

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER AURORA FEDERAL 1-1D-7-19						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BRENNAN BOTTOM						
4. TYPE OF WELL Oil Well      Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME AURORA (DEEP)						
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134						
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU76488			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee') ROBERT CONRAD						14. SURFACE OWNER PHONE (if box 12 = 'fee') 8018656221						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 5510 SOUTH 300 WEST , MURRAY, UT 84107						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input 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		596 FNL 1635 FEL		NWN		1		7.0 S		19.0 E		S
Top of Uppermost Producing Zone		675 FNL 765 FEL		NENE		1		7.0 S		19.0 E		S
At Total Depth		675 FNL 765 FEL		NENE		1		7.0 S		19.0 E		S
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 675			23. NUMBER OF ACRES IN DRILLING UNIT 40						
27. ELEVATION - GROUND LEVEL 4924			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2398			26. PROPOSED DEPTH MD: 9266 TVD: 9157						
			28. BOND NUMBER WYB000040			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645						
<b>Hole, Casing, and Cement Information</b>												
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement			Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used			0	0.0	0.0
SURF	12.25	8.625	0 - 1600	24.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown			270	3.16	11.0
							Halliburton Premium , Type Unknown			270	1.36	14.8
PROD	7.875	5.5	0 - 9266	17.0	P-110 LT&C	9.5	Unknown			700	2.31	11.0
							Unknown			370	1.42	13.5
<b>ATTACHMENTS</b>												
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>												
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Brady Riley				TITLE Permit Analyst				PHONE 303 312-8115				
SIGNATURE				DATE 02/20/2014				EMAIL briley@billbarrettcorp.com				
API NUMBER ASSIGNED 43047543030000				APPROVAL				 Permit Manager				

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

**Aurora Federal 1-1D-7-19**

NWNE, Lot 2, 596' FNL and 1635' FEL, Section 1, T7S-R19E, SLB & M (surface hole)  
NENE, 675' FNL and 765' FEL, Section 1, T7S-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><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Green River	4,845'	4,750'
Mahogany	5,910'	5,801'
Lower Green River*	7,045'	6,936'
Douglas Creek	7,167'	7,058'
Black Shale	7,772'	7,663'
Castle Peak	7,927'	7,818'
Uteland Butte	8,221'	8,112'
Wasatch*	8,765'	8,657'
TD	9,266'	9,157'

\*PROSPECTIVE PAY

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

Base of Useable Water = 1523'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 1600'	No pressure control required (may pre-set 8-5/8" with smaller rig)*
1600' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

\*See Appendix A

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1600'	8 5/8"	24#	J-55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
Drilling Program  
Aurora Federal 1-1D-7-19  
Uintah County, Utah

#### 5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing	Lead: 270 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: 270 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 @ 1,100'
5 1/2" Production Casing	Lead: 700 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 1,100' Tail: 370 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 @ 7272'

#### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' - 1600'	8.3 - 8.7	26 - 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1600' - 5500'	9.2 - 9.4	26 - 36	NC	Freshwater Spud Mud Fluid System
5500' - TD	9.4 - 9.5	42 - 56	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

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

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

#### 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4524 psi\* and maximum anticipated surface pressure equals approximately 2509 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

Bill Barrett Corporation  
Drilling Program  
Aurora Federal 1-1D-7-19  
Uintah County, Utah

**9. Auxiliary Equipment**

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

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

Water for the drilling and completion will be from:

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

**11. Drilling Schedule**

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

**12. Appendix A**

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

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



# Bill Barrett Corporation

## AURORA CEMENT VOLUMES

**Well Name:** Aurora Federal 1-1D-7-19

### Surface Hole Data:

Total Depth:	1,600'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	8.625"

### Calculated Data:

Lead Volume:	794.5	ft <sup>3</sup>
Lead Fill:	1,100'	
Tail Volume:	361.1	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	270
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Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	1,100'	

# SK's Tail:	270
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### Production Hole Data:

Total Depth:	9,266'
Top of Cement:	1,100'
Top of Tail:	7,272'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1604.0	ft <sup>3</sup>
Lead Fill:	6,172'	
Tail Volume:	518.3	ft <sup>3</sup>
Tail Fill:	1,994'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	700
# SK's Tail:	370

<b>Aurora Federal 1-1D-7-19 Proposed Cementing Program</b>
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<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (1100' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 1,100'
	Volume: 141.49 bbl
	<b>Proposed Sacks: 270 sks</b>
<b>Tail Cement - (TD - 1100')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 1,100'
	Calculated Fill: 500'
	Volume: 64.32 bbl
	<b>Proposed Sacks: 270 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (7272' - 1100')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 1,100'
	Calculated Fill: 6,172'
	Volume: 285.66 bbl
	<b>Proposed Sacks: 700 sks</b>
<b>Tail Cement - (9266' - 7272')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 7,272'
	Calculated Fill: 1,994'
	Volume: 92.30 bbl
	<b>Proposed Sacks: 370 sks</b>

**PRESSURE CONTROL EQUIPMENT – Schematic Attached**

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

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

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

**C. Testing Procedure:**

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

**D. Choke Manifold Equipment:**

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

**E. Accumulator:**

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

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

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

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

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

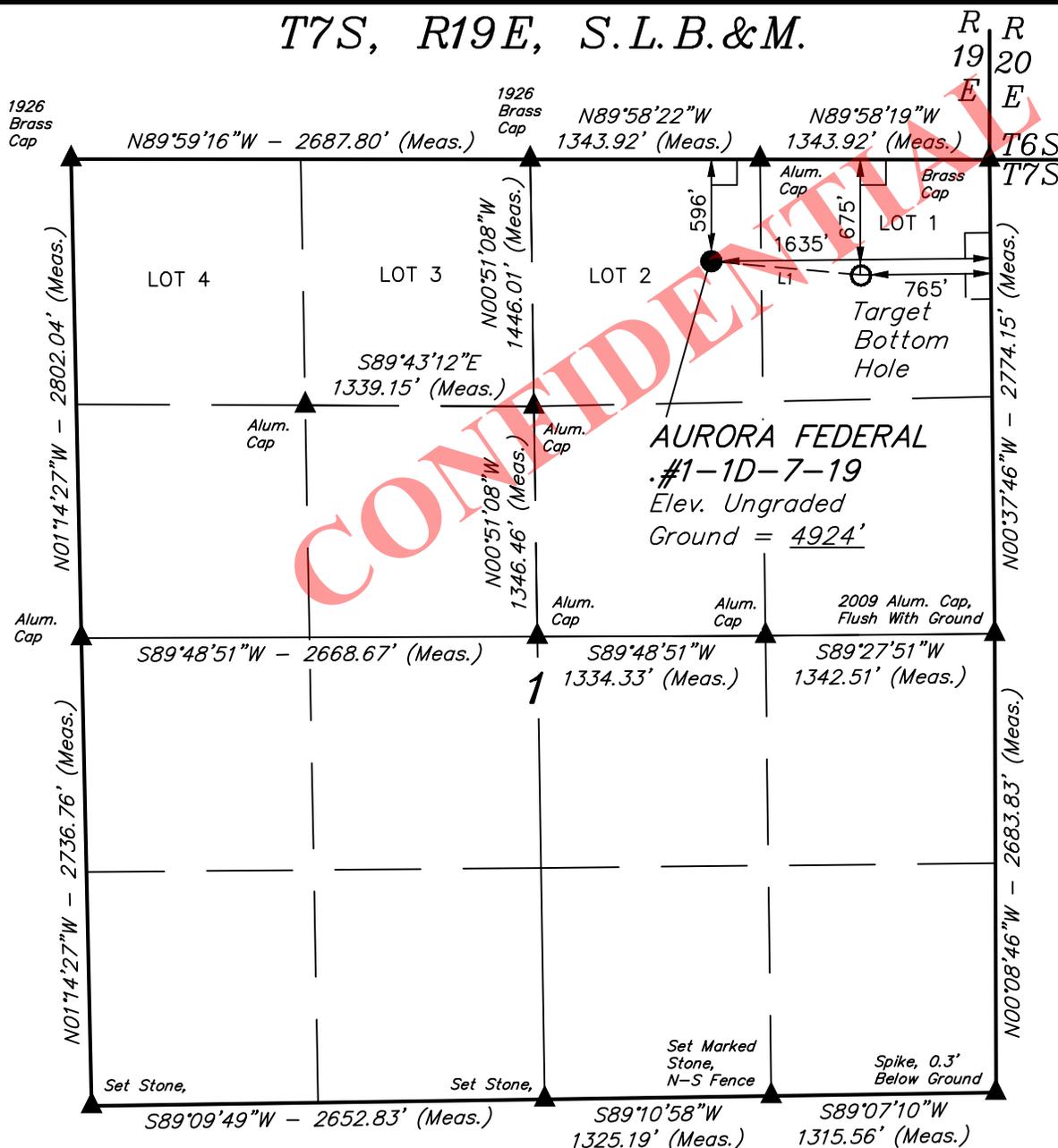
**F. Miscellaneous Information:**

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

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

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T7S, R19E, S.L.B.&M.



BILL BARRETT CORPORATION

Well location, AURORA FEDERAL #1-1D-7-19, located as shown in the NW 1/4 NE 1/4 of Section 1, T7S, R19E, S.L.B.&M., Uintah County, Utah.

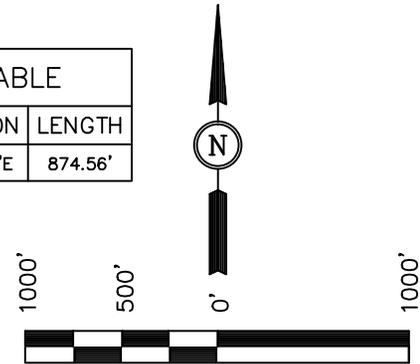
BASIS OF ELEVATION

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.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S84°47'23"E	874.56'



SCALE  
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PART 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.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH  
DATE 09-27-13

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

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°14'43.88" (40.245522)	LATITUDE = 40°14'44.66" (40.245739)
LONGITUDE = 109°43'28.54" (109.724594)	LONGITUDE = 109°43'39.77" (109.727714)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°14'44.02" (40.245561)	LATITUDE = 40°14'44.14" (40.245594)
LONGITUDE = 109°43'26.03" (109.723897)	LONGITUDE = 109°43'37.26" (109.727017)

SCALE 1" = 1000'	DATE SURVEYED: 09-10-13	DATE DRAWN: 09-12-13
PARTY C.R. J.S. S.S.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BILL BARRETT CORPORATION	

**BILL BARRETT CORPORATION**  
**AURORA FEDERAL #1-1D-7-19**  
LOCATED IN UTAH COUNTY, UTAH  
SECTION 1, T7S, R19E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

<b>LOCATION PHOTOS</b>	<b>09</b> MONTH	<b>16</b> DAY	<b>13</b> YEAR	<b>PHOTO</b>
TAKEN BY: C.R.	DRAWN BY: S.O.		REVISED: 00-00-00	

# BILL BARRETT CORPORATION

## LOCATION LAYOUT FOR

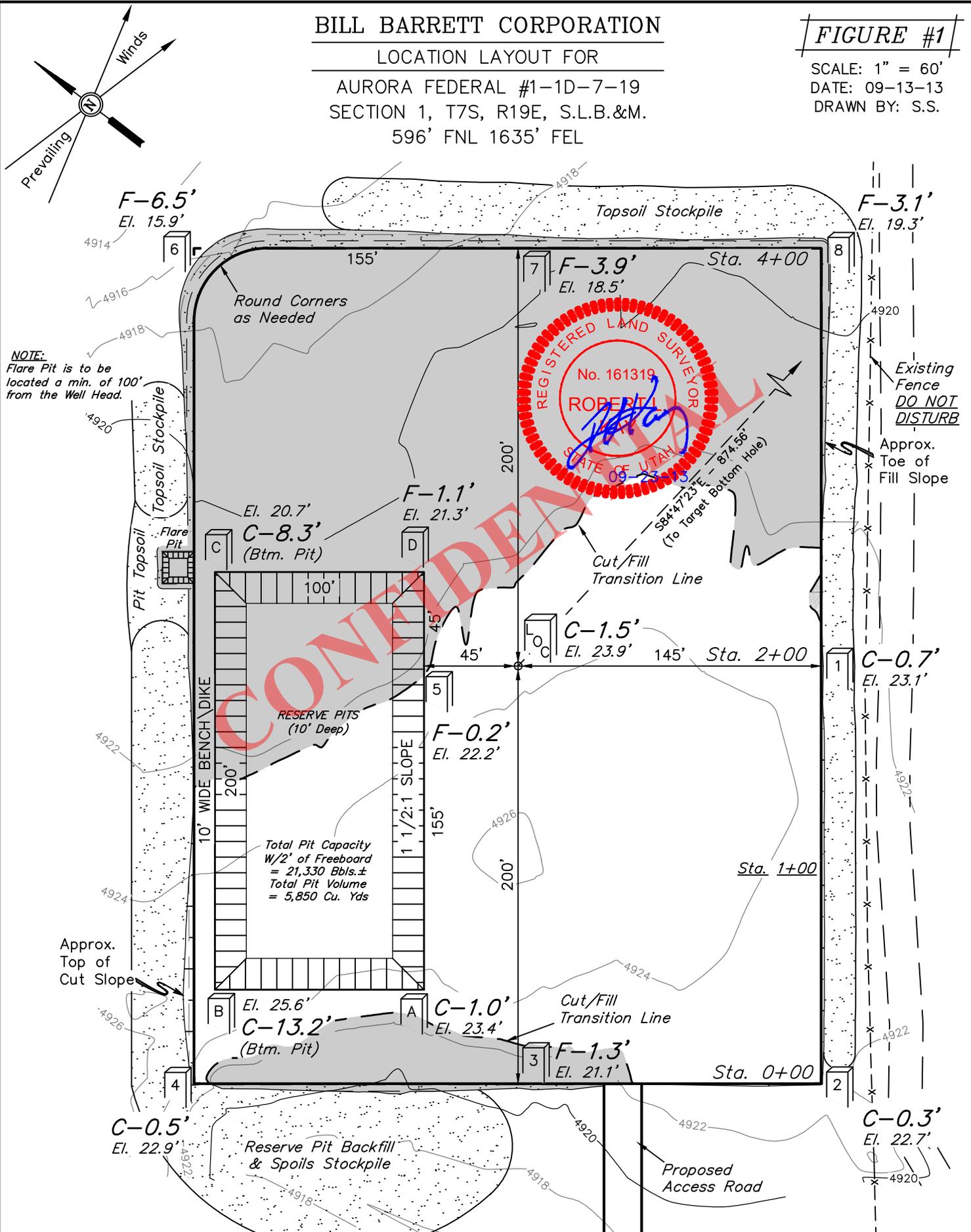
AURORA FEDERAL #1-1D-7-19  
SECTION 1, T7S, R19E, S.L.B.&M.  
596' FNL 1635' FEL

**FIGURE #1**

SCALE: 1" = 60'

DATE: 09-13-13

DRAWN BY: S.S.



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

Existing Fence  
**DO NOT DISTURB**

Approx. Toe of Fill Slope

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Total Pit Capacity  
W/2' of Freeboard  
= 21,330 Bbbls.±  
Total Pit Volume  
= 5,850 Cu. Yds

Elev. Ungraded Ground At Loc. Stake = 4923.9'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4922.4'

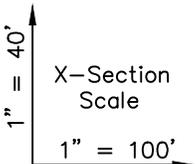
UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: February 20, 2014

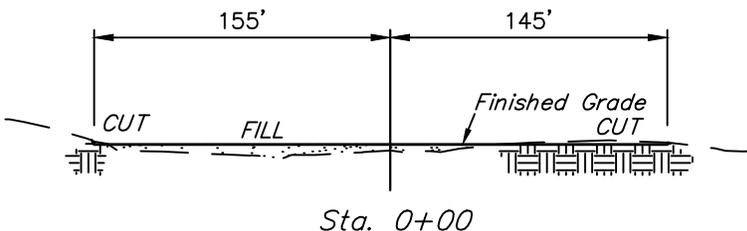
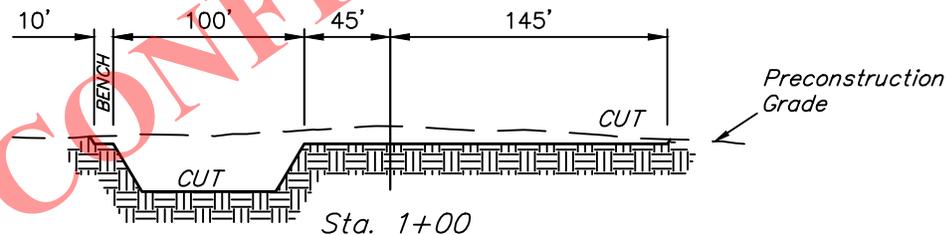
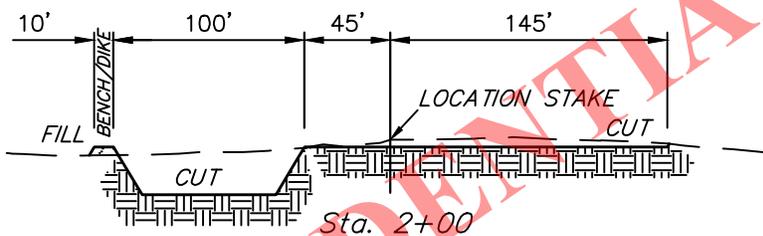
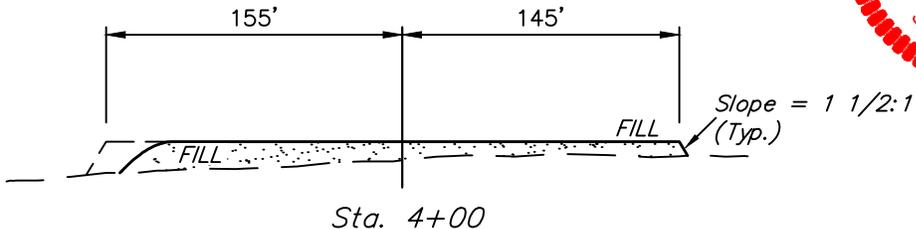
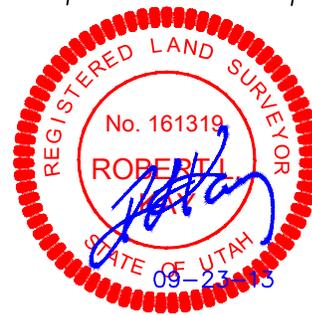
**BILL BARRETT CORPORATION**

TYPICAL CROSS SECTIONS FOR  
 AURORA FEDERAL #1-1D-7-19  
 SECTION 1, T7S, R19E, S.L.B.&M.  
 596' FNL 1635' FEL

**FIGURE #2**



DATE: 09-13-13  
 DRAWN BY: S.S.



**NOTE:**

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

APPROXIMATE ACREAGE

WELL SITE DISTURBANCE	= ± 4.446 ACRES
ACCESS ROAD DISTURBANCE	= ± 1.565 ACRES
PIPELINE DISTURBANCE	= ± 1.567 ACRES
<b>TOTAL</b>	<b>= ± 7.578 ACRES</b>

\* NOTE:  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 2,310 Cu. Yds.
Remaining Location	= 8,360 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 10,670 CU. YDS.</b>
<b>FILL</b>	<b>= 5,430 CU. YDS.</b>

EXCESS MATERIAL	= 5,240 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,240 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

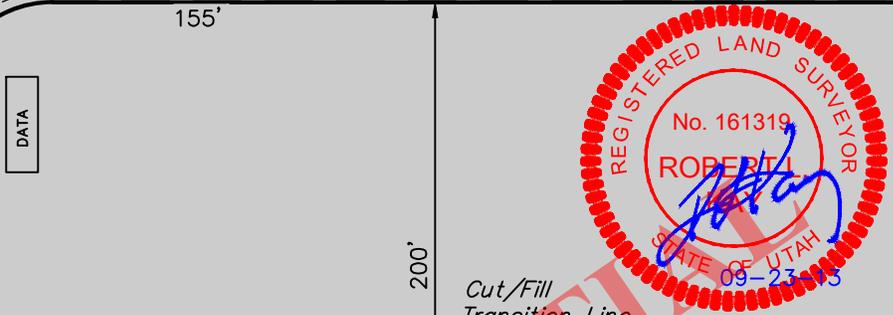
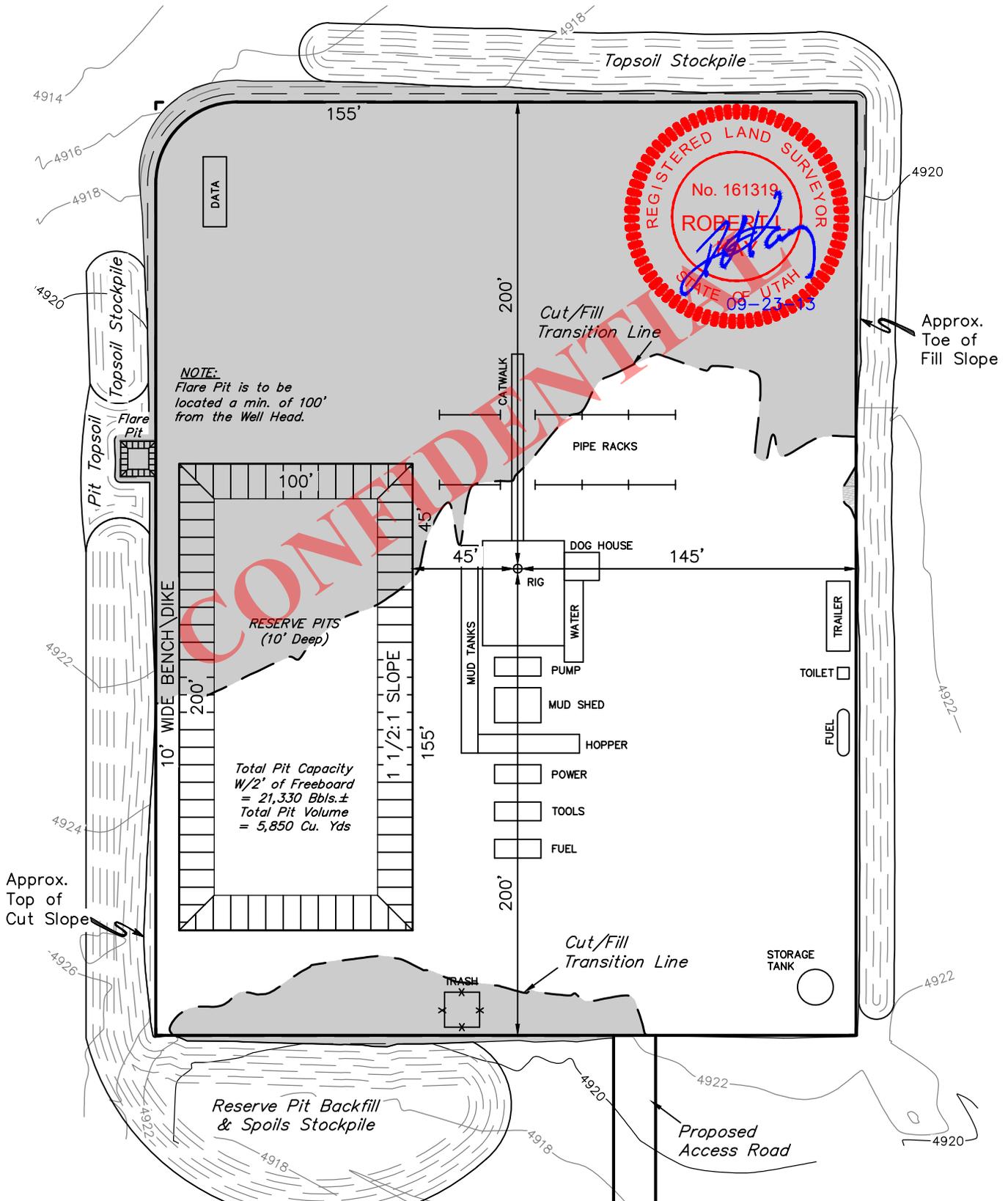
# BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

AURORA FEDERAL #1-1D-7-19  
SECTION 1, T7S, R19E, S.L.B.&M.  
596' FNL 1635' FEL

**FIGURE #3**

SCALE: 1" = 60'  
DATE: 09-13-13  
DRAWN BY: S.S.

