)

\*\*Maximum surface pressure = A - (0.22 x TVD)

**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 Green River located in Sec. 33, T8S, R20E.

**11. Drilling Schedule**

Location Construction: December 1, 2011  
Spud: December 1, 2011  
Duration: 15 days drilling time  
45 days completion time

**T6S, R19E, S.L.B.&M.**

**BILL BARRETT CORPORATION**

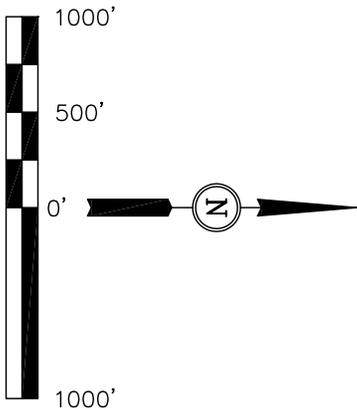
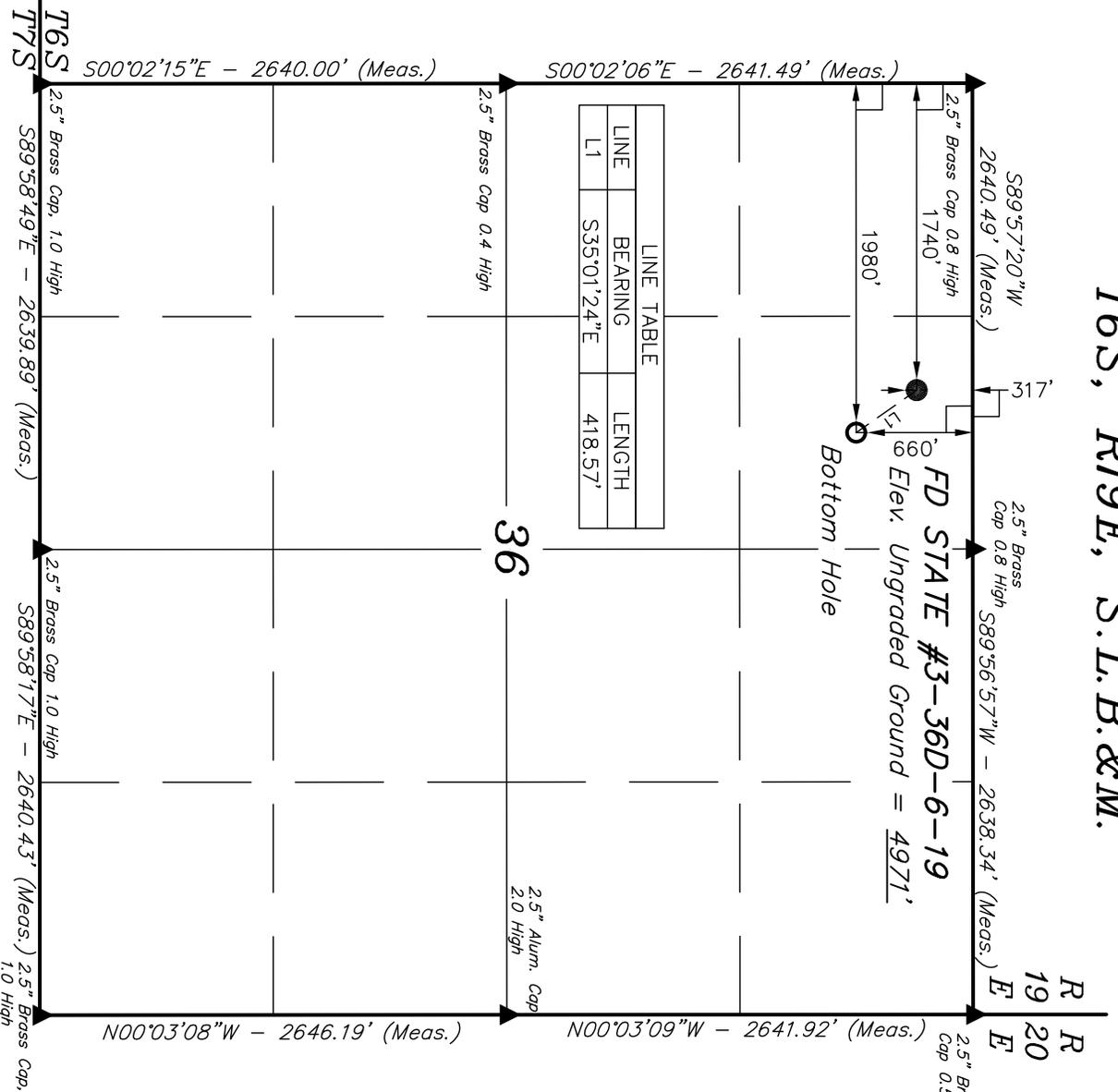
Well location, FD STATE #3-36D-6-19, located as shown in the NE 1/4 NW 1/4 of Section 36, T6S, R19E, S.L.B.&M., Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

**BASIS OF BEARINGS**

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



**CERTIFICATE**

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

**KAY ROBERTS**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH  
 08-24-11

REVISED: 08-24-11

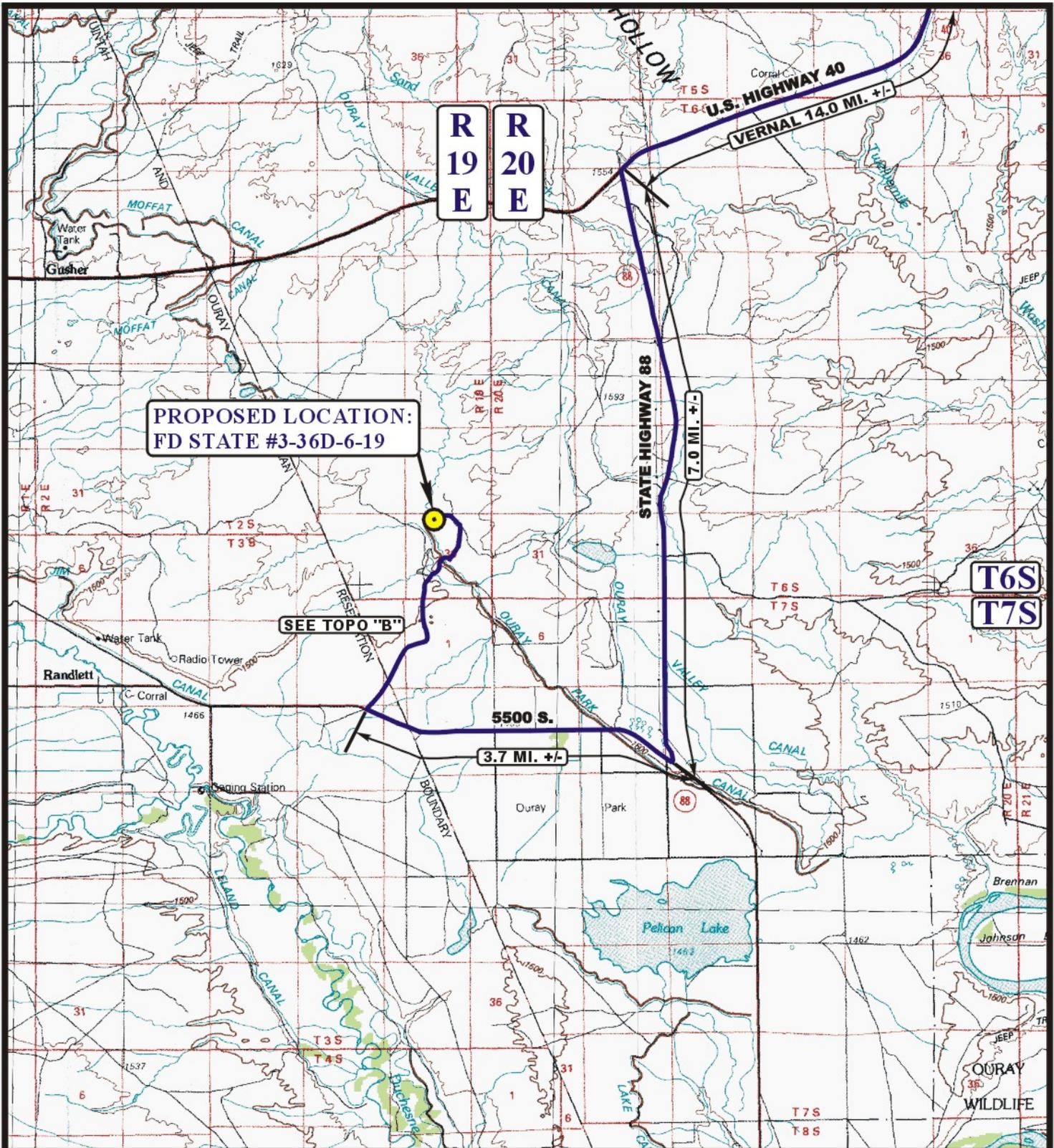
**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	07-20-11	DATE DRAWN:	08-08-11
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PARTY	C.R. A.W. Z.L.	REFERENCES	G.I.O. PLAT
WEATHER	HOT	FILE	BILL BARRETT CORPORATION

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°15'36.23" (40.260064)	LONGITUDE = 109°44'01.40" (109.733722)	LATITUDE = 40°15'39.61" (40.261003)	LONGITUDE = 109°44'04.50" (109.734583)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°15'36.37" (40.260103)	LONGITUDE = 109°43'58.89" (109.733025)	LATITUDE = 40°15'39.75" (40.261042)	LONGITUDE = 109°44'01.99" (109.733886)



**LEGEND:**

 PROPOSED LOCATION



**BILL BARRETT CORPORATION**

FD STATE #3-36D-6-19  
 SECTION 36, T6S, R19E, S.L.B.&M.  
 317' FNL 1740' FWL



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

**ACCESS ROAD  
 MAP**

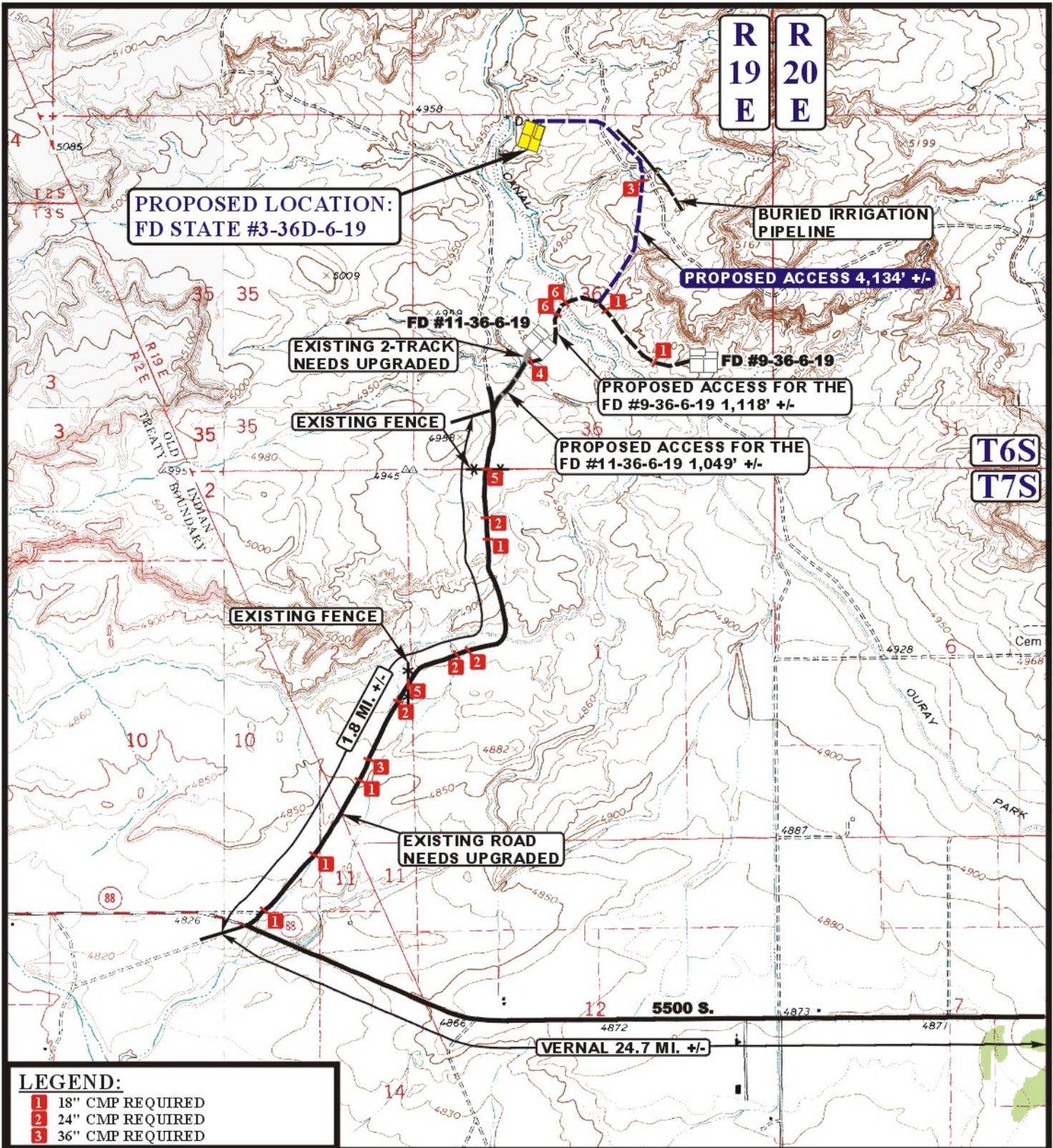
**08 07 11**  
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: S.F.

REVISED: 08-25-11





**R  
19  
E**      **R  
20  
E**

**PROPOSED LOCATION:  
FD STATE #3-36D-6-19**

**BURIED IRRIGATION  
PIPELINE**

**PROPOSED ACCESS 4,134' +/-**

**EXISTING 2-TRACK  
NEEDS UPGRADED**

**PROPOSED ACCESS FOR THE  
FD #9-36-6-19 1,118' +/-**

**EXISTING FENCE**

**PROPOSED ACCESS FOR THE  
FD #11-36-6-19 1,049' +/-**

**T6S  
T7S**

**EXISTING FENCE**

**7.8 MI. +/-**

**EXISTING ROAD  
NEEDS UPGRADED**

**VERNAL 24.7 MI. +/-**

- LEGEND:**
- 1** 18" CMP REQUIRED
  - 2** 24" CMP REQUIRED
  - 3** 36" CMP REQUIRED

- LEGEND:**
- EXISTING ROAD
  - - - PROPOSED ACCESS ROAD
  - \* \* \* \* \* EXISTING FENCE
  - 4** 60" CMP REQUIRED      **5** INSTALL CATTLE GUARD
  - 6** BOX CULVERT REQUIRED

**BILL BARRETT CORPORATION**

**FD STATE #3-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
317' FNL 1740' FWL**

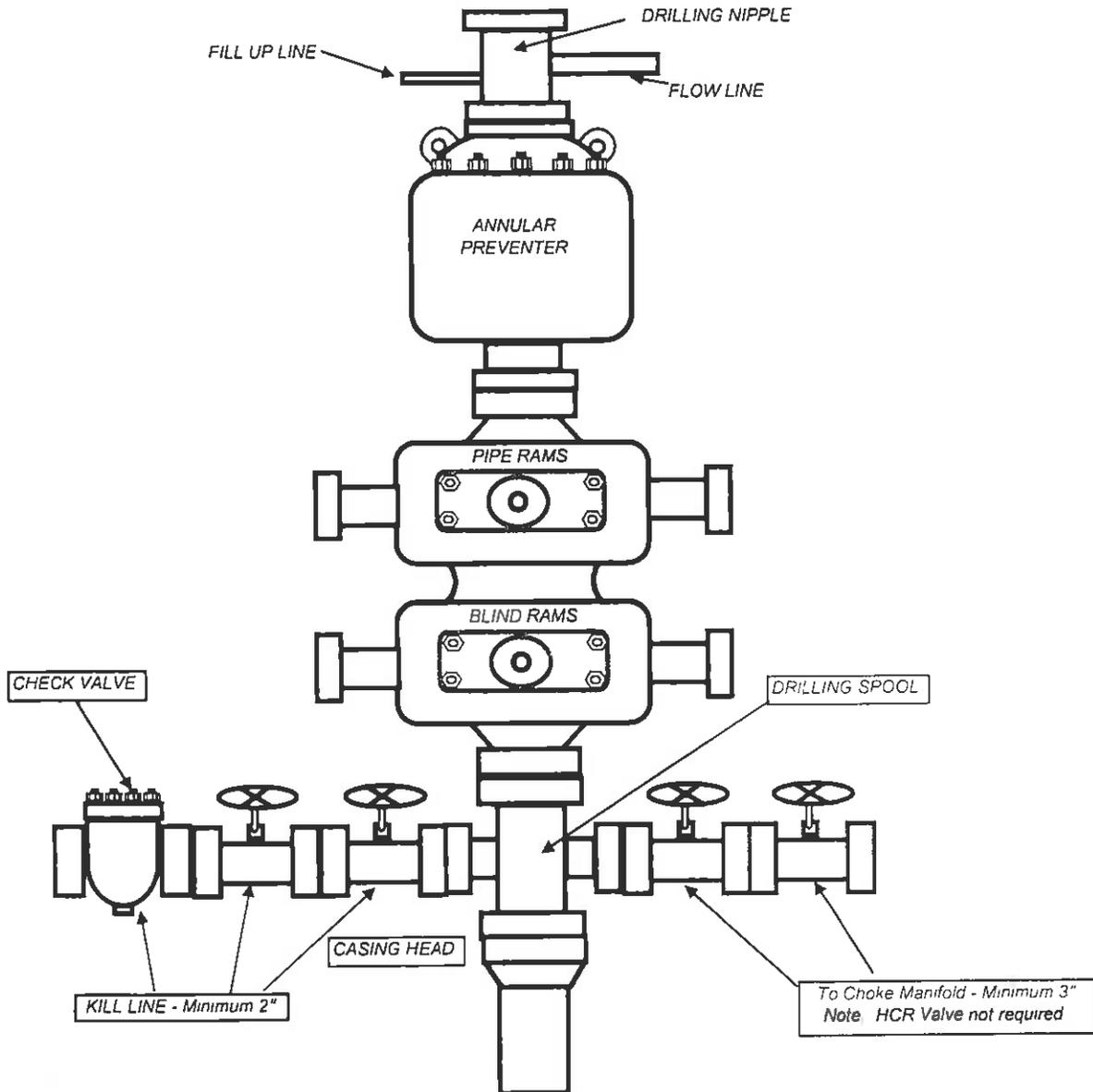
**U&L S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD  
MAP**      **08 07 11**  
MONTH DAY YEAR      **B**  
SCALE: 1" = 2000'      DRAWN BY: S.F.      REVISED: 08-25-11      **TOPO**



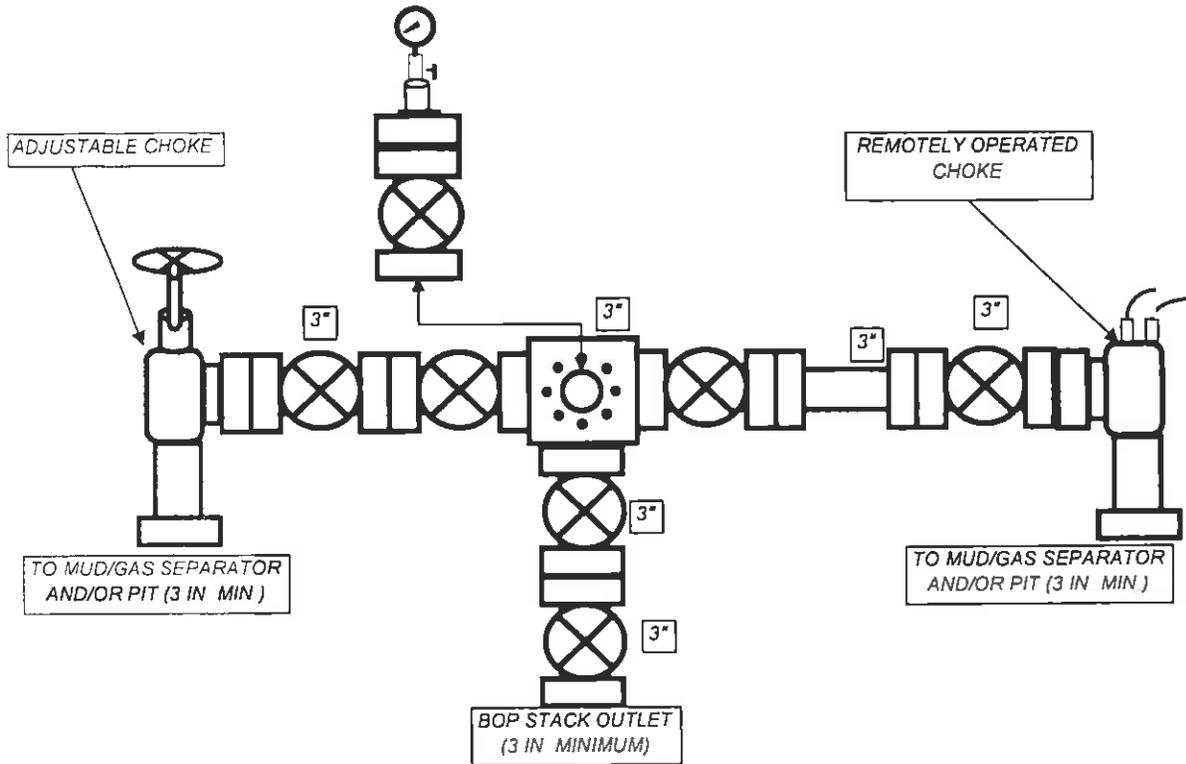
# BILL BARRETT CORPORATION

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



# BILL BARRETT CORPORATION

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





November 7, 2011

Ms. Diana Mason – Petroleum Technician  
State of Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling and Exception Location- FD State 3-36D-6-19  
**East Bluebell Area**  
Surface: 317' FNL and 1740' FWL, Sec. 36, T6S-R19E SLM  
Bottom Hole: 660' FNL and 1980' FWL, Sec. 36, T6S-R19E SLM  
Uintah County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Sitting of Wells.

