

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER AURORA STATE 5-32D-7-20					
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 THREE RIVERS					
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134					
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 49956			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" 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') BILL BARRETT CORP/CIRCLE B LAND						14. SURFACE OWNER PHONE (if box 12 = 'fee') 3032939100					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1099 18TH ST STE 2300, DENVER, CO 80202						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		2295 FNL 665 FWL		SWNW	32	7.0 S	20.0 E	S			
Top of Uppermost Producing Zone		1980 FNL 660 FWL		SWNW	32	7.0 S	20.0 E	S			
At Total Depth		1980 FNL 660 FWL		SWNW	32	7.0 S	20.0 E	S			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640					
27. ELEVATION - GROUND LEVEL 4811			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1928			26. PROPOSED DEPTH MD: 9076 TVD: 9063					
			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used		0	0.0	0.0
SURF	12.25	8.625	0 - 1200	24.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown		170	3.16	11.0
							Halliburton Premium , Type Unknown		270	1.36	14.8
PROD	7.875	5.5	0 - 9076	17.0	I-80 LT&C	9.5	Unknown		470	2.31	11.0
							Unknown		780	1.42	13.5
ATTACHMENTS											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input 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 09/08/2014			EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047547280000			APPROVAL			 Permit Manager					

BILL BARRETT CORPORATION
DRILLING PLAN

Aurora State 5-32D-7-20

SWNW, 2295' FNL and 665' FWL, Section 32, T7S-R20E, SLB & M (surface hole)

SWNW, 1980' FNL and 660' FWL, Section 32, T7S-R20E, 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

<u>Formation</u>	<u>Depth –MD</u>	<u>Depth –TVD</u>
Green River	3,310'	3,304'
Mahogany	4,342'	4,332'
Lower Green River*	5,357'	5,344'
Douglas Creek	5,443'	5,430'
Black Shale	6,340'	6,327'
Castle Peak	6,462'	6,449'
Uteland Butte	6,706'	6,693'
Wasatch*	8,576'	8,563'
TD	9,076'	9,063'

*PROSPECTIVE PAY

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

Base of Useable Water = 928'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1200'	Rotating Head or Diverter (may pre-set surface 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

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1200'	8 5/8"	24#	J-55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P110/I80	LT&C	New

Bill Barrett Corporation
 Drilling Program
 Aurora State 5-32d-7-20
 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 ³ /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 ³ /sx), calculated hole volume with 75% excess. TOC @ 700'
5 1/2" Production Casing	Lead: 470 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 700' Tail: 780 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 4857'

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 4477 psi* and maximum anticipated surface pressure equals 2483 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 State 5-32d-7-20
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 State 5-32d-7-20

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 ³
Lead Fill:	700'	
Tail Volume:	361.1	ft ³
Tail Fill:	500'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	170
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	700'	

# SK's Tail:	270
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Production Hole Data:

Total Depth:	9,076'
Top of Cement:	700'
Top of Tail:	4,857'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1080.3	ft ³
Lead Fill:	4,157'	
Tail Volume:	1096.5	ft ³
Tail Fill:	4,219'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	470
# SK's Tail:	780

Aurora State 5-32d-7-20 Proposed Cementing Program

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

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4857' - 700')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 4,157'
	Volume: 192.40 bbl
	Proposed Sacks: 470 sks
Tail Cement - (9076' - 4857')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 4,857'
	Calculated Fill: 4,219'
	Volume: 195.29 bbl
	Proposed Sacks: 780 sks

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.