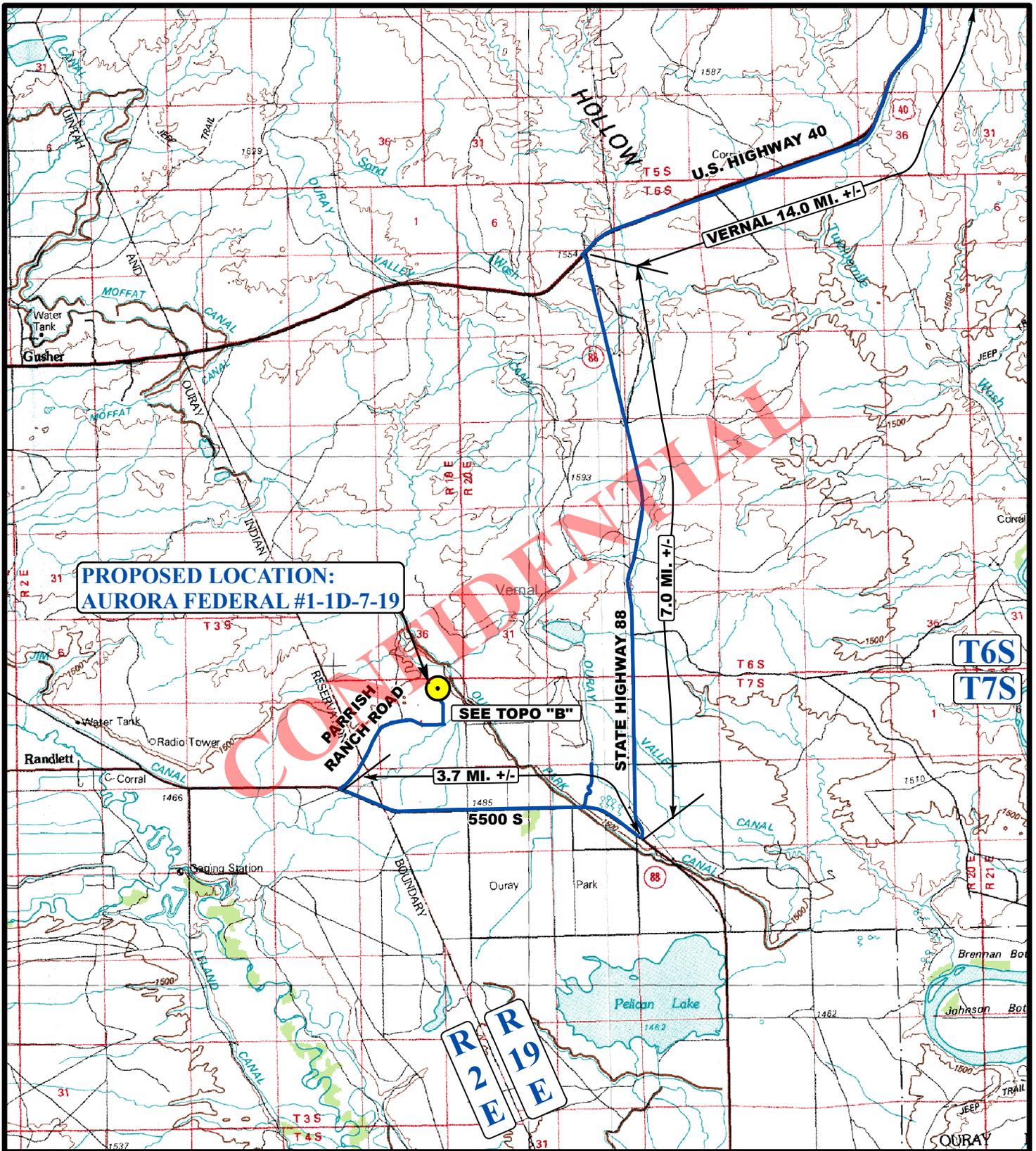


CONFIDENTIAL

**BILL BARRETT CORPORATION**  
**AURORA FEDERAL #1-1D-7-19**  
**SECTION 1, T7S, R19E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND PARRISH RANCH ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE AURORA #9-1D-7-19 TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2,791' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2,298' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 26.7 MILES.



**PROPOSED LOCATION:  
AURORA FEDERAL #1-1D-7-19**

**SEE TOPO "B"**

**R 19 E  
R 20 E  
R 21 E**

**T6S  
T7S**

**LEGEND:**

 **PROPOSED LOCATION**

**BILL BARRETT CORPORATION**

**AURORA FEDERAL #1-1D-7-19  
SECTION 1, T7S, R19E, S.L.B.&M.  
596' FNL 1635' FEL**



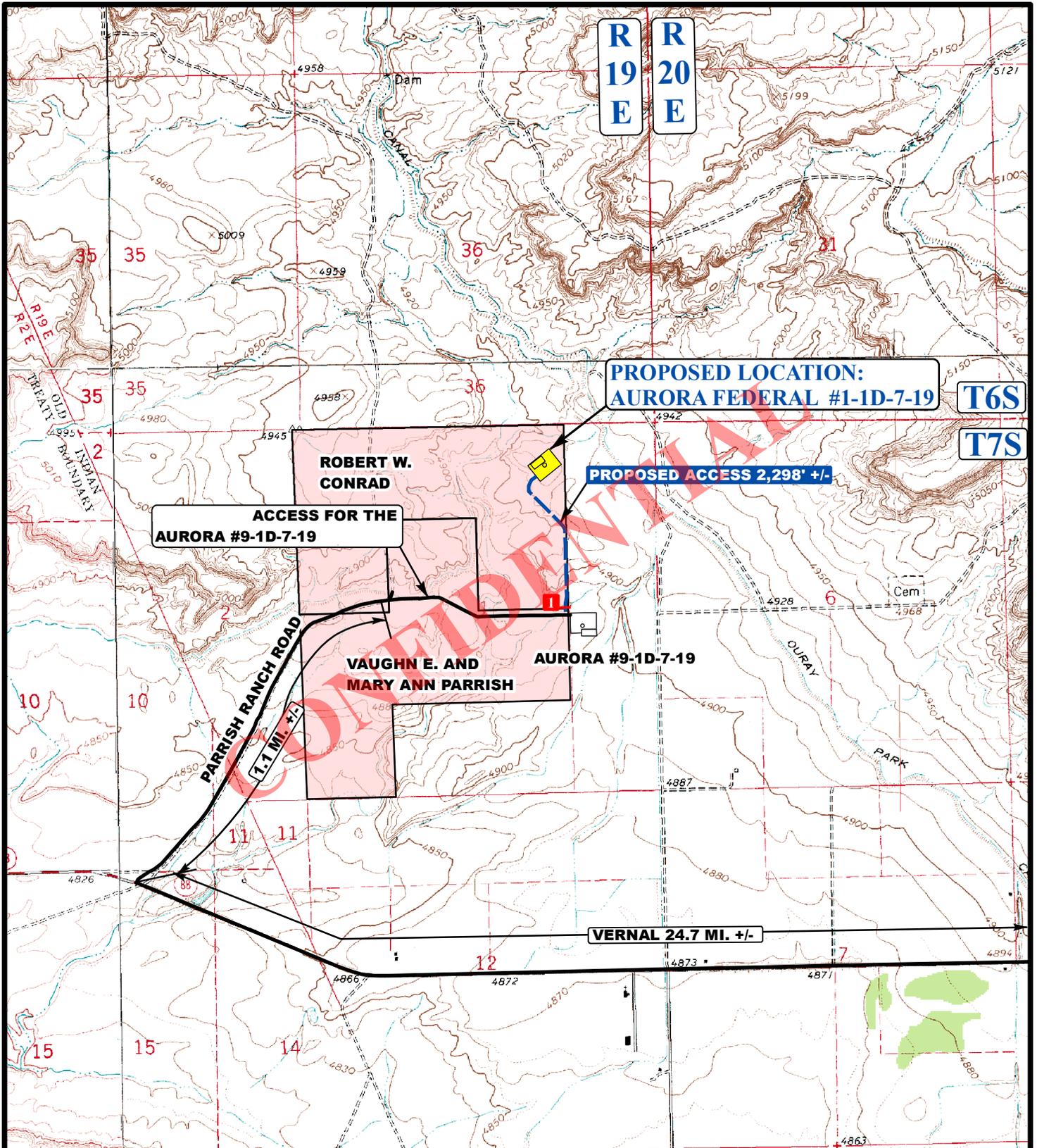
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**ACCESS ROAD  
MAP**  
SCALE: 1:100,000 DRAWN BY: S.O.

<b>09</b> MONTH	<b>16</b> DAY	<b>13</b> YEAR
REVISED: 00-00-00		





**R  
19  
E**

**R  
20  
E**

**PROPOSED LOCATION:  
AURORA FEDERAL #1-1D-7-19**

**T6S**

**T7S**

**PROPOSED ACCESS 2,298' +/-**

**ACCESS FOR THE  
AURORA #9-1D-7-19**

**ROBERT W.  
CONRAD**

**VAUGHN E. AND  
MARY ANN PARRISH**

**AURORA #9-1D-7-19**

**PARRISH RANCH ROAD  
7.1 MI. +/-**

**VERNAL 24.7 MI. +/-**

**LEGEND:**

- EXISTING ROADS
- PROPOSED ACCESS ROAD
- EXISTING POWER LINE
- 24" CMP REQUIRED

**BILL BARRETT CORPORATION**

**AURORA FEDERAL #1-1D-7-19  
SECTION 1, T7S, R19E, S.L.B.&M.  
596' FNL 1635' FEL**

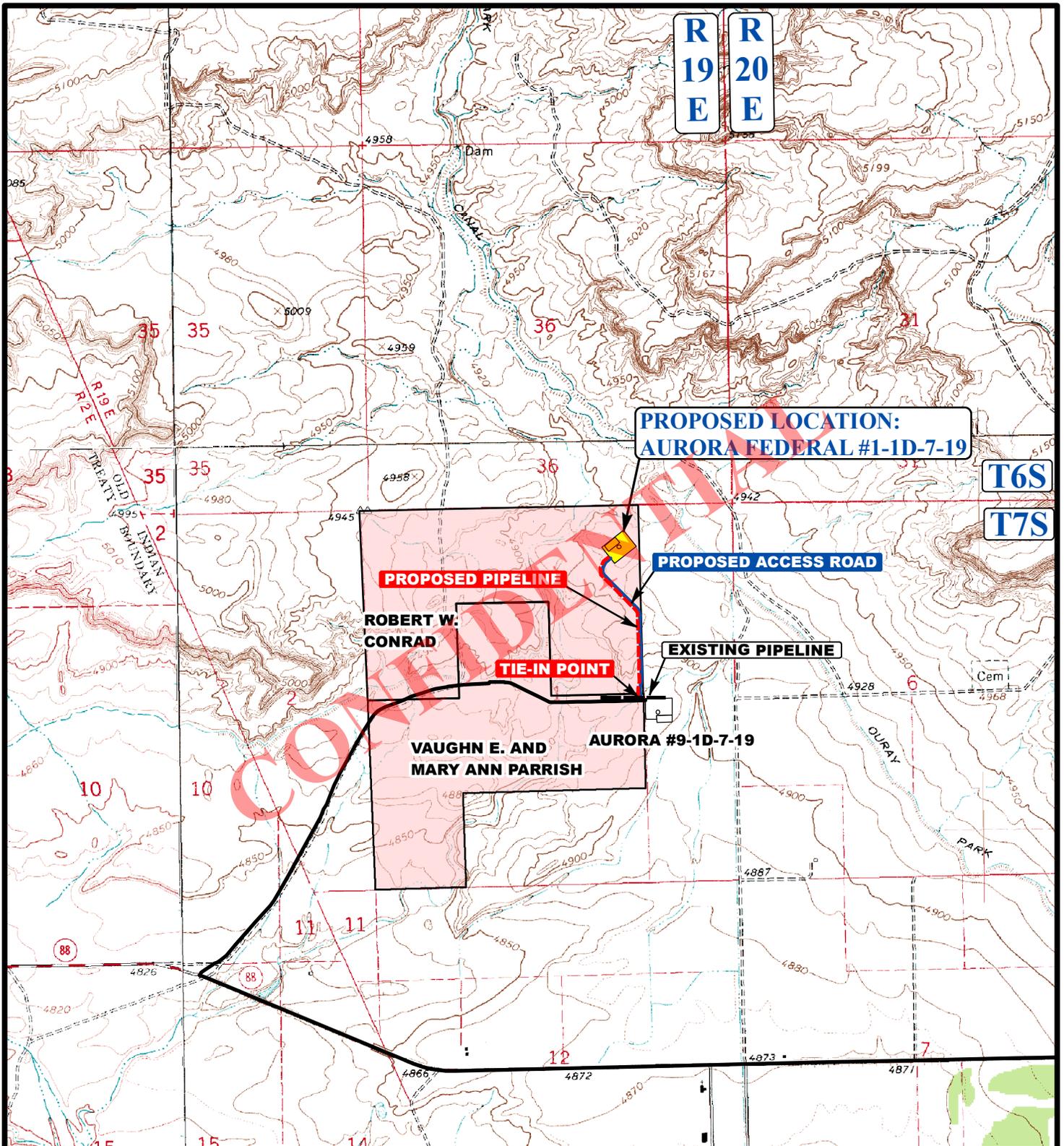
**U&L S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD  
MAP**

<b>09</b> MONTH	<b>16</b> DAY	<b>13</b> YEAR
--------------------	------------------	-------------------

SCALE: 1"=2000' DRAWN BY: S.O. REVISED: 09-25-13

**B  
TOPO**



**APPROXIMATE TOTAL PIPELINE DISTANCE = 2,321' +/-**

**LEGEND:**

-  EXISTING ROADS
-  PROPOSED ACCESS ROAD
-  PROPOSED PIPELINE
-  EXISTING PIPELINE

**BILL BARRETT CORPORATION**

**AURORA FEDERAL #1-1D-7-19**  
**SECTION 1, T7S, R19E, S.L.B.&M.**  
**596' FNL 1635' FEL**



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

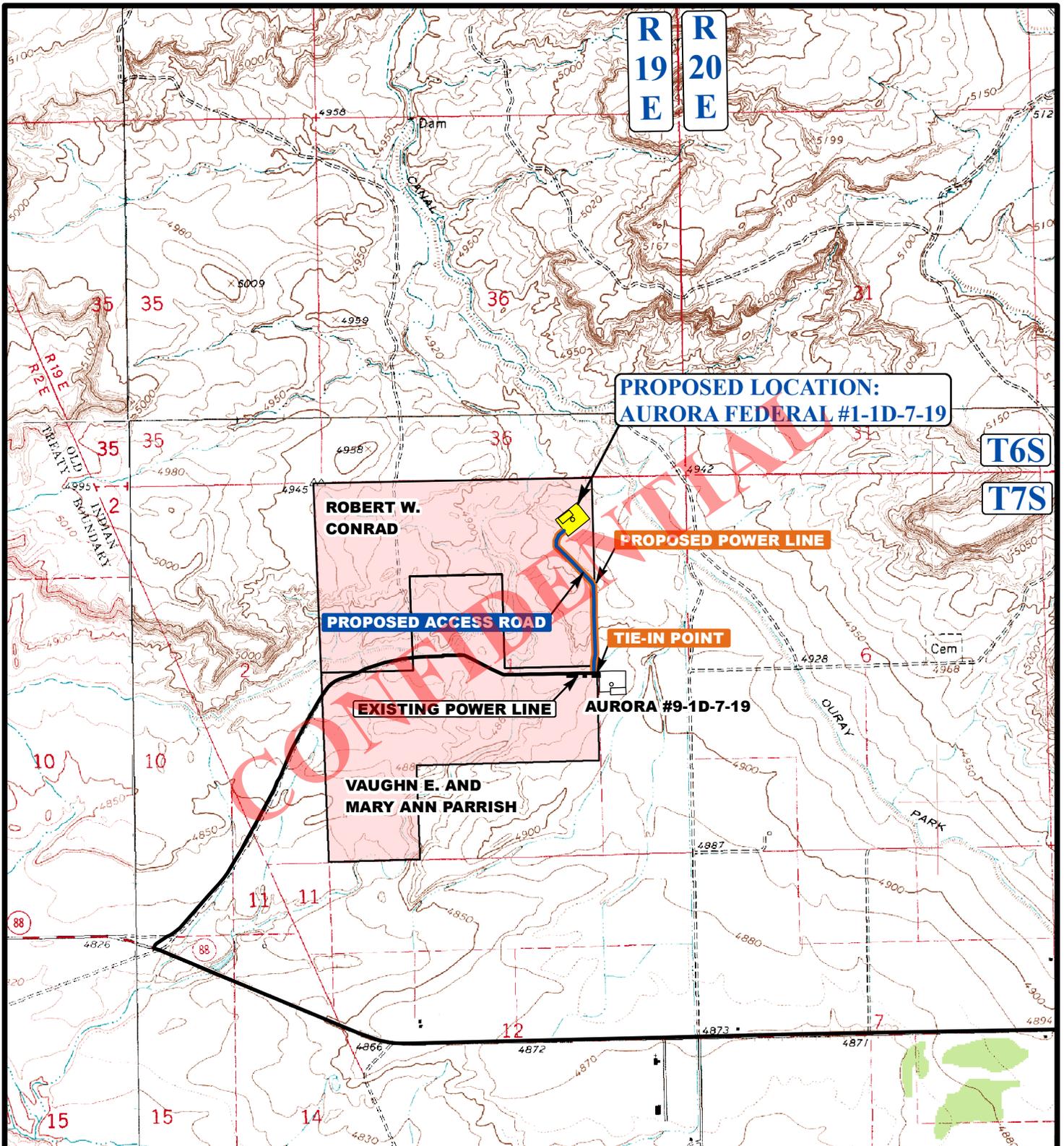


**TOPOGRAPHIC**  
**MAP**

**09 16 13**  
 MONTH DAY YEAR

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





**APPROXIMATE TOTAL POWER LINE DISTANCE = 2,328' +/-**

**LEGEND:**

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

**BILL BARRETT CORPORATION**

**AURORA FEDERAL #1-1D-7-19  
SECTION 1, T7S, R19E, S.L.B.&M.  
596' FNL 1635' FEL**

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



**TOPOGRAPHIC MAP** 09 16 13  
MONTH DAY YEAR  
SCALE: 1"=2000' DRAWN BY: S.O. REVISED: 00-00-00 **D**  
TOPO

# **BILL BARRETT CORP**

**UINTAH COUNTY**

**1-1D-7-19 AF**

**1-1D-7-19 AF**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**01 October, 2013**

**CONFIDENTIAL**



SITE DETAILS: 1-1D-7-19 AF  
East Bluebell

Site Latitude: 40° 14' 44.138 N  
Site Longitude: 109° 43' 37.261 W

**COMPANY DETAILS: BILL BARRETT CORP**

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

Positional Uncertainty: 0.0  
Convergence: 1.17  
Local North: True

**WELL DETAILS: 1-1D-7-19 AF**

Ground Level: 4922.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	-26916.63	2494972.99	40° 14' 44.138 N	109° 43' 37.261 W	

**WELLBORE TARGET DETAILS (LAT/LONG)**

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
1-1D-7-19 AF BTV	5800.0	-12.0	871.1	40° 14' 44.020 N	109° 43' 26.029 W	Rectangle (Sides: L200.0 W200.0)
1-1D-7-19 AF PBHL	9157.0	-12.0	871.1	40° 14' 44.020 N	109° 43' 26.029 W	Rectangle (Sides: L200.0 W200.0)