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under ML-50801. Forest Oil Corporation and Encana Oil and Gas (USA) Inc. own a right to participate in this well.
- BBC certifies that it is the working interest owner of all lands within 460 feet of the proposed well location, and together with Forest Oil Corporation and Encana Oil and Gas (USA) Inc., we own 100% of the working interest in these lands.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11.

1099 18<sup>TH</sup> STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420



BBC also hereby submits an exception location letter in accordance with Oil & Gas Conservation Rules R649-3-3, requesting an exception well location, supported by the following information:

- The location is within our East Bluebell Area.
- The exception location is due to topography requirements and to minimize surface disturbance.
- BBC certifies that it is the working interest owner along with EnCana Oil and Gas (USA) and Forest Oil Corporation (who also consents to this exception location request), and together we own 100% of the working interest within 460 feet of the proposed well location.

Based on the information provided, BBC requests the Division grant this exception to the locating and siting requirements of R649-3-2. Should you have any questions or need further information, please contact me at 303-299-9935.

Sincerely,

A handwritten signature in blue ink that reads 'Vanessa Langmacker'. The signature is written in a cursive style.

Thomas Abell  
Landman

*for*

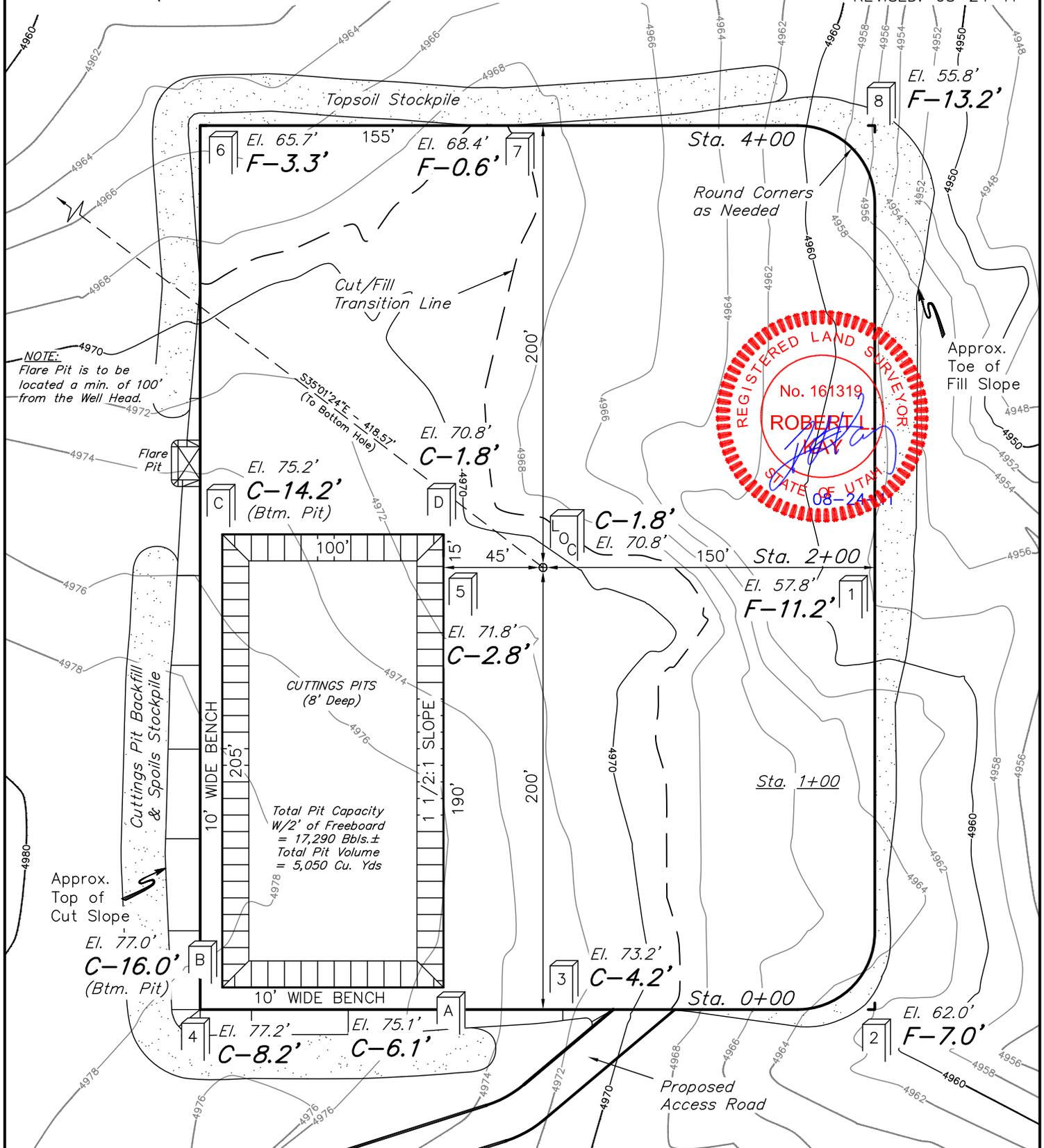
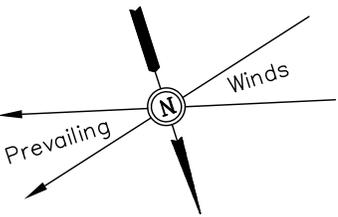
# BILL BARRETT CORPORATION

FIGURE #1

## LOCATION LAYOUT FOR

FD STATE #3-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
317' FNL 1740' FWL

SCALE: 1" = 60'  
DATE: 08-08-11  
DRAWN BY: Z.L.  
REVISED: 08-24-11



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

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

Elev. Ungraded Ground At Loc. Stake = 4970.8'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4969.0'

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

RECEIVED: November 07, 2011

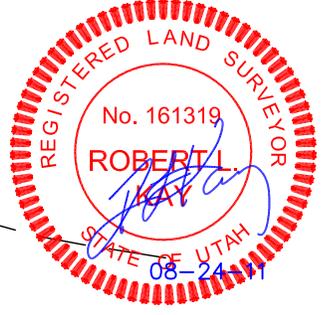
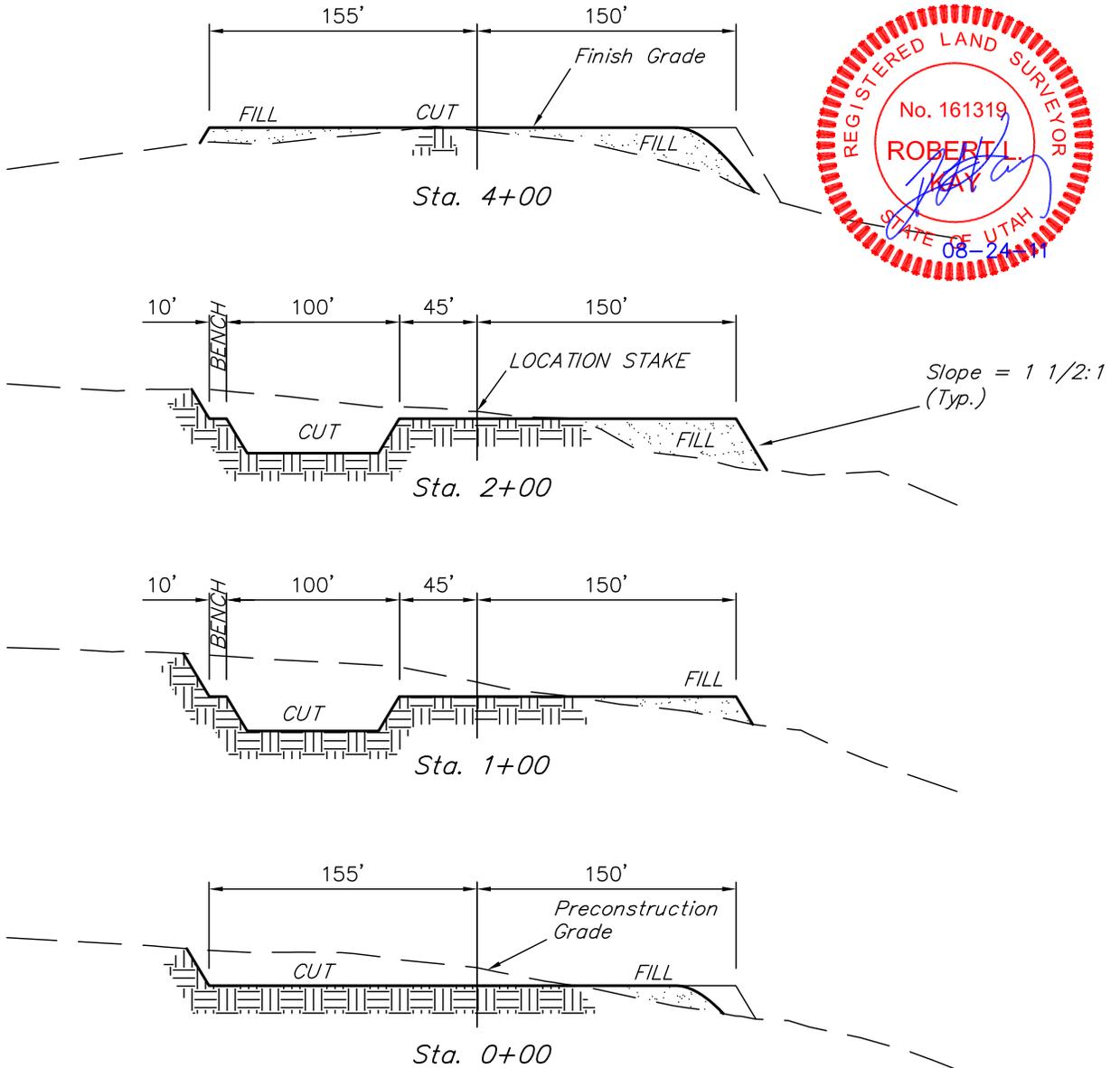
**BILL BARRETT CORPORATION**

**FIGURE #2**

X-Section Scale  
1" = 40'  
1" = 100'

TYPICAL CROSS SECTIONS FOR  
FD STATE #3-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
317' FNL 1740' FWL

DATE: 08-08-11  
DRAWN BY: Z.L.  
REVISED: 08-24-11



**NOTE:**

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

APPROXIMATE ACREAGES  
WELL SITE DISTURBANCE = ± 3.463 ACRES  
ACCESS ROAD DISTURBANCE = ± 2.847 ACRES  
TOTAL = ± 6.310 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	2,590 Cu. Yds.
Remaining Location	=	14,460 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>17,050 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>11,930 CU.YDS.</b>

EXCESS MATERIAL	=	5,120 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	5,120 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

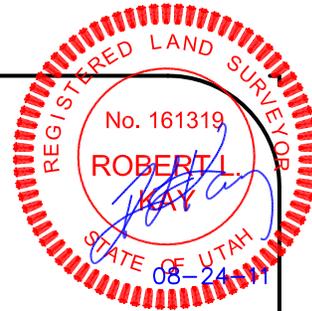
# BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

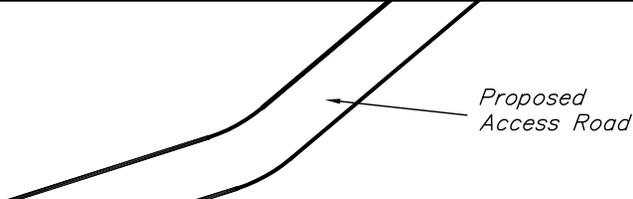
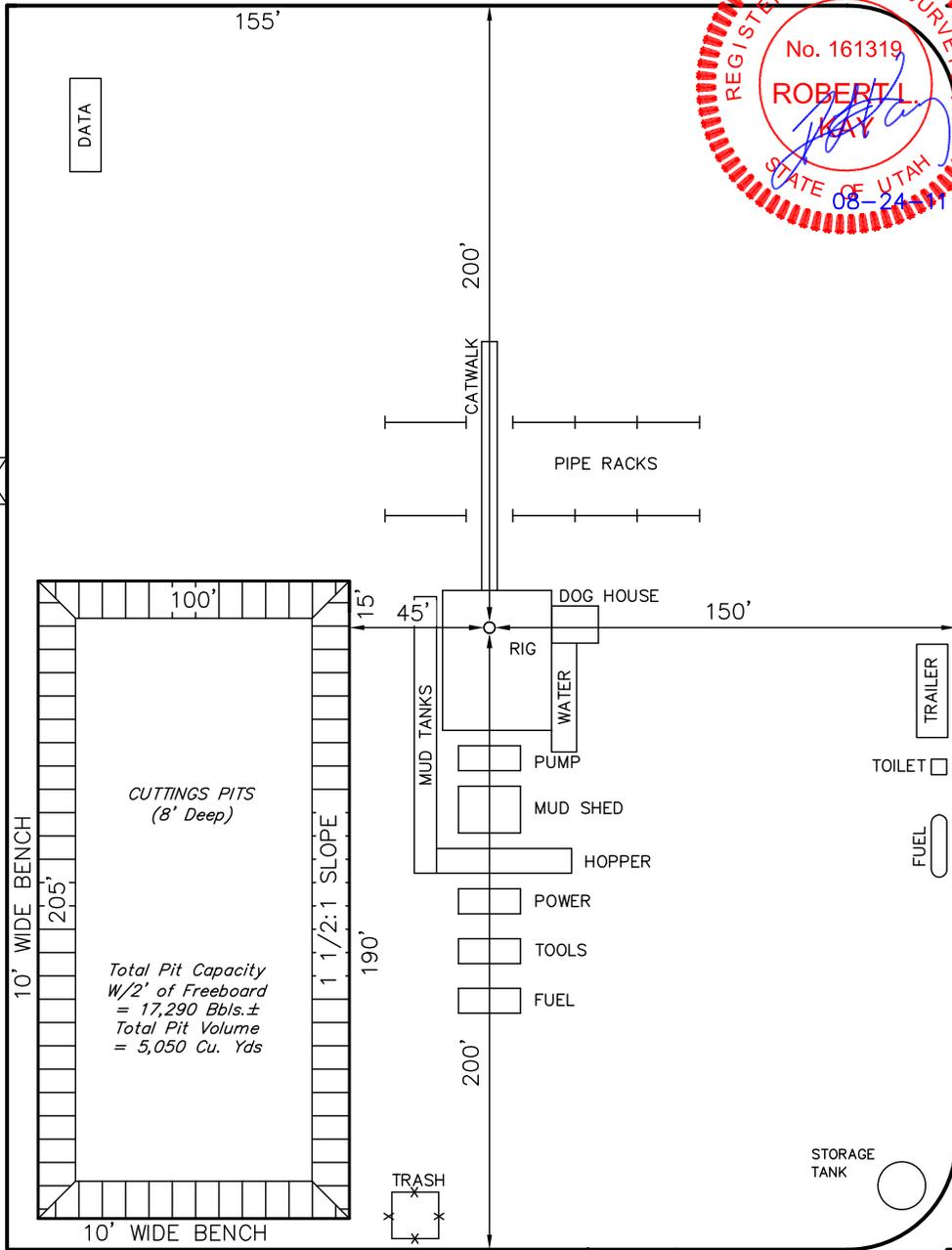
FD STATE #3-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
317' FNL 1740' FWL

FIGURE #3

SCALE: 1" = 60'  
DATE: 08-08-11  
DRAWN BY: Z.L.  
REVISED: 08-24-11



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



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

RECEIVED: November 07, 2011

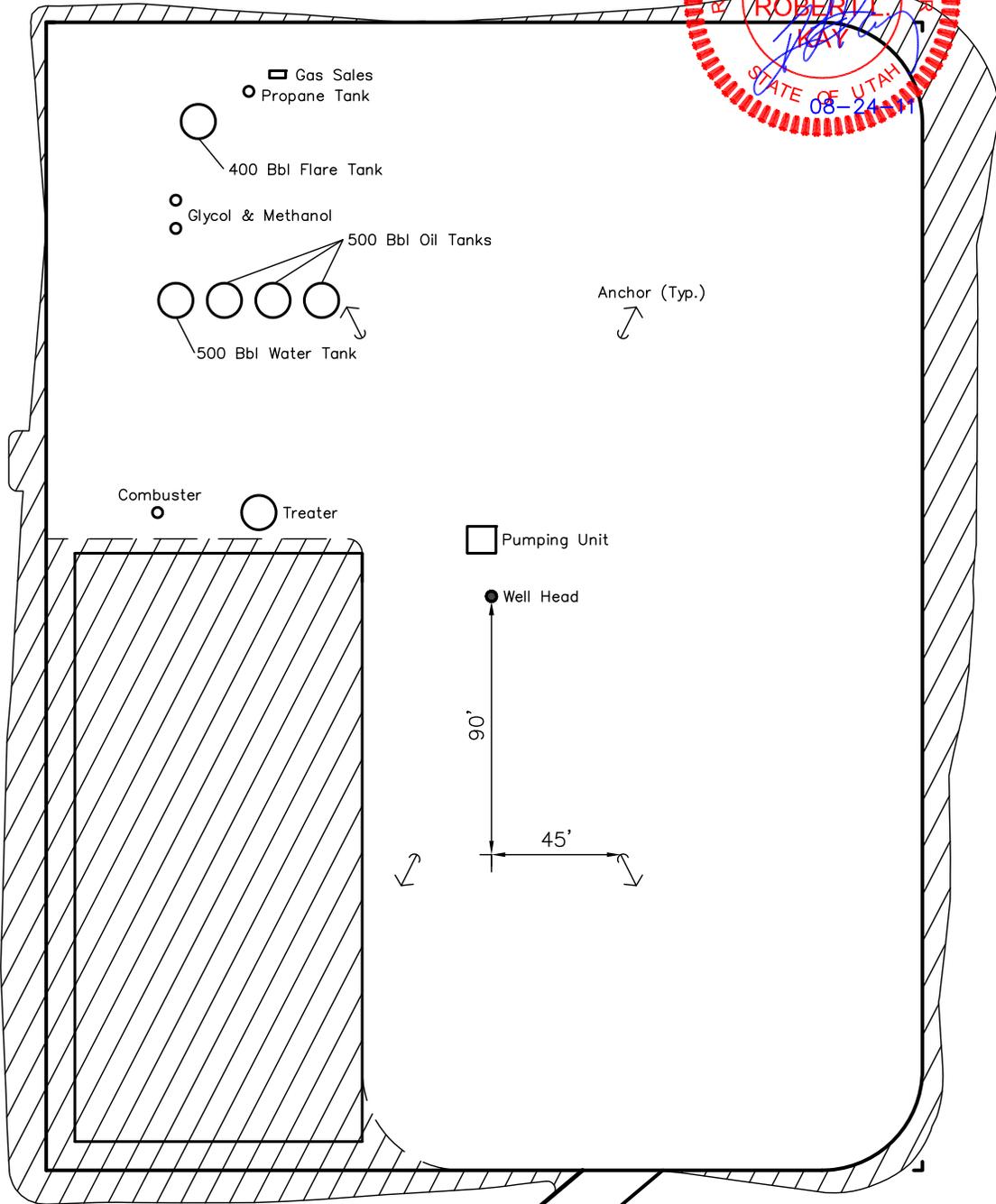
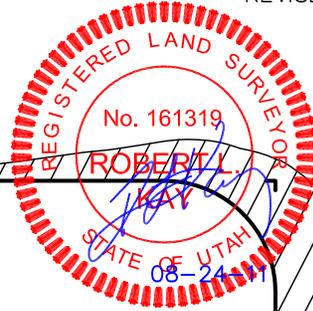
**BILL BARRETT CORPORATION**