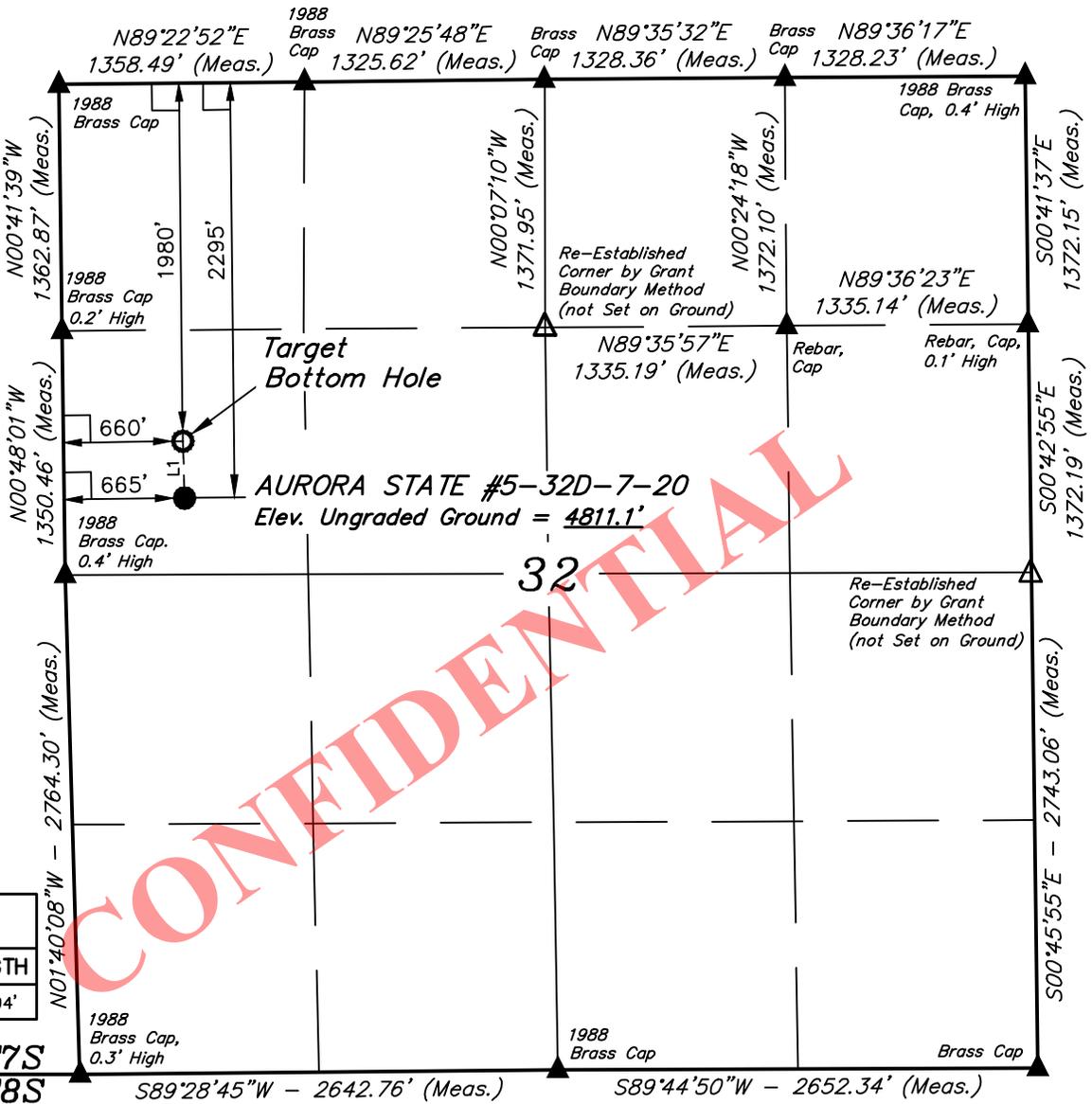
A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

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T7S, R20E, S.L.B.&M.

LEGEND:

- ☐ = 90° SYMBOL
- = PROPOSED WELLHEAD.
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N01°43'32\"W	314.94'



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'05.83\" (40.168286)	LATITUDE = 40°10'02.72\" (40.1674222)
LONGITUDE = 109°42'00.37\" (109.700103)	LONGITUDE = 109°42'00.25\" (109.700069)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°10'05.96\" (40.168322)	LATITUDE = 40°10'02.85\" (40.167458)
LONGITUDE = 109°41'57.87\" (109.699408)	LONGITUDE = 109°41'57.75\" (109.699375)

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

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.