**SECTION DETAILS**

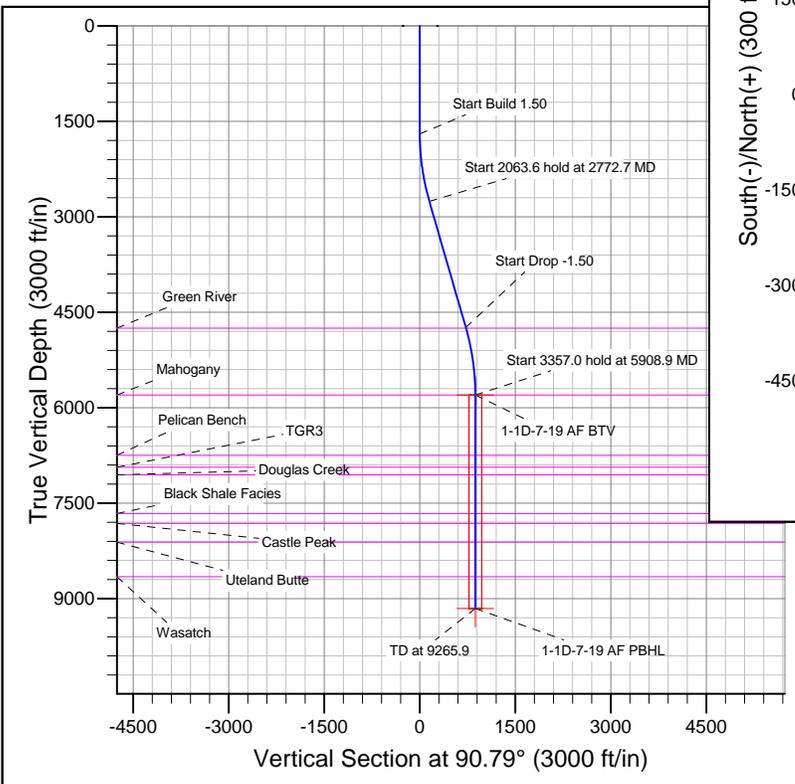
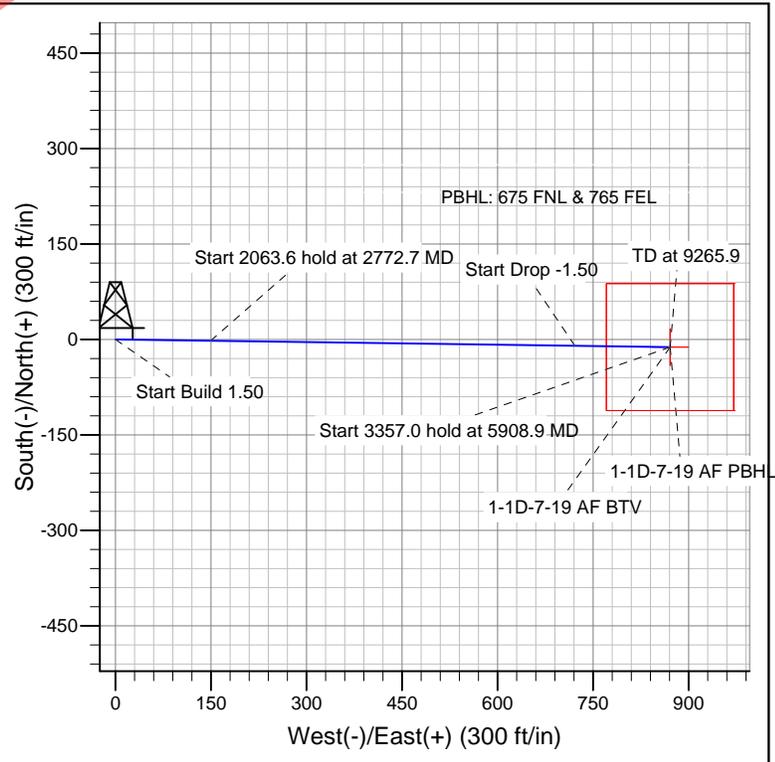
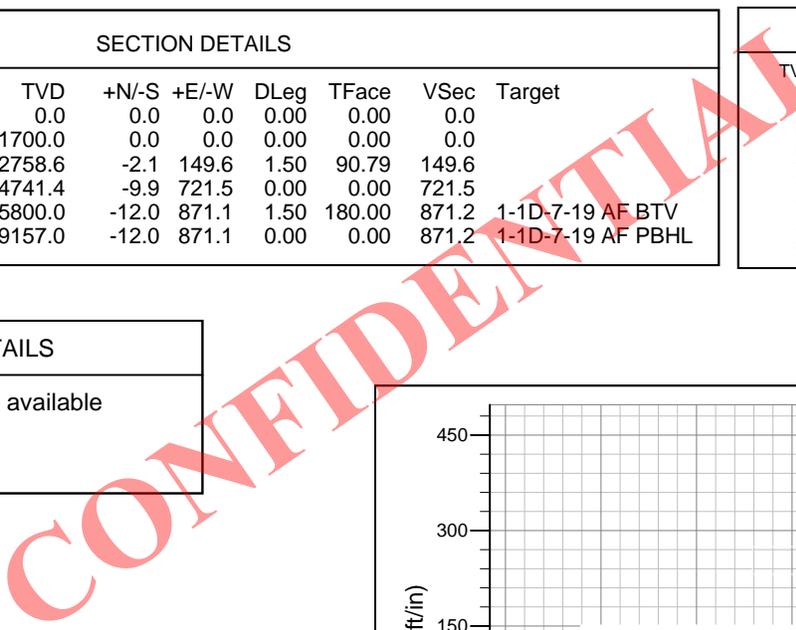
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1700.0	0.00	0.00	1700.0	0.0	0.0	0.00	0.00	0.0	
3	2772.7	16.09	90.79	2758.6	-2.1	149.6	1.50	90.79	149.6	
4	4836.3	16.09	90.79	4741.4	-9.9	721.5	0.00	0.00	721.5	
5	5908.9	0.00	0.00	5800.0	-12.0	871.1	1.50	180.00	871.2	1-1D-7-19 AF BTV
6	9265.9	0.00	0.00	9157.0	-12.0	871.1	0.00	0.00	871.2	1-1D-7-19 AF PBHL

**FORMATION TOP DETAILS**

TVDP	MDPath	Formation
4750.0	4845.2	Green River
5801.0	5909.9	Mahogany
6749.0	6857.9	Pelican Bench
6936.0	7044.9	TGR3
7058.0	7166.9	Douglas Creek
7663.0	7771.9	Black Shale Facies
7818.0	7926.9	Castle Peak
8112.0	8220.9	Uteland Butte
8657.0	8765.9	Wasatch

**CASING DETAILS**

No casing data is available



**Azimuths to True North**  
 Magnetic North: 10.91°  
  
**Magnetic Field**  
 Strength: 52201.9snT  
 Dip Angle: 65.96°  
 Date: 10/1/2013  
 Model: IGRF2010

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site 1-1D-7-19 AF
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Site:</b>	1-1D-7-19 AF	<b>North Reference:</b>	True
<b>Well:</b>	1-1D-7-19 AF	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<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>	1-1D-7-19 AF				
<b>Site Position:</b>		<b>Northing:</b>	-26,916.63 ft	<b>Latitude:</b>	40° 14' 44.138 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,494,972.99 ft	<b>Longitude:</b>	109° 43' 37.261 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.17 °

<b>Well</b>	1-1D-7-19 AF					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	-26,916.63 ft	<b>Latitude:</b>	40° 14' 44.138 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,494,972.99 ft	<b>Longitude:</b>	109° 43' 37.261 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	4,922.0 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</b>
	IGRF2010	10/1/2013	(°)	(°)	(nT)
			10.91	65.96	52,202

<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)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	90.79

<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	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,772.7	16.09	90.79	2,758.6	-2.1	149.6	1.50	1.50	0.00	90.79	
4,836.3	16.09	90.79	4,741.4	-9.9	721.5	0.00	0.00	0.00	0.00	
5,908.9	0.00	0.00	5,800.0	-12.0	871.1	1.50	-1.50	0.00	180.00	1-1D-7-19 AF BTV
9,265.9	0.00	0.00	9,157.0	-12.0	871.1	0.00	0.00	0.00	0.00	1-1D-7-19 AF PBHL

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site 1-1D-7-19 AF
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Site:</b>	1-1D-7-19 AF	<b>North Reference:</b>	True
<b>Well:</b>	1-1D-7-19 AF	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<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
<b>Start Build 1.50</b>									
1,800.0	1.50	90.79	1,800.0	0.0	1.3	1.3	1.50	1.50	0.00
1,900.0	3.00	90.79	1,899.9	-0.1	5.2	5.2	1.50	1.50	0.00
2,000.0	4.50	90.79	1,999.7	-0.2	11.8	11.8	1.50	1.50	0.00
2,100.0	6.00	90.79	2,099.3	-0.3	20.9	20.9	1.50	1.50	0.00
2,200.0	7.50	90.79	2,198.6	-0.5	32.7	32.7	1.50	1.50	0.00
2,300.0	9.00	90.79	2,297.5	-0.7	47.0	47.0	1.50	1.50	0.00
2,400.0	10.50	90.79	2,396.1	-0.9	64.0	64.0	1.50	1.50	0.00
2,500.0	12.00	90.79	2,494.2	-1.2	83.5	83.5	1.50	1.50	0.00
2,600.0	13.50	90.79	2,591.7	-1.5	105.5	105.5	1.50	1.50	0.00
2,700.0	15.00	90.79	2,688.6	-1.8	130.1	130.2	1.50	1.50	0.00
2,772.7	16.09	90.79	2,758.6	-2.1	149.6	149.6	1.50	1.50	0.00
<b>Start 2063.6 hold at 2772.7 MD</b>									
2,800.0	16.09	90.79	2,784.9	-2.2	157.2	157.2	0.00	0.00	0.00
2,900.0	16.09	90.79	2,881.0	-2.6	184.9	184.9	0.00	0.00	0.00
3,000.0	16.09	90.79	2,977.1	-2.9	212.6	212.6	0.00	0.00	0.00
3,100.0	16.09	90.79	3,073.1	-3.3	240.3	240.3	0.00	0.00	0.00
3,200.0	16.09	90.79	3,169.2	-3.7	268.0	268.1	0.00	0.00	0.00
3,300.0	16.09	90.79	3,265.3	-4.1	295.7	295.8	0.00	0.00	0.00
3,400.0	16.09	90.79	3,361.4	-4.5	323.5	323.5	0.00	0.00	0.00
3,500.0	16.09	90.79	3,457.5	-4.8	351.2	351.2	0.00	0.00	0.00
3,600.0	16.09	90.79	3,553.5	-5.2	378.9	378.9	0.00	0.00	0.00
3,700.0	16.09	90.79	3,649.6	-5.6	406.6	406.6	0.00	0.00	0.00
3,800.0	16.09	90.79	3,745.7	-6.0	434.3	434.3	0.00	0.00	0.00
3,900.0	16.09	90.79	3,841.8	-6.4	462.0	462.1	0.00	0.00	0.00
4,000.0	16.09	90.79	3,937.9	-6.8	489.7	489.8	0.00	0.00	0.00
4,100.0	16.09	90.79	4,034.0	-7.1	517.4	517.5	0.00	0.00	0.00
4,200.0	16.09	90.79	4,130.0	-7.5	545.2	545.2	0.00	0.00	0.00
4,300.0	16.09	90.79	4,226.1	-7.9	572.9	572.9	0.00	0.00	0.00
4,400.0	16.09	90.79	4,322.2	-8.3	600.6	600.6	0.00	0.00	0.00
4,500.0	16.09	90.79	4,418.3	-8.7	628.3	628.4	0.00	0.00	0.00
4,600.0	16.09	90.79	4,514.4	-9.0	656.0	656.1	0.00	0.00	0.00
4,700.0	16.09	90.79	4,610.5	-9.4	683.7	683.8	0.00	0.00	0.00
4,800.0	16.09	90.79	4,706.5	-9.8	711.4	711.5	0.00	0.00	0.00
4,836.3	16.09	90.79	4,741.4	-9.9	721.5	721.5	0.00	0.00	0.00

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site 1-1D-7-19 AF
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Site:</b>	1-1D-7-19 AF	<b>North Reference:</b>	True
<b>Well:</b>	1-1D-7-19 AF	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<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)	
<b>Start Drop -1.50</b>										
4,845.2	15.96	90.79	4,750.0	-10.0	724.0	724.0	1.50	-1.50	0.00	
<b>Green River</b>										
4,900.0	15.13	90.79	4,802.8	-10.2	738.6	738.7	1.50	-1.50	0.00	
5,000.0	13.63	90.79	4,899.6	-10.5	763.5	763.5	1.50	-1.50	0.00	
5,100.0	12.13	90.79	4,997.1	-10.8	785.8	785.8	1.50	-1.50	0.00	
5,200.0	10.63	90.79	5,095.1	-11.1	805.5	805.6	1.50	-1.50	0.00	
5,300.0	9.13	90.79	5,193.7	-11.3	822.7	822.7	1.50	-1.50	0.00	
5,400.0	7.63	90.79	5,292.6	-11.5	837.2	837.3	1.50	-1.50	0.00	
5,500.0	6.13	90.79	5,391.9	-11.7	849.2	849.3	1.50	-1.50	0.00	
5,600.0	4.63	90.79	5,491.4	-11.8	858.6	858.7	1.50	-1.50	0.00	
5,700.0	3.13	90.79	5,591.2	-11.9	865.4	865.5	1.50	-1.50	0.00	
5,800.0	1.63	90.79	5,691.1	-12.0	869.5	869.6	1.50	-1.50	0.00	
5,900.0	0.13	90.79	5,791.1	-12.0	871.1	871.2	1.50	-1.50	0.00	
5,908.9	0.00	0.00	5,800.0	-12.0	871.1	871.2	1.50	-1.50	0.00	
<b>Start 3357.0 hold at 5908.9 MD</b>										
5,909.9	0.00	0.00	5,801.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>Mahogany</b>										
6,000.0	0.00	0.00	5,891.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,991.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,091.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,191.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,291.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,391.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,491.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,591.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,691.1	-12.0	871.1	871.2	0.00	0.00	0.00	
6,857.9	0.00	0.00	6,749.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>Pelican Bench</b>										
6,900.0	0.00	0.00	6,791.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,891.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,044.9	0.00	0.00	6,936.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>TGR3</b>										
7,100.0	0.00	0.00	6,991.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,166.9	0.00	0.00	7,058.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>Douglas Creek</b>										
7,200.0	0.00	0.00	7,091.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,191.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,291.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,391.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,491.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,591.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,771.9	0.00	0.00	7,663.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>Black Shale Facies</b>										
7,800.0	0.00	0.00	7,691.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,791.1	-12.0	871.1	871.2	0.00	0.00	0.00	
7,926.9	0.00	0.00	7,818.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>Castle Peak</b>										
8,000.0	0.00	0.00	7,891.1	-12.0	871.1	871.2	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,991.1	-12.0	871.1	871.2	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,091.1	-12.0	871.1	871.2	0.00	0.00	0.00	
8,220.9	0.00	0.00	8,112.0	-12.0	871.1	871.2	0.00	0.00	0.00	
<b>Uteland Butte</b>										

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site 1-1D-7-19 AF
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Site:</b>	1-1D-7-19 AF	<b>North Reference:</b>	True
<b>Well:</b>	1-1D-7-19 AF	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<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)
8,300.0	0.00	0.00	8,191.1	-12.0	871.1	871.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,291.1	-12.0	871.1	871.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,391.1	-12.0	871.1	871.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,491.1	-12.0	871.1	871.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,591.1	-12.0	871.1	871.2	0.00	0.00	0.00
8,765.9	0.00	0.00	8,657.0	-12.0	871.1	871.2	0.00	0.00	0.00
<b>Wasatch</b>									
8,800.0	0.00	0.00	8,691.1	-12.0	871.1	871.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,791.1	-12.0	871.1	871.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,891.1	-12.0	871.1	871.2	0.00	0.00	0.00
9,100.0	0.00	0.00	8,991.1	-12.0	871.1	871.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,091.1	-12.0	871.1	871.2	0.00	0.00	0.00
9,265.9	0.00	0.00	9,157.0	-12.0	871.1	871.2	0.00	0.00	0.00
<b>TD at 9265.9</b>									

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
1-1D-7-19 AF BTV - plan hits target - Rectangle (sides W200.0 H200.0 D3,357.0)	0.00	0.00	5,800.0	-12.0	871.1	-26,910.86	2,495,844.14	40° 14' 44.020 N	109° 43' 26.029 W
1-1D-7-19 AF PBHL - plan hits target - Rectangle (sides W200.0 H200.0 D0.0)	0.00	0.00	9,157.0	-12.0	871.1	-26,910.86	2,495,844.14	40° 14' 44.020 N	109° 43' 26.029 W

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,845.2	4,750.0	Green River		0.00		
5,909.9	5,801.0	Mahogany		0.00		
6,857.9	6,749.0	Pelican Bench		0.00		
7,044.9	6,936.0	TGR3		0.00		
7,166.9	7,058.0	Douglas Creek		0.00		
7,771.9	7,663.0	Black Shale Facies		0.00		
7,926.9	7,818.0	Castle Peak		0.00		
8,220.9	8,112.0	Uteland Butte		0.00		
8,765.9	8,657.0	Wasatch		0.00		

**Bill Barrett Corp**

Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Site 1-1D-7-19 AF
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Project:</b>	UINTAH COUNTY	<b>MD Reference:</b>	KB @ 4937.0ft (Original Well Elev)
<b>Site:</b>	1-1D-7-19 AF	<b>North Reference:</b>	True
<b>Well:</b>	1-1D-7-19 AF	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,700.0	1,700.0	0.0	0.0	Start Build 1.50	
2,772.7	2,758.6	-2.1	149.6	Start 2063.6 hold at 2772.7 MD	
4,836.3	4,741.4	-9.9	721.5	Start Drop -1.50	
5,908.9	5,800.0	-12.0	871.1	Start 3357.0 hold at 5908.9 MD	
9,265.9	9,157.0	-12.0	871.1	TD at 9265.9	

CONFIDENTIAL

Entry 2013011042  
Book 1357 Page 911-912 \$12.00  
15-NOV-13 09:58  
RANDY SIMMONS  
RECORDER, UINTAH COUNTY, UTAH  
ENCORE LAND SERVICES INC  
PO BOX 1729 VERNAL, UT 84078  
Rec By: SYLENE ACCUTTORROOP, DEPUTY  
Entry 2013011042  
Book 1357 Page 911

MEMORANDUM OF SURFACE USE AGREEMENT

State of Utah )(
County of Uintah )(

For Ten Dollars (\$10.00) and other adequate consideration, Robert W. Conrad of 5510 South 300 West, Murray, UT 84107, hereafter referred to as "Surface Owner" has granted, a Surface Use Agreement, to Bill Barrett Corporation of 1099 18th Street, #2300, Denver, CO 80202, hereafter referred to as "Bill Barrett", dated November 1, 2013, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Aurora Federal 1-1D-7-19 on the following land (the "Lands") in Uintah County Utah: A tract of land lying in the NE/4 of Section 1, Township 7 South, Range 19 East, SLM, Uintah County, as further described on Exhibit "A" attached hereto and made a part hereof.

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

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

Executed this 8 day of November, 2013.

SURFACE OWNER:

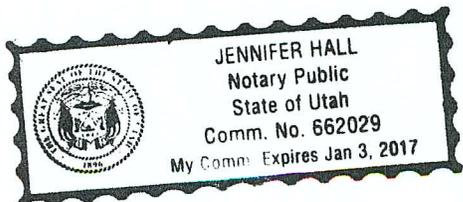
Robert W Conrad
Robert W. Conrad

ACKNOWLEDGMENT

STATE OF UTAH }
} SS
COUNTY OF UINTAH }

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 8th day of November, 2013, personally appeared Robert W. Conrad, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Jennifer Hall
NOTARY PUBLIC
Residing at: Uintah County, Utah

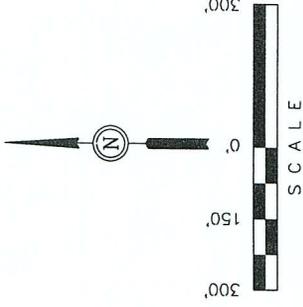


BILL BARRETT CORPORATION

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

(For AURORA FEDERAL #1-1D-7-19)

LOCATED IN  
SECTION 1, T7S, R19E, S.L.B.&M.,  
UINTAH COUNTY, UTAH



BASIS OF BEARINGS

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

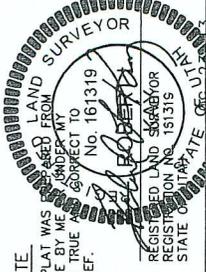
**RIGHT-OF-WAY LENGTHS**

PROPERTY OWNER	FEET	ACRES	RODS
ROBERT W. CONRAD	2260.67	1.557	137.01
VAUGHN E. AND MARY ANN PARRISH	11.48	0.008	0.70

▲ = SECTION CORNERS LOCATED.

**CERTIFICATE**

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



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

SCALE	DATE
1" = 300'	09-13-13
PARTY	REFERENCES
C.R. J.S. S.S.	G.L.O. PLAT
WEATHER	FILE
WARM	5 0 9 5

LINE	DIRECTION	LENGTH
L1	N00°30'53"W	11.48'
L2	N00°30'53"W	132.65'
L3	N11°33'58"E	103.74'
L4	N00°35'27"W	735.14'
L5	N00°11'28"E	204.16'
L6	N04°05'05"W	50.07'
L7	N21°35'08"W	56.03'
L8	N43°43'57"W	732.47'
L9	N01°25'47"W	70.80'
L10	N27°35'38"E	63.08'
L11	N52°20'27"E	67.77'
L12	N52°20'27"E	25.50'
L13	N44°44'48"W	24.32'
L14	S71°13'21"W	40.32'
L15	N71°25'33"W	66.68'
L16	N15°53'31"W	122.98'
L17	N31°08'49"E	79.71'
L18	N52°37'14"E	303.10'
L19	S77°35'40"E	122.64'
L20	S35°35'28"E	205.00'
L21	S53°14'34"W	267.83'
L22	S51°47'23"W	119.58'
L23	S50°40'07"W	92.60'
L24	N37°27'35"W	119.01'

BEGINNING OF ROAD STA. 0+00 BEARS S73°45'22"W 41.53' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M.  
P.O.P.L. 0+11.48 BEARS S89°48'51"W 40.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M.  
END OF ROAD STA. 22+72.15 BEARS S29°13'43"W 886.10' FROM THE NORTHEAST CORNER OF THE NW 1/4 NE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M.