**INTERIM RECLAMATION PLAN FOR**

FD STATE #3-36D-6-19  
SECTION 36, T6S, R19E, S.L.B.&M.  
317' FNL 1740' FWL

**FIGURE #4**

SCALE: 1" = 60'  
DATE: 08-08-11  
DRAWN BY: Z.L.  
REVISED: 08-24-11

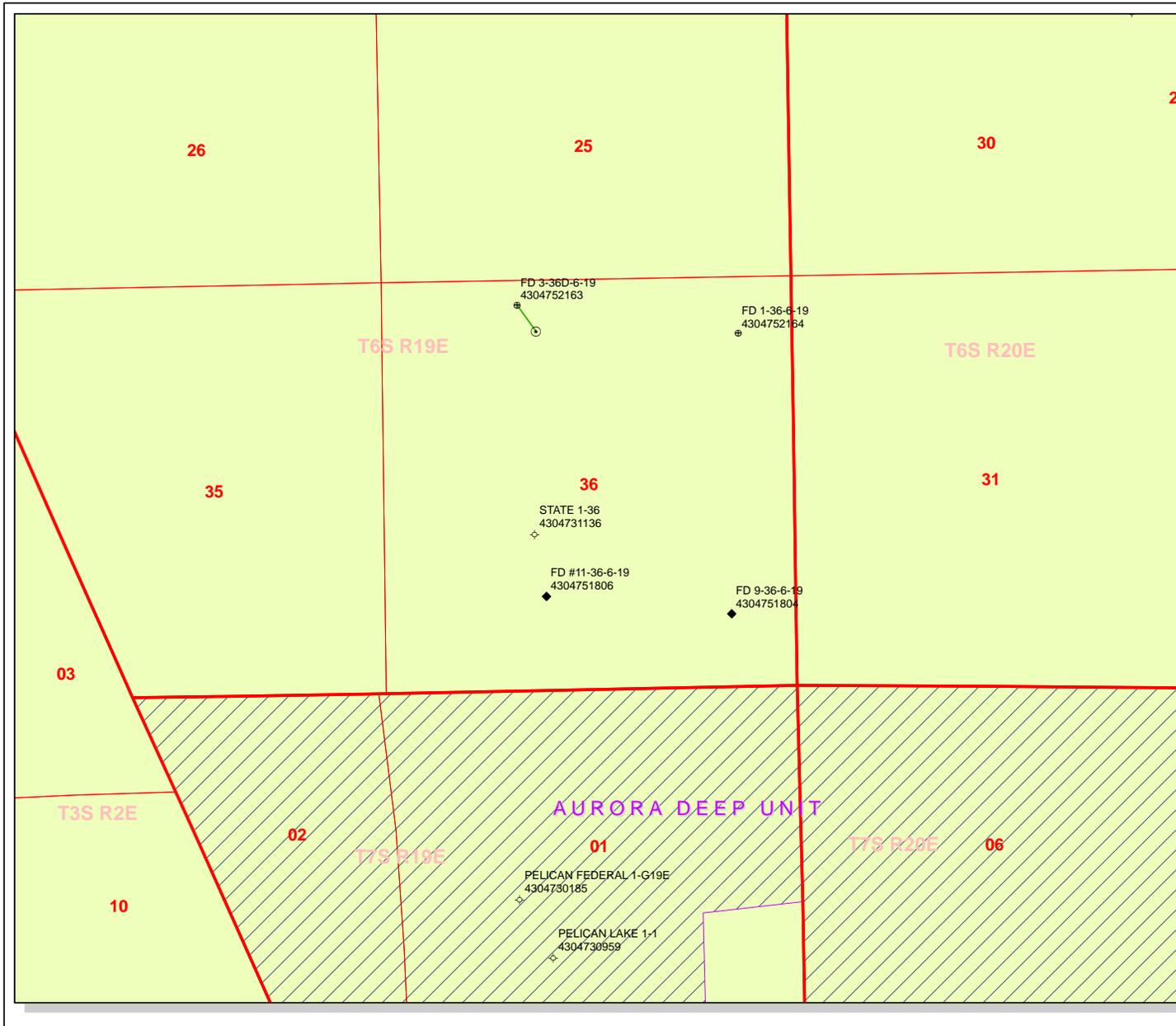


APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 2.224 ACRES

RECLAIMED AREA

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

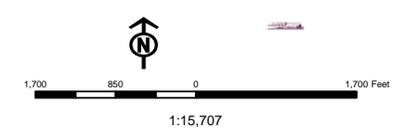
**RECEIVED:** November 07, 2011



**API Number: 4304752163**  
**Well Name: FD 3-36D-6-19**  
**Township T0.6 . Range R1.9 . Section 36**  
**Meridian: SLBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

- | Units Status  | Wells Query Status                 |
|---------------|------------------------------------|
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | LOA - Location Abandoned           |
| PP GEOTHERMAL | OPS - Operation Suspended          |
| PP OIL        | PA - Plugged Abandoned             |
| SECONDARY     | PGW - Producing Gas Well           |
| TERMINATED    | POW - Producing Oil Well           |
|               | RET - Returned APD                 |
|               | SGW - Shut-in Gas Well             |
|               | SOW - Shut-in Oil Well             |
|               | TA - Temp. Abandoned               |
|               | TW - Test Well                     |
|               | WDW - Water Disposal               |
|               | WIW - Water Injection Well         |
|               | WSW - Water Supply Well            |



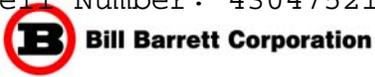
**From:** Jim Davis  
**To:** APD APPROVAL; tfallang@billbarrettcorp.com  
**Date:** 12/20/2011 9:52 AM  
**Subject:** APD approvals (2 for Barrett)

The following wells have been approved by SITLA including arch and paleo clearance.

4304752163 FD 3-36D-6-19  
4304752164 FD 1-36-6-19

Thanks.  
-Jim

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156



SITE DETAILS: FD 3-36D-6-19

Fort Duchesne

Site Centre Latitude: 40° 15' 39.751 N  
Longitude: 109° 44' 1.990 W

Positional Uncertainty: 0.0  
Convergence: 1.16  
Local North: True

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

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
3-36D-6-19 TGR3	7159.0	-342.1	240.3	40° 15' 36.371 N	109° 43' 58.890 W	Rectangle (Sides: L200.0 W200.0)
3-36D-6-19 PBHL	11814.0	-342.1	240.3	40° 15' 36.371 N	109° 43' 58.890 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

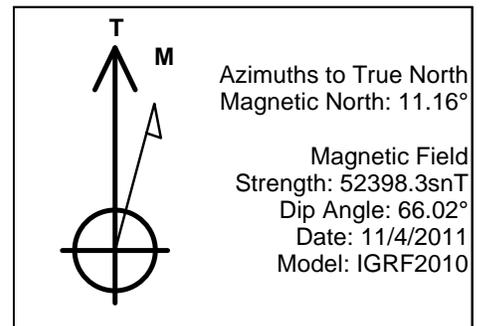
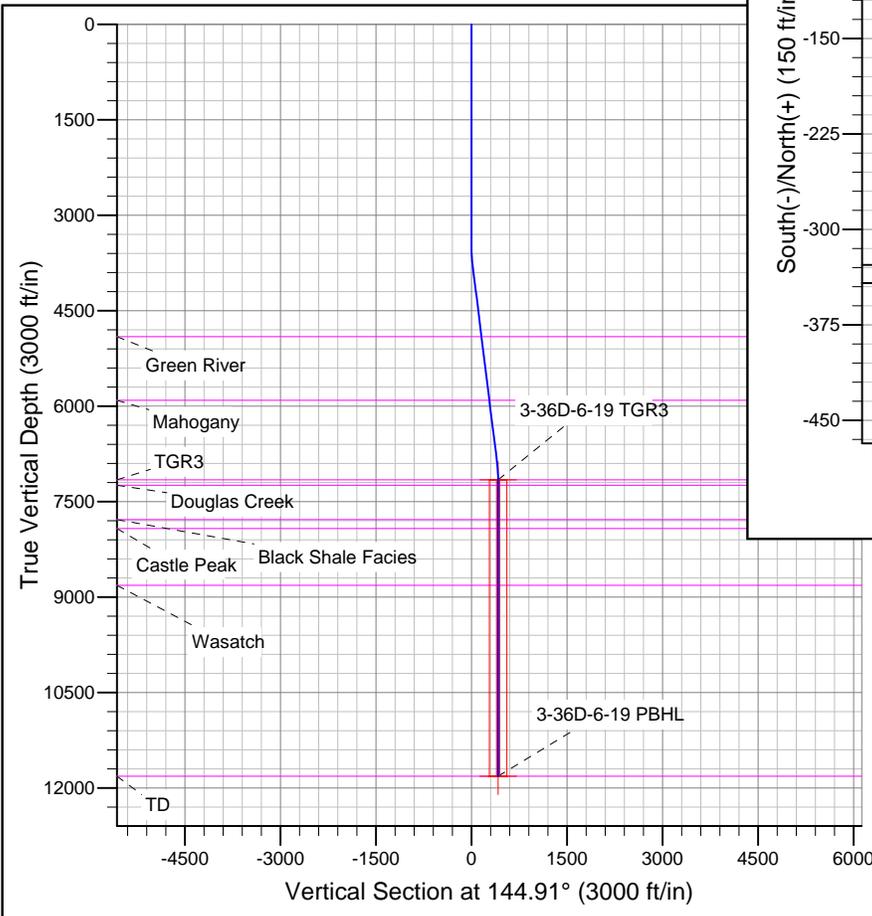
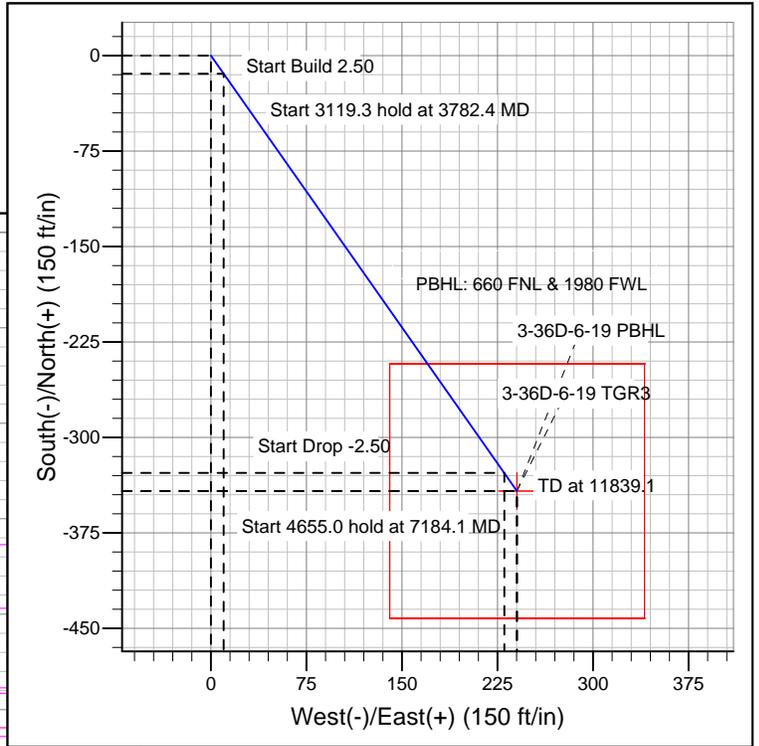
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3500.0	0.00	0.00	3500.0	0.0	0.0	0.00	0.00	0.0	
3	3782.4	7.06	144.91	3781.7	-14.2	10.0	2.50	144.91	17.4	
4	6901.7	7.06	144.91	6877.3	-327.9	230.3	0.00	0.00	400.7	
5	7184.1	0.00	0.00	7159.0	-342.1	240.3	2.50	180.00	418.1	3-36D-6-19 TGR3
Ø	11839.1	0.00	0.00	11814.0	-342.1	240.3	0.00	0.00	418.1	3-36D-6-19 PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4909.0	4918.3	Green River
5909.0	5926.0	Mahogany
7159.0	7184.1	TGR3
7244.0	7269.1	Douglas Creek
7784.0	7809.1	Black Shale Facies
7924.0	7949.1	Castle Peak
8814.0	8839.1	Wasatch
11814.0	11839.1	TD

CASING DETAILS

No casing data is available



# **BILL BARRETT CORP**

**UINTAH COUNTY**

**FD 3-36D-6-19**

**FD 3-36-6-19**

**FD 3-36-6-19**

**Plan: Design #1**

## **Standard Planning Report**

**04 November, 2011**

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site FD 3-36D-6-19
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Site:</b>	FD 3-36D-6-19	<b>North Reference:</b>	True
<b>Well:</b>	FD 3-36-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	FD 3-36-6-19		
<b>Design:</b>	Design #1		

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

<b>Site</b>	FD 3-36D-6-19				
<b>Site Position:</b>		<b>Northing:</b>	-21,328.60 ft	<b>Latitude:</b>	40° 15' 39.751 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,492,941.22 ft	<b>Longitude:</b>	109° 44' 1.990 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.16 °

<b>Well</b>	FD 3-36-6-19					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	-21,328.60 ft	<b>Latitude:</b>	40° 15' 39.751 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,492,941.22 ft	<b>Longitude:</b>	109° 44' 1.990 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	4,971.0 ft

<b>Wellbore</b>	FD 3-36-6-19				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	11/4/2011	11.16	66.03	52,398

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	144.91

<b>Plan Sections</b>										
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	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,782.4	7.06	144.91	3,781.7	-14.2	10.0	2.50	2.50	0.00	144.91	
6,901.7	7.06	144.91	6,877.3	-327.9	230.3	0.00	0.00	0.00	0.00	
7,184.1	0.00	0.00	7,159.0	-342.1	240.3	2.50	-2.50	0.00	180.00	3-36D-6-19 TGR3
11,839.1	0.00	0.00	11,814.0	-342.1	240.3	0.00	0.00	0.00	0.00	3-36D-6-19 PBHL

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site FD 3-36D-6-19
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Site:</b>	FD 3-36D-6-19	<b>North Reference:</b>	True
<b>Well:</b>	FD 3-36-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	FD 3-36-6-19		
<b>Design:</b>	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
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	2.50	144.91	3,600.0	-1.8	1.3	2.2	2.50	2.50	0.00
3,700.0	5.00	144.91	3,699.7	-7.1	5.0	8.7	2.50	2.50	0.00
3,782.4	7.06	144.91	3,781.7	-14.2	10.0	17.4	2.50	2.50	0.00
3,800.0	7.06	144.91	3,799.2	-16.0	11.2	19.5	0.00	0.00	0.00
3,900.0	7.06	144.91	3,898.4	-26.0	18.3	31.8	0.00	0.00	0.00
4,000.0	7.06	144.91	3,997.6	-36.1	25.4	44.1	0.00	0.00	0.00
4,100.0	7.06	144.91	4,096.9	-46.2	32.4	56.4	0.00	0.00	0.00
4,200.0	7.06	144.91	4,196.1	-56.2	39.5	68.7	0.00	0.00	0.00
4,300.0	7.06	144.91	4,295.4	-66.3	46.6	81.0	0.00	0.00	0.00
4,400.0	7.06	144.91	4,394.6	-76.3	53.6	93.3	0.00	0.00	0.00
4,500.0	7.06	144.91	4,493.8	-86.4	60.7	105.6	0.00	0.00	0.00
4,600.0	7.06	144.91	4,593.1	-96.4	67.7	117.9	0.00	0.00	0.00
4,700.0	7.06	144.91	4,692.3	-106.5	74.8	130.1	0.00	0.00	0.00
4,800.0	7.06	144.91	4,791.6	-116.5	81.9	142.4	0.00	0.00	0.00
4,900.0	7.06	144.91	4,890.8	-126.6	88.9	154.7	0.00	0.00	0.00
4,918.3	7.06	144.91	4,909.0	-128.4	90.2	157.0	0.00	0.00	0.00
<b>Green River</b>									
5,000.0	7.06	144.91	4,990.1	-136.7	96.0	167.0	0.00	0.00	0.00

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site FD 3-36D-6-19
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<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Site:</b>	FD 3-36D-6-19	<b>North Reference:</b>	True
<b>Well:</b>	FD 3-36-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	FD 3-36-6-19		
<b>Design:</b>	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	7.06	144.91	5,089.3	-146.7	103.1	179.3	0.00	0.00	0.00	
5,200.0	7.06	144.91	5,188.5	-156.8	110.1	191.6	0.00	0.00	0.00	
5,300.0	7.06	144.91	5,287.8	-166.8	117.2	203.9	0.00	0.00	0.00	
5,400.0	7.06	144.91	5,387.0	-176.9	124.3	216.2	0.00	0.00	0.00	
5,500.0	7.06	144.91	5,486.3	-186.9	131.3	228.5	0.00	0.00	0.00	
5,600.0	7.06	144.91	5,585.5	-197.0	138.4	240.7	0.00	0.00	0.00	
5,700.0	7.06	144.91	5,684.8	-207.1	145.5	253.0	0.00	0.00	0.00	
5,800.0	7.06	144.91	5,784.0	-217.1	152.5	265.3	0.00	0.00	0.00	
5,900.0	7.06	144.91	5,883.2	-227.2	159.6	277.6	0.00	0.00	0.00	
5,926.0	7.06	144.91	5,909.0	-229.8	161.4	280.8	0.00	0.00	0.00	
<b>Mahogany</b>										
6,000.0	7.06	144.91	5,982.5	-237.2	166.6	289.9	0.00	0.00	0.00	
6,100.0	7.06	144.91	6,081.7	-247.3	173.7	302.2	0.00	0.00	0.00	
6,200.0	7.06	144.91	6,181.0	-257.3	180.8	314.5	0.00	0.00	0.00	
6,300.0	7.06	144.91	6,280.2	-267.4	187.8	326.8	0.00	0.00	0.00	
6,400.0	7.06	144.91	6,379.4	-277.4	194.9	339.1	0.00	0.00	0.00	
6,500.0	7.06	144.91	6,478.7	-287.5	202.0	351.4	0.00	0.00	0.00	
6,600.0	7.06	144.91	6,577.9	-297.6	209.0	363.6	0.00	0.00	0.00	
6,700.0	7.06	144.91	6,677.2	-307.6	216.1	375.9	0.00	0.00	0.00	
6,800.0	7.06	144.91	6,776.4	-317.7	223.2	388.2	0.00	0.00	0.00	
6,900.0	7.06	144.91	6,875.7	-327.7	230.2	400.5	0.00	0.00	0.00	
6,901.7	7.06	144.91	6,877.3	-327.9	230.3	400.7	0.00	0.00	0.00	
7,000.0	4.60	144.91	6,975.1	-336.1	236.1	410.7	2.50	-2.50	0.00	
7,100.0	2.10	144.91	7,074.9	-340.8	239.4	416.5	2.50	-2.50	0.00	
7,184.1	0.00	0.00	7,159.0	-342.1	240.3	418.1	2.50	-2.50	-172.37	
<b>TGR3 - 3-36D-6-19 TGR3</b>										
7,200.0	0.00	0.00	7,174.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,269.1	0.00	0.00	7,244.0	-342.1	240.3	418.1	0.00	0.00	0.00	
<b>Douglas Creek</b>										
7,300.0	0.00	0.00	7,274.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,374.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,474.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,574.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,674.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,774.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,809.1	0.00	0.00	7,784.0	-342.1	240.3	418.1	0.00	0.00	0.00	
<b>Black Shale Facies</b>										
7,900.0	0.00	0.00	7,874.9	-342.1	240.3	418.1	0.00	0.00	0.00	
7,949.1	0.00	0.00	7,924.0	-342.1	240.3	418.1	0.00	0.00	0.00	
<b>Castle Peak</b>										
8,000.0	0.00	0.00	7,974.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,074.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,174.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,274.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,374.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,474.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,574.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,674.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,774.9	-342.1	240.3	418.1	0.00	0.00	0.00	
8,839.1	0.00	0.00	8,814.0	-342.1	240.3	418.1	0.00	0.00	0.00	
<b>Wasatch</b>										
8,900.0	0.00	0.00	8,874.9	-342.1	240.3	418.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,974.9	-342.1	240.3	418.1	0.00	0.00	0.00	