CERTIFICATE

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



BILL BARRETT CORPORATION

AURORA STATE #5-32D-7-20
SW 1/4 NW 1/4, SECTION 32, T7S, R20E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY: R.R., C.W.	SURVEY DATE: 07-16-14
DRAWN BY: J.M.C.	DATE DRAWN: 08-06-14
SCALE: 1" = 1000'	REVISED: 00-00-00

WELL LOCATION PLAT



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

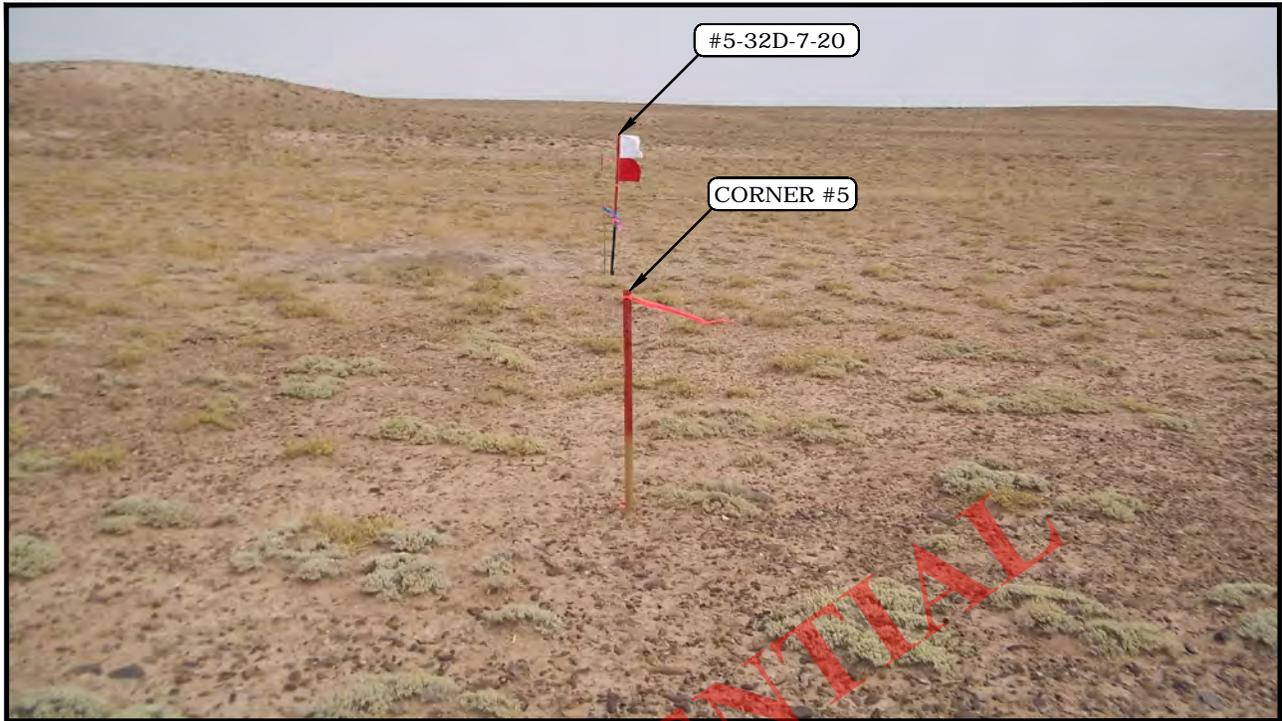


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY

BILL BARRETT CORPORATION

**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**

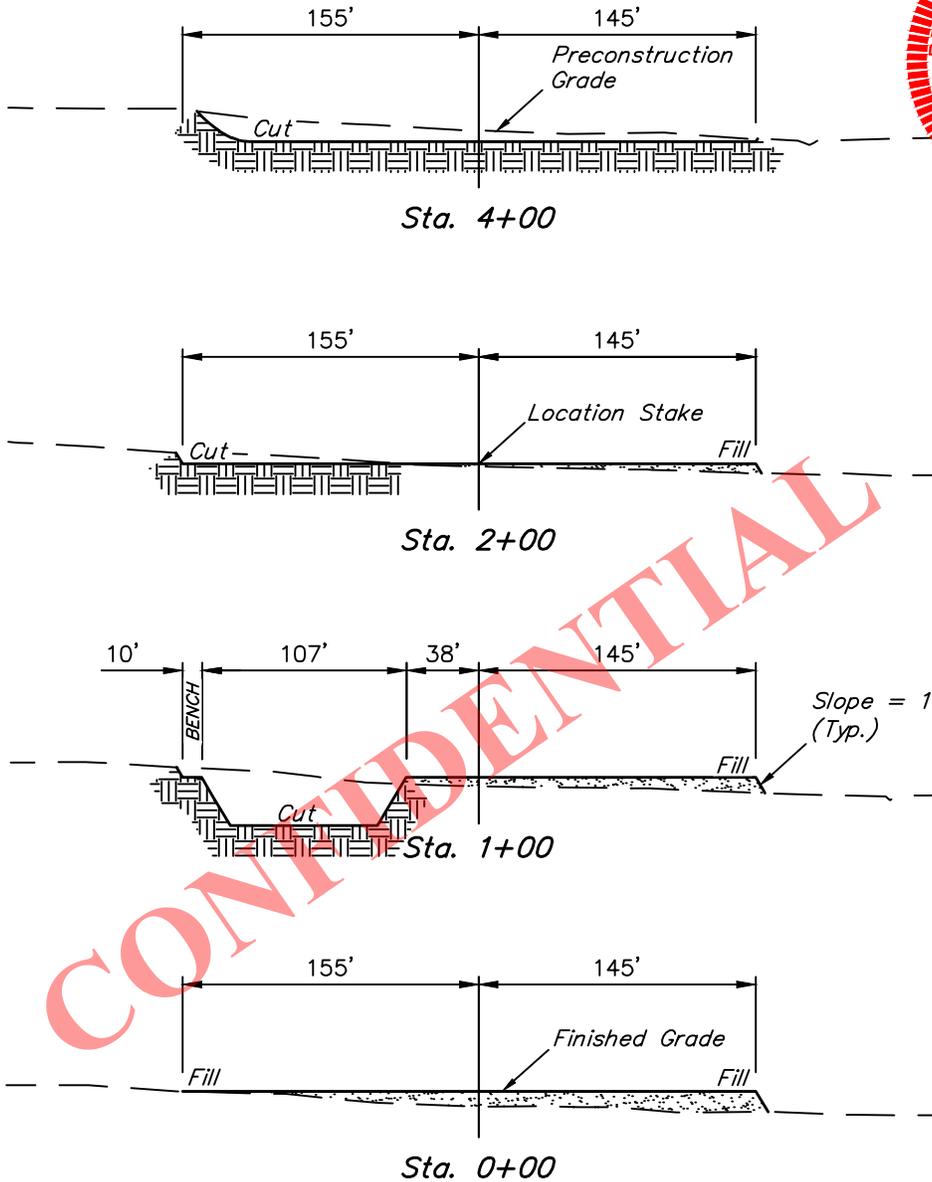
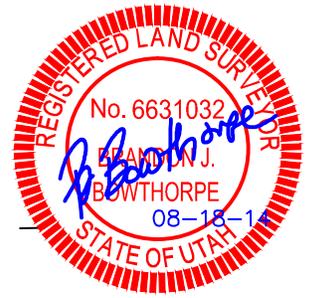


UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: C.M.F.	DATE DRAWN: 07-17-14
TAKEN BY: R.R.	REV: 00-00-00
LOCATION PHOTOS	PHOTO

RECEIVED: September 08, 2014

X-Section Scale
1" = 100'



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APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	2,320 Cu. Yds.
REMAINING LOCATION	7,470 Cu. Yds.
TOTAL CUT	9,790 Cu. Yds.
FILL	5,070 Cu. Yds.
EXCESS MATERIAL	4,720 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	4,720 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.595
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±301.45'	±0.208
30' WIDE PIPELINE R-O-W DISTURBANCE	±248.85'	±0.171
150' WIDE POWER LINE R-O-W DISTURBANCE	±301.45'	±1.038
TOTAL SURFACE USE AREA		±6.012

NOTES:

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Topsoil should not be stripped below finished grade on substructure area.