**SURFACE USE AREA DESCRIPTION**

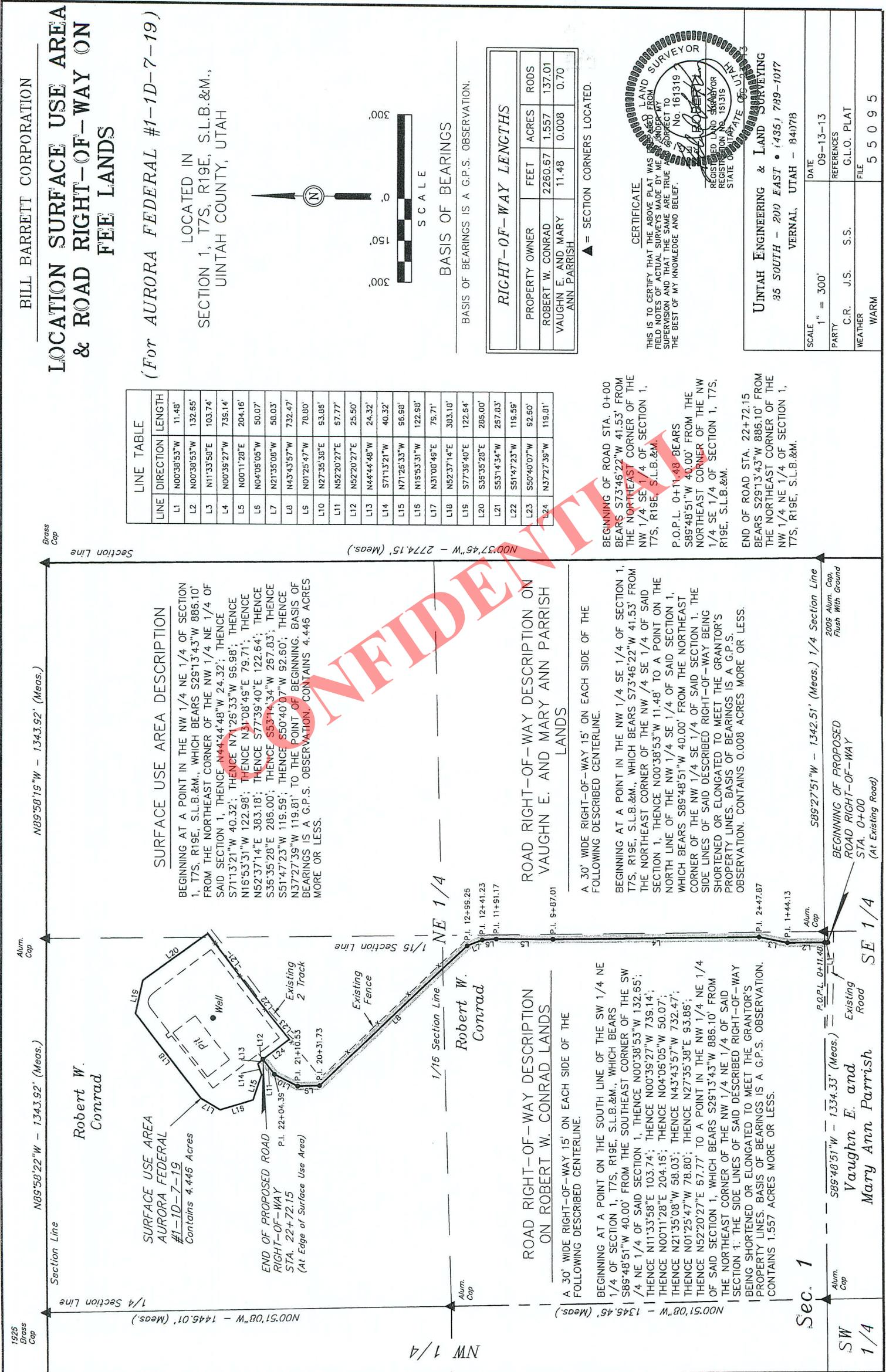
BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M., WHICH BEARS S29°13'43"W 886.10' FROM THE NORTHEAST CORNER OF THE NW 1/4 NE 1/4 OF SAID SECTION 1, THENCE N44°44'48"W 24.32'; THENCE S71°13'21"W 40.32'; THENCE N71°25'33"W 66.68'; THENCE N15°53'31"W 122.98'; THENCE N31°08'49"E 79.71'; THENCE N52°37'14"E 303.10'; THENCE S77°35'40"E 122.64'; THENCE S35°35'28"E 205.00'; THENCE S53°14'34"W 267.83'; THENCE S51°47'23"W 119.58'; THENCE S50°40'07"W 92.60'; THENCE N37°27'35"W 119.01' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.446 ACRES MORE OR LESS.

**ROAD RIGHT-OF-WAY DESCRIPTION ON VAUGHN E. AND MARY ANN PARRISH LANDS**

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

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M., WHICH BEARS S73°45'22"W 41.53' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 1, THENCE N00°38'53"W 11.48' TO A POINT ON THE NORTH LINE OF THE NW 1/4 SE 1/4 OF SAID SECTION 1, WHICH BEARS S89°48'51"W 40.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.008 ACRES MORE OR LESS.

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



CONFIDENTIAL

1928  
Alum. Cap

Section Line

Robert W. Conrad

**SURFACE USE AREA  
AURORA FEDERAL  
#1-1D-7-19  
Contains 4.446 Acres**

END OF PROPOSED ROAD  
RIGHT-OF-WAY  
STA. 22+72.15  
(At Edge of Surface Use Area)

NW 1/4

Robert W. Conrad

**ROAD RIGHT-OF-WAY DESCRIPTION ON ROBERT W. CONRAD LANDS**

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

BEGINNING AT A POINT ON THE SOUTH LINE OF THE SW 1/4 NE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M., WHICH BEARS S89°48'51"W 40.00' FROM THE SOUTHEAST CORNER OF THE SW 1/4 NE 1/4 OF SAID SECTION 1, THENCE N00°38'53"W 132.65'; THENCE N11°33'58"E 103.74'; THENCE N00°39'27"W 739.14'; THENCE N00°11'28"E 204.16'; THENCE N04°06'05"W 50.07'; THENCE N21°35'08"W 56.03'; THENCE N43°43'57"W 732.47'; THENCE N01°25'47"W 78.80'; THENCE N27°35'38"E 93.86'; THENCE N52°20'27"E 67.77' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 1, WHICH BEARS S29°13'43"W 886.10' FROM THE NORTHEAST CORNER OF THE NW 1/4 NE 1/4 OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.557 ACRES MORE OR LESS.

Sec. 1

Vaughn E. and Mary Ann Parrish

Existing Road

SE 1/4

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

2005 Alum. Cap  
Flush With Ground

Section Line

SW 1/4

**SURFACE USE AGREEMENT  
(Aurora Federal 1-1D-7-19)**

**THIS AGREEMENT** Dated November 1, 2013 by and between \_\_\_\_\_

**Robert W. Conrad**

whose address is 5510 South 300 West Murray, UT 84107  
phone (801-865-6221)

\_\_\_\_\_ , hereinafter referred to as "Surface Owner", and  
\_\_\_\_\_ 1099 18<sup>th</sup> Street, #2300, Denver, CO 80202

**Bill Barrett Corporation and its Subsidiaries**

\_\_\_\_\_ , whose address is  
hereinafter referred to as "Operator".

WITNESSETH:

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

A Tract of land lying in the **NE/4, Section 1, Township 7 South, Range 19 East, SLM**, as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests within the next five (5) years in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

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

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

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

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

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

**POWERLINE Right-OF-WAY will be NEGOTIATED AS A SEPARATE AGREEMENT WITH MOON LAKE ELECTRIC**

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

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

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

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

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

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

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

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

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

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

ADDITIONAL PROVISIONS:

llar  
1.a.  
ars

**SURFACE OWNER:**

*Robert W Conrad*

By: Robert W. Conrad

**OPERATOR:**

Bill Barrett Corporation

Mitchell J. Reneau, Vice President – Land

**CONFIDENTIAL**

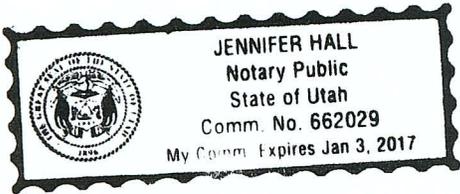
**ACKNOWLEDGMENT**

STATE OF UTAH  
COUNTY OF UINTAH

} SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 8<sup>th</sup> day of NOVEMBER, 2013, personally appeared **Robert W. Conrad**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

*Jennifer Hall*  
NOTARY PUBLIC  
Residing at: UINTAH County, Utah



**ACKNOWLEDGMENT**

STATE OF COLORADO }  
CITY & COUNTY OF DENVER } SS

On the \_\_\_\_\_ day of \_\_\_\_\_, 2013, before me the undersigned authority, appeared **Mitchell J. Reneau**, to me personally known, who, being sworn, did say that they are the Vice President – Land for Bill Barrett Corporation, and that the foregoing instrument was signed in behalf of said partnership and corporate officer acknowledged to me that said instrument to be the free act and deed of the partnership.

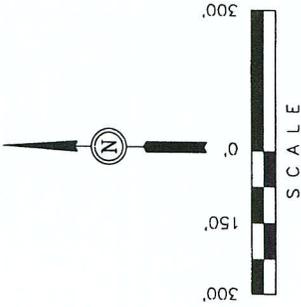
\_\_\_\_\_  
NOTARY PUBLIC  
Residing at: \_\_\_\_\_

BILL BARRETT CORPORATION

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

(For AURORA FEDERAL #1-1D-7-19)

LOCATED IN SECTION 1, T7S, R19E, S.L.B.&M., UINTAH COUNTY, UTAH



BASIS OF BEARINGS

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

**RIGHT-OF-WAY LENGTHS**

PROPERTY OWNER	FEET	ACRES	RODS
ROBERT W. CONRAD	2260.67	1.557	137.01
VAUGHN E. AND MARY ANN PARRISH	11.48	0.008	0.70

▲ = SECTION CORNERS LOCATED.



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

SCALE	DATE
1" = 300'	09-13-13
PARTY	REFERENCES
C.R. J.S. S.S.	G.L.O. PLAT
WEATHER	FILE
WARM	5 5 0 9 5

LINE	DIRECTION	LENGTH
L1	N00°38'53"W	11.48'
L2	N00°38'53"W	132.65'
L3	N11°33'58"E	103.74'
L4	N00°38'27"W	735.14'
L5	N00°11'28"E	204.15'
L6	N04°05'05"W	50.07'
L7	N21°35'08"W	56.03'
L8	N43°43'57"W	732.47'
L9	N01°25'47"W	78.80'
L10	N27°35'38"E	53.95'
L11	N52°20'27"E	57.77'
L12	N62°20'27"E	25.50'
L13	N44°44'48"W	24.32'
L14	S71°13'21"W	40.32'
L15	N71°26'33"W	56.96'
L16	N15°53'31"W	122.93'
L17	N31°08'45"E	75.71'
L18	N52°37'14"E	303.10'
L19	S77°35'40"E	122.54'
L20	S35°35'28"E	205.00'
L21	S53°14'34"W	257.83'
L22	S51°47'23"W	119.59'
L23	S50°40'07"W	92.50'
L24	N37°27'35"W	119.01'

BEGINNING OF ROAD STA. 0+00 BEARS S73°45'22"W 41.53' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M.

P.O.P.L. 0+11.48 BEARS S89°48'51"W 40.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M.

END OF ROAD STA. 22+72.15 BEARS S29°13'43"W 886.10' FROM THE NORTHEAST CORNER OF THE NW 1/4 NE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M.

**SURFACE USE AREA DESCRIPTION**

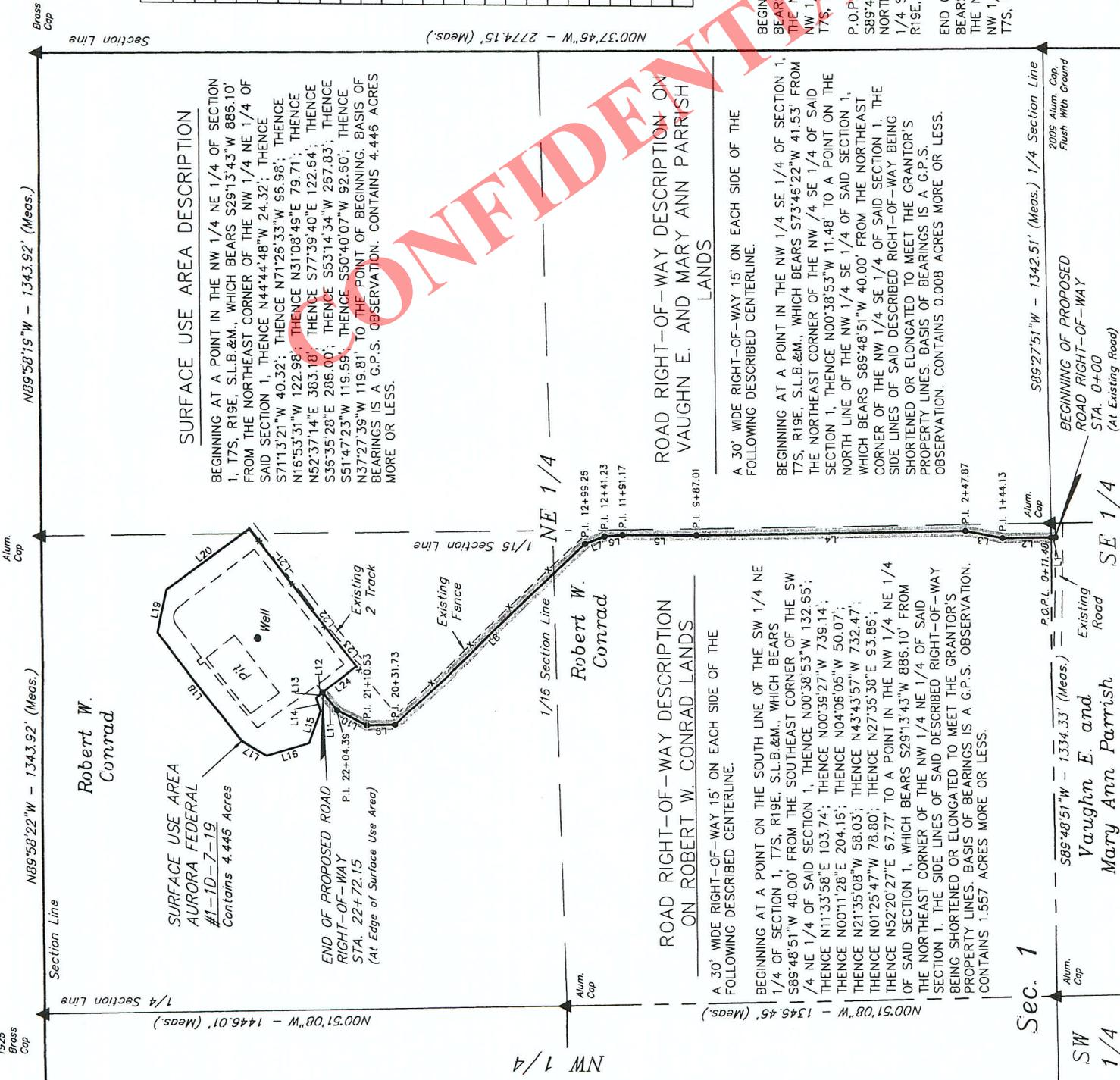
BEGINNING AT A POINT IN THE NW 1/4 NE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M., WHICH BEARS S29°13'43"W 886.10' FROM THE NORTHEAST CORNER OF THE NW 1/4 NE 1/4 OF SAID SECTION 1, THENCE N44°44'48"W 24.32'; THENCE S71°13'21"W 40.32'; THENCE N71°26'33"W 56.96'; THENCE N16°53'31"W 122.93'; THENCE N31°08'45"E 75.71'; THENCE N52°37'14"E 383.18'; THENCE S77°35'40"E 122.54'; THENCE S35°35'28"E 205.00'; THENCE S53°14'34"W 257.83'; THENCE S51°47'23"W 119.59'; THENCE S50°40'07"W 92.50'; THENCE N37°27'35"W 119.01' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.446 ACRES MORE OR LESS.

**ROAD RIGHT-OF-WAY DESCRIPTION ON VAUGHN E. AND MARY ANN PARRISH LANDS**

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

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 1, T7S, R19E, S.L.B.&M., WHICH BEARS S73°45'22"W 41.53' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 1, THENCE N00°38'53"W 11.48' TO A POINT ON THE NORTH LINE OF THE NW 1/4 SE 1/4 OF SAID SECTION 1, WHICH BEARS S89°48'51"W 40.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.008 ACRES MORE OR LESS.

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



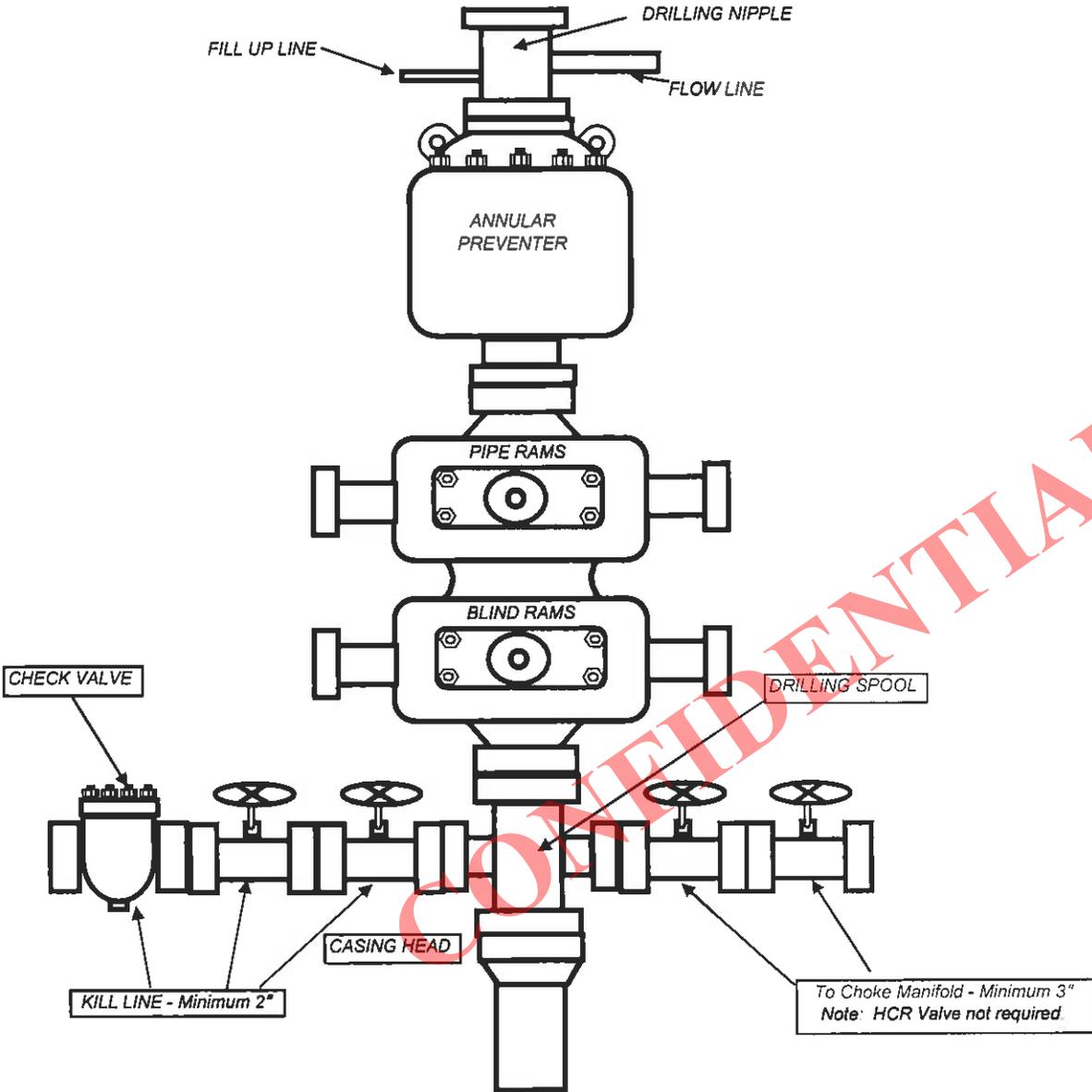
CONFIDENTIAL

1925 Brass Cap  
Section Line  
N09°58'19"W - 1343.92' (Meas.)  
Alum. Cap  
Section Line  
N89°58'22"W - 1343.92' (Meas.)  
Section Line  
N00°51'08"W - 1446.01' (Meas.)

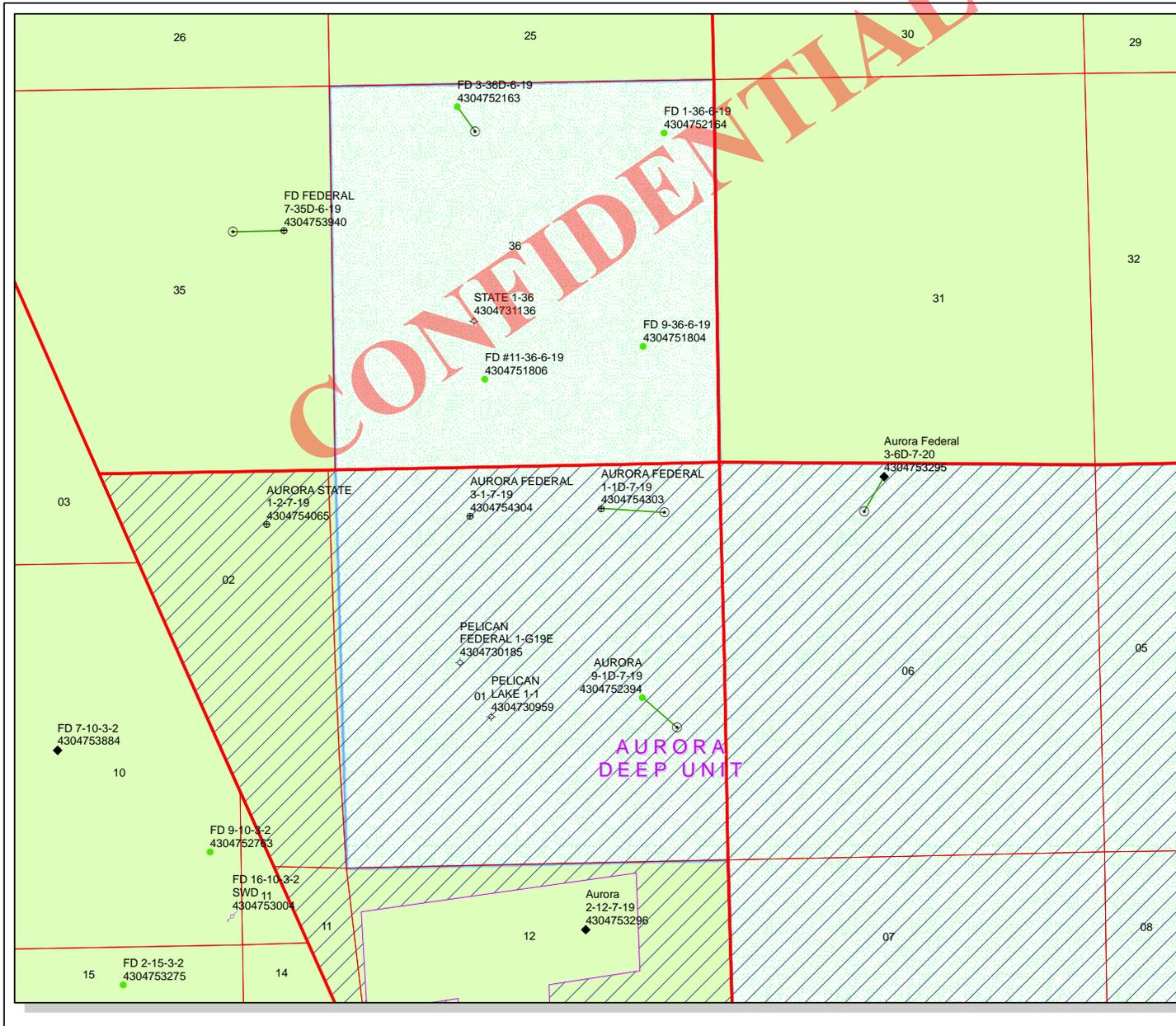
Section Line  
S09°27'51"W - 1342.51' (Meas.) 1/4 Section Line  
2005 Alum. Cap. Flush With Ground  
Section Line  
S09°48'51"W - 1334.33' (Meas.)  
Existing Road  
Section Line  
P.O.P.L. 0+11.48  
Section Line  
S09°27'51"W - 1342.51' (Meas.) 1/4 Section Line  
2005 Alum. Cap. Flush With Ground  
Section Line  
S09°48'51"W - 1334.33' (Meas.)  
Existing Road  
Section Line  
P.O.P.L. 0+11.48  
Section Line  
S09°27'51"W - 1342.51' (Meas.) 1/4 Section Line  
2005 Alum. Cap. Flush With Ground