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site FD 3-36D-6-19
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4986.0ft (Original Well Elev)
<b>Site:</b>	FD 3-36D-6-19	<b>North Reference:</b>	True
<b>Well:</b>	FD 3-36-6-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	FD 3-36-6-19		
<b>Design:</b>	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)
9,100.0	0.00	0.00	9,074.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,174.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,274.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,374.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,474.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,574.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,674.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,800.0	0.00	0.00	9,774.9	-342.1	240.3	418.1	0.00	0.00	0.00
9,900.0	0.00	0.00	9,874.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,000.0	0.00	0.00	9,974.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,100.0	0.00	0.00	10,074.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,200.0	0.00	0.00	10,174.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,300.0	0.00	0.00	10,274.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,400.0	0.00	0.00	10,374.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,500.0	0.00	0.00	10,474.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,600.0	0.00	0.00	10,574.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,700.0	0.00	0.00	10,674.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,800.0	0.00	0.00	10,774.9	-342.1	240.3	418.1	0.00	0.00	0.00
10,900.0	0.00	0.00	10,874.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,000.0	0.00	0.00	10,974.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,100.0	0.00	0.00	11,074.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,200.0	0.00	0.00	11,174.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,300.0	0.00	0.00	11,274.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,400.0	0.00	0.00	11,374.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,500.0	0.00	0.00	11,474.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,600.0	0.00	0.00	11,574.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,700.0	0.00	0.00	11,674.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,800.0	0.00	0.00	11,774.9	-342.1	240.3	418.1	0.00	0.00	0.00
11,839.1	0.00	0.00	11,814.0	-342.1	240.3	418.1	0.00	0.00	0.00

TD - 3-36D-6-19 PBHL

## Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,918.3	4,909.0	Green River		0.00	
5,926.0	5,909.0	Mahogany		0.00	
7,184.1	7,159.0	TGR3		0.00	
7,269.1	7,244.0	Douglas Creek		0.00	
7,809.1	7,784.0	Black Shale Facies		0.00	
7,949.1	7,924.0	Castle Peak		0.00	
8,839.1	8,814.0	Wasatch		0.00	
11,839.1	11,814.0	TD		0.00	

BOPE REVIEW BILL BARRETT CORP FD 3-36D-6-19 43047521630000

Well Name	BILL BARRETT CORP FD 3-36D-6-19 43047521630000			
String	COND	SURF	PROD	
Casing Size(")	20.000	10.750	5.500	
Setting Depth (TVD)	80	3500	10960	
Previous Shoe Setting Depth (TVD)	0	80	3500	
Max Mud Weight (ppg)	8.8	8.8	11.0	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3580	10640	
Operators Max Anticipated Pressure (psi)	6269		11.0	

Calculations	COND String	20.000	"
Max BHP (psi)	.052*Setting Depth*MW=	37	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	27	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	19	NO
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

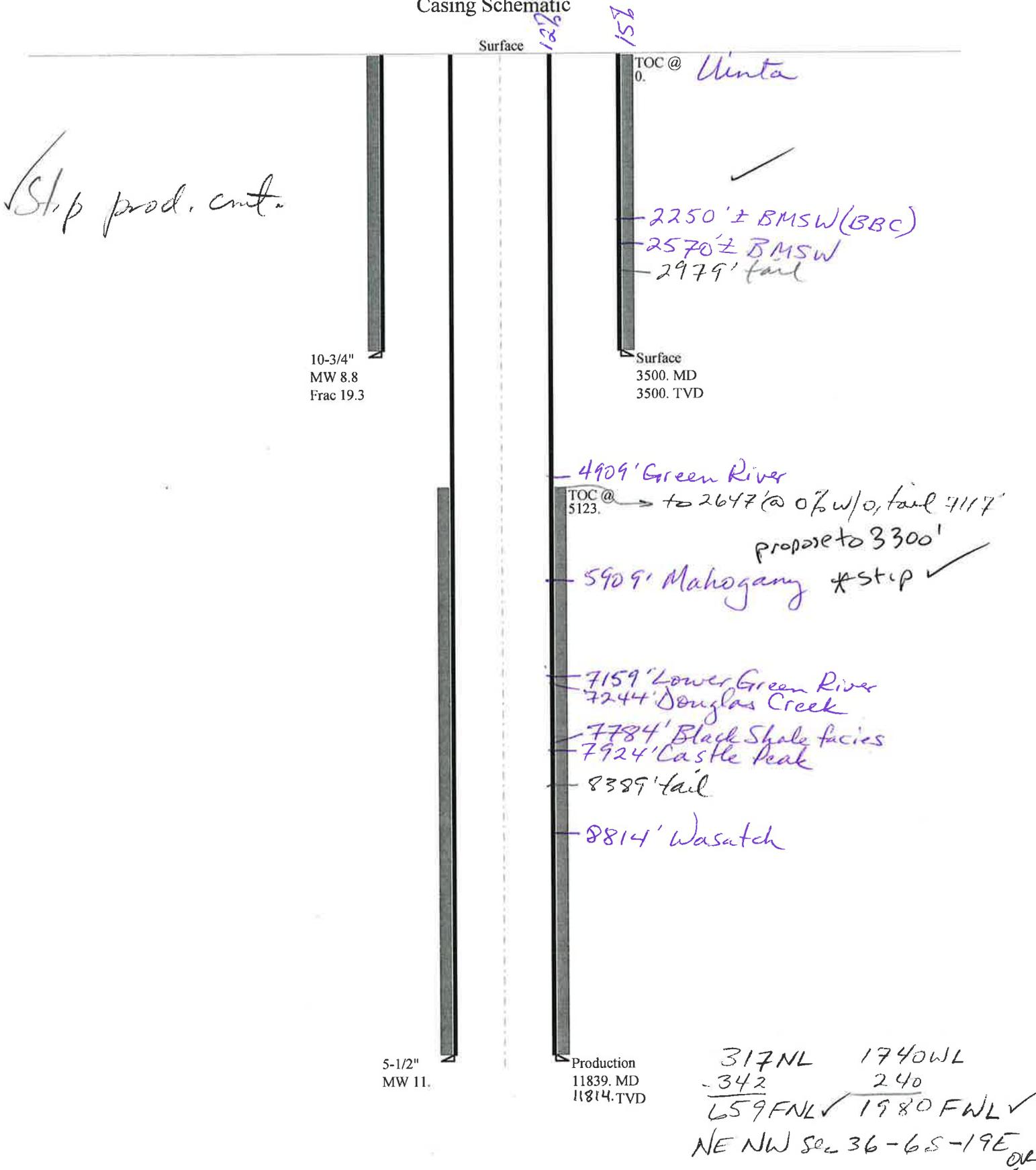
Calculations	SURF String	10.750	"
Max BHP (psi)	.052*Setting Depth*MW=	1602	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1182	NO diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	832	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	850	NO Reasonable depth, no expected pressure
Required Casing/BOPE Test Pressure=		2506	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	6269	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4954	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3858	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4628	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3500	psi *Assumes 1psi/ft frac gradient

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

# 43047521630000 FD 3-36D-6-19

## Casing Schematic



Well name:	<b>43047521630000 FD 3-36-6-19</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Surface	Project ID:	43-047-52163
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 2,730 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 3,500 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: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.60 (B)

Tension is based on air weight.  
 Neutral point: 3,042 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 123 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: Surface

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 11,814 ft  
 Next mud weight: 11.000 ppg  
 Next setting BHP: 6,751 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 3,500 ft  
 Injection pressure: 3,500 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	3500	10.75	45.50	J-55	Buttress	3500	3500	9.825	36933

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	1600	2090	1.306	3500	3580	1.02	159.2	715.3	4.49 B

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

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

Date: June 27, 2012  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 3500 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:	<b>43047521630000 FD 3-36-6-19</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Production	Project ID:	43-047-52163
Location:	UINTAH COUNTY		

**Design parameters:**

**Collapse**  
Mud weight: 11.000 ppg  
Internal fluid density: 1.000 ppg

**Burst**  
Max anticipated surface pressure: 4,152 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP: 6,751 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: 9,868 ft

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 239 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 5,123 ft

**Directional well information:**

Kick-off point: 3500 ft  
Departure at shoe: 418 ft  
Maximum dogleg: 2.5 °/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	11839	5.5	17.00	P-110	LT&C	11814	11839	4.767	77981
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	6137	7480	1.219	6751	10640	1.58	200.8	445	2.22 J

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

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

Date: June 27, 2012  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 11814 ft, a mud weight of 11 ppg. An internal gradient of .052 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.  
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

**BOPE REVIEW**

**Bill Barrett FD 3-36D-6-19cont. API 43-047-52163-0000**

Well Name

Bill Barrett FD 3-36D-6-19cont. API 43-047-52163-0000

	String 1	String 2	String 3
Casing Size (")	10 3/4	7 5/8	5 1/2
Setting Depth (TVD)	3500	8814	11814
Previous Shoe Setting Depth (TVD)	80	3500	8814
Max Mud Weight (ppg)	8.8	9.7	11
BOPE Proposed (psi)	0	5000	5000
Casing Internal Yield (psi)	3580	9470	10640
Operators Max Anticipated Pressure (psi)	6757		11.0 ppg

**Calculations**

String 1 10 3/4 "

Max BHP [psi]	.052*Setting Depth*MW =	1602	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	1182	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	832	NO
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	849	NO
Required Casing/BOPE Test Pressure		2506 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		80 psi	*Assumes 1psi/ft frac gradient

**Calculations**

String 2 7 5/8 "

Max BHP [psi]	.052*Setting Depth*MW =	4446	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3388	YES
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2507	YES
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	3277	YES
Required Casing/BOPE Test Pressure		5000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		3500 psi	*Assumes 1psi/ft frac gradient

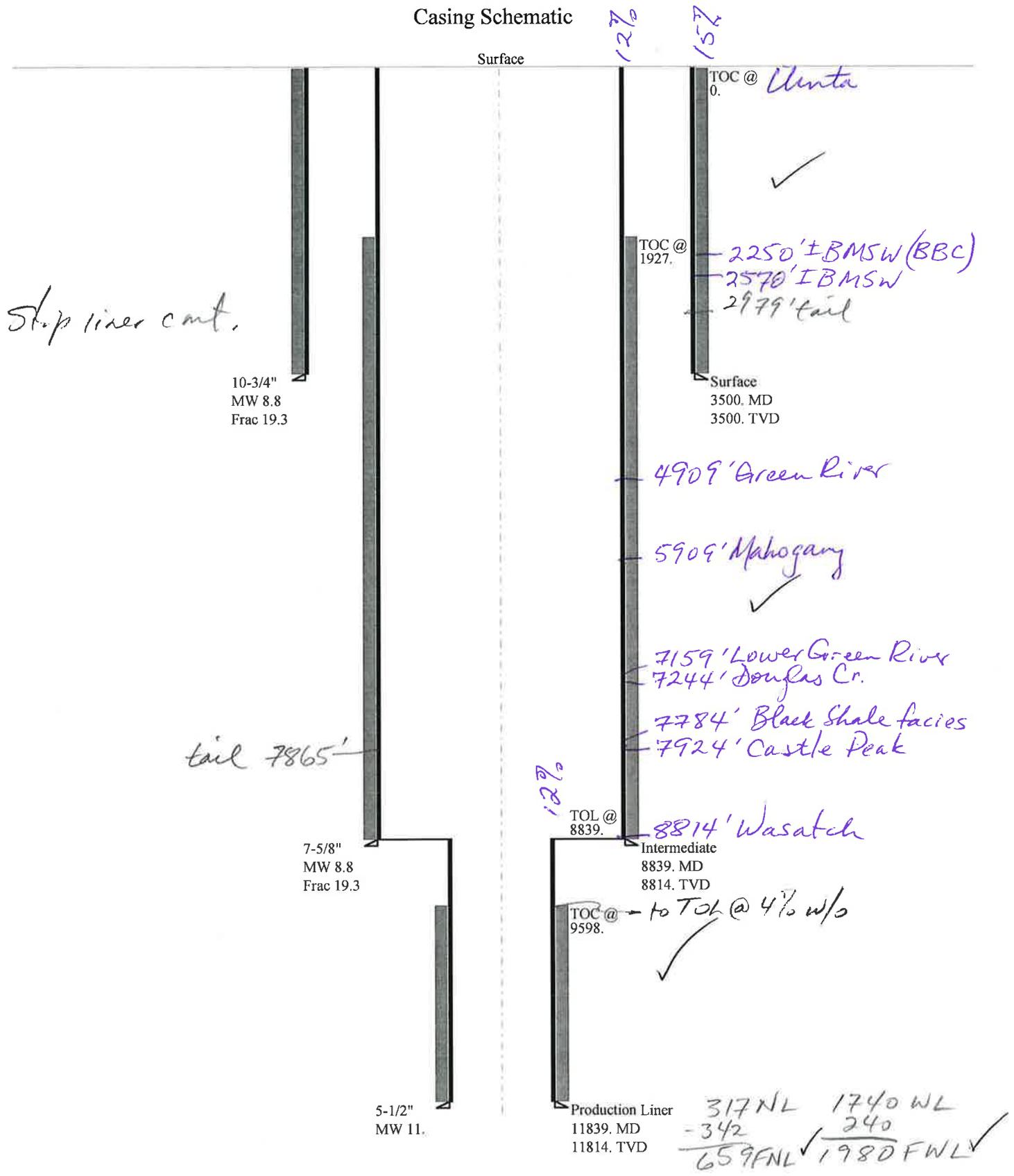
**Calculations**

String 3 5 1/2 "

Max BHP [psi]	.052*Setting Depth*MW =	6758	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	5340	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	4159	YES
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	6098	YES
Required Casing/BOPE Test Pressure		5000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		8814 psi	*Assumes 1psi/ft frac gradient

# 43047521630000 FD 3-36-6-19cont

## Casing Schematic



Stop liner cont.

tail 7865'

317NL	1740WL
-342	240
659FNL	1980FWL ✓

NENW Sec 36-65-19E

Well name:	<b>43047521630000 FD 3-36-6-19cont</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Intermediate	Project ID:	43-047-52163
Location:	UINTAH COUNTY		

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

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

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

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 197 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 1,927 ft

**Burst**

Max anticipated surface pressure: 4,152 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 6,091 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
Neutral point: 7,680 ft

**Directional Info - Build & Drop**

Kick-off point 3500 ft  
Departure at shoe: 418 ft  
Maximum dogleg: 2.5 °/100ft  
Inclination at shoe: 0 °

**Re subsequent strings:**

Next setting depth: 11,814 ft  
Next mud weight: 11.000 ppg  
Next setting BHP: 6,751 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 8,814 ft  
Injection pressure: 8,814 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	8839	7.625	29.70	P-110	LT&C	8814	8839	6.75	102732
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	4029	5350	1.328	6091	9470	1.55	261.8	769	2.94 J

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

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

Date: February 2, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 8814 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.

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:	<b>43047521630000 FD 3-36-6-19cont</b>		
Operator:	<b>BILL BARRETT CORP</b>		Project ID:
String type:	Production Liner		43-047-52163
Location:	UINTAH COUNTY		

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

Mud weight: 11.000 ppg  
Internal fluid density: 1.000 ppg

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

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 239 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 9,598 ft

**Burst**

Max anticipated surface pressure: 4,152 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 6,751 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: 11,299 ft

Liner top: 8,639 ft

**Directional Info - Build & Drop**

Kick-off point 3500 ft  
Departure at shoe: 418 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	3239	5.5	17.00	P-110	LT&C	11814	11839	4.767	21335
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	6137	7480	1.219	6751	10640	1.58	55.1	445	8.08 J

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

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

Date: February 2, 2012  
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 11814 ft, a mud weight of 11 ppg. An 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.*

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** BILL BARRETT CORP  
**Well Name** FD 3-36D-6-19  
**API Number** 43047521630000      **APD No** 4893    **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NENW    **Sec** 36    **Tw** 6.0S    **Rng** 19.0E    317 FNL 1740 FWL  
**GPS Coord (UTM)** 607667 4457287      **Surface Owner**

### Participants

Cody Rich (UELS), Don Hamilton (Starpoint), Matt Wold (BBC), Chris Jensen (DOGM), Jim Davis (SITLA), Ben Williams and Alex Smith (DWR), Jeff White (BBC)

### Regional/Local Setting & Topography

This location sits approximately 5 miles north west of Pelican Lake and 3.5 miles south of Hwy 40 between Vernal and Roosevelt, UT. This area is made up of broken hills and scattered rock ridges. To the north and west there lie some irrigated farm and pasture land and directly below the location to the west lies the Ouray Park irrigation canal. Drainage from this location is to the canal.

### Surface Use Plan

#### **Current Surface Use**

Wildlfe Habitat

#### **New Road**

**Miles**

0.8

#### **Well Pad**

**Width** 305    **Length** 400

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Sage, rabbit brush, 4 wing, sparse grasses

Pronghorn, rabbit, coyote

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

Sandy loam, with exposed rock outcroppings

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** Y

Small drainage must be diverted

**Berm Required? Y**

Ouray Park Canal immediately below location

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

<b>Distance to Groundwater (feet)</b>	25 to 75	15
<b>Distance to Surface Water (feet)</b>	200 to 300	10
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	45    1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit is 205ft by 100ft by 8ft deep. It is placed in a cut stable location. Bill Barrett typically uses a 20 mil liner and this will be adequate for this site.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 20    Pit Underlayment Required? Y****Other Observations / Comments**

Richard Powell  
Evaluator

12/8/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

2/16/2012

## Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4893	43047521630000	LOCKED	OW	S	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>		
<b>Well Name</b>	FD 3-36D-6-19		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NENW 36 6S 19E S 317 FNL	1740 FWL	GPS Coord		
	(UTM) 607610E	4457496N			

### Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 3,500 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 2,570'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. 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. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill  
APD Evaluator

12/19/2011  
Date / Time

### Surface Statement of Basis

This proposed well is on state surface with state minerals. Jim Davis of SITLA attended this presite but stated that he no concerns or special requests for this site. Ben William of the DWR was also in attendance but stated that he had no wildlife concerns and requested no stipulations. According to permit consultant Don Hamilton the Ouray Park Canal company plans to pipe the canal. Due to the close proximity of the canal and exposed rock requiring blasting this reserve pit will require a minimum 20 mil liner and felt sub liner. Also, the location must be bermed to prevent spilled or leaked fluid from reaching the canal.

Richard Powell  
Onsite Evaluator

12/8/2011  
Date / Time

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

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/7/2011

API NO. ASSIGNED: 43047521630000

WELL NAME: FD 3-36D-6-19

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: NENW 36 060S 190E

Permit Tech Review: 

SURFACE: 0317 FNL 1740 FWL

Engineering Review: 

BOTTOM: 0660 FNL 1980 FWL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.26101

LONGITUDE: -109.73452

UTM SURF EASTINGS: 607610.00

NORTHINGS: 4457496.00

FIELD NAME: WILDCAT

LEASE TYPE: 3 - State

LEASE NUMBER: ML-50801

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 3 - State

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: 49-2336
- RDCC Review: 2012-02-09 00:00:00.0
- 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: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
 12 - Cement Volume (3) - hmacdonald  
 14 - Commingling Temporary Denial - ddoucet  
 15 - Directional - dmason  
 21 - RDCC - dmason  
 23 - Spacing - dmason



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** FD 3-36D-6-19  
**API Well Number:** 43047521630000  
**Lease Number:** ML-50801  
**Surface Owner:** STATE  
**Approval Date:** 2/16/2012

**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 R649-3-11. The expected producing formation or pool is the 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.