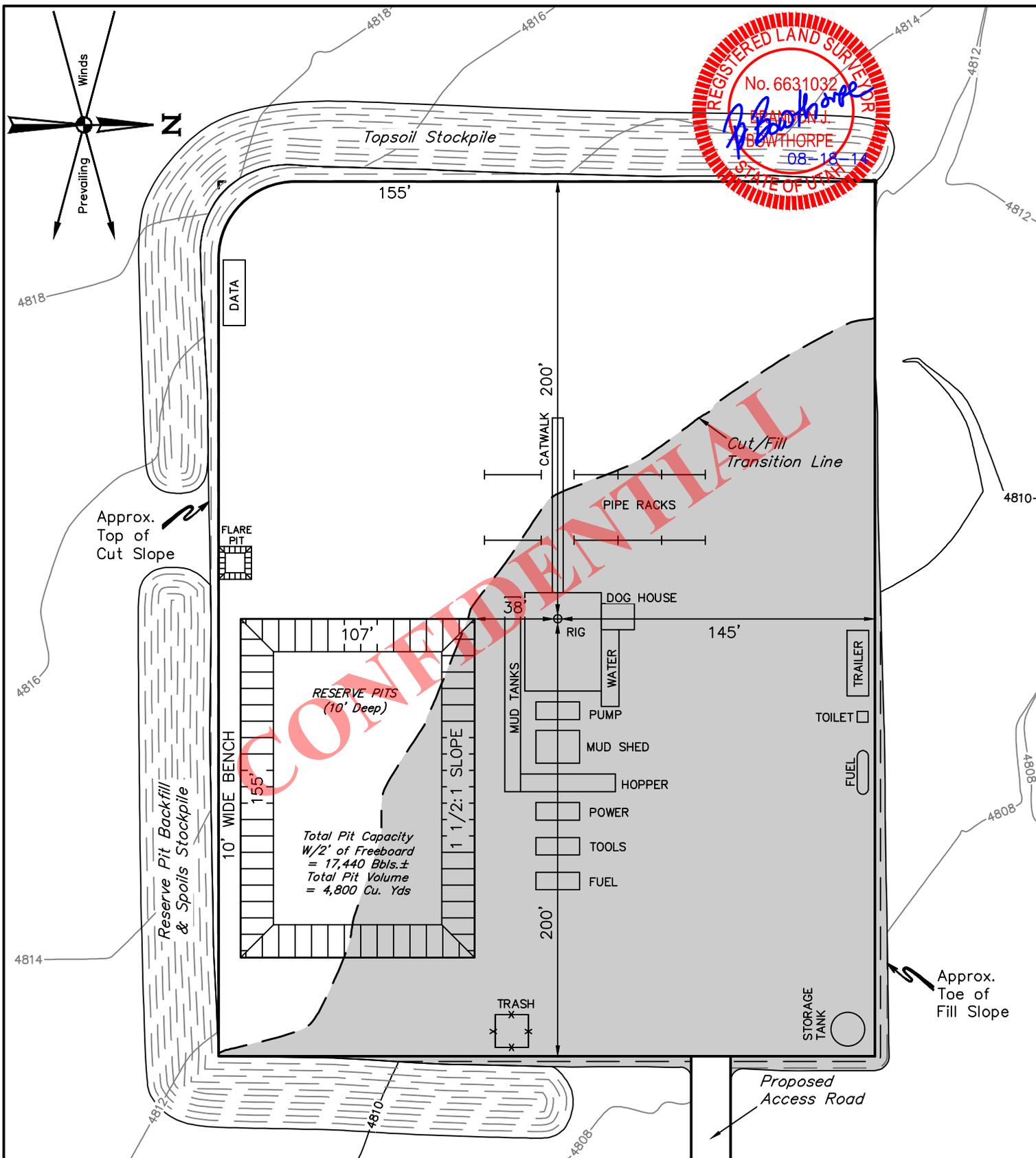
BILL BARRETT CORPORATION

**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**



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Vernal, UT 84078 * (435) 789-1017

DRAWN BY: J.M.C.	DATE DRAWN: 08-06-14
SCALE: AS SHOWN	REVISED: 00-00-00
TYPICAL CROSS SECTIONS	FIGURE #2



NOTES:

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.

BILL BARRETT CORPORATION

**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**



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DRAWN BY: J.M.C.	DATE DRAWN: 08-06-14
SCALE: 1" = 60'	REVISED: 00-00-00
TYPICAL RIG LAYOUT	FIGURE #3

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 10.6 MILES TO THE JUNCTION OF THIS ROAD AND 10000 S. TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE AURORA FEDERAL #15-28D-7-20 AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE AURORA STATE #6-32-7-20 TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE PROPOSED ACCESS ROAD TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 349' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 26.6 MILES.