# BILL BARRETT CORPORATION

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







API Number: 4304754303

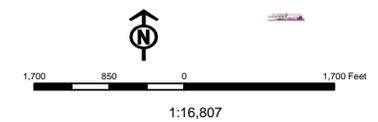
Well Name: AURORA FEDERAL 1-1D-7-19

Township: T07.0S Range: R19.0E Section: 01 Meridian: S

Operator: BILL BARRETT CORP

Map Prepared: 2/21/2014  
Map Produced by Diana Mason

Wells Query		Units	
Status	Symbol	STATUS	Symbol
APD - Approved Permit	◆	ACTIVE	▨
DRL - Spudded (Drilling Commenced)	⊙	EXPLORATORY	▨
GIW - Gas Injection	⚡	GAS STORAGE	▨
GS - Gas Storage	⚡	NF PP OIL	▨
LOC - New Location	⊕	NF SECONDARY	▨
OPS - Operation Suspended	⊖	PI OIL	▨
PA - Plugged Abandoned	⊗	PP GAS	▨
PGW - Producing Gas Well	⊕	PP GEOTHERML	▨
POW - Producing Oil Well	⊕	PP OIL	▨
SGW - Shut-in Gas Well	⊖	SECONDARY	▨
SOW - Shut-in Oil Well	⊖	TERMINATED	▨
TA - Temp. Abandoned	⊖		
TW - Test Well	⊙	Fields	
WDW - Water Disposal	⊖	STATUS	
WW - Water Injection Well	⊕	Unknown	▨
WSW - Water Supply Well	●	ABANDONED	▨
		ACTIVE	▨
		COMBINED	▨
		INACTIVE	▨
		STORAGE	▨
		TERMINATED	▨



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
440 West 200 South, Suite 500  
Salt Lake City, UT 84101

IN REPLY REFER TO:  
3160  
(UT-922)

February 24, 2014

Memorandum

To: Assistant Field Office Manager Minerals,  
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2014 Plan of Development Aurora (Deep) Unit,  
Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2014 within the Aurora (Deep) Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
Proposed PZ (GREEN RIVER-WASATCH)		
43-047-54303	AURORA FEDERAL 1-1D-7-19	Sec 01 T07S R19E 0596 FNL 1635 FEL BHL Sec 01 T07S R19E 0675 FNL 0765 FEL
43-047-54304	AURORA FEDERAL 3-1-7-19	Sec 01 T07S R19E 0665 FNL 1900 FWL BHL Sec 01 T07S R19E 0665 FNL 1900 FWL

Please be advised that effective November 11, 2013, the Aurora (Deep) Unit contracted to lands in or entitled to be in a participating area. The final participating area boundaries are still being determined. Our preliminary discussions with the unit operator indicate that the subject wells will not be in the contracted unit area.

This office has no objection to permitting the wells at this time.

**CONFIDENTIAL**



May 19, 2014

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 Location- Aurora Federal 1-1D-7-19  
**East Bluebell Area**  
Surface: 1635' FEL and 596' FNL, Sec. 1, 7S-19E SLM  
Bottom Hole: 765' FEL and 675' FNL, Sec. 1, 7S-19E 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 UTU-76488.
- BBC certifies that it is the owner of oil and gas in tracts within 460 feet from all points along the intended well bore and that all owners, now known, to the proposed directional drilling program, have been notified of BBC's intention to drill a directional well. BBC further certifies that it has obtained written consent from all owners in each tract within 460 feet of the intended well bore in which BBC is not an owner. The captioned well is subject to statewide citing.



Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8164.

Sincerely,

A handwritten signature in blue ink that reads 'Kevin T. Funk'. The signature is written in a cursive style with a clear, legible script.

Kevin T. Funk  
Land Technician II  
BILL BARRETT CORPORATION

**CONFIDENTIAL**





May 20, 2014

Ms. Nicole Bailey  
Crescent Point Energy Corporation  
555 17<sup>th</sup> Street, Suite 1800  
Denver, CO 80202

Re: Notification of Directional Drilling Program  
Aurora Federal 1-1D-7-19 Well  
Surface Location: 1635' FEL, 596' FNL, Sec 1-T7S-R19E  
Bottom Hole Location: 765' FEL, 675' FNL, Sec 1-T7S-R19E  
Uintah County, Utah

Dear Ms. Bailey:

Bill Barrett Corporation ("BBC") is filing an Application for Permit to Drill for the referenced well. A recent search of the Uintah County records indicated that you are an "owner" within 460 feet of all points along the proposed wellbore in Section 1, T7S-R19E. In accordance with Utah Oil & Gas Conservation Rule R649-3-11.1.1, we are hereby notifying you of BBC's intent to directionally drill the Aurora Federal 1-1D-7-19 well at the surface and bottom hole locations set forth above and depicted on the attached plat.

BBC will be drilling this well as a directional well in order to accommodate topographic features and to minimize surface disturbance. Please indicate your consent by signing and returning one copy of the enclosed letter to my attention

Should you have any questions or need further information, please contact me at 303-312-8164 or via email at [kfunk@billbarrettcorp.com](mailto:kfunk@billbarrettcorp.com).

Very truly yours,

A handwritten signature in blue ink that reads 'Kevin Funk'.

Kevin T. Funk  
Land Technician II  
BILL BARRETT CORPORATION

Consent is hereby given to BBC to directionally drill the Aurora Federal 1-1D-7-19 well as described above:

By:   
Date: 5/27/14



June 3, 2014

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

RE: Commingling Notice  
East Bluebell Area  
Aurora Federal 1-1D-7-19  
NENE, Section 1 T7S-R19E  
Uintah County, Utah

Dear Mr. Doucet,

Bill Barrett Corporation (BBC) has submitted Notices to commingle production from the Wasatch and Green River Formations in the subject well located in East Bluebell Area. BBC has notified all owners of oil and gas leases contiguous to the drilling unit.

Should you require additional information in this regards, please feel free to contact me at 303-312-8164. Your earliest attention to this matter is appreciated.

Sincerely,

A handwritten signature in black ink that reads 'Kevin T. Funk'.

Kevin T. Funk  
Land Technician II  
BILL BARRETT CORPORATION

Enclosures

RECEIVED: June 04, 2014



AFFIDAVIT OF NOTICE

My name is Kevin T. Funk. I am a Land Technician II 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 our East Bluebell Field:

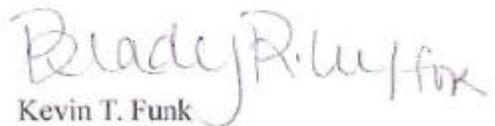
Aurora Federal 1-1D-7-19      NENE    Section 1    T7S-R19E

Bill Barrett Corporation has notified all owners in lands contiguous to drilling unit. The Lessees are listed below.

Lessees:  
Crescent Point Energy Corporation  
Robert Bayless Producer, LLC

Date: June 3, 2014

Affiant

  
Kevin T. Funk  
Land Technician II  
BILL BARRETT CORPORATION



June 4, 2014

Robert Bayless Producer, LLC  
Mr. Cranford Newell  
621 17<sup>th</sup> Street, Suite 2300  
Denver, CO 80293

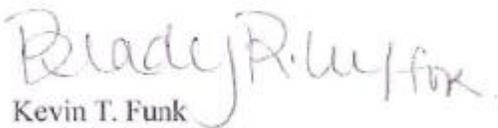
RE: Commingling Application  
Aurora Federal 1-1D-7-19  
Uintah County, UT

Dear Mr. Newell,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application 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 303-312-8164. Your earliest attention to this matter is appreciated.

Sincerely,

  
Kevin T. Funk  
Land Technician II  
BILL BARRETT CORPORATION

Enclosures



June 4, 2014

Crescent Point Energy Corporation  
Ms. Nicole Bailey  
555 17<sup>th</sup> Street, Suite 1800  
Denver, CO 80202

RE: Commingling Application  
Aurora Federal 1-1D-7-19  
Uintah County, UT

Dear Ms. Bailey,

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

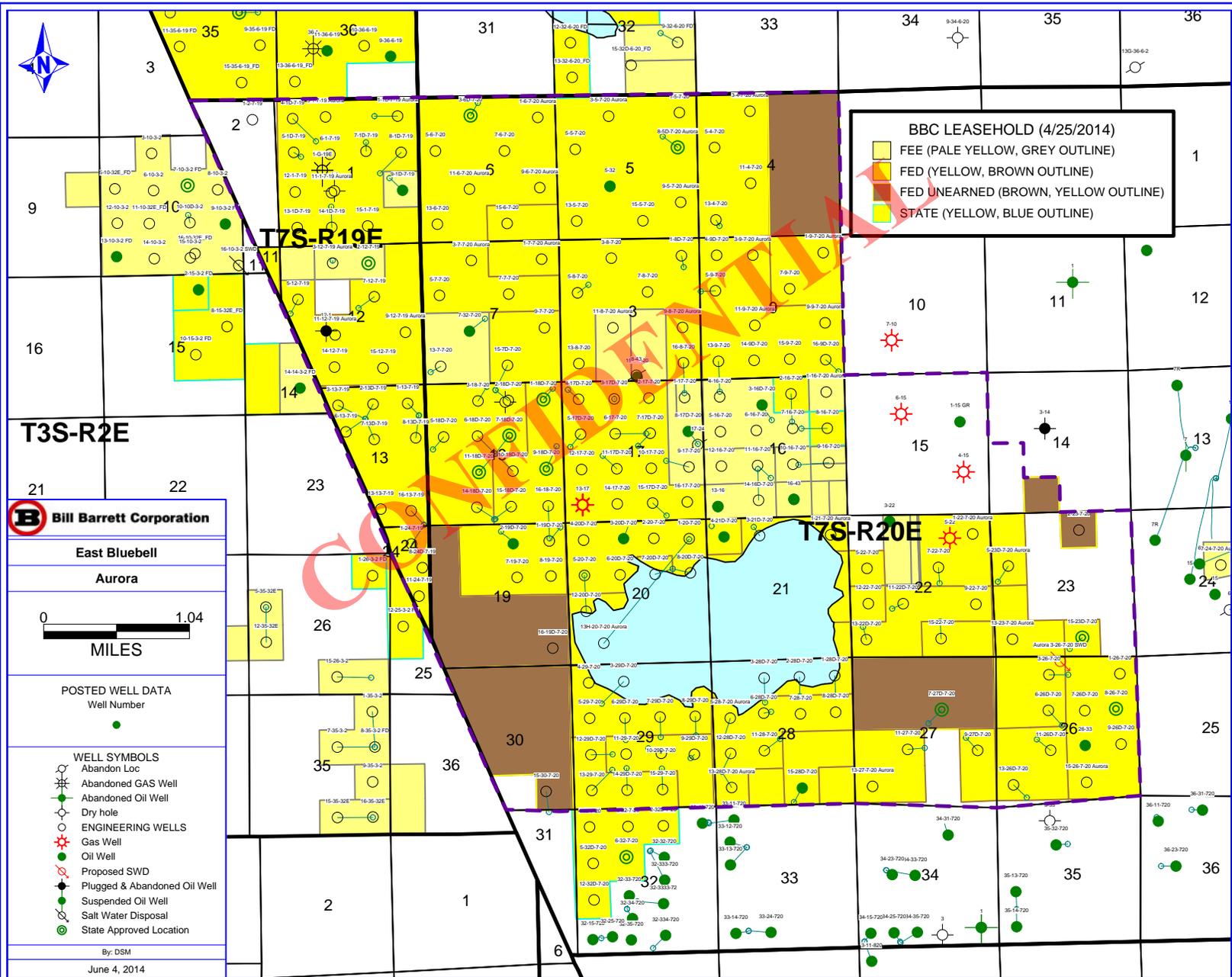
Should you require additional information in this regards, please feel free to contact me at 303-312-8164. Your earliest attention to this matter is appreciated.

Sincerely,

A handwritten signature in black ink that reads 'Kevin T. Funk'.

Kevin T. Funk  
Land Technician II  
BILL BARRETT CORPORATION

Enclosures



PETRA 6/4/2014 9:45:34 AM

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** BILL BARRETT CORP  
**Well Name** AURORA FEDERAL 1-1D-7-19  
**API Number** 43047543030000      **APD No** 9415    **Field/Unit** BRENNAN BOTTOM  
**Location: 1/4,1/4** NWNE    **Sec** 1    **Tw** 7.0S    **Rng** 19.0E    596 FNL 1635 FEL  
**GPS Coord (UTM)** 608213 4455814      **Surface Owner** ROBERT CONRAD

### Participants

Jim Burns (permit contractor), Zack Garner (BBC), Cody Rich (surveyor), Joe Via (EIS), Amy Ackman (archeologist), Nate Packer and Christine Cimiluca (BLM), Jennifer Hall (landman), Robert Conrad (surface owner)

### Regional/Local Setting & Topography

This proposed well location sits approximately midway between Highway 88 and Randlett, Ut about 3.5 miles north west of Pelican Lake. To the south there are scattered irrigated crop fields but the area is mostly sparsely vegetated high desert shrub land. There are scattered dry washes and small hills with some exposed sand stone ledge rock. This location sits atop a small knoll.

### Surface Use Plan

**Current Surface Use**  
Wildlfe Habitat

New Road Miles	Well Pad Width 300 Length 400	Src Const Material	Surface Formation
0.44		Offsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

High desert shrub land consisting of mainly small sage brush, shadscale and sparse grasses  
Antelope habitat

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

Sandy loam soil

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required?** N

**Berm Required? N****Erosion Sedimentation Control Required? N****Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N****Reserve Pit**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	High permeability	20
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		30    1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit as proposed is 200' x 100' x 10' deep and is placed in a cut stable location. Bill Barrett Corporation typically uses a 20 mil liner and this will adequate for the site.

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

Richard Powell  
**Evaluator**

3/11/2014  
**Date / Time**

**Application for Permit to Drill  
Statement of Basis  
Utah Division of Oil, Gas and Mining**

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9415	43047543030000	LOCKED	OW	P	No
<b>Operator</b>	BILL BARRETT CORP		<b>Surface Owner-APD</b>	ROBERT CONRAD	
<b>Well Name</b>	AURORA FEDERAL 1-1D-7-19		<b>Unit</b>	AURORA (DEEP)	
<b>Field</b>	BRENNAN BOTTOM		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWNE 1 7S 19E S 596 FNL 1635 FEL GPS Coord (UTM) 608212E 4455814N				

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Federal Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
APD Evaluator

3/17/2014  
Date / Time

**Surface Statement of Basis**

This proposed well is mixed estate with federal minerals and fee surface owned by Robert Conrad. Mr. Conrad attended this presite inspection and stated that he has no objections to drilling at this site and that Bill Barrett Corporation has been cooperative with him in the selection of this and other proposed well sites on the Conrad land. The reserve pit as proposed will be in a cut and stable location. According to BBC representative Zack Garner a 16 mil minimum liner and felt sub liner will be used. This liner program will be adequate for this site. BLM representative Christine Cimiluca was also in attendance and requested that steps be taken to protect the top soil pile from erosion. Zack Garner stated that BBC could track walk and seed the top soil pile to establish vegetation.

The location sits atop a knol and is quite flat and appears to be a good site for this location.

Richard Powell  
Onsite Evaluator

3/11/2014  
Date / Time

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

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/20/2014

API NO. ASSIGNED: 43047543030000

WELL NAME: AURORA FEDERAL 1-1D-7-19

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NWNE 01 070S 190E

Permit Tech Review: 

SURFACE: 0596 FNL 1635 FEL

Engineering Review: 

BOTTOM: 0675 FNL 0765 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.24579

LONGITUDE: -109.72773

UTM SURF EASTINGS: 608212.00

NORTHINGS: 4455814.00

FIELD NAME: BRENNAN BOTTOM

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU76488

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

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000040
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 49-1645
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit: AURORA (DEEP)
- 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: 3 - Commingle - dducet  
4 - Federal Approval - dmason  
5 - Statement of Basis - bhll  
15 - Directional - dmason  
23 - Spacing - dmason



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. HAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** AURORA FEDERAL 1-1D-7-19  
**API Well Number:** 43047543030000  
**Lease Number:** UTU76488  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 6/26/2014

**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 GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**Commingle:**

Administrative approval for commingling the production from the Wasatch formation and the Green River formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

**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:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

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).

**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 at 801-538-5284

(please leave a voicemail message if not available)

OR

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

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

**Reporting Requirements:**

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

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

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

RECEIVED

RECEIVED  
JUL 07 2014  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 24 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM Vernal UT

CONFIDENTIAL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU76488
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No.
Contact: BRADY RILEY E-Mail: briley@billbarrettcorp.com		8. Lease Name and Well No. AURORA FEDERAL 1-1D-7-19
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8115	9. API Well No. 4304754303
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface Lot 2 596FNL 1635FEL At proposed prod. zone Lot 1 675FNL 765FEL		10. Field and Pool, or Exploratory WILDCAT BRENNAN BOTTOM
14. Distance in miles and direction from nearest town or post office* 26.7 TO VERNAL, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 1 T7S R19E Mer SLB SME: FEE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 675 FEET TO NEAREST LEASE LINE	16. No. of Acres in Lease 1493.94	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well 80.00	13. State UT	18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2398' COMPLETED WELL; 712 FEET TO PROPOSED WELL
19. Proposed Depth 9157 TVD	20. BLM/BIA Bond No. on file WYB000040	21. Elevations (Show whether DF, KB, RT, GL, etc.) 4924 GL
22. Approximate date work will start 09/01/2014	23. Estimated duration 60 D&C	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) BRADY RILEY Ph: 303-312-8115	Date 03/24/2014
Title PERMIT ANALYST		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date JUL 02 2014
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #239704 verified by the BLM Well Information System  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by ROBIN R. HANSEN on 03/24/2014 (14RRH7081)

NOTICE OF APPROVAL

UDOGM

\*\* BLM REVISED \*\*



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: BILL BARRETT CORPORATION  
Well No: AURORA FEDERAL 5-1D-7-19  
API No: 43-047-54327

Location: SWNW, Sec. 1, T7S, R19E  
Lease No: UTU-76488  
Agreement:

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- Location Construction  
(Notify Environmental Scientist) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion  
(Notify Environmental Scientist) - Prior to moving on the drilling rig.
- Spud Notice  
(Notify Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing  
(Notify Supv. Petroleum Tech.) - Twenty-Four (24) hours prior to running casing and cementing all casing strings to:  
[blm\\_ut\\_vn\\_opreport@blm.gov](mailto:blm_ut_vn_opreport@blm.gov)
- BOP & Related Equipment Tests  
(Notify Supv. Petroleum Tech.) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice  
(Notify Petroleum Engineer) - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**CONDITIONS OF APPROVAL:**

- In the case of any deviation from the submitted APD(s), which includes BBC's surface use plan and any applicable ROW applications, the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.

**Construction**

- The private landowner (Robert Conrad) will be notified by BBC prior to commencement of construction of the well pad and related infrastructure.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- Roads shall be crown and ditched to divert any runoff from pooling on the road surface itself, this also aids in lessening erosion on the road and disturbed area. Wing ditches can be installed to also aid in controlling runoff from affecting the proposed road. These should be spaced to adequately catch any runoff along the ditches and aid in diverted water to the surrounding vegetation.
- The operator must conduct operations to minimize adverse effects to surface and subsurface resources, prevent unnecessary surface disturbance, and conform to currently available technologies and practices.
- If cattleguards or gates are required along the access roads construction will be to BLM/USFS Gold Book standards or better.

- If culverts are required along the proposed access road(s), they will be a minimum of 18 inches in diameter and installed to meet BLM/USFS Gold Book standards.
- A minimum 16 mil liner is required for the reserve pits.
- No construction or soil disturbing activities will occur during times of saturated soils (usually spring runoff and fall rains).

### **Reclamation and Vegetation**

- Noxious and invasive weeds will be treated, monitored, and controlled along both the access road and pipeline routes, and on the well pad.
- Minimal vegetation removal will occur around the well pad to lessen the visual impact and to aid in re-vegetation efforts in the future.
- Operator will ensure topsoil stability on location and use topsoil for interim reclamation as soon as possible to maintain viability of topsoil resource. Topsoil piles will be "track-walked," crusted and seeded to prevent topsoil erosion.
- Aurora Federal 5-1D-7-19 location: Topsoil piles will be moved from the north side of the pad near corners 1, 2 and 9 to the area between corners C and 6 in order to avoid potential topsoil erosion.
- Aurora Federal 7-1D-7-19 location: Topsoil piles will be moved from the area near Corner 1 to Corner 4 behind the spoils pile in order to avoid potential topsoil erosion.
- Whenever feasible, tanks and other equipment needed for production activities should be located toward the entrance (front) of the well pad in order to maximize interim reclamation.
- Site reclamation would be accomplished for portions of the well pad not needed for production, within 6 months of completion, weather permitting. This also includes any roads, and pipeline areas that have been disturbed as well. Roads and pipeline disturbances can undergo reclamation immediately after the pipeline is installed and after the roads are built. Please contact the landowner or the BLM for possible seed mixes to use in the project area. Seeds should be planted in August and prior to ground freeze. Non-natives can be used; however lbs/ac must be kept low to minimize the chance of a monoculture.