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3300' MD as indicated in the submitted drilling plan.

Downhole commingling between formations cannot occur until the provisions of Rule R649-3-22, Completion Into Two or More Pools, have been met.

**Additional Approvals:**

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

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

**Notification Requirements:**

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

- Within 24 hours following the spudding of the well contact Carol Daniels  
OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

**Contact Information:**

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

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

**Reporting Requirements:**

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

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

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047521630000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0317 FNL 1740 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

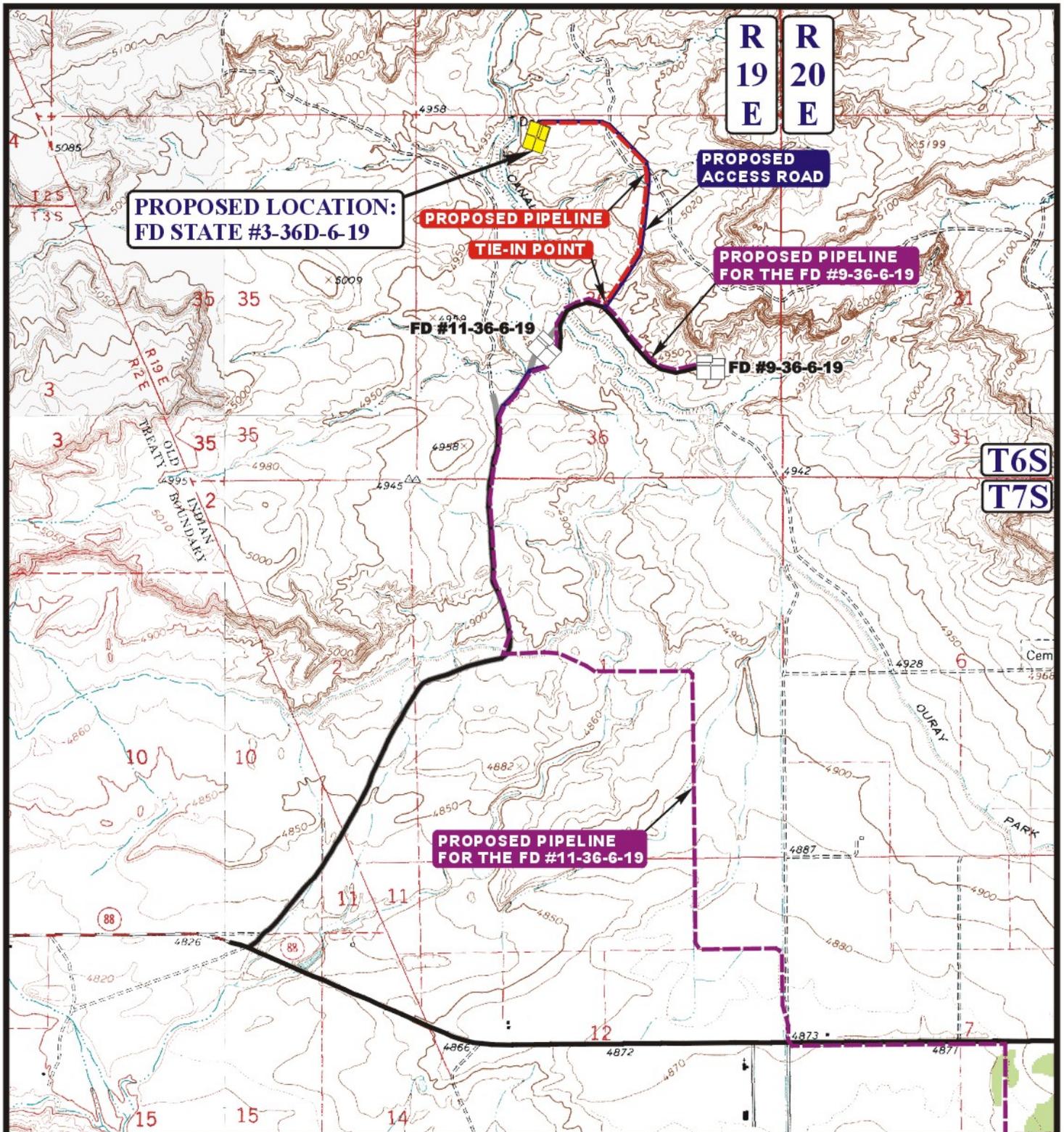
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/1/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Pipeline"/>

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

Approximately 4021' of pipeline corridor (See Topo D) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending southerly until reaching the tie in point to the FD 9-36-6-19 pipeline. Pipelines would be constructed of steel, polyethylene or fiberglass. The pipeline crosses entirely State surface.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
March 07, 2012**

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/29/2012	



**APPROXIMATE TOTAL PIPELINE DISTANCE = 4,021' +/-**

**LEGEND:**

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

**BILL BARRETT CORPORATION**

**FD STATE #3-36D-6-19**  
**SECTION 36, T6S, R19E, S.L.B.&M.**  
**317' FNL 1740' FWL**



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



**TOPOGRAPHIC**  
**MAP**

**11 09 11**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: S.F. REVISED: 00-00-00

**D**  
**TOPO**

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047521630000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
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		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/1/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input checked="" 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.		
<p>In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, completion into two or more pools, BBC is submitting this sundry to request commingling approval for the Green River and Wasatch formations. Oil and associated gas composition is similar across all formations. The pressure profile across the formations is similar and BBC does not anticipate any cross flow. Production is considered to be from one pool. In the event that allocation by zone or interval is required, BBC would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval. A letter and affidavit of notice is attached.</p>		<p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p><b>Date:</b> <u>March 22, 2012</u></p> <p><b>By:</b> <u><i>Derek Duff</i></u></p>
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 2/29/2012



February 29, 2012

Utah Division of Oil, Gas and Mining  
Attention: Dustin Doucet  
1594 West North Temple, Suite 1120  
Salt Lake City, Utah 84116

RE: Commingling Application  
FD 3-36D-6-19  
NENW, Section 36 T6S R19E  
Uintah County, UT

Dear Mr. Doucet,

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the subject well located in the Fort Duchesne Field. In compliance with Utah OGM regulation R649-3-22, BBC had enclosed copies of the completed notifications.

Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

A handwritten signature in blue ink that reads 'Thomas J. Abell' with a stylized flourish at the end.

Thomas J. Abell  
Landman

Enclosures



AFFIDAVIT OF NOTICE

My name is Thomas J. Abell. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Fort Duchesne Field:

FD 3-36D-6-19 1          NENW          36 T6S-R19E

In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notices, by certified mail, to the owners as listed below of all contiguous oil and gas Leases or drilling units overlying the pool.

Lessors

Utah Trust Lands

Date: February 29, 2012

Affiant

  
Thomas J. Abell  
Landman



February 29, 2012

Utah Trust Lands  
675 East 500 South, Suite 500  
Salt Lake City, Utah 84102

RE: Commingling Notices  
FD 3-36D-6-19  
Uintah County, UT

Dear Sir or Madam,

Bill Barrett Corporation has submitted a Sundry Notice to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the Sundry Notice together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

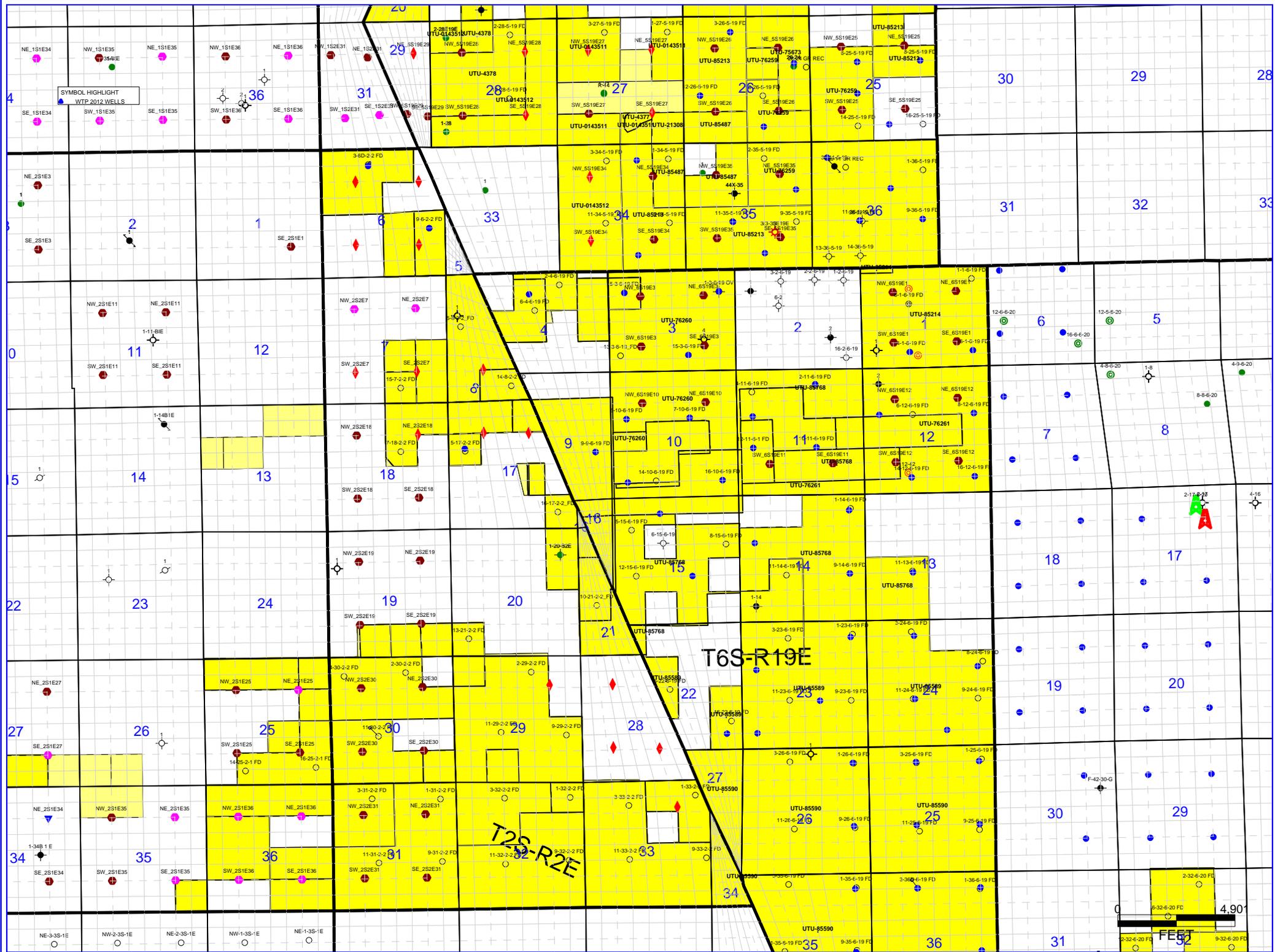
Should you require additional information in this regards, please feel free to contact me at 303-299-9935. Your earliest attention to this matter is appreciated.

BILL BARRETT CORPORATION

A handwritten signature in blue ink that reads 'Venessa Spangmacker'.

Thomas J. Abell  
Landman

Enclosures



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-50801
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0317 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/1/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
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	<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.

BBC plans to drill this well shallower than originally permitted. We would like to revise the well design based on a shallower TD and BBC's recent drilling in the area on the FD 9-36-6-19, FD 11-36-6-19, Aurora 15-28D-7-20 and Aurora 3-20D-7-20, along with the recent drilling results on the 4 offset Axia wells. Please see revised drilling program attached.

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

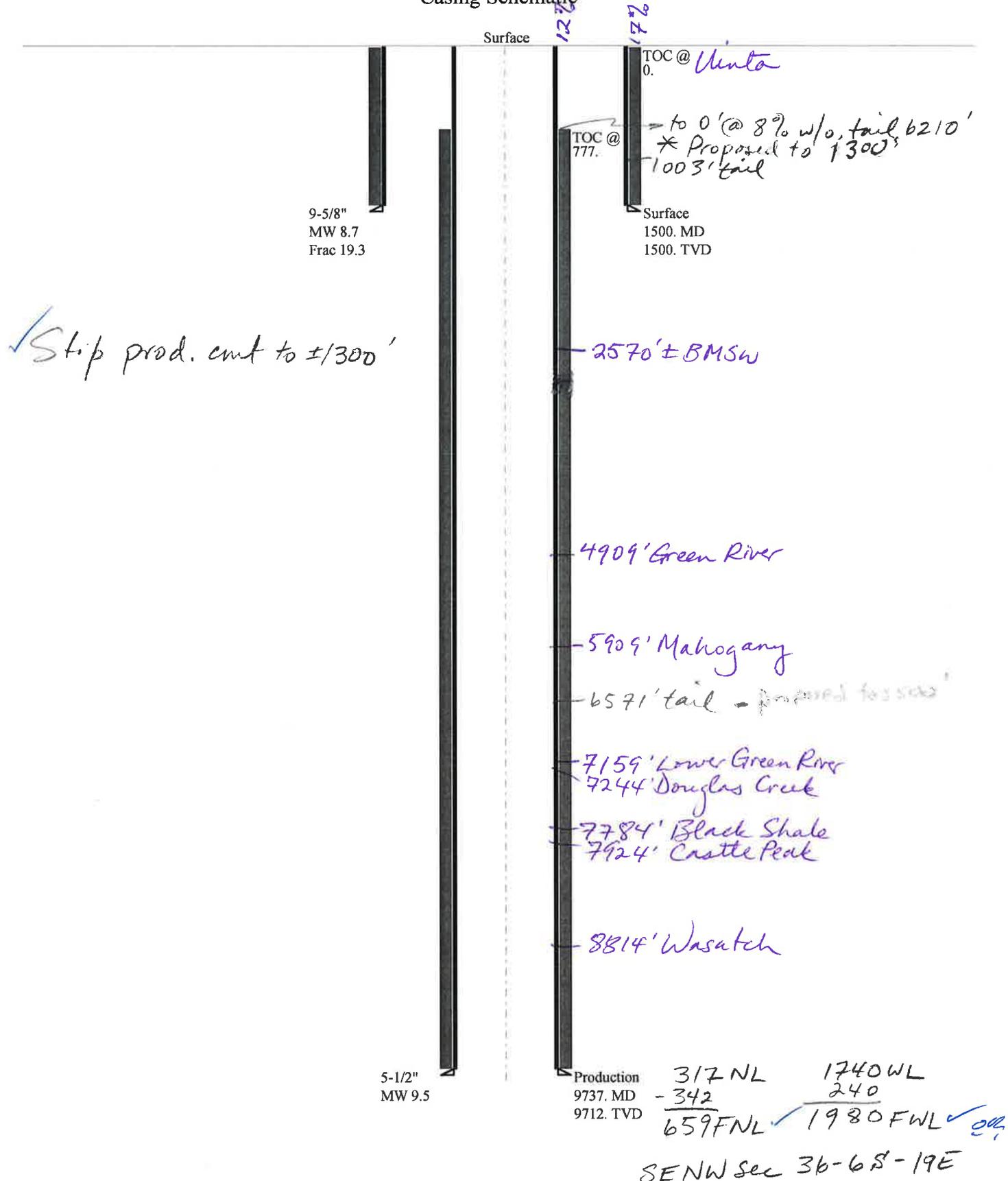
**Date:** June 27, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/11/2012	

# 43047521630000 FD 3-36-6-19rev

## Casing Schematic



Well name:	<b>43047521630000 FD 3-36-6-19rev</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Surface	Project ID:	43-047-52163
Location:	UINTAH	COUNTY	

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

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

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

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 95 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 1,170 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 1,500 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: 1,307 ft

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

Next setting depth: 9,712 ft  
Next mud weight: 9.500 ppg  
Next setting BHP: 4,793 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,500 ft  
Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	13038
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	678	2020	2.980	1500	3520	2.35	54	394	7.30 J

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

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

Date: June 27, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43047521630000 FD 3-36-6-19rev</b>		
Operator:	<b>BILL BARRETT CORP</b>		
String type:	Production	Project ID:	43-047-52163
Location:	UINTAH COUNTY		

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

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

**Burst**

Max anticipated surface pressure: 2,656 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP: 4,793 psi

No backup mud specified.

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

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.

Neutral point: 8,338 ft

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 210 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 777 ft

**Directional well information:**

Kick-off point: 3500 ft  
Departure at shoe: 418 ft  
Maximum dogleg: 2.5 °/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	9737	5.5	17.00	P-110	LT&C	9712	9737	4.767	64136
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	4793	7480	1.561	4793	10640	2.22	165.1	445	2.70 J

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

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

Date: June 27, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9712 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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 3-36-6-19rev** **API 43-047-52163-0000**

<b>INPUT</b>	
Well Name	Bill Barrett 3-36-6-19rev API 43-047-52163-0000
Casing Size (")	String 1 9 5/8 String 2 5 1/2
Setting Depth (TVD)	1500 9712
Previous Shoe Setting Depth (TVD)	0 1500
Max Mud Weight (ppg)	8.8 9.5
BOPE Proposed (psi)	500 5000
Casing Internal Yield (psi)	3520 10640
Operators Max Anticipated Pressure (psi)	4841 9.6 ppg

<b>Calculations</b>	
Max BHP [psi]	String 1 9 5/8 " 686
MAASP (Gas) [psi]	.052*Setting Depth*MW = 506 BOPE Adequate For Drilling And Setting Casing at Depth? NO air/mist/spud mud
MAASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 356 YES
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 356 *Can Full Expected Pressure Be Held At Previous Shoe? NO
Required Casing/BOPE Test Pressure	1500 psi
*Max Pressure Allowed @ Previous Casing Shoe =	0 psi *Assumes 1psi/ft frac gradient

<b>Calculations</b>	
Max BHP [psi]	String 2 5 1/2 " 4798
MAASP (Gas) [psi]	.052*Setting Depth*MW = 3632 BOPE Adequate For Drilling And Setting Casing at Depth? YES
MAASP (Gas/Mud) [psi]	Max BHP-(0.12*Setting Depth) = 2661 YES
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 2991 *Can Full Expected Pressure Be Held At Previous Shoe? NO
Required Casing/BOPE Test Pressure	5000 psi
*Max Pressure Allowed @ Previous Casing Shoe =	1500 psi *Assumes 1psi/ft frac gradient

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

**FD 3-36D-6-19**

NE NW, 317' FNL and 1740' FWL, Section 36, T6S-R19E, SLB&M (surface hole)

NE NW, 660' FNL and 1980' FWL, Section 36, T6S-R19E, SLB&M (bottom hole)

Uintah County, Utah

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

<b>Formation</b>	<b>Depth – MD</b>
Green River*	4,909'
Mahogany	5,909'
Lower Green River*	7,159'
Douglas Creek	7,244'
Black Shale*	7,784'
Castle Peak*	7,924'
Wasatch*	8,814'
TD	9,737'

\*PROSPECTIVE PAY

The Wasatch and the Green River are primary objectives for oil/gas.

**3. BOP and Pressure Containment Data**

<b>Depth Intervals</b>	<b>BOP Equipment</b>
0 – 1,500'	No pressure control required (may pre-set 9-5/8" will smaller rig)
1,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

<b>Hole Size</b>	<b>SETTING DEPTH</b>		<b>Casing Size</b>	<b>Casing Weight</b>	<b>Casing Grade</b>	<b>Thread</b>	<b>Condition</b>
	<b>(FROM)</b>	<b>(TO)</b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1,500'	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

\*The casing program is based on recent wells drilled by Axia in the immediate area.