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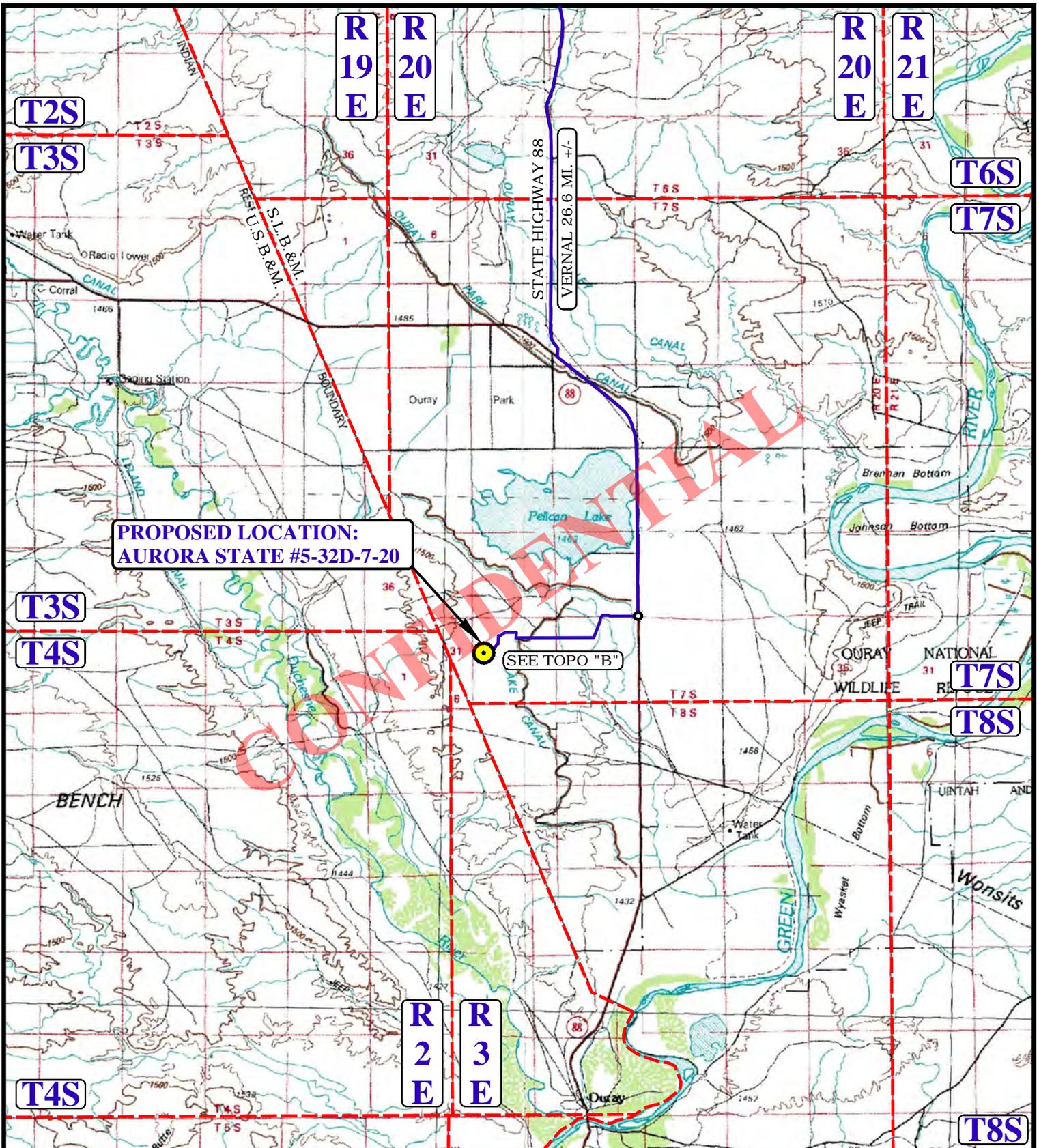
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AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL



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DRAWN BY: C.M.F.	DATE DRAWN: 07-17-14
	REV: 00-00-00
ROAD DESCRIPTION	



**PROPOSED LOCATION:
AURORA STATE #5-32D-7-20**

SEE TOPO "B"

LEGEND:

 PROPOSED LOCATION