### **Visual Resources**

- All permanent (on site for 6 months or longer) structures constructed or installed (including pumping units) will be painted Covert Green in order to blend with the surrounding vegetation. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) are excluded.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- A formation integrity test shall be performed at the surface casing shoe.
- To effectively protect useable water, cement for the long string is required to be brought 200 feet above the surface casing shoe.
- A bowl diverter system, which is connected and discharges to a panic or choke blooie line, shall be installed while drilling of the surface hole section

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:**

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU76488
<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: AURORA (DEEP)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA FEDERAL 1-1D-7-19
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047543030000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0596 FNL 1635 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 01 Township: 07.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM  COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/5/2014  <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 checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

ATTACHED PLEASE FIND THE REVISED DRILLING PLAN FOR THIS WELL, CHANGING THE SURFACE CASING SET DEPTH AND SIZE TO 8-5/8 INCH AT 1200 FEET, ALONG WITH THE PRODUCTION CASING TYPE (I80) AND THE PRODUCTION TAIL TOP OF CEMENT. THESE CHANGES ALSO ADJUSTED THE AMOUNT OF CEMENT USED.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
 August 14, 2014  
 Date: \_\_\_\_\_  
 By: Dark Quist

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 8/5/2014

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

**Aurora Federal 1-1D-7-19**

NWNE, Lot 2, 596' FNL and 1635' FEL, Section 1, T7S-R19E, SLB & M (surface hole)

NENE, 675' FNL and 765' FEL, Section 1, T7S-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><u>Formation</u></b>	<b><u>Depth – MD</u></b>	<b><u>Depth – TVD</u></b>
Green River	4,845'	4,750'
Mahogany	5,910'	5,801'
Lower Green River*	7,045'	6,936'
Douglas Creek	7,167'	7,058'
Black Shale	7,772'	7,663'
Castle Peak	7,927'	7,818'
Uteland Butte	8,221'	8,112'
Wasatch*	8,765'	8,657'
TD	9,266'	9,157'

\*PROSPECTIVE PAY

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

Base of Useable Water = 1523'

**3. BOP and Pressure Containment Data**

<b><u>Depth Intervals</u></b>	<b><u>BOP Equipment</u></b>
0 – 1200'	No pressure control required (may pre-set 8-5/8" with smaller rig)*
1200' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

\*See Appendix A

**4. Casing Program**

<b><u>Hole Size</u></b>	<b><u>SETTING DEPTH</u></b>		<b><u>Casing Size</u></b>	<b><u>Casing Weight</u></b>	<b><u>Casing Grade</u></b>	<b><u>Thread</u></b>	<b><u>Condition</u></b>
	<b><u>(FROM)</u></b>	<b><u>(TO)</u></b>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1200'	8 5/8"	24#	J-55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110/I-80	LT&C	New

Bill Barrett Corporation  
 Drilling Program  
 Aurora Federal 1-1D-7-19  
 Uintah County, Utah

### 5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing	Lead: 170 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: 270 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 @ 700'
5 1/2" Production Casing	Lead: 590 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft <sup>3</sup> /sx). TOC @ 700' Tail: 560 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 @ 5933'

### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 1200'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1200' – 5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 56	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

### 7. Testing, Logging and Core Programs

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

### 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4524 psi\* and maximum anticipated surface pressure equals 2509 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

Bill Barrett Corporation  
Drilling Program  
Aurora Federal 1-1D-7-19  
Uintah County, Utah

**9. Auxiliary Equipment**

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

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

Water for the drilling and completion will be from:

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

**11. Drilling Schedule**

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

**12. Appendix A**

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

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



# Bill Barrett Corporation

## AURORA CEMENT VOLUMES

**Well Name:** Aurora Federal 1-1D-7-19

### Surface Hole Data:

Total Depth:	1,200'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	8.625"

### Calculated Data:

Lead Volume:	505.6	ft <sup>3</sup>
Lead Fill:	700'	
Tail Volume:	361.1	ft <sup>3</sup>
Tail Fill:	500'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	170
--------------	-----

Tail Yield:	1.36	ft <sup>3</sup> /sk
% Excess:	75%	
Top of Tail:	700'	

# SK's Tail:	270
--------------	-----

### Production Hole Data:

Total Depth:	8,957'
Top of Cement:	700'
Top of Tail:	5,933'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1359.9	ft <sup>3</sup>
Lead Fill:	5,233'	
Tail Volume:	786.0	ft <sup>3</sup>
Tail Fill:	3,024'	

### Cement Data:

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

### Calculated # of Sacks:

# SK's Lead:	590
# SK's Tail:	560

<b>Aurora Federal 1-1D-7-19 Proposed Cementing Program</b>
--

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (700' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft <sup>3</sup> /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 700'
	Volume: 90.04 bbl
	<b>Proposed Sacks: 170 sks</b>
<b>Tail Cement - (TD - 700')</b>	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft <sup>3</sup> /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 500'
	Volume: 64.32 bbl
	<b>Proposed Sacks: 270 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (5933' - 700')</b>	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft <sup>3</sup> /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 5,233'
	Volume: 242.20 bbl
	<b>Proposed Sacks: 590 sks</b>
<b>Tail Cement - (8957' - 5933')</b>	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft <sup>3</sup> /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 5,933'
	Calculated Fill: 3,024'
	Volume: 139.97 bbl
	<b>Proposed Sacks: 560 sks</b>

**PRESSURE CONTROL EQUIPMENT** – Schematic Attached

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

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

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

**C. Testing Procedure:**

Annular Preventer

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

At a minimum the above pressure test will be performed:

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

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

Blow-Out Preventer

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

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

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

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

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

**D. Choke Manifold Equipment:**

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

**E. Accumulator:**

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

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

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

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

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

**F. Miscellaneous Information:**

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU76488
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</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>7. UNIT or CA AGREEMENT NAME:</b> AURORA (DEEP)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047543030000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRENNAN BOTTOM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/29/2014  <input type="checkbox"/> DRILLING REPORT Report Date:	<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	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well was spud on 9/29/2014 at 8:00 am by Triple A Drilling; Rig #TA 4037, Type Soilmec SR/30. Continuous drilling is planned to commence on 10/20/2014.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 30, 2014</b>		
<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/29/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU76488	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</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>7. UNIT or CA AGREEMENT NAME:</b> AURORA (DEEP)	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047543030000	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRENNAN BOTTOM	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2014	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
No monthly drilling to report, well spud on 9/25/2014			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 03, 2014</b>			
<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant	
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/2/2014	

## BLM - Vernal Field Office - Notification Form

\_Submitted By Ricky Kuhr Phone Number 303-353-5374Well Name/Number Aurora Federal 1-1D-7-19Qtr/Qtr NW/NE Section 1 Township 7S Range 19E

Lease Serial Number \_\_\_\_\_

API Number 43-047-54303

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.Date/Time \_\_\_\_\_ AM  PM Casing – Please report time casing run starts, not cementing times.

- Surface Casing  
 Intermediate Casing  
 Production Casing  
 Liner  
 Other

Date/Time 11/5/2014 12:00 AM  PM BOPE

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

Date/Time 11/5/2014 6:00 AM  PM Remarks Running 1200' of 8 5/8", 24#, J-55, STC csg.

-

<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> UTU76488
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> AURORA (DEEP)
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047543030000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> BRENNAN BOTTOM
		<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: 11/30/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<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. Attached is the November 2014 Drilling Activity for this well.		
		<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          December 08, 2014</b>
<b>NAME (PLEASE PRINT)</b> Christina Hirtler	<b>PHONE NUMBER</b> 303 312-8597	<b>TITLE</b> Administrative Assistant
<b>SIGNATURE</b> N/A		<b>DATE</b> 12/3/2014


**Aurora Federal 01-1D-7-19 11/4/2014 06:00 - 11/5/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	17.00	23:00	1	RIGUP & TEARDOWN	MOVE RIG FROM AS 6-32-7-20, RIG 100% ON LOCATION @ 3:00 PM 9.5 MILE MOVE
23:00	1.50	00:30	1	RIGUP & TEARDOWN	RIG UP DIVERTER FLOW LINE PREP RIG FLOOR FOR DRILLING SURFACE RIG ON DAY WORK @ 23:00
00:30	1.00	01:30	21	OPEN	LAY OUT B.H.A AND STRAP
01:30	1.00	02:30	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS, REAMERS, SHOCK SUB,
02:30	3.50	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 92'-272' (180') 52' FPH AVG GPM= 600- TOPDRIVE RPM=40 MOTOR RPM=102 TOTAL RPM=142 WT ON BIT=10K OFF BOTTOM PRESSURE=769 PSI DIFF PRESS=150-300PSI TQ=4.5K

**Aurora Federal 01-1D-7-19 11/5/2014 06:00 - 11/6/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,740.0	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	STEERABLE DRILLING 12 1/4 SURFACE F/ 272'-1236 (964') 97' FPH AVG GPM= 600- TOPDRIVE RPM=40 MOTOR RPM=102 TOTAL RPM=142 WT ON BIT=20K OFF BOTTOM PRESSURE=1020 PSI DIFF PRESS=150-300PSI TQ=4.5K
15:30	0.50	16:00	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND AND BOTTOMS UP
16:00	1.00	17:00	6	TRIPS	SHORT TRIP TO 8"
17:00	0.50	17:30	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP
17:30	1.00	18:30	6	TRIPS	LAY DOWN DRILL PIPE FOR 8 5/8 CASING RUN
18:30	1.00	19:30	6	TRIPS	LAY DOWN DIRECTIONAL TOOLS, SHOCK SUB, REAMERS
19:30	1.00	20:30	21	OPEN	PREP FLOOR & TOP DRIVE FOR 8 5/8 CASING RUN
20:30	3.00	23:30	12	RUN CASING & CEMENT	RUN 8 5/8 24# J55 ST&C CASING AS FOLLOWS 1 SHOE 1 JNT 1 FLOAT 27 JNTS BLM AND UDOGM NOTICE SENT OUT 11/4/14 @ 6:56 AM
23:30	1.00	00:30	5	COND MUD & CIRC	CIRCULATE WHILE RIGGING UP HALLIBURTION
00:30	4.00	04:30	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 20 BBLS FRESH WATER 40 BBLS SUPER FLUSH @ 10 PPG 20 BBLS WATER 90 BBLS LEAD CEMENT 185 SKS @ 11.5 PPG YP 3.16 GALS/SK 19.43 67 BBLS TAIL CEMENT 275 SKS @ 14.8 PPG YP 1.37 GAL/SK 6.62 SHUT DOWN WASH UP LINES DROP PLUG DISPLACE WITH 76 BBLS FRESH WATER FINAL LIFT PRESURE 418 PSI BUMP THE PLUG @ 1032 PSI FLOATS HELD 15 BBLS OF CEMENT BACK TO SURFACE
04:30	1.50	06:00	12	RUN CASING & CEMENT	RIG DOWN CEMENT HEAD W.O.C RIG UP 1" 100' PUMP 12 BBLS 60 SXS 15.8 1.15 YLD. 5.0 G/SK TOP OUT CEMENT

**Aurora Federal 01-1D-7-19 11/6/2014 06:00 - 11/7/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	13	WAIT ON CEMENT	WAIT ON CEMENT TO SET UP
08:30	1.50	10:00	21	OPEN	LIFT CONDUCTOR CUT 8 5/8 CASING LAY DOWN CONDUCTOR WELD ON 11" 5M X 8-5/8" SOW DOUBLE VALVED CASINGHEAD TEST TO 1000 PSI
10:00	4.00	14:00	14	NIPPLE UP B.O.P	NIPPLE UP B.O.Ps
14:00	4.50	18:30	15	TEST B.O.P	HOLD S/M RIG UP TEST B.O.PS WITH B&C QUICK TEST B.O.Ps TEST 5000 HIGH F/10 MINS F.O.S.V AND DART VALVE UPPER KELLY VALVE PIPE RAMS INSIDE VALVES HCR, KILL LINE CHOKE LINE, CHECK VALVE INSIDE MANIFOLD VALVES BLIND RAMS SUPER CHOKE TEST 2500 PSI HIGH ANNULAR TEST SURFACE CASING TO 1500 PSI FOR 30 MINS BLM & UDOGM NOTICE WAS SENT OUT 11/4/2014 6:35 AM
18:30	1.00	19:30	21	OPEN	INSTALL WARE BUSHING BLOW DOWN CHOKE
19:30	1.00	20:30	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS
20:30	2.00	22:30	6	TRIPS	TRIP IN THE HOLE
22:30	1.50	00:00	2	DRILL ACTUAL	DRILL OUT CEMENT, FLOAT, SHOE & 20' NEW FORMATION T/ 1256'
00:00	0.50	00:30	5	COND MUD & CIRC	CIRCULATE SPOT LCM PILL PERFORM EMW TEST @ 136 PSI 10.5 EMW

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:30	5.00	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 1256'-2509 (1253') 227' FPH AVG GPM=561 TOPDRIVE RPM=60 MOTOR RPM=96 TOTAL RPM=156 WT ON BIT=20K OFF BOTTOM PRESSURE=1500 PSI DIFF PRESS=150-400 PSI (MORNING TOUR B.O.P DRILL 1 MIN)
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE ( FUNCTION TEST PIPE RAMS)

**Aurora Federal 01-1D-7-19 11/7/2014 06:00 - 11/8/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 2509'-4133 (1624') 154' FPH AVG GPM=561 TOPDRIVE RPM=60 MOTOR RPM=96 TOTAL RPM=156 WT ON BIT=20K OFF BOTTOM PRESSURE=1820 PSI DIFF PRESS=150-400 PSI (DAYLIGHTS B.O.P DRILL 1 MIN 13 SEC) (started strata flex fine sweeps @ 3800')
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE (FUNCTION TEST ANNULAR)
17:00	12.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 4133-4707' (575') 43' FPH AVG GPM=488 TOPDRIVE RPM=50 MOTOR RPM=82 TOTAL RPM=132 WT ON BIT=23K OFF BOTTOM PRESSURE=1650 PSI DIFF PRESS=150-400 PSI FINAL ROP @ 8-12 FPH
05:30	0.50	06:00	5	COND MUD & CIRC	CIRCUALTE SWEEP FOR TRIP

**Aurora Federal 01-1D-7-19 11/8/2014 06:00 - 11/9/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	FINISH CIRCULATEING SWEEP AROUND
07:00	4.00	11:00	6	TRIPS	P.O.O.H FOR BIT HOLE TAKING CORRECT DIPLACEMENT
11:00	0.50	11:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS AND REAMERS BREAK BIT (BIT PICTURE IN ATTACHMENTS)
11:30	0.50	12:00	7	LUBRICATE RIG	RIG SERVICE (CLEAN OUT ROT HEAD DUE TO RUBBER GETTING STUCK) FUNCTION TEST BLIND RAMS
12:00	1.00	13:00	20	DIRECTIONAL WORK	M/U NEW BIT PICK UP DIRECTIONAL TOOLS RE SCRIBE MM AND MWD
13:00	2.50	15:30	6	TRIPS	T.I.H HOLE WITH CORRECT DISPLACEMENT
15:30	0.50	16:00	3	REAMING	WASH AND REAM LAST 60'
16:00	13.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 4707'-5451' (744') 56' FPH AVG GPM=488 TOPDRIVE RPM=50 MOTOR RPM=82 TOTAL RPM=132 WT ON BIT=21K OFF BOTTOM PRESSURE=1801 PSI DIFF PRESS=150-400 PSI (SLIDE 158' 4 HOURS 41 FPH AVG)
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE FUNCTION TEST PIPE RAMS

**Aurora Federal 01-1D-7-19 11/9/2014 06:00 - 11/10/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 5451'-6053' (602') 54' FPH AVG GPM=488 TOPDRIVE RPM=50 MOTOR RPM=82 TOTAL RPM=132 WT ON BIT=21K OFF BOTTOM PRESSURE=1801 PSI DIFF PRESS=150-400 PSI
17:00	0.50	17:30	7	LUBRICATE RIG	RIG SERVICE (FUNCTION TEST PIPE RAMS)
17:30	12.00	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 6053'-6865' (812') 67' FPH AVG GPM=488 TOPDRIVE RPM=50 MOTOR RPM=82 TOTAL RPM=132 WT ON BIT=21K OFF BOTTOM PRESSURE=1801 PSI DIFF PRESS=150-400 PSI
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**Aurora Federal 01-1D-7-19 11/10/2014 06:00 - 11/11/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 6865'-7720' (855') 78' FPH AVG GPM=488 TOPDRIVE RPM=50 MOTOR RPM=82 TOTAL RPM=132 WT ON BIT=21K OFF BOTTOM PRESSURE=181912 PSI DIFF PRESS=150-400 PSI

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
17:00	0.50	17:30	7	LUBRICATE RIG	RIG SERVICE
17:30	9.50	03:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 7720'-8193' (473') 44' FPH AVG GPM=488 TOPDRIVE RPM=50 MOTOR RPM=82 TOTAL RPM=132 WT ON BIT=21K OFF BOTTOM PRESSURE=181912 PSI DIFF PRESS=150-400 PSI (FINAL ROP 9.2 FPH)
03:00	1.00	04:00	5	COND MUD & CIRC	CIRCUALTE SWEEP AROUND
04:00	2.00	06:00	6	TRIPS	TRIP OUT OF HOLE FOR MM

**Aurora Federal 01-1D-7-19 11/11/2014 06:00 - 11/12/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	6	TRIPS	TRIP OUT OF THE HOLE TAKING CORRECT DISPLACEMENT
10:30	2.00	12:30	20	DIRECTIONAL WORK	CHANGE OUT BIT AND MM RE SCRIBE DIRECTIONAL TOOLS (BIT PICTURE IN ATTACHMENTS)
12:30	1.00	13:30	6	TRIPS	TRIP IN B.H.A
13:30	1.00	14:30	9	CUT OFF DRILL LINE	CUT AND SLIP DRILL LINE
14:30	0.50	15:00	7	LUBRICATE RIG	RIG SERVICE
15:00	4.50	19:30	6	TRIPS	TRIP IN HOLE WITH CORRECT DISPLACEMENT
19:30	0.50	20:00	8	REPAIR RIG	RIG REPAIR REPLACE HYRULIC PUMP
20:00	9.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 8193'-8531' (338') 37' FPH AVG GPM=466 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=129 WT ON BIT=24K OFF BOTTOM PRESSURE=2130 PSI DIFF PRESS=150-400 PSI
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**Aurora Federal 01-1D-7-19 11/12/2014 06:00 - 11/13/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.50	12:30	2	DRILL ACTUAL	Steerable drlg 8531' - 8740'. Wob 20k, rpm 50/77, Spp 2250 psi, dp 200 psi, rop 31 fph. TD well @ 8740'.
12:30	1.50	14:00	5	COND MUD & CIRC	Sweep hole, C&C f/ST.
14:00	2.00	16:00	6	TRIPS	ST to 7700'. Tight spots @ 7921', 7791'.
16:00	2.50	18:30	5	COND MUD & CIRC	Sweep hole, C&C f/Toh.
18:30	7.50	02:00	6	TRIPS	Toh f/logs. LD dir tools.
02:00	4.00	06:00	6	TRIPS	Tih w/DP open-ended.

**Aurora Federal 01-1D-7-19 11/13/2014 06:00 - 11/14/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	6	TRIPS	Finish tih.
10:00	3.00	13:00	5	COND MUD & CIRC	Sweep hole, C&C f/logs.
13:00	2.50	15:30	6	TRIPS	Toh to 5900'.
15:30	8.00	23:30	11	WIRELINE LOGS	HSM. Ran quad combo; Cnt, Dual lateralog, photo density, gamma to surface through DP set @ 5850'.
23:30	3.50	03:00	6	TRIPS	Tih. X/O saver sub.
03:00	2.00	05:00	5	COND MUD & CIRC	C&C f/cement, spot 100 bbl Strata pill w/15 ppb Flex med, 15 ppb Vanguard f/6700' - 4700'.
05:00	1.00	06:00	6	TRIPS	Blow kelly down, toh.

**Aurora Federal 01-1D-7-19 11/14/2014 06:00 - 11/15/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	COMPLETION	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	6	TRIPS	Toh.
12:00	1.50	13:30	21	OPEN	Clean up floor f/csg. Pull wear bushing.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:30	3.50	17:00	12	RUN CASING & CEMENT	RU and run 5 1/2", 17#, I-80, LTC csg as follows: fit shoe, 2 jts csg, fit collar, 17 jts csg, MJ @ 7875', 16 jts csg, MJ @ 7156', 164 jts csg (199 jts total). Fill pipe, establish circ every 1000'.
17:00	1.00	18:00	8	REPAIR RIG	Replace boom cylinder.
18:00	3.00	21:00	12	RUN CASING & CEMENT	Continue running csg.
21:00	1.50	22:30	8	REPAIR RIG	Replace bumper sub and spear.
22:30	5.50	04:00	12	RUN CASING & CEMENT	Finish running csg. Tag bottom @ 8740'.
04:00	2.00	06:00	5	COND MUD & CIRC	Rot & reciprocate while circ.

**Aurora Federal 01-1D-7-19 11/15/2014 06:00 - 11/15/2014 18:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,740.0	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	5	COND MUD & CIRC	C&C f/cmt, pump 40 bbl Strata pill w/20 ppb Strata Vanguard, 20 ppb Strata Flex fine ahead of cmt spacers.
07:00	5.00	12:00	12	RUN CASING & CEMENT	HSM. Cement prod csg as follows: Test lines to 5000 psi. Pump 30 bbl Tuned spacer @ 10 ppg, 10 bbls H2O spacer, 30 bbl super flush @ 10 ppg, 10 bbl H2O spacer. Mix and pump 495 sx (206 bbls) Tuned Light lead @ 11 ppg, 2.34 yld, 10.1 gps h2o. Tail in with 640 sx (165 bbls) Expandacem @ 13.5 ppg, 1.45 yld, 6.87 gps h2o. Wash up to pit, drop plug, displace with 201 bbls Cla-web/Aldicide @ 8.34 ppg. Max pressure 1910 psi, bump plug to 2450 psi. Bled back 1.75 bbls, floats held. Full returns, slowed rate to 2 bpm to bump plug. Got 50 bbls cmt back to surface. Got wet samples @ start of lead, 25 bbls into cmt returns, 45 bbls into cmt returns. R/D HES. BLM & UDOGM notified of csg & cmt job 11-14-14 @ 14:00.
12:00	1.00	13:00	21	OPEN	Set packoff & test.
13:00	5.00	18:00	21	OPEN	NDBOP, clean pits. Rig released @ 18:00. Prepare for 1.5 mile rig move to Aurora Fed 3-1-7-19.

**Aurora Federal 01-1D-7-19 11/17/2014 06:00 - 11/18/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,740.0	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	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

**Aurora Federal 01-1D-7-19 11/19/2014 06:00 - 11/20/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	LOGG	Logging	MIRU CUTTERS. HSM. RIH W/ GR/JB TO TAG FILL AT 8577' CORRELATED TD. DRILLING SHOWING FC @ 8644' WITH (67') OF FILL. RUN CBL LOG. GOOD CMT FROM TD-6680' GOOD/OK FROM 6680'- 5500' FAIR CMT FROM 5500'-3300'. FAIR/RATTY SPOTS CMT 3300'-800' ETOC TOP OF CMT AT 800'. MARKER JTS AT 7139'-7163' & 7859'-7883'. RD CUTTERS. CBL RUN WITH OUT PSI. LOCK & SECURE WELL. BATTERY UNDER CONSTRUCTION.
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL

CONFIDENTIAL

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form  
*BILL BARRETT CORP*

Submitted By Pat Clark Phone Number 303-353-5374

Well Name/Number Aurora Federal 1-1D-7-19

Qtr/Qtr NW/NE Section 1 Township 7S Range 19E

Lease Serial Number UTU 76488

API Number 43-047-54303

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

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

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

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

Date/Time 11/14/2014 12:00 AM  PM

BOPE

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

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

Remarks Running 8733' of 5 1/2", 17#, I-80, LTC csg.