**Note: 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:**

Bill Barrett Corporation  
 Drilling Program  
 FD 3-36D-6-19  
 Uintah County, Utah

- 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 a minimum of 100 feet from the well bore
- 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

#### 5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 200 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 225 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess. TOC @ 1,300'
5 1/2" Production Casing	Lead: 900 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,300' Tail: 800 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 5,550'

#### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 1,500'	Air/Mist/Mud 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1,500' – 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – TD	9.4 – 9.5	42-58	25 cc or less	DAP 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.

Bill Barrett Corporation  
Drilling Program  
FD 3-36D-6-19  
Uintah County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4841 psi.

**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 trucked from the Green River located in Sec. 33, T8S-R20E.

**11. Drilling Schedule**

Location Construction: July 2012  
Spud: July 2012  
Duration: 15 days drilling time  
45 days completion time

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company; BILL BARRETT CORPORATION

Well Name: FD 3-36D-6-19

Api No: 43-047-52163 Lease Type STATE

Section 36 Township 06S Range 19E County UINTAH

Drilling Contractor TRIPLE A DRILLING RIG # BUCKET

### SPUDDED:

Date 07/11/2012

Time 11:00 AM

How DRY

**Drilling will  
Commence:** \_\_\_\_\_

Reported by TRACEY FALLANG

Telephone # \_\_\_\_\_

Date 07/11/2012 Signed CHD

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047521630000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0317 FNL 1740 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>5. COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/11/2012	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<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"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">This well was spud on 7/11/2012.</p> <div style="text-align: right; padding-right: 50px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>July 18, 2012</p> </div>		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/17/2012	

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

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
 Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752163	FD 3-36D-6-19		NENW	36	6S	19E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	999999	186615	7/11/2012			7-18-2012	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 8:00 am. GRRV							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334022	LC Tribal 14-23D-47		SWSE	23	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	999999	186616	7/11/2012			7-18-2012	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 8:00 am. WSTC							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351180	LC Tribal 16-23D-47		SWSE	23	4S	7W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	999999	186617	7/13/2012			7-18-2012	
<b>Comments:</b> Spudding Operation was conducted by Triple A Drilling @ 8:00 am. WSTC							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

7/17/2012

Title

Date

RECEIVED  
JUL 18 2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: ML-50801
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 3-36D-6-19
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047521630000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0317 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT  COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input 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: 7/31/2012	<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.

July 2012 monthly drilling activity report is attached.

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

**FOR RECORD ONLY**

August 08, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/2/2012	

**3-36D-6-19 FD 7/16/2012 06:00 - 7/17/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	1	RIGUP & TEARDOWN	Move equipment with R.W. Jones trucks.
12:00	6.00	18:00	1	RIGUP & TEARDOWN	Continue moving equipment to new location. Crews moved to FD 3-36D-6-19 to start rigging up. See 24 hour summary for rig listing of rig up progress. SDFN.

**3-36D-6-19 FD 7/17/2012 06:00 - 7/18/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	Continue rigging up Frontier Rig #15. Set drawworks in place. Raise derrick and install sub pieces/beams/supports. Rig up floor. Set doghouse and all stairways. Fill water tanks. Pick up swivel, kelly and mouse hole.
18:00	12.00	06:00	1	RIGUP & TEARDOWN	Run cable, lines and hoses. Install conductor and flowline. Rig up mud tanks/shakers/mud cleaner. Final rig up on rig floor. Tighten kelly. Rig up yellow dog pump, pre-mix tank and bulk product silos. P/U 12-1/4" PDC Bit, 8" Mud Motor, 8" NMDC, xo sub and kelly.

**3-36D-6-19 FD 7/18/2012 06:00 - 7/19/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	Work to get Yellow Dog reserve pit pump pumping.
07:00	2.00	09:00	2	DRILL ACTUAL	Rotary drill 94' to 199'. Spudded FD #3-36D-6-19 at 07:00 hrs July 18, 2012.
09:00	3.00	12:00	6	TRIPS	L/D 3 joints of 4-1/2" HWDP. P/U Steerable BHA #1.
12:00	3.00	15:00	2	DRILL ACTUAL	Steerable drill 199' to 403'. (204' @ 68 fph, WOB 10/25k, RPM 45, GPM 420, SPP 850, DIFF 250) 100% rotary drilled.
15:00	0.50	15:30	7	LUBRICATE RIG	Rig service.
15:30	13.50	05:00	2	DRILL ACTUAL	Steerable drill 403' to 1525'. (1122' @ 83 fph, WOB 30k, RPM 45, GPM 525, SPP 1100, DIFF 300) 100% rotate.
05:00	0.50	05:30	5	COND MUD & CIRC	Pump 40 bbl hi-vis sweep around.
05:30	0.50	06:00	6	TRIPS	TOOH for wiper trip to 6-1/2" DC's.

**3-36D-6-19 FD 7/19/2012 06:00 - 7/20/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	Wiper Trip to 6 1/2 DC's
07:30	1.00	08:30	5	COND MUD & CIRC	Circ. Sweep
08:30	3.50	12:00	6	TRIPS	Mix & pump slug, TOOH to run 9 5/8 casing, LD 8" DC's and Dirc Tools
12:00	6.00	18:00	12	RUN CASING & CEMENT	Held Safety Mtg. & Rig Up Casers to run 9 5/8 casing Rig down casers
18:00	0.50	18:30	5	COND MUD & CIRC	Circ. Safety Meeting w/ Halliburton
18:30	2.00	20:30	12	RUN CASING & CEMENT	Rig up Halliburton, pressure test lines to 5000 psi, pump 20 bbl H2O spacer, pump 40 bbl super flush, pump 20 bbl H2O, pump 113 bbl lead cement @ 6 bpm 200 sks 11 ppg yield @ 3.16, pump tail cement 54 bbl @ 6 bpm 230 sks 14.8 ppg yield @ 1.33 Shut down drop plug, wash up on plug displace w/ 114 bbl, pressured up to 1347 psi returns thru out job floats held 1 bbl back
20:30	3.50	00:00	13	WAIT ON CEMENT	after 1 hr cement dropped 1' and staid, drained and washed up conductor and cellar
00:00	2.50	02:30	21	CUT OFF CASING	Cut off casing and weld on wellhead
02:30	3.00	05:30	14	NIPPLE UP B.O.P	nipple up BOP

**3-36D-6-19 FD 7/20/2012 06:00 - 7/21/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	14	NIPPLE UP B.O.P	Nipple up BOP
08:00	4.00	12:00	15	TEST B.O.P	Test upper & lower kelly valves, safety & dart valves pipe & blind rams, choke lines and manifold valves and HCR to 250 psi low 5000 psi high. Annular to 250 low 2500 high test surface casing to 1500 psi f/ 30 min.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	1.00	13:00	14	NIPPLE UP B.O.P	N/U Flowline
13:00	0.50	13:30	14	NIPPLE UP B.O.P	Install wear bushing
13:30	2.00	15:30	6	TRIPS	Trip in two stands 6" DC's laydown 2 NMDC, Pickup 2 6" steel DC's
15:30	1.50	17:00	20	DIRECTIONAL WORK	Pick up dirc tools and orient
17:00	1.00	18:00	6	TRIPS	Trip in to top of float @ 1475'
18:00	1.00	19:00	21	drill float	Drill float equip
19:00	0.50	19:30	7	LUBRICATE RIG	Rig Service
19:30	1.50	21:00	21	OPEN	Drill out float equip and 20' of formation 1525-1545 Perform FIT 10.5 EMW held 135 psi
21:00	9.00	06:00	2	DRILL ACTUAL	Drilling 1545'- 2109'

**3-36D-6-19 FD 7/21/2012 06:00 - 7/22/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	DRILLING	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	2	DRILL ACTUAL	DRILLING 2109'- 3396'

**3-36D-6-19 FD 7/22/2012 06:00 - 7/23/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	DRILLING	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	2	DRILL ACTUAL	Drill 3396'-3446' Balled Bit
09:00	1.00	10:00	5	COND MUD & CIRC	Pump walnut sweeps try to unball bit
10:00	0.50	10:30	5	COND MUD & CIRC	TOOH Bit balled up
10:30	2.50	13:00	6	TRIPS	TOOH BALLED BIT
13:00	5.00	18:00	6	TRIPS	TIH Work tight hole 2200' - 2260' TIH
18:00	1.00	19:00	3	REAMING	WASH AND REAM 3386'- 3446
19:00	2.50	21:30	5	COND MUD & CIRC	Work balled bit pump walnut low vis sweeps work bit
21:30	5.00	02:30	6	TRIPS	Pump Flag TOOH look for wash,found wash behind roller on 3 point reamer.Missing part of the roller
02:30	1.50	04:00	20	DIRECTIONAL WORK	LD motor reamers and dirc tools
04:00	2.00	06:00	21	OPEN	WOT wait on bit

**3-36D-6-19 FD 7/23/2012 06:00 - 7/24/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	DRILLING	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	TIH clean up
09:00	1.00	10:00	3	REAMING	P/u 3 jnts DP and ream to bottom
10:00	4.00	14:00	2	DRILL ACTUAL	Drill 3446-3477
14:00	2.00	16:00	6	TRIPS	Mix & pump slug,TOOH L/D bit and bit sub
16:00	2.00	18:00	20	DIRECTIONAL WORK	Pick up and orient dirc tools,TIH
18:00	2.00	20:00	6	TRIPS	TIH
20:00	1.00	21:00	21	fill pipe	Fill pipe pumps aired up,install rotating head
21:00	0.50	21:30	6	TRIPS	TIH to 3271
21:30	1.50	23:00	3	REAMING	wash & ream 3271-3477
23:00	7.00	06:00	2	DRILL ACTUAL	Drilling 3477-3899

**3-36D-6-19 FD 7/24/2012 06:00 - 7/25/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	DRILLING	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drilling 3899'-4649'
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service
16:30	13.50	06:00	2	DRILL ACTUAL	Drilling 3899'-4992'

**3-36D-6-19 FD 7/25/2012 06:00 - 7/26/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	2	DRILL ACTUAL	Drilling 4992-- 5523' Rig Service during slide

**3-36D-6-19 FD 7/26/2012 06:00 - 7/27/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	2	DRILL ACTUAL	Drilling 5523'-5649'
14:30	0.50	15:00	21	OPEN	Pump pill, kelly back, L/D 2 jnts
15:00	3.00	18:00	6	TRIPS	TOOH, Hole in good shape
18:00	1.00	19:00	20	DIRECTIONAL WORK	L/D dirc. tools MWD, Change Bit
19:00	2.50	21:30	6	TRIPS	TIH
21:30	1.00	22:30	3	REAMING	Wash 3680'-3804'
22:30	0.50	23:00	6	TRIPS	TIH
23:00	1.00	00:00	3	REAMING	Wash 2 Jnts to bottom
00:00	6.00	06:00	2	DRILL ACTUAL	Drilling 5649-5867

**3-36D-6-19 FD 7/27/2012 06:00 - 7/28/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Drilling 5867'-6211'
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service
16:30	13.50	06:00	2	DRILL ACTUAL	Drilling 6211'- 6712'

**3-36D-6-19 FD 7/28/2012 06:00 - 7/29/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	2	DRILL ACTUAL	Drill 6712-6725
07:30	0.50	08:00	7	LUBRICATE RIG	Rig Service Change O-Ring in vib. hose
08:00	3.00	11:00	2	DRILL ACTUAL	Drill 6725-6807
11:00	1.00	12:00	5	COND MUD & CIRC	Circ. bottoms up mix pill
12:00	4.00	16:00	6	TRIPS	pomp pill TOOH break bit ,L/D MM
16:00	1.00	17:00	20	DIRECTIONAL WORK	P/U New MM& Bit, Orient dirc. tools
17:00	3.00	20:00	6	TRIPS	TIH
20:00	2.50	22:30	3	REAMING	Wash & ream 3302'-3550'
22:30	1.50	00:00	6	TRIPS	TIH
00:00	6.00	06:00	2	DRILL ACTUAL	Drilling 6807'-6965'

**3-36D-6-19 FD 7/29/2012 06:00 - 7/30/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status DRILLING	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	drilling 6965'-7405'
15:30	0.50	16:00	7	LUBRICATE RIG	Rig Service
16:00	14.00	06:00	2	DRILL ACTUAL	Drilling 7405'- 7971'

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: ML-50801
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 3-36D-6-19
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047521630000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0317 FNL 1740 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT  COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2012	<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.

August 2012 monthly drilling activity report is attached.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 05, 2012**

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A	DATE 9/4/2012	

**3-36D-6-19 FD 8/1/2012 06:00 - 8/2/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	2	DRILL ACTUAL	Drill 9036-9059
07:00	5.00	12:00	6	TRIPS	Pump dry job,TOOH change bit & MM
12:00	1.00	13:00	20	DIRECTIONAL WORK	orient Dirc. tools
13:00	1.00	14:00	6	TRIPS	TIH to shoe
14:00	2.50	16:30	9	CUT OFF DRILL LINE	Cut & slip Drilling Line
16:30	2.00	18:30	6	TRIPS	TIH to 6200' NO Returns
18:30	1.50	20:00	5	COND MUD & CIRC	CIRC. Partial returns Spot LCM sweep @ 3000'
20:00	3.00	23:00	6	TRIPS	TIH Stage in 5 stds break circ to bottom
23:00	6.00	05:00	2	DRILL ACTUAL	Drill 9059-9327 TD
05:00	1.00	06:00	5	COND MUD & CIRC	Pump Sweep,Circ. Bottoms Up

**3-36D-6-19 FD 8/2/2012 06:00 - 8/3/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	5	COND MUD & CIRC	Circ. sweep,pump dry job
06:30	3.50	10:00	6	TRIPS	TOOH f/ Logs
10:00	2.00	12:00	20	DIRECTIONAL WORK	L/D Dirc. tools
12:00	0.50	12:30	21	OPEN	Clean floor,suck out cellar
12:30	0.50	13:00	7	LUBRICATE RIG	Rig Service
13:00	10.00	23:00	11	WIRELINE LOGS	Rig Up Loggers (haliburton) Run Wireline Logs MSFL Failed pulled tool and change out Run Logs , Rig down loggers Loggers Depth- tight @9280'
23:00	5.00	04:00	6	TRIPS	TIH Slow Fill Pipe@3600",6200' TIH to 9175'
04:00	1.00	05:00	3	REAMING	Wash And Ream 9175' to Bottom
05:00	1.00	06:00	5	COND MUD & CIRC	Pump High Vis Sweep & Circ.

**3-36D-6-19 FD 8/3/2012 06:00 - 8/4/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	Circ. and build volume Pump 2 High Vis Sweeps
09:00	11.00	20:00	6	TRIPS	TOOH,LDDP & BHA Break Kelly
20:00	0.50	20:30	21	OPEN	Pull Wear Bushing
20:30	8.00	04:30	12	RUN CASING & CEMENT	Rig up casers,Safety Meeting,run 5.5 casing to 9322' 3 markers Marker A @ 7305' Marker B @ 6584' Marker C @ 4868' 65 Centralizers
04:30	1.50	06:00	5	COND MUD & CIRC	Circ Casing

**3-36D-6-19 FD 8/4/2012 06:00 - 8/5/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	12	RUN CASING & CEMENT	Rig up Halliburton and cement See cementing report for details
11:00	3.50	14:30	21	OPEN	Nipple down BOP Set casing slips 30 k over string wt. 125k cut off casing
14:30	3.50	18:00	22	OPEN	Clean mud tanks Rig Release @ 18:00 hrs 8/4/12
18:00	12.00	06:00	1	RIGUP & TEARDOWN	Rig Down

**3-36D-6-19 FD 8/5/2012 06:00 - 8/6/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**3-36D-6-19 FD 8/6/2012 06:00 - 8/7/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**3-36D-6-19 FD 8/7/2012 06:00 - 8/8/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**3-36D-6-19 FD 8/9/2012 06:00 - 8/10/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Clean Out Cellar.

**3-36D-6-19 FD 8/10/2012 06:00 - 8/11/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	Well Secured With 11" Night Cap. BackFill Cellar
07:00	2.00	09:00	IWHD	Install Wellhead	Safety Meeting With Cameron, Check Surface Casing & 5.5" For Pressure, 0 Psi On Both Sides. N/D 11" Night Cap, Cleaned And Dressed Up 5.5" Csg Top, Set And N/U 11" x 7 1/16" 5k Tbg. Head With 2 1/16" x 5k Gate Valves. Tested Hanger Seals To 7500 Psi, Good Test. Secured Well Head With 7" 5K Night Cap.
09:00	21.00	06:00	LOCL	Lock Wellhead & Secure	WSI Shut In And Secured.

**3-36D-6-19 FD 8/11/2012 06:00 - 8/12/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.05	06:03	GOP	General Operations	WSI And Secured.
06:03	0.70	06:45	SRIG	Rig Up/Down	MIRU SLB W/L Crew And Equipment. Hold Safety Meeting. Rig Up Gauge Ring And Logging Tool.
06:45	5.50	12:15	LOGG	Logging	P/U Junk Basket/Gauge Ring. RIH, Tagged Up At 9,175', Drilling Report Shows FC At 9,147', 0' Of Fill. POOH, P/U CBL Tool, Rih To PBTD, 9,175', Correlating To HES Spectral Density/ Dual Spaced Neutron Dated 08-02-2012. Run Repeat Section From 9,175 - 8,940', Log Up Hole. Showed Good Bond From TD To 6470', 6470' - 4780' Fair, 4780-2500' Poor. TOC 2500'. Ran With Pressure. Found Short Joints At 7,267 - 7,288, 6,547 - 6,569 And 4,830 - 4,852'. Pooh, RD Equipment, MOL.
12:15	17.75	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured

**3-36D-6-19 FD 8/12/2012 06:00 - 8/13/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00		06:00			Facilities under construction

**3-36D-6-19 FD 8/13/2012 06:00 - 8/14/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**3-36D-6-19 FD 8/14/2012 06:00 - 8/15/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion
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Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/15/2012 06:00 - 8/16/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion	
Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/16/2012 06:00 - 8/17/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion	
Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/17/2012 06:00 - 8/18/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion	
Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/18/2012 06:00 - 8/19/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion	
Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/19/2012 06:00 - 8/20/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion	
Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/20/2012 06:00 - 8/21/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	Primary Job Type Drilling & Completion	
Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
<b>3-36D-6-19 FD 8/23/2012 06:00 - 8/24/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	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	Production Crew Working On Facilities. Setting Frac Line. Start Filling Frac Line.		
<b>3-36D-6-19 FD 8/24/2012 06:00 - 8/25/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	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	Production Crew Working On Facilities. Finish Setting 2 Tanks In Frac Line. Set Open Tops, Rig Up FlowBack And SandTrap. Filling Frac Line.		
<b>3-36D-6-19 FD 8/25/2012 06:00 - 8/26/2012 06:00</b>							
API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 0.0	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	Finish Filling Frac Line.

**3-36D-6-19 FD 8/26/2012 06:00 - 8/27/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	COMPLETION	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Mandrel, Test Seals.

**3-36D-6-19 FD 8/27/2012 06:00 - 8/28/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	COMPLETION	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Set Frac Tree. Test Casing. Rig Up To FlowBack. Heat Frac Line.

**3-36D-6-19 FD 8/28/2012 06:00 - 8/29/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	COMPLETION	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI And Secured. 0 Psi. On Well.
07:00	1.25	08:15	SRIG	Rig Up/Down	SLB WireLine Arrive On Location, Hold Safety Meeting. Rig Up Equipment. Pick Up Lubricator, Arm Gun, Rig Up To Well.
08:15	1.25	09:30	PFRT	Perforating	RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes. Correlating To HES Spectral Density/Dual Spaced Neutron Dated 08/02/2012 And SLB CBL/CCL Dated 08/11/2012. Found And Correlated To Marker Joint At 7,267 - 7,288'. Drop Down To Depth, Perforate Stage 1 EB-1/Wasatch Zone, 8,833 - 9,083'. 45 Holes. POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.
09:30	2.00	11:30	SRIG	Rig Up/Down	HES On Location At 10:00 Hrs. Rig Up Equipment
11:30	18.50	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured. SDFD.

**3-36D-6-19 FD 8/29/2012 06:00 - 8/30/2012 06:00**

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43047521630000	UT		Fort Duchesne	COMPLETION	0.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	LOCL	Lock Wellhead & Secure	HES Crew On Location At 0500 Hrs., Prime Chemical And Fluid Pumps, Pressure Test To 9000 Psi., Ran QC On Fluid, Looks Good.
06:00	0.00	06:00	SMTG	Safety Meeting	Safety Meeting. Talk About Smoking Area, PPE, Escape And Mustering Areas, Communication, And Red Zone.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.17	07:10	FRAC	Frac. Job	<p>Frac Stage 1. Fluid System: Hybor G 16            Open Well, 20 Psi. ICP. BrokeDown At 10.2 Bpm And 3,457 Psi..            Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 70.9 Bpm And 3,507 Psi., Get ISIP, 1,665 Psi.. 0.62 Psi./Ft.            F.G.. 33/45 Holes.            Con't With SlickWater Pad, 32,714 Gals..            Stage Into .75# 100 Mesh, On Perfs., 71.0 Bpm At 3,410 Psi., 10,640 Gals.            Stage Into 2# 20/40 CRC, On Perfs., 70.2 Bpm At 3,106 Psi., 9,728 Gals.            Stage Into 3# 20/40 CRC, On Perfs., 70.2 Bpm At 2,839 Psi., 8,758 Gals.            Stage Into 4# 20/40 CRC, On Perfs., 70.1 Bpm At 2,754 Psi., 12,697 Gals.            Stage Into 5# 20/40 CRC, On Perfs., 68.9 Bpm At 2,635 Psi., 14,010 Gals.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,102 Psi.. 0.67 Psi./Ft.            F.G.. WSI And Secured.            Total 100 Mesh - 8,000#            Total 20/40 CRC - 150,400#            Total Clean - 111,833 Gals..            BWTR - 2,804 Bbls.            Max. Rate - 71.1 Bpm            Avg. Rate - 70.1 Bpm            Max. Psi. - 3,467 Psi.            Avg. Psi. - 2,975 Psi.</p>
07:10	0.25	07:25	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
07:25	1.42	08:50	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes.            Correlating To HES Spectral Density/Dual Spaced Neutron Dated 08/02/2012 And SLB CBL/CCL Dated 08/11/2012.            Found And Correlated To Marker Joint At 7,267 - 7,288'.            Drop Down To Depth, Set CBP At 7,900'. Well Psi - 1,600 Psi..            Perforate Stage 2 Wasatch/UteLand Butte Zone, 8,541 - 8,809'. 48 Holes. Well Psi. - 1,500 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
08:50	0.08	08:55	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
08:55	2.58	11:30	FRAC	Frac. Job	<p>Frac Stage 2. Fluid System: Hybor G 16            Open Well, 1420 Psi. ICP. BrokeDown At 9.9 Bpm And 1,662 Psi..            Pump 3900 Gals. 15% HCL And 96 Bio Balls, Attempt BallOut. Let Balls Fall.            Get Stabilized Injection Of 71.0 Bpm And 3,020 Psi., Get ISIP, 1,584 Psi.. 0.62 Psi./Ft.            F.G.. 40/48 Holes.            Con't With SlickWater Pad, 32,945 Gals..            Stage Into .75# 100 Mesh, On Perfs., 71.2 Bpm At 3,090 Psi., 10,774 Gals.            Stage Into 2# 20/40 CRC, On Perfs., 70.4 Bpm At 2,874 Psi., 9,495 Gals.            Stage Into 3# 20/40 CRC, On Perfs., 70.4 Bpm At 2,656 Psi., 9,486 Gals.            Stage Into 4# 20/40 CRC, On Perfs., 70.2 Bpm At 2,466 Psi., 12,517 Gals.            Stage Into 5# 20/40 CRC, On Perfs., 69.6 Bpm At 2,631 Psi., 11,615 Gals.            Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,871 Psi.. 0.65 Psi./Ft.            F.G.. WSI And Secured.            Total 100 Mesh - 8,000#            Total 20/40 CRC - 151,600#            Total Clean - 109,500 Gals..            BWTR - 2,706 Bbls.            Max. Rate - 71.5 Bpm            Avg. Rate - 70.3 Bpm            Max. Psi. - 3,134 Psi.            Avg. Psi. - 2,753 Psi.</p>
11:30	0.17	11:40	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
11:40	1.33	13:00	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes.            Correlating To HES Spectral Density/Dual Spaced Neutron Dated 08/02/2012 And SLB CBL/CCL Dated 08/11/2012.            Found And Correlated To Marker Joint At 7,267 - 7,288'.            Drop Down To Depth, Set CBP At 8,534'. Well Psi - 1,600 Psi..            Perforate Stage 3 UteLand Butte/Castle Peak Zone, 8,217 - 8,519'. 48 Holes. Well Psi. - 1,100 Psi..            POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
13:00	0.09	13:05	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.



## Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
13:05	1.25	14:20	FRAC	Frac. Job	<p>Frac Stage 3. Fluid System: Hybor G 16  Open Well, 1046 Psi. ICP. BrokeDown At 10.1 Bpm And 1,667 Psi..  Pump 3900 Gals. 15% HCL And 96 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 70.7 Bpm And 3,230 Psi., Get ISIP, 555 Psi.. 0.50 Psi./Ft.  F.G.. 25/48 Holes.  Con't With SlickWater Pad, 32,592 Gals..  Stage Into .75# 100 Mesh, On Perfs., 71.2 Bpm At 2,835 Psi., 10,924 Gals.  Stage Into 2# 20/40 White, On Perfs., 70.4 Bpm At 2,552 Psi., 9,208 Gals.  Stage Into 3# 20/40 White, On Perfs., 70.4 Bpm At 2,454 Psi., 11,325 Gals.  Stage Into 4# 20/40 White, On Perfs., 70.0 Bpm At 2,136 Psi., 12,641 Gals.  Stage Into 5# 20/40 White, On Perfs., 62.3 Bpm At 1,751 Psi., 14,462 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 1,357 Psi.. 0.60 Psi./Ft.  F.G.. WSI And Secured.  Total 100 Mesh - 8,100#  Total 20/40 CRC - 145,000#  Total Clean - 113,133 Gals..  BWTR - 2,841 Bbls.  Max. Rate - 71.4 Bpm  Avg. Rate - 69.4 Bpm  Max. Psi. - 3,134 Psi.  Avg. Psi. - 2,338 Psi.</p>
14:20	0.33	14:40	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
14:40	1.25	15:55	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes.  Correlating To HES Spectral Density/Dual Spaced Neutron Dated 08/02/2012 And SLB CBL/CCL Dated 08/11/2012.  Found And Correlated To Marker Joint At 7,267 - 7,288'.  Drop Down To Depth, Set CBP At 8,204'. Well Psi - 1,200 Psi..  Perforate Stage 4 Castle Peak/Black Shale Zone, 7,912 - 8,181'. 45 Holes. Well Psi. - 1,200 Psi..  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
15:55	0.58	16:30	GOP	General Operations	Well Turned Over To HES. Pressure Test To 8500#. Equalize, Open To Well.
16:30	1.17	17:40	FRAC	Frac. Job	<p>Frac Stage 4. Fluid System: Hybor G 16  Open Well, 1127 Psi. ICP. BrokeDown At 10.2 Bpm And 2,281 Psi..  Pump 3900 Gals. 15% HCL And 90 Bio Balls, Attempt BallOut. Let Balls Fall.  Get Stabilized Injection Of 71.7 Bpm And 3,391 Psi., Get ISIP, 1,844 Psi.. 0.67 Psi./Ft.  F.G.. 37/45 Holes.  Con't With SlickWater Pad, 32,400 Gals..  Stage Into .75# 100 Mesh, On Perfs., 71.6 Bpm At 3,570 Psi., 10,036 Gals.  Stage Into 2# 20/40 White, On Perfs., 70.2 Bpm At 3,496 Psi., 15,028 Gals.  Stage Into 3# 20/40 White, On Perfs., 70.0 Bpm At 3,113 Psi., 9,070 Gals.  Stage Into 4# 20/40 White, On Perfs., 69.1 Bpm At 2,785 Psi., 12,079 Gals.  Stage Into 5# 20/40 White, On Perfs., 69.3 Bpm At 2,607 Psi., 12,323 Gals.  Stage Into Flush, Flush 15 Bbls. Over Bottom Perf.. Get ISDP, 2,068 Psi.. 0.70 Psi./Ft.  F.G.. WSI And Secured.  Total 100 Mesh - 4,500#  Total 20/40 CRC - 135,000#  Total Clean - 110,940 Gals..  BWTR - 2,800 Bbls.  Max. Rate - 73.0 Bpm  Avg. Rate - 69.7 Bpm  Max. Psi. - 3,586 Psi.  Avg. Psi. - 3,124 Psi.</p>
17:40	0.17	17:50	CTUW	W/L Operation	Well Turned Over To WireLine. Pick Up Gun String And CBP Plug Assembly. Equalize To Well Pressure.
17:50	1.33	19:10	PFRT	Perforating	<p>RIH With 3 1/8" PJ Omega 3104 Perf. Gun Configured At 120 Degree Phasing, 3 Spf, .36" Penetration Charges, 16 Gms., .44 Dia. Holes.  Correlating To HES Spectral Density/Dual Spaced Neutron Dated 08/02/2012 And SLB CBL/CCL Dated 08/11/2012.  Found And Correlated To Marker Joint At 7,267 - 7,288'.  Drop Down To Depth, Set CBP At 7,900'. Well Psi - 1,800 Psi..  Perforate Stage 5 Douglas Creek Zone, 7,637 - 7,880'. 45 Holes. Well Psi. - 1,550 Psi..  POOH. LayDown Gun, Verify All Shots Fired, WSI And Secured.</p>
19:10	0.83	20:00	GOP	General Operations	ShutDown And Secure Equipment.
20:00	10.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047521630000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0317 FNL 1740 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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 checked="" 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"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/18/2012		
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well had first oil sales on 9/18/2012. The gas is currently flaring until the pipeline construction is complete.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          October 02, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/1/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047521630000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0317 FNL 1740 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. September 2012 monthly drilling activity report is attached.		
		<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          October 05, 2012</b>
<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/2/2012

**3-36D-6-19 FD 9/1/2012 06:00 - 9/2/2012 06:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. SITP 0, SICP 1000. START FLOWING CSG ON 20/64 CHOKE. FCP 950.	
07:00	0.75	07:45	RUTB	Run Tubing	RUN IN W/ TBG TO SAND ON #3. RU PWR SWIVEL. EST CIRC. PMP 2 BPM, RETURN 2.5 BPM.	
07:45	7.25	15:00	DOPG	Drill Out Plugs	#3- C/O 15' SAND TO CBP AT 7603'. D/O IN 25 MIN, FCP 825 PSI. #4- C/O 25' SAND TO CBP AT 7900'. D/O IN 20 MIN. FCP 775 PSI. #5- C/O 0' SAND TO CBP AT 8204'. D/O IN 25 MIN. FCP 800 PSI. #6- C/O 16' SAND TO CBP AT 8534'. D/O IN 15 MIN. FCP 850 PSI. #7- C/O 120' SAND TO CBP AT 8828'. D/O IN 10 MIN. FCP 950 PSI. PBSD- C/O 210' SAND TO FC AT 9235'. D/O FC AND 40' CMT TO PBSD AT 9275' W/ 291-JTS IN.  CIRC CLEAN FOR 1 HR. RD PWR SWIVEL.	
15:00	4.00	19:00	PULT	Pull Tubing	POOH AS LD 73-JTS TBG. PU 7" 5K HANGER. LUB IN TO LAND. HAVE TROUBLES WITH NEW ANNULAR, SPOOL AND BOP. WENT THRU 4 RUBBER TO GET ONE TO SEAL. LAND 218-JTS 2-7/8" L-80 TBG W/ EOT AT 6945'. RD FLOOR. ND BOP. NU WH AND PLUMB IN. TURN OVER TO FBC AND SALES. SDFN. WILL RDSU ON 9/4.	

**3-36D-6-19 FD 9/11/2012 06:00 - 9/12/2012 00:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
07:00	1.00	08:00	SRIG	Rig Up/Down	MIRU NABORS 1409. D & M KILL WELL.	
08:00	1.50	09:30	BOPI	Install BOP's	N/D WELLHEAD. N/U BOP. R/U FLOOR & EQUIPMENT.	
09:30	3.00	12:30	PULT	Pull Tubing	POOH W/ BOTTOM HALF POBS. 218 JTS TOTAL.	
12:30	3.00	15:30	BOPR	Remove BOP's	P/U BULL PLUG, 5 JTS 2-7/8 TBG, DESANDER, 4' TBG PUP, S/N. 1 JT 2-7/8 TBG & TAC. RIH W/ BAH. 217 JTS ABOVE TAC.	
15:30	2.00	17:30	IWHD	Install Wellhead	N/D BOP. SET TAC @ 6880'. 20K TENSION. EOT @ 7095'. N/U WELLHEAD. FLUSH TBG. R/U ROD EQUIPMENT. SDFN.	
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURED. CREW TRAVEL.	

**3-36D-6-19 FD 9/12/2012 00:00 - 9/13/2012 00:00**

API/UWI 43047521630000	State/Province UT	County	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB)	Primary Job Type 0.0 Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
00:00	1.00	01:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.	
01:00	5.00	06:00	RURP	Run Rods & Pump	P/U ROD PUMP & PRIME. RIH W/ PUMP P/U RODS. SPACE OUT & SEAT PUMP. TEST TO 800 PSI, HELD.  PUMP 25-200-RHBC-36-5-36. SHEAR SUB. 28- 1". 50- 3/4". 96- 7/8". 100- 1". 8' PONY. 4' PONY. POLISH ROD.	
06:00	1.00	07:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. SLIDE IN ROTO-FLEX. MOVE RIG OFF LOCATION.	
07:00	17.00	00:00	LOCL	Lock Wellhead & Secure	ON PRODUCTION.	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801																														
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
		<b>7. UNIT or CA AGREEMENT NAME:</b>																														
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19																														
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047521630000																														
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8164 Ext	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0317 FNL 1740 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH																														
		<b>STATE:</b> UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<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"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;"> <p>No October 2012 monthly drilling activity to report.</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>November 07, 2012</p> </div> </div>																																
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/7/2012																															

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-50801**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT OR CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**FD 3-36D-6-19**

9. API NUMBER:  
**4304752163**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NENW 36 6S 19E S**

12. COUNTY  
**Uintah**

13. STATE  
**UTAH**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

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

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

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

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **317 FNL 1740 FWL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **615 FNL 2013 FWL**  
AT TOTAL DEPTH: **664 FNL 2038 FWL** *BHL by HSM*

14. DATE SPUNDED: **7/11/2012** 15. DATE T.D. REACHED: **8/2/2012** 16. DATE COMPLETED: **10/16/2012** ABANDONED  READY TO PRODUCE

18. TOTAL DEPTH: MD **9,327** TVD **9,310** 19. PLUG BACK T.D.: MD **9,235** TVD **9,218.9** 20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD  
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**CBL, Borehole**

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Corl	65#	0	80	80			0	
14 3/4	9 5/8 J-55	36#	0	1,522	1,522	430	168	0	
8 7/8	5 1/2 P110	17#	0	9,327	9,323	1675	518	3020	15000

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	7,114							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	6,993	8,697		
(B) Wasatch	8,722	9,083		
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,993 8,697	.44	225	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
8,722 9,083	.44	60	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6993' to 8697'	Green River: See Treatment Stages 2-7
8722' to 9083'	Wasatch: See Treatment Stage 1

**29. ENCLOSED ATTACHMENTS:**

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

30. WELL STATUS:  
**POW**

**RECEIVED**

**DEC 03 2012**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 10/16/2012		TEST DATE: 9/24/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 174	GAS - MCF: 22	WATER - BBL: 32	PROD. METHOD: Flowing
CHOKE SIZE: 3/64	TBG. PRESS. 200	CSG. PRESS. 60	API GRAVITY 52.00	BTU - GAS	GAS/OIL RATIO 126	24 HR PRODUCTION RATES: →	OIL - BBL: 174	GAS - MCF: 22	WATER - BBL: 32	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.)

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	4,538
				Mahogany	6,085
				Douglas Creek	7,416
				Black Shale	7,911
				Castle Peak	8,164
				Uteland Butte	8,433
				Wasatch	8,708
				TD	9,327

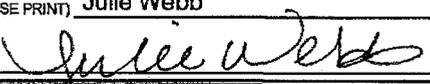
35. ADDITIONAL REMARKS (Include plugging procedure)

TOC was calculated by CBL. Conductor was cemented with grout. First oil sales was on 10/16/2012.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Julie Webb

TITLE Permit Analyst

SIGNATURE 

DATE 12/3/2012

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  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**FD 3-36D-6-19 Completion Report Continued\***

<b>44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)</b>				
<b>AMOUNT AND TYPE OF MATERIAL</b>				
<b><u>Stage</u></b>	<b><u>BBLs Slurry</u></b>	<b><u>lbs 100 Mesh Sand</u></b>	<b><u>lbs 20/40 CRC Sand</u></b>	<b><u>Lbs 20/40 White Sand</u></b>
1	2,833		150,400	
2	2,779		151,600	
3	2,859		145,000	
4	2,825		135,000	
5	2,934	9,300		160,100
6	2,792	10,500		155,400
7	2,884			154,640

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



**Bill Barrett Corporation**

## **Bill Barrett Corp. (II)**

Uintah Co., UT (NAD27)

Sec.36-T6S-R19E

FD State 3-36D-6-19

Wellbore #1

Survey: OH

## **Standard Survey Report**

14 August, 2012





Bill Barrett Corp. (II)  
 Project: Uintah Co., UT (NAD27)  
 Site: Sec.36-T6S-R19E  
 Well: FD State 3-36D-6-19  
 Wellbore: Wellbore #1  
 Design: OH  
 Latitude: 40° 15' 39.75 N  
 Longitude: 109° 44' 1.99 W  
 Ground Level: 4969.01  
 WELL @ 4993.01ft

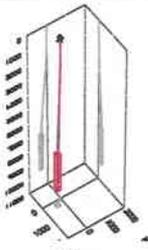
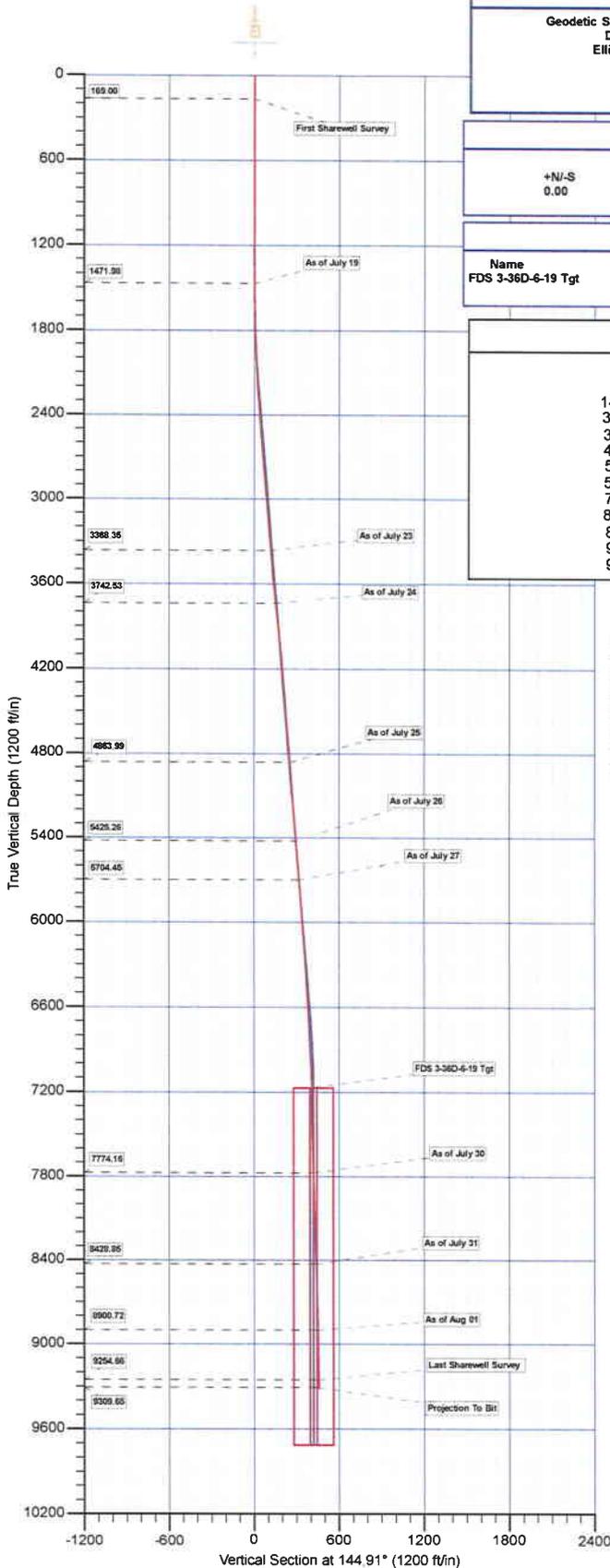