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<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> UTU76488
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> AURORA (DEEP)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047543030000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> BRENNAN BOTTOM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/11/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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 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 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;"> <b>THIS WELL HAD FIRST PRODUCTION ON 12/11/2014 AND FIRST GAS SALES ON 12/12/2014.</b> </p> <div style="text-align: right; margin-top: 20px;"> <p> <b>Accepted by the              Utah Division of              Oil, Gas and Mining</b>  <b>FOR RECORD ONLY</b>              December 17, 2014           </p> </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> 12/15/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU76488
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> AURORA (DEEP)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047543030000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> BRENNAN BOTTOM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S 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: 12/31/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the December 2014 Drilling Activity for this well.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          January 07, 2015</b>		
<b>NAME (PLEASE PRINT)</b>	<b>PHONE NUMBER</b>	<b>TITLE</b>
Christina Hirtler	303 312-8597	Administrative Assistant
<b>SIGNATURE</b>	<b>DATE</b>	
N/A	1/5/2015	

**Aurora Federal 01-1D-7-19 12/5/2014 06:00 - 12/6/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	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	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI WITH METHANOL, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL. FILLING FRAC LINE. SET LEL TRAILER. SET AND TEST DEADMEN.

**Aurora Federal 01-1D-7-19 12/7/2014 06:00 - 12/8/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	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	MIRU 5 D & M HEATERS. HEAT 55-600S TO 100°. RDMO D & M HEATERS.

**Aurora Federal 01-1D-7-19 12/8/2014 06:00 - 12/9/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.00	09:00	SRIG	Rig Up/Down	MIRU CUTTERS W/ 5" 10K LUBE.
09:00	1.00	10:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 60 PSI. RIH AND CORRELATE TO SJ AT 7139'-7163' AND 7859'-7883'. RUN DOWN AND PERF UTELAND BUTTE FORM 8022'-8543' WITH 60 HOLES IN 20' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
10:00	4.00	14:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

**Aurora Federal 01-1D-7-19 12/9/2014 06:00 - 12/10/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.17	07:10	SMTG	Safety Meeting	AOL 05:30. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS, ICE PLUGS, PROTECHNICS ON LOC.
07:10	2.50	09:40	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 125 PSI AT 7:10 AM BREAK DOWN 2532 PSI AT 8.5 BPM. PMP 3900 GAL 15% HCL ACID W/ 120 BIO BALLS FOR DIVERSION. 10.2 BPM AT 1220 PSI. FLUSH W/ 8341 GAL. 30.7 BPM AT 1950 PSI. BALL OUT (MAX PRESSURE 4205 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.  "TRIED 2 FR SWEEPS WE ENDED UP RUNNING 20# LINEAR SWEEPS SEEING BETTER RESULTS OF SWEEPS W/LINEAR FLUID. MANUALLY ENTERED SAND SET PTS AS PSI ALLOWED"  ISIP 1191, FG .58, MR 70.7 BPM, AR 69.2 BPM, MP 3617 PSI (ON FINAL FLUSH 3380 PSI), AP 2405 PSI 30/50 WHITE 150,200 lbs SLKWATER .5#.75#1.0PPG SLK WTR 7008 BBLs. 20# LINEAR 837 BTR 7949 BBLs.  STAGE SCORE 10  SHUT IN AND TURN WELL OVER TO CUTTERS
09:40	1.34	11:00	PFRT	Perforating	PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE (WITH METHANOL) 1300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7139'-7163' & 7859'-7883'. RUN DOWN AND SET 5-1/2" CBP AT 8008' WITH 1250 PSI. PULL UP AND PERF BSF, CASTLE PEAK FORM 7710'-7981' WITH 45 HOLES IN 15' NET. END PERFS WITH 1100 PSI. POOH AND VERIFY ALL GUNS SHOT.  SHUT IN TURN WELL OVER TO HES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
11:00	0.50	11:30	FRAC	Frac. Job	FRAC STG 2 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 1025 PSI AT 11:05 AM BREAK DOWN 9.9 PSI AT 2514 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.4 BPM AT 1600 PSI. FLUSH W/ 7793 GAL. 29.8 BPM AT 2400 PSI. BALL OUT (MAX PRESSURE 5160 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.
11:30	3.50	15:00	DTIM	Downtime	SHUT DOWN @ 11:30 AM DUE TO EXHAUST FILTER PLUGGED ON GROWLER. WOULD NOT REGIN ON IT'S OWN. HES CALLED FOR A CAT MECHANIC END UP NOT BEING ABLE TO GET CAT MECHANIC OUT ON LOC UNTIL LATE THIS EVENING. HES CONTINUE TO WORK ON GROWLER GOT IT TO REGEN @ 15:05.
15:00	2.50	17:30	FRAC	Frac. Job	FRAC STG 2 REPRIMED CHEMS, PSI TESTED, EQUALIZED STARTED PUMPING @ 15:20. REPUMPED PAD CONTINUE W/FRAC  ISIP 2056 , FG .69, MR 70 BPM, AR 67 BPM, MP 5339 PSI (ON FINAL FLUSH 4750 PSI), AP PSI 30/50 WHITE 150,000 lbs SLKWATER .5#.75#1.0PPG SLK WTR 436SKS & 20# LINEAR 1064 SKS SLK WTR 3793 BBLS. 20# LINEAR 3652 BTR 7538 BBLS.  STAGE SCORE 10  SHUT IN AND TURN WELL OVER TO CUTTERS
17:30	1.00	18:30	PFRT	Perforating	PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE (WITH METHANOL) 2100 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7139'-7163'. RUN DOWN AND SET 5-1/2" CBP AT 7694' WITH 1850 PSI. PULL UP AND PERF DOUGLAS CREEK/3 PT MKR FORM 7374'-7679' WITH 45 HOLES IN 15' NET. END PERFS WITH 1775 PSI.  POOH AND VERIFY ALL GUNS SHOT. SDFN
18:30	11.49	06:00	LOCL	Lock Wellhead & Secure	WINTERIZE EQUIP. LOCK & SECURE WELL. SDFN

**Aurora Federal 01-1D-7-19 12/10/2014 06:00 - 12/11/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.75	07:45	SMTG	Safety Meeting	AOL 06:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS, ICE PLUGS, PROTECHNICS ON LOC.
07:45	2.50	10:15	FRAC	Frac. Job	FRAC STG 3 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 1280 PSI AT 7:45 AM BREAK DOWN 2807 PSI AT 10 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1965 PSI. FLUSH W/ 7498 GAL. 30.5 BPM AT 2650 PSI. BALL OUT (MAX PRESSURE 5684 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.  ISIP 2315, FG .74, MR 70.8 BPM, AR 64.9 BPM, MP 3914 PSI (ON FINAL FLUSH 5000 PSI), AP 3458 PSI 30/50 WHITE 150,200 lbs SLKWATER PLACED 1294 SACKS & 20# LINEAR PLACE 206 SACKS ENTERED SAND MANUALLY AS PSI ALLOWED 0.5#-1.6#PPG SLK WTR 6363 BBLS. 20# LINEAR 1181 BTR 7636 BBLS.  STAGE SCORE 10  SHUT IN AND TURN WELL OVER TO CUTTERS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
10:15	1.00	11:15	PFRT	Perforating	PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE (WITH METHANOL) 2400 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7139'-7163'. RUN DOWN AND SET 5-1/2" CBP AT 7260' WITH 2250 PSI. PULL UP AND PERF TGRS/DOUGLAS CREEK FORM 6992'-7245' WITH 45 HOLES IN 15' NET. END PERFS WITH 1100 PSI. POOH AND VERIFY ALL GUNS SHOT.  SHUT IN TURN WELL OVER TO HES.
11:15	2.25	13:30	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 550 PSI AT 11:25AM BREAK DOWN 1948 PSI AT 8.1 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1040 PSI. FLUSH W/ 7074 GAL. 29.8 BPM AT 1995 PSI. BALL OUT (MAX PRESSURE 5994 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.  ISIP 1521, FG .65, MR 70.8 BPM, AR 67.6 BPM, MP 4691 PSI (ON FINAL FLUSH 4510 PSI), AP 2921 PSI 30/50 WHITE 149,800 lbs SLKWATER PLACED 1240 SACKS & 20# LINEAR PLACED 258 SACKS MANUALLY ENTERED SAND SET PTS AS PSI ALLOWED 0.5-1.25PPG. SLK WTR 5777 BBLS. 20# LINEAR 1033 BTR 6891 BBLS.  STAGE SCORE 10  HES RIG DOWN CANDY CANES.  SHUT IN AND TURN WELL OVER TO CUTTERS
13:30	1.00	14:30	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1500 PSI. RIH & SET KILL PLUG AT 6940' WITH 1400 PSI. BLEED OFF WELL AS POOH.
14:30	2.00	16:30	SRIG	Rig Up/Down	RDMO HES AND CUTTERS FRAC FLEET.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. STACK FRAC WTR. MOVE OFF FRAC LINE.

**Aurora Federal 01-1D-7-19 12/11/2014 06:00 - 12/12/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.00	08:00	SRIG	Rig Up/Down	ROAD RIG TO LOCATION FROM THE RU 5-19.
08:00	1.00	09:00	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU 7" 5K BOP AND HYDRIL. RU FLOOR.
09:00	2.50	11:30	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD 277-JTS 2-7/8" L-80 TBG.
11:30	3.00	14:30	RUTB	Run Tubing	MU 4-3/4" BIT, FLOAT SUB, 1-JT TBG, DRAIN SUB. RIH AS MEAS AND PU TBG.
14:30	0.50	15:00	PTST	Pressure Test	RU PWR SWIVEL. FILL TBG. PRES TEST BOP AND LINES TO 2000 PSI.
15:00	2.50	17:30	DOPG	Drill Out Plugs	EST CIRC. PUMP 2 BPM, HOLD 1500 PSI BACK PRES ON 18/64" AS D/O KILL PLUG, PRES CAME UP TO 2100 PSI WHEN THRU.  CBP #1 AT 6940'. D/O IN 5 MIN. FCP 900 PSI ON 22/64". CBP #2 AT 7260'. D/O IN 5 MIN. FCP 900 PSI ON 28/64".  HANG PWR SWIVEL. EOT AT 7295' W/ 229-JTS IN. CIRC CLEAN. TURN TO PRODUCTION AND TREATER FOR NIGHT.
17:30	12.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PRODUCTION. FCP 900 PSI ON 28/64" CHOKE.

**Aurora Federal 01-1D-7-19 12/12/2014 06:00 - 12/13/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CT, HSM, FCP 22/64 750 PSI.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	1.00	08:00	DOPG	Drill Out Plugs	P/U 13 JTS TAG FILL @ 7688' WITH 6' OF FILL. D/O CBP #3 @ 7694' ON A 22/64 650 PSI. 242 JTS W/BHA.
08:00	1.50	09:30	DOPG	Drill Out Plugs	P/U 10 JTS TAG FILL @ 8329', 314' OF FILL. P/U 10 JTS D/O FC @ 8643'. P/U & D/O 1 JT TO PBTD OF 8694' 273JTS W/BHA.
09:30	1.50	11:00	SRIG	Rig Up/Down	R/D SWIVEL, CIRC W/30BBLS.
11:00	0.50	11:30	PULT	Pull Tubing	POOH W/TBG L/D 58JTS. TOTAL OF 62 JTS OUT ON PIPE RACKS.
11:30	1.50	13:00	SRIG	Rig Up/Down	LAND HANGER/ R/D FLOOR, N/D BOP, N/U WELL HEAD.  TBG DETAIL.  KB- 13.00' HGR- .85' 214 JTS- 6812.50' XN- 1.25' 1 JT- 31.83' POBS- .95' EOT- 6860.38'
13:00	0.50	13:30	GOP	General Operations	PUMP OFF BIT @ 2800 PSI. FLUSH TBG 10BW. FTP 750 PSI SICP 900 ON A 18/64.
13:30	1.00	14:30	SRIG	Rig Up/Down	RACK OUT & DRAIN UP EQUIP. R/D
14:30	15.50	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL TURN WELL OVER TO PRODUCTION

**Aurora Federal 01-1D-7-19 12/19/2014 06:00 - 12/20/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	PRODUCING	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.00	08:00	RMOV	Rig Move	ROAD RIG FROM 15-23D-7-20 TO LOCALTON.
08:00	1.00	09:00	SRIG	Rig Up/Down	PUMP 150 BBLS HOT WTR DOWN TBG. RUSU.
09:00	1.50	10:30	BOPI	Install BOP's	BLEED OFF CSG.X-O FOR TBG. ND WH. NU BOP. RU FLOOR.
10:30	1.50	12:00	PULT	Pull Tubing	LD HANGER. POOH W/ TBG AND POBS. LD POBS.
12:00	2.00	14:00	RUTB	Run Tubing	MU AND RIH W/ PROD BHA AND TBG.  TBG DETAIL KB 13.00 HANGER .85 STRETCH 2.50 210-JTS 2-7/8" L-80 6685.14 5-1/2" 8RD TAC 2.75 3-JTS 2-7/8" L-80 95.50 4' TBG SUB 4.15 2-1/4" PUMP CAVITY 36.85 4' TBG SUB 4.15 3-1/2" DESANDER 17.20 5-JTS 2-7/8" L-80 158.17 BULL PLUG .75  TAC AT 6701', PSN AT 6804', EOT AT 7022'.
14:00	1.00	15:00	BOPR	Remove BOP's	SET 5-1/2" 8RD TAC. RD FLOOR. ND BOP. LAND HANGER IN 20K TENSION. NU WH. X- FOR RODS.
15:00	1.00	16:00	HOIL	Hot Oil Well	FLUSH TBG W/ 50 BBLS HOT WTR. DROP STANDING VALVE. FOLLOW WITH 20 BBLS HOT WTR.
16:00	1.50	17:30	RURP	Run Rods & Pump	PU AND PRIME PUMP. RIH W/ PMP AS PU RODS (RAN BTM 1" AND 3/4"). SDFN.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE FOR NIGHT

**Aurora Federal 01-1D-7-19 12/20/2014 06:00 - 12/21/2014 06:00**

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54303	Utah	Uintah	Aurora	PRODUCING	8,740.0	Drilling & Completion

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CT, HSM

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	3.00	10:00	RURP	Run Rods & Pump	P/U PRIME PUMP RIH W/ RODS & PUMP.  1) 40' POLISH ROD 4) 2',6',8',8' PONIES 86) 1" D 8 PERS 100) 7/8" D 8 PERS 59) 3/4" D 8 PERS 23) 1" D 4 PERS SC 2.5-2.25-THBM-36'
10:00	0.50	10:30	PTST	Pressure Test	FILL TBG W/ 1BBL & STROKE TEST PUMP TO 800 PSI. GT. TOOK 1 1/2 STROKES
10:30	1.50	12:00	SRIG	Rig Up/Down	RIG DOWN DERRICK. SLIDE UNIT IN PWOP.
12:00	18.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL. PWOP.

**Aurora Federal 01-1D-7-19 12/29/2014 06:00 - 12/30/2014 06:00**

API 43-047-54303	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 8,740.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.50	09:30	GOP	General Operations	ROAD RIG TO LOCATION. SLIDE ROTO OUT. RUSU. REMOVE 6' SUB, ADD 2' SUB. FILL W/ 2 BBLs AND STROKE TEST. GOOD. RDSU. SLIDE ROTO IN. PWOP. MOVE OFF
09:30	20.50	06:00	GOP	General Operations	WELL ON PRODUCTION.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU76488
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</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>7. UNIT or CA AGREEMENT NAME:</b> AURORA (DEEP)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43047543030000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 312-8134 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRENNAN BOTTOM
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/12/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> 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"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
OTHER: <input type="text" value="Site security diagram"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Site security diagram attached		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 14, 2015</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> 1/12/2015

Sundry Number: 59757 API Well Number: 43047543030000

**BILL BARRETT CORPORATION**

**FEE**  
 Aurora Fed 1-1D-7-19  
 NW ¼ NE ¼ Sec 1,T7S, R19E,  
 Lease # UTU-76488  
 API # 43-047-54303  
 Uintah Co. Utah

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

**1 - 4" LOAD LINE**

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

**2 - 3" OIL LINES**

Production Phase – open  
 Sales Phase – sealed close

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

Drain water – open

**4 - 4" UPPER EQUALIZER**

Production Phase – open  
 Sales Phase – sealed close

**5 - BYPASS**

Production Phase – open  
 No Sales Phase

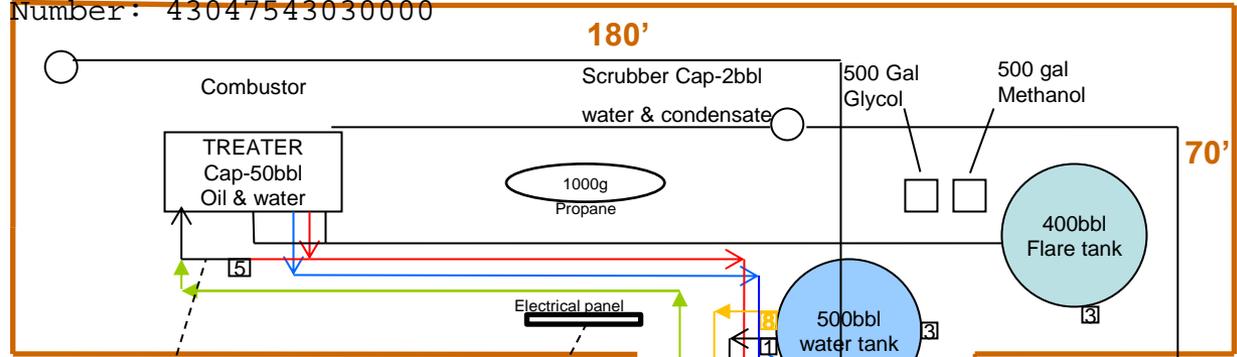
**7- 2" RECYCLE**

Production – open  
 Sales – sealed closed

**8- 2" WATER TANK SKIM**

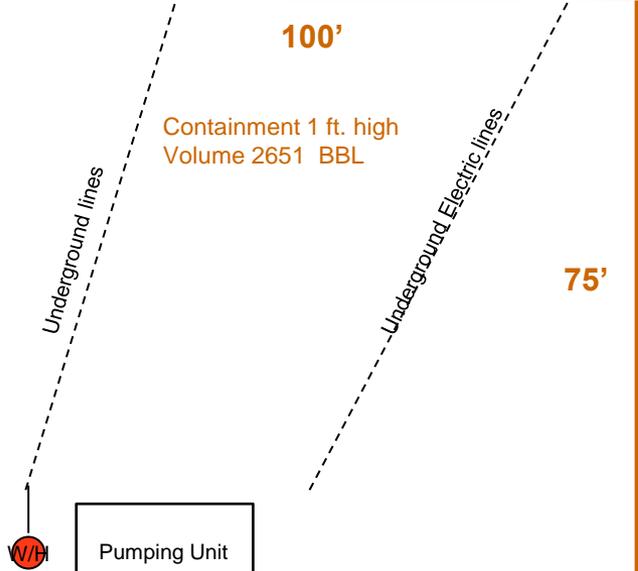
- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank for emergency pressure relief of treater

70'

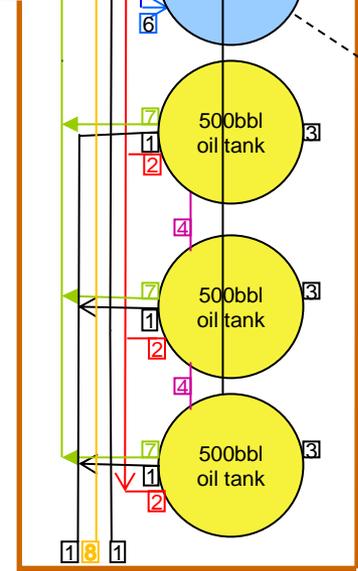


100'

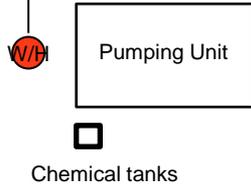
Containment 1 ft. high  
 Volume 2651 BBL



75'



30'



Chemical tanks

Meter Shack  
 EFM located in meter shack

Underground gas & water lines

Entrance →

North ↑

Surface Drainage to East in to wet intermittent drainage. Irrigated crop land adjacent to south side of location.

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU76488

1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
Other \_\_\_\_\_

2. Name of Operator **BILL BARRETT CORPORATION** Contact: **CHRISTINA HIRTLER**  
E-Mail: **chrtler@billbarrettcorp.com**

3. Address **1099 18TH STREET SUITE 2300 DENVER, CO 80202** 3a. Phone No. (include area code) **Ph: 303-312-8597**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 1 T7S R19E Mer SLB  
At surface **NENE 596FNL 1635FEL**  
At top prod interval reported below **NENE 633FNL 780FEL**  
At total depth **NENE 676FNL 756FEL**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. \_\_\_\_\_

8. Lease Name and Well No. **AURORA FEDERAL 1-1D-7-19**

9. API Well No. **43-047-54303**

10. Field and Pool, or Exploratory **BRENNAN BOTTOM**

11. Sec., T., R., M., or Block and Survey or Area **Sec 1 T7S R19E Mer SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **09/29/2014** 15. Date T.D. Reached **11/12/2014** 16. Date Completed **12/11/2014**  
 D & A  Ready to Prod.