PROJECT DETAILS: Uintah Co., UT (NAD27)						
Geodetic System: US State Plane 1927 (Exact solution)						
Datum: NAD 1927 (NADCON CONUS)						
Ellipsoid: Clarke 1866						
Zone: Utah Central 4302						
System Datum: Mean Sea Level						

WELL DETAILS: FD State 3-36D-6-19						
+N/-S	+E/-W	Northing	Ground Level: Easting	4969.01 Latitude	Longitude	Slot
0.00	0.00	706997.44	2492655.25	40° 15' 39.75 N	109° 44' 1.99 W	

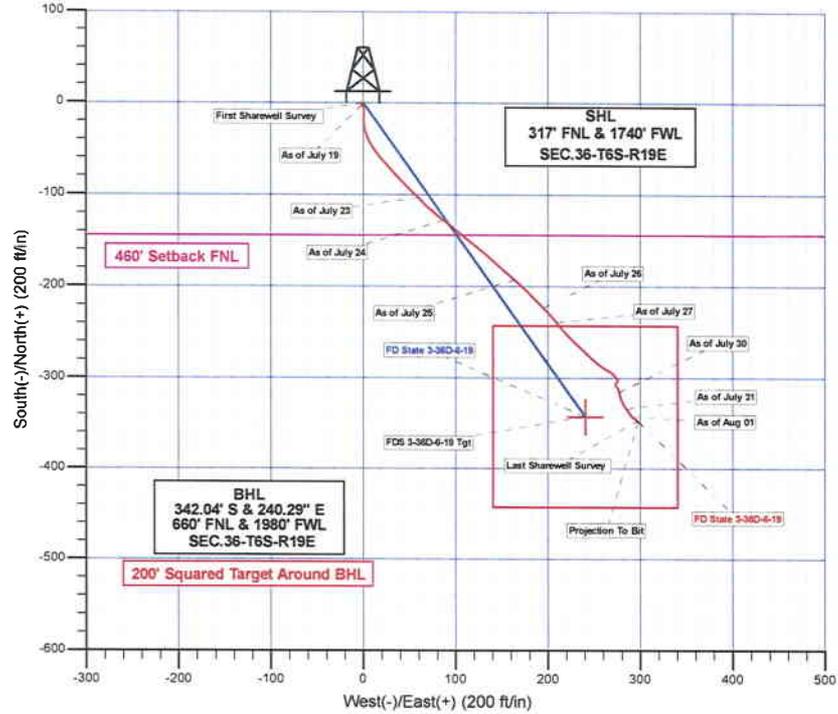
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
FDS 3-36D-6-19 Tgt	7168.01	-342.04	240.29	40° 15' 36.37 N	109° 43' 58.89 W	Rectangle (Sides: L200.00 W200.00)

ANNOTATIONS										
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation		
169.00	169.00	0.400	204.40	-0.54	-0.24	0.30	0.59	First Sharewell Survey		
1471.98	1472.00	0.500	124.00	-2.67	-1.07	1.57	7.76	As of July 19		
3368.35	3373.00	4.700	135.10	-103.39	60.03	119.11	130.41	As of July 23		
3742.53	3749.00	6.100	130.10	-127.41	87.68	154.66	167.09	As of July 24		
4863.99	4875.00	4.900	131.10	-192.30	164.05	251.65	267.34	As of July 25		
5425.26	5438.00	4.000	135.50	-223.16	195.51	294.99	311.43	As of July 26		
5704.45	5718.00	4.200	141.90	-239.12	209.64	316.17	332.75	As of July 27		
7774.16	7791.00	1.300	165.10	-315.66	277.33	417.71	441.00	As of July 30		
8428.85	8446.00	1.600	138.00	-333.66	285.33	437.04	461.00	As of July 31		
8900.72	8918.00	1.200	130.10	-342.41	292.15	448.12	472.23	As of Aug 01		
9254.66	9272.00	1.100	128.50	-346.66	297.16	454.48	478.82	Last Sharewell Survey		
9309.65	9327.00	1.100	128.50	-347.32	297.99	455.50	479.88	Projection To Bit		



**M** Azimuths to True North  
 Magnetic North: 11.07°

Magnetic Field  
 Strength: 52331.6nT  
 Dip Angle: 66.01°  
 Date: 07/10/2012  
 Model: IGRF2010



Design: OH (FD State 3-36D-6-19/Wellbore #1)  
 Created By: Rolando Garza Date: 15:58, August 07 2012

**Company:** Bill Barrett Corp. (II)  
**Project:** Uintah Co., UT (NAD27)  
**Site:** Sec.36-T6S-R19E  
**Well:** FD State 3-36D-6-19  
**Wellbore:** Wellbore #1  
**Design:** OH

**Local Co-ordinate Reference:** Well FD State 3-36D-6-19  
**TVD Reference:** WELL @ 4993.01ft  
**MD Reference:** WELL @ 4993.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

<b>Project</b>	Uintah Co., UT (NAD27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Sec.36-T6S-R19E				
<b>Site Position:</b>		<b>Northing:</b>	706,997.44 usft	<b>Latitude:</b>	40° 15' 39.75 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,492,855.24 usft	<b>Longitude:</b>	109° 44' 1.99 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b>	1.13 °

<b>Well</b>	FD State 3-36D-6-19					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	706,997.44 usft	<b>Latitude:</b>	40° 15' 39.75 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,492,855.24 usft	<b>Longitude:</b>	109° 44' 1.99 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	4,969.01 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	07/10/12	11.07	66.01	52,332

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	144.91	

<b>Survey Program</b>	<b>Date</b>	08/06/12			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
169.00	9,327.00	OH (Wellbore #1)	MWD	MWD - Standard	

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)	
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
169.00	0.400	204.40	169.00	-0.54	-0.24	0.30	0.24	0.24	0.00	
<b>First Sharewell Survey</b>										
290.00	0.200	237.50	290.00	-1.04	-0.60	0.50	0.21	-0.17	27.36	
381.00	0.400	261.20	381.00	-1.17	-1.04	0.36	0.25	0.22	26.04	
472.00	0.400	256.50	471.99	-1.29	-1.67	0.10	0.04	0.00	-5.16	
563.00	0.400	314.40	562.99	-1.14	-2.20	-0.33	0.43	0.00	63.63	
654.00	0.400	347.40	653.99	-0.61	-2.50	-0.94	0.25	0.00	36.26	
744.00	0.300	328.90	743.99	-0.10	-2.69	-1.46	0.17	-0.11	-20.56	
835.00	0.100	133.20	834.99	0.05	-2.75	-1.62	0.44	-0.22	180.55	
928.00	0.200	143.60	927.99	-0.14	-2.60	-1.38	0.11	0.11	11.18	

**Company:** Bill Barrett Corp. (II)  
**Project:** Uintah Co., UT (NAD27)  
**Site:** Sec.36-T6S-R19E  
**Well:** FD State 3-36D-6-19  
**Wellbore:** Wellbore #1  
**Design:** OH

**Local Co-ordinate Reference:** Well FD State 3-36D-6-19  
**TVD Reference:** WELL @ 4993.01ft  
**MD Reference:** WELL @ 4993.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**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)
1,021.00	0.400	158.60	1,020.99	-0.57	-2.38	-0.90	0.23	0.22	16.13
1,116.00	0.200	174.40	1,115.98	-1.05	-2.25	-0.44	0.23	-0.21	16.63
1,209.00	0.400	150.50	1,208.98	-1.49	-2.07	0.03	0.25	0.22	-25.70
1,302.00	0.200	153.10	1,301.98	-1.92	-1.84	0.51	0.22	-0.22	2.80
1,397.00	0.400	135.20	1,396.98	-2.30	-1.53	1.00	0.23	0.21	-18.84
1,472.00	0.500	124.00	1,471.98	-2.67	-1.07	1.57	0.18	0.13	-14.93
<b>As of July 19</b>									
1,554.00	0.300	122.80	1,553.98	-2.99	-0.60	2.10	0.24	-0.24	-1.46
1,585.00	0.200	148.80	1,584.98	-3.08	-0.50	2.23	0.48	-0.32	83.87
1,678.00	0.900	155.00	1,677.97	-3.88	-0.11	3.11	0.75	0.75	6.67
1,772.00	1.700	163.30	1,771.95	-5.88	0.61	5.16	0.87	0.85	8.83
1,866.00	2.200	184.70	1,865.89	-9.02	0.86	7.87	0.93	0.53	22.77
1,960.00	3.100	183.60	1,959.79	-13.35	0.55	11.24	0.96	0.96	-1.17
2,054.00	3.700	179.20	2,053.63	-18.92	0.43	15.73	0.70	0.64	-4.68
2,148.00	4.200	169.00	2,147.40	-25.33	1.13	21.38	0.92	0.53	-10.85
2,242.00	3.900	166.90	2,241.17	-31.82	2.51	27.49	0.36	-0.32	-2.23
2,336.00	4.200	155.30	2,334.94	-38.07	4.68	33.84	0.93	0.32	-12.34
2,430.00	4.700	152.10	2,428.65	-44.60	7.92	41.04	0.59	0.53	-3.40
2,524.00	4.500	142.20	2,522.35	-50.91	11.98	48.55	0.87	-0.21	-10.53
2,618.00	4.800	139.70	2,616.04	-56.83	16.78	56.15	0.39	0.32	-2.66
2,713.00	5.400	138.60	2,710.66	-63.21	22.31	64.55	0.64	0.63	-1.16
2,807.00	4.800	139.80	2,804.29	-69.53	27.77	72.86	0.65	-0.64	1.28
2,901.00	4.300	138.10	2,898.00	-75.16	32.67	80.28	0.55	-0.53	-1.81
2,995.00	4.200	138.90	2,991.74	-80.38	37.28	87.20	0.12	-0.11	0.85
3,090.00	5.100	135.00	3,086.42	-85.98	42.56	94.82	1.00	0.95	-4.11
3,184.00	5.000	134.60	3,180.06	-91.81	48.43	102.97	0.11	-0.11	-0.43
3,278.00	5.100	135.00	3,273.69	-97.65	54.30	111.11	0.11	0.11	0.43
3,373.00	4.700	135.10	3,368.35	-103.39	60.03	119.11	0.42	-0.42	0.11
<b>As of July 23</b>									
3,468.00	4.700	135.40	3,463.03	-108.92	65.51	126.78	0.03	0.00	0.32
3,561.00	5.900	129.20	3,555.63	-114.65	71.89	135.14	1.43	1.29	-6.67
3,655.00	6.400	128.30	3,649.09	-120.95	79.75	144.81	0.54	0.53	-0.96
3,749.00	6.100	130.10	3,742.53	-127.41	87.68	154.66	0.38	-0.32	1.91
<b>As of July 24</b>									
3,844.00	5.700	130.80	3,837.02	-133.75	95.11	164.11	0.43	-0.42	0.74
3,938.00	6.300	126.70	3,930.51	-139.88	102.78	173.54	0.78	0.64	-4.36
4,031.00	5.700	130.80	4,023.00	-145.95	110.37	182.87	0.79	-0.65	4.41
4,124.00	5.400	129.80	4,115.56	-151.77	117.22	191.57	0.34	-0.32	-1.08
4,218.00	5.100	128.40	4,209.17	-157.19	123.90	199.85	0.35	-0.32	-1.49
4,312.00	4.700	131.10	4,302.83	-162.32	130.07	207.59	0.49	-0.43	2.87
4,406.00	4.600	131.40	4,396.52	-167.35	135.80	215.00	0.11	-0.11	0.32
4,500.00	4.200	132.30	4,490.24	-172.15	141.18	222.02	0.43	-0.43	0.96
4,594.00	4.400	132.00	4,583.98	-176.88	146.40	228.90	0.21	0.21	-0.32

**Company:** Bill Barrett Corp. (II)  
**Project:** Uintah Co., UT (NAD27)  
**Site:** Sec.36-T6S-R19E  
**Well:** FD State 3-36D-6-19  
**Wellbore:** Wellbore #1  
**Design:** OH

**Local Co-ordinate Reference:** Well FD State 3-36D-6-19  
**TVD Reference:** WELL @ 4993.01ft  
**MD Reference:** WELL @ 4993.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**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)	
4,688.00	4.700	131.10	4,677.68	-181.83	151.98	236.15	0.33	0.32	-0.96	
4,780.00	5.000	130.80	4,769.35	-186.93	157.86	243.70	0.33	0.33	-0.33	
4,875.00	4.900	131.10	4,864.00	-192.30	164.05	251.65	0.11	-0.11	0.32	
<b>As of July 25</b>										
4,969.00	4.700	133.20	4,957.67	-197.57	169.88	259.32	0.28	-0.21	2.23	
5,062.00	4.400	133.90	5,050.37	-202.66	175.23	266.56	0.33	-0.32	0.75	
5,156.00	4.200	136.10	5,144.11	-207.64	180.22	273.50	0.28	-0.21	2.34	
5,250.00	4.600	133.70	5,237.83	-212.72	185.33	280.60	0.47	0.43	-2.55	
5,344.00	4.600	136.80	5,331.53	-218.07	190.63	288.03	0.26	0.00	3.30	
5,438.00	4.000	135.50	5,425.26	-223.16	195.51	294.99	0.65	-0.64	-1.38	
<b>As of July 26</b>										
5,530.00	4.300	137.60	5,517.02	-227.99	200.09	301.58	0.37	0.33	2.28	
5,625.00	4.700	139.00	5,611.73	-233.56	205.04	308.98	0.44	0.42	1.47	
5,718.00	4.200	141.90	5,704.45	-239.12	209.64	316.17	0.59	-0.54	3.12	
<b>As of July 27</b>										
5,764.00	4.600	142.00	5,750.31	-241.90	211.82	319.70	0.87	0.87	0.22	
5,999.00	4.600	134.10	5,984.56	-255.88	224.39	338.36	0.27	0.00	-3.36	
6,092.00	4.500	133.30	6,077.26	-260.98	229.72	345.60	0.13	-0.11	-0.86	
6,186.00	4.100	133.40	6,171.00	-265.82	234.84	352.51	0.43	-0.43	0.11	
6,280.00	4.300	132.30	6,264.75	-270.50	239.89	359.24	0.23	0.21	-1.17	
6,375.00	3.900	136.10	6,359.50	-275.22	244.77	365.91	0.51	-0.42	4.00	
6,468.00	3.700	133.50	6,452.30	-279.57	249.14	371.97	0.28	-0.22	-2.80	
6,563.00	3.600	126.50	6,547.11	-283.45	253.76	377.81	0.48	-0.11	-7.37	
6,657.00	3.300	126.50	6,640.94	-286.81	258.30	383.18	0.32	-0.32	0.00	
6,751.00	3.400	118.80	6,734.78	-289.77	262.92	388.25	0.49	0.11	-8.19	
6,846.00	2.700	122.60	6,829.64	-292.33	267.28	392.84	0.77	-0.74	4.00	
6,941.00	2.500	134.00	6,924.54	-294.97	270.65	396.95	0.58	-0.21	12.00	
7,035.00	2.500	141.70	7,018.46	-298.01	273.40	401.01	0.36	0.00	8.19	
7,129.00	1.800	155.90	7,112.39	-300.96	275.27	404.51	0.93	-0.74	15.11	
7,223.00	1.100	244.80	7,206.37	-302.70	275.06	405.80	2.22	-0.74	94.57	
7,318.00	1.200	210.00	7,301.35	-303.94	273.73	406.06	0.73	0.11	-36.63	
7,413.00	1.300	186.20	7,396.33	-305.88	273.12	407.29	0.55	0.11	-25.05	
7,507.00	1.200	147.60	7,490.31	-307.77	273.53	409.08	0.88	-0.11	-41.06	
7,602.00	2.200	139.70	7,585.26	-310.00	275.24	411.89	1.08	1.05	-8.32	
7,697.00	2.000	168.90	7,680.20	-313.02	276.74	415.22	1.13	-0.21	30.74	
7,791.00	1.300	165.10	7,774.16	-315.66	277.33	417.71	0.75	-0.74	-4.04	
<b>As of July 30</b>										
7,886.00	1.400	176.70	7,869.14	-317.86	277.68	419.71	0.31	0.11	12.21	
7,978.00	1.800	160.00	7,961.10	-320.34	278.24	422.06	0.66	0.43	-18.15	
8,071.00	2.100	157.10	8,054.05	-323.28	279.40	425.14	0.34	0.32	-3.12	
8,166.00	2.100	154.50	8,148.98	-326.45	280.83	428.56	0.10	0.00	-2.74	
8,259.00	1.600	153.80	8,241.94	-329.16	282.13	431.52	0.54	-0.54	-0.75	
8,353.00	1.800	143.40	8,335.89	-331.52	283.59	434.29	0.39	0.21	-11.06	
8,446.00	1.600	138.00	8,428.85	-333.66	285.33	437.04	0.28	-0.22	-5.81	
<b>As of July 31</b>										

**Company:** Bill Barrett Corp. (II)  
**Project:** Uintah Co., UT (NAD27)  
**Site:** Sec.36-T6S-R19E  
**Well:** FD State 3-36D-6-19  
**Wellbore:** Wellbore #1  
**Design:** OH

**Local Co-ordinate Reference:** Well FD State 3-36D-6-19  
**TVD Reference:** WELL @ 4993.01ft  
**MD Reference:** WELL @ 4993.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**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)
8,541.00	1.600	147.40	8,523.82	-335.76	286.93	439.68	0.28	0.00	9.89
8,635.00	1.400	149.90	8,617.78	-337.86	288.22	442.14	0.22	-0.21	2.66
8,729.00	1.300	146.60	8,711.76	-339.74	289.38	444.35	0.13	-0.11	-3.51
8,855.00	1.100	125.20	8,837.73	-341.63	291.15	446.91	0.39	-0.16	-16.98
8,918.00	1.200	130.10	8,900.72	-342.41	292.15	448.12	0.22	0.16	7.78
<b>As of Aug 01</b>									
9,012.00	1.100	124.60	8,994.70	-343.55	293.65	449.92	0.16	-0.11	-5.85
9,107.00	1.100	134.10	9,089.68	-344.70	295.05	451.67	0.19	0.00	10.00
9,201.00	0.900	134.30	9,183.67	-345.85	296.23	453.28	0.21	-0.21	0.21
9,272.00	1.100	128.50	9,254.66	-346.66	297.16	454.48	0.32	0.28	-8.17
<b>Last Sharewell Survey</b>									
9,327.00	1.100	128.50	9,309.65	-347.32	297.99	455.50	0.00	0.00	0.00
<b>Projection To Bit</b>									

**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
169.00	169.00	-0.54	-0.24	First Sharewell Survey
1,472.00	1,471.98	-2.67	-1.07	As of July 19
3,373.00	3,368.35	-103.39	60.03	As of July 23
3,749.00	3,742.53	-127.41	87.68	As of July 24
4,875.00	4,864.00	-192.30	164.05	As of July 25
5,438.00	5,425.26	-223.16	195.51	As of July 26
5,718.00	5,704.45	-239.12	209.64	As of July 27
7,791.00	7,774.16	-315.66	277.33	As of July 30
8,446.00	8,428.85	-333.66	285.33	As of July 31
8,918.00	8,900.72	-342.41	292.15	As of Aug 01
9,272.00	9,254.66	-346.66	297.16	Last Sharewell Survey
9,327.00	9,309.65	-347.32	297.99	Projection To Bit

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50801	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> FD 3-36D-6-19	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047521630000	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0317 FNL 1740 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 36 Township: 06.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT	
		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>3/27/2013</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
This well had first gas sales on 3/27/13.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 28, 2013</b>			
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/28/2013	