17. Elevations (DF, KB, RT, GL)\* **4924 GL**

18. Total Depth: MD **8740** TVD **8668** 19. Plug Back T.D.: MD **8644** TVD **8572** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **MUD,CBL**

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit analysis)  
Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0		80	80				
12.250	8.625 J-55	24.0		1236	1236	510	157	2974	
7.875	5.500 I-80	17.0		8740	8733	1135	371		

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7022							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	6992	8543	6992 TO 8543	0.380	195	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6992 TO 8543	GREEN RIVER SEE STAGES 1-4

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/11/2014	12/17/2014	24	→	124.0	20.0	571.0	32.0		FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	SI	70	→	124	20	571	161	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #287484 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	4699
				MAHOGANY	5848
				TGR3	6993
				DOUGLAS CREEK	7105
				BLACK SHALE FACIES	7709
				CASTLE PEAK	7787
				UTELAND BUTTE	8014
				WASATCH	8620

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL, Conductor was cemented with grout. Attaches is the treatment data and logs. First gas was on 12/12/2014, first oil sales 12/22/2014.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #287484 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal**

Name (please print) CHRISTINA HIRTLER Title PERMIT ANALYST

Signature (Electronic Submission) Date 01/09/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**Aurora Federal 1-1D-7-19 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 30/50 Premium White</u></b>	<b><u>gal 15% HCl Acid</u></b>
1	7949	150,200	4,400
2	7538	150,000	3,900
3	7636	150,200	3,900
4	6891	149,800	3,400

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



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well Aurora Federal 1-1D-7-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 33)
<b>Site:</b>	SECTION 1 T7S, R19E	<b>MD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 33)
<b>Well:</b>	Aurora Federal 1-1D-7-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

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

<b>Site</b>	SECTION 1 T7S, R19E		
<b>Site Position:</b>		<b>Northing:</b>	11,149,856.73 usft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,133,463.49 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 14' 34.830 N
		<b>Longitude:</b>	109° 44' 7.130 W
		<b>Grid Convergence:</b>	1.08 °

<b>Well</b>	Aurora Federal 1-1D-7-19, SHL: 40° 14' 44.660 -109° 43' 39.770		
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b> 11,150,892.32 usft
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b> 2,135,567.78 usft
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b> 4,937.0 usft
			<b>Latitude:</b> 40° 14' 44.660 N
			<b>Longitude:</b> 109° 43' 39.770 W
			<b>Ground Level:</b> 4,924.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/31/2014	10.77	65.94	52,096

<b>Design</b>	Actual			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	95.25

<b>Survey Program</b>	<b>Date</b>	11/21/2014		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
236.0	8,740.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well Aurora Federal 1-1D-7-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 1 T7S, R19E	<b>MD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Well:</b>	Aurora Federal 1-1D-7-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
236.0	0.00	183.69	236.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
329.0	0.31	186.33	329.0	0.0	-0.3	0.0	0.33	0.33	0.00	0.00
422.0	0.26	204.39	422.0	-0.1	-0.7	-0.1	0.11	-0.05	19.42	19.42
511.0	0.53	180.93	511.0	-0.1	-1.3	-0.2	0.35	0.30	-26.36	-26.36
603.0	0.44	188.63	603.0	-0.1	-2.1	-0.3	0.12	-0.10	8.37	8.37
694.0	0.66	169.94	694.0	0.0	-2.9	-0.3	0.31	0.24	-20.54	-20.54
785.0	0.66	176.00	785.0	0.2	-4.0	-0.1	0.08	0.00	6.66	6.66
888.0	0.57	172.14	888.0	0.4	-5.1	0.0	0.10	-0.09	-3.75	-3.75
973.0	0.56	176.97	973.0	0.6	-5.9	0.1	0.06	-0.01	5.68	5.68
1,058.0	0.53	187.47	1,058.0	0.7	-6.7	0.0	0.12	-0.04	12.35	12.35
1,144.0	0.53	184.13	1,144.0	0.6	-7.5	0.0	0.04	0.00	-3.88	-3.88
1,253.0	0.71	161.72	1,253.0	0.9	-8.6	0.1	0.27	0.17	-20.56	-20.56
1,337.0	1.02	114.83	1,337.0	1.8	-9.4	1.0	0.89	0.37	-55.82	-55.82
1,423.0	2.78	94.25	1,422.9	4.6	-9.9	3.7	2.16	2.05	-23.93	-23.93
1,508.0	4.42	92.05	1,507.7	10.0	-10.2	9.1	1.94	1.93	-2.59	-2.59
1,594.0	6.41	94.03	1,593.3	18.1	-10.6	17.2	2.32	2.31	2.30	2.30
1,680.0	6.58	91.74	1,678.8	27.8	-11.1	26.9	0.36	0.20	-2.66	-2.66
1,765.0	7.91	90.72	1,763.1	38.5	-11.4	37.6	1.57	1.56	-1.20	-1.20
1,851.0	9.28	93.63	1,848.1	51.3	-11.9	50.4	1.67	1.59	3.38	3.38
1,936.0	11.00	94.03	1,931.8	66.3	-12.9	65.4	2.03	2.02	0.47	0.47
2,022.0	11.09	94.82	2,016.2	82.8	-14.1	81.8	0.20	0.10	0.92	0.92
2,107.0	11.18	88.61	2,099.6	99.1	-14.6	98.2	1.41	0.11	-7.31	-7.31
2,194.0	10.69	88.74	2,185.0	115.5	-14.2	114.7	0.56	-0.56	0.15	0.15
2,279.0	10.12	89.84	2,268.6	130.8	-14.1	130.0	0.71	-0.67	1.29	1.29
2,365.0	10.21	87.11	2,353.3	145.8	-13.6	145.2	0.57	0.10	-3.17	-3.17
2,451.0	9.41	86.14	2,438.0	160.3	-12.8	159.8	0.95	-0.93	-1.13	-1.13



## Payzone Directional

End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well Aurora Federal 1-1D-7-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 1 T7S, R19E	<b>MD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Well:</b>	Aurora Federal 1-1D-7-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
2,536.0	9.10	86.71	2,521.9	173.8	-11.9	173.5	0.38	-0.36	0.67	
2,621.0	9.19	87.33	2,605.8	187.2	-11.2	187.0	0.16	0.11	0.73	
2,707.0	9.50	88.52	2,690.7	201.1	-10.7	200.9	0.42	0.36	1.38	
2,792.0	9.81	91.03	2,774.5	215.2	-10.7	215.2	0.61	0.36	2.95	
2,878.0	10.20	92.84	2,859.2	230.2	-11.2	230.1	0.58	0.45	2.10	
2,962.0	10.78	93.15	2,941.8	245.4	-12.0	245.4	0.69	0.69	0.37	
3,048.0	11.00	93.02	3,026.2	261.7	-12.9	261.6	0.26	0.26	-0.15	
3,133.0	10.78	92.13	3,109.7	277.7	-13.6	277.6	0.33	-0.26	-1.05	
3,218.0	10.61	91.83	3,193.2	293.5	-14.1	293.4	0.21	-0.20	-0.35	
3,304.0	10.30	90.81	3,277.8	309.0	-14.5	309.0	0.42	-0.36	-1.19	
3,390.0	9.90	91.83	3,362.5	324.1	-14.8	324.1	0.51	-0.47	1.19	
3,476.0	10.12	89.31	3,447.2	339.0	-15.0	339.0	0.57	0.26	-2.93	
3,561.0	9.41	90.42	3,530.9	353.3	-14.9	353.4	0.86	-0.84	1.31	
3,647.0	8.71	92.93	3,615.9	366.8	-15.3	367.0	0.93	-0.81	2.92	
3,732.0	9.01	92.84	3,699.8	379.9	-16.0	380.1	0.35	0.35	-0.11	
3,817.0	9.80	89.53	3,783.7	393.8	-16.3	393.9	1.13	0.93	-3.89	
3,903.0	9.59	90.94	3,868.5	408.2	-16.3	408.4	0.37	-0.24	1.64	
3,988.0	9.72	92.05	3,952.3	422.4	-16.7	422.7	0.27	0.15	1.31	
4,073.0	9.81	91.12	4,036.0	436.8	-17.1	437.1	0.21	0.11	-1.09	
4,159.0	10.30	92.05	4,120.7	451.8	-17.5	452.1	0.60	0.57	1.08	
4,244.0	9.50	91.43	4,204.5	466.4	-18.0	466.7	0.95	-0.94	-0.73	
4,329.0	8.48	92.31	4,288.4	479.6	-18.4	480.0	1.21	-1.20	1.04	
4,415.0	8.40	87.82	4,373.5	492.2	-18.4	492.6	0.77	-0.09	-5.22	
4,500.0	8.71	85.52	4,457.5	504.7	-17.7	505.2	0.54	0.36	-2.71	
4,586.0	10.30	91.43	4,542.4	518.8	-17.3	519.4	2.17	1.85	6.87	
4,668.0	10.78	94.82	4,623.0	533.8	-18.2	534.4	0.96	0.59	4.13	
4,753.0	9.72	95.22	4,706.6	548.9	-19.5	549.4	1.25	-1.25	0.47	



## Payzone Directional

## End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well Aurora Federal 1-1D-7-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 1 T7S, R19E	<b>MD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Well:</b>	Aurora Federal 1-1D-7-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
4,839.0	8.71	93.02	4,791.5	562.7	-20.5	563.2	1.24	-1.17	-2.56	
4,924.0	8.09	89.05	4,875.6	575.0	-20.7	575.6	1.00	-0.73	-4.67	
5,009.0	8.71	86.14	4,959.7	587.3	-20.2	588.0	0.88	0.73	-3.42	
5,095.0	9.19	89.14	5,044.6	600.6	-19.7	601.3	0.78	0.56	3.49	
5,181.0	10.61	86.93	5,129.3	615.3	-19.1	616.1	1.71	1.65	-2.57	
5,266.0	10.52	87.02	5,212.9	630.7	-18.3	631.7	0.11	-0.11	0.11	
5,355.0	10.78	85.83	5,300.4	646.9	-17.3	648.1	0.38	0.29	-1.34	
5,440.0	11.18	87.64	5,383.8	662.9	-16.4	664.2	0.62	0.47	2.13	
5,528.0	12.50	97.25	5,470.0	680.9	-17.2	682.2	2.69	1.50	10.92	
5,614.0	11.40	96.32	5,554.1	698.7	-19.3	699.9	1.30	-1.28	-1.08	
5,699.0	10.61	93.70	5,637.5	714.9	-20.8	716.0	1.10	-0.93	-3.08	
5,785.0	11.71	97.73	5,721.9	731.6	-22.4	732.6	1.57	1.28	4.69	
5,871.0	10.52	95.84	5,806.3	748.1	-24.4	749.1	1.45	-1.38	-2.20	
5,958.0	10.30	93.54	5,891.9	763.9	-25.7	764.7	0.54	-0.25	-2.64	
6,000.0	10.12	95.53	5,933.2	771.3	-26.3	772.1	0.94	-0.43	4.74	
6,087.0	8.09	96.54	6,019.1	785.1	-27.7	785.8	2.34	-2.33	1.16	
6,172.0	7.20	93.94	6,103.3	796.4	-28.8	797.1	1.12	-1.05	-3.06	
6,258.0	6.01	94.25	6,188.8	806.3	-29.5	807.0	1.38	-1.38	0.36	
6,342.0	5.21	94.12	6,272.4	814.5	-30.1	815.1	0.95	-0.95	-0.15	
6,428.0	4.91	92.75	6,358.0	822.1	-30.5	822.7	0.38	-0.35	-1.59	
6,513.0	4.29	92.13	6,442.7	828.9	-30.8	829.5	0.73	-0.73	-0.73	
6,599.0	3.80	95.22	6,528.5	834.9	-31.2	835.6	0.62	-0.57	3.59	
6,684.0	3.09	100.02	6,613.4	840.0	-31.9	840.6	0.90	-0.84	5.65	
6,769.0	2.78	113.33	6,698.3	844.3	-33.1	844.8	0.88	-0.36	15.66	
6,855.0	2.70	108.84	6,784.2	848.2	-34.6	848.6	0.27	-0.09	-5.22	
6,940.0	2.12	118.05	6,869.1	851.6	-35.9	851.9	0.82	-0.68	10.84	
7,025.0	1.41	136.03	6,954.1	853.9	-37.4	854.0	1.05	-0.84	21.15	



**Payzone Directional**  
End of Well Report



<b>Company:</b>	Bill Barrett Corporation	<b>Local Co-ordinate Reference:</b>	Well Aurora Federal 1-1D-7-19
<b>Project:</b>	Fort Duchesne	<b>TVD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Site:</b>	SECTION 1 T7S, R19E	<b>MD Reference:</b>	Aurora Federal 1-1D-7-19 @ 4937.0usft (CAPSTAR 330)
<b>Well:</b>	Aurora Federal 1-1D-7-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 5000.1 Single User Db

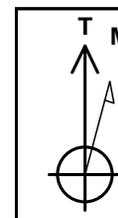
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
7,111.0	1.68	101.04	7,040.0	855.9	-38.4	856.0	1.12	0.31	-40.69	
7,196.0	2.30	110.95	7,125.0	858.8	-39.3	858.8	0.83	0.73	11.66	
7,283.0	2.12	136.03	7,211.9	861.7	-41.1	861.6	1.12	-0.21	28.83	
7,368.0	1.90	128.45	7,296.9	864.1	-43.1	863.7	0.41	-0.26	-8.92	
7,454.0	1.50	158.15	7,382.8	865.8	-45.0	865.3	1.11	-0.47	34.53	
7,539.0	1.90	169.83	7,467.8	866.7	-47.4	865.9	0.62	0.47	13.74	
7,625.0	1.68	167.93	7,553.7	867.4	-50.1	866.5	0.26	-0.26	-2.21	
7,710.0	1.59	168.33	7,638.7	868.1	-52.4	867.0	0.11	-0.11	0.47	
7,795.0	1.50	155.94	7,723.7	869.0	-54.6	867.7	0.41	-0.11	-14.58	
7,881.0	1.90	154.71	7,809.6	870.3	-56.9	868.7	0.47	0.47	-1.43	
7,966.0	1.90	160.04	7,894.6	871.6	-59.5	869.8	0.21	0.00	6.27	
8,051.0	1.68	148.23	7,979.5	873.0	-61.9	870.9	0.50	-0.26	-13.89	
8,136.0	1.68	154.14	8,064.5	874.3	-64.1	872.1	0.20	0.00	6.95	
8,221.0	1.59	153.74	8,149.5	875.6	-66.3	873.2	0.11	-0.11	-0.47	
8,307.0	1.59	159.43	8,235.4	876.7	-68.4	874.2	0.18	0.00	6.62	
8,392.0	1.68	157.44	8,320.4	877.8	-70.7	875.0	0.13	0.11	-2.34	
8,478.0	1.68	158.63	8,406.4	879.0	-73.0	876.0	0.04	0.00	1.38	
8,563.0	1.81	168.53	8,491.3	879.9	-75.5	876.7	0.39	0.15	11.65	
8,649.0	1.81	158.63	8,577.3	880.9	-78.1	877.5	0.36	0.00	-11.51	
8,687.0	1.81	158.24	8,615.3	881.5	-79.2	877.9	0.03	0.00	-1.03	
8,740.0	1.81	158.24	8,668.2	882.2	-80.8	878.5	0.00	0.00	0.00	

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

Sundry Number: 59743 API Well Number: 43047543030000

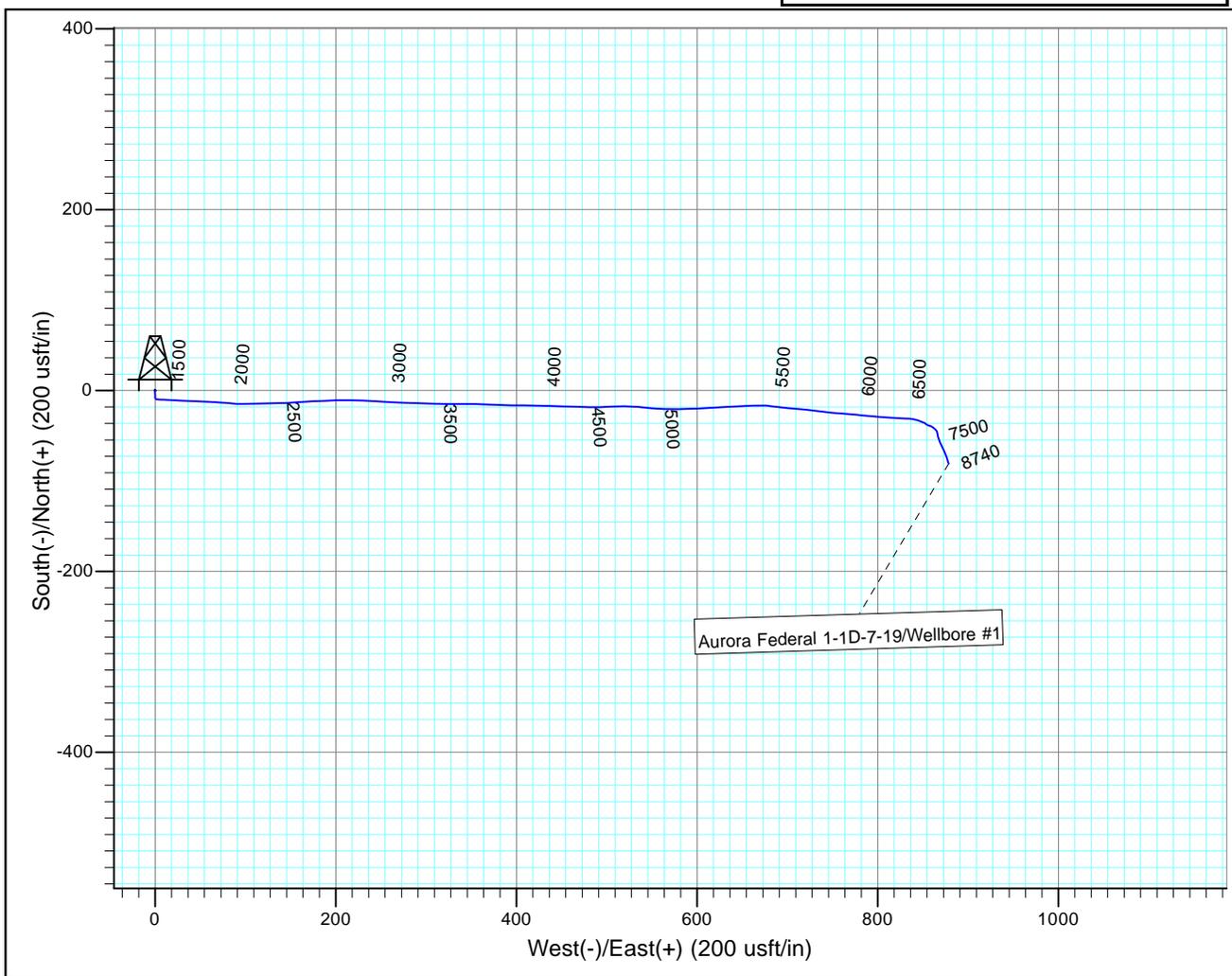
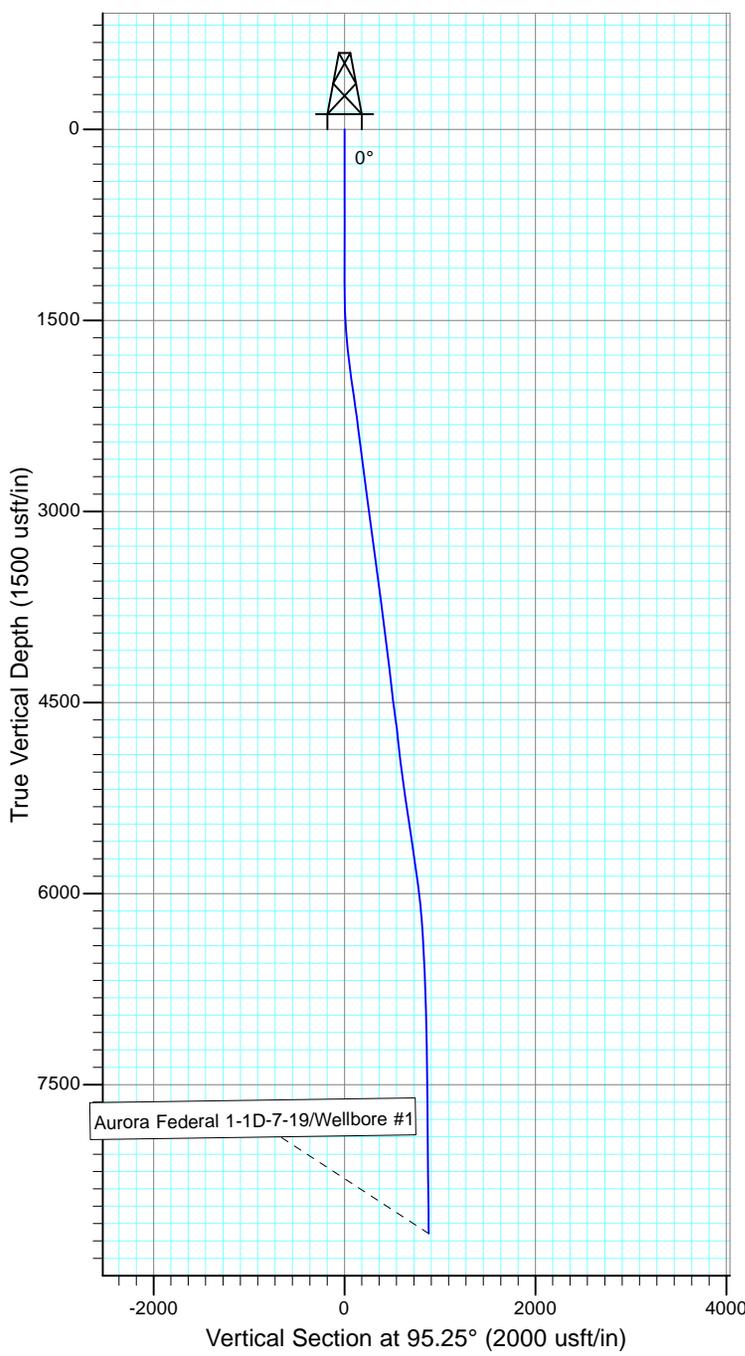


Project: Fort Duchesne  
Site: SECTION 1 T7S, R19E  
Well: Aurora Federal 1-1D-7-19  
Wellbore: Wellbore #1  
Design: Actual



Azimuths to True North  
Magnetic North: 10.77°

Magnetic Field  
Strength: 52095.6snT  
Dip Angle: 65.94°  
Date: 10/31/2014  
Model: IGRF2010



Design: Actual (Aurora Federal 1-1D-7-19/Wellbore #1)

Created By: *Matthew Linton* Date: 7:29, November 21 20

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU76488
		<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> AURORA (DEEP)
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047543030000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S Range: 19.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>9/30/2015</b>	<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 checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="pit closure extension reques"/>

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

BBC is requesting permission to leave this pit open until 9/30/2015 due to inclement weather conditions. BBC will continue with pit closure in the summer, when more favorable weather conditions allow. A follow up sundry will be submitted with the date of pit closure.

**Approved by the**  
**March 06, 2015**  
**Oil, Gas and Mining**

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

By: 

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/19/2015	

<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> UTU76488
		<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> AURORA (DEEP)
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>8. WELL NAME and NUMBER:</b> AURORA FEDERAL 1-1D-7-19
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047543030000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MOFFAT CANAL
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0596 FNL 1635 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 01 Township: 07.0S 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="INTERIM RECLAMATION"/>

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

This location was back filled and seeded on the 9-5-2015.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 02, 2015**

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/14/2015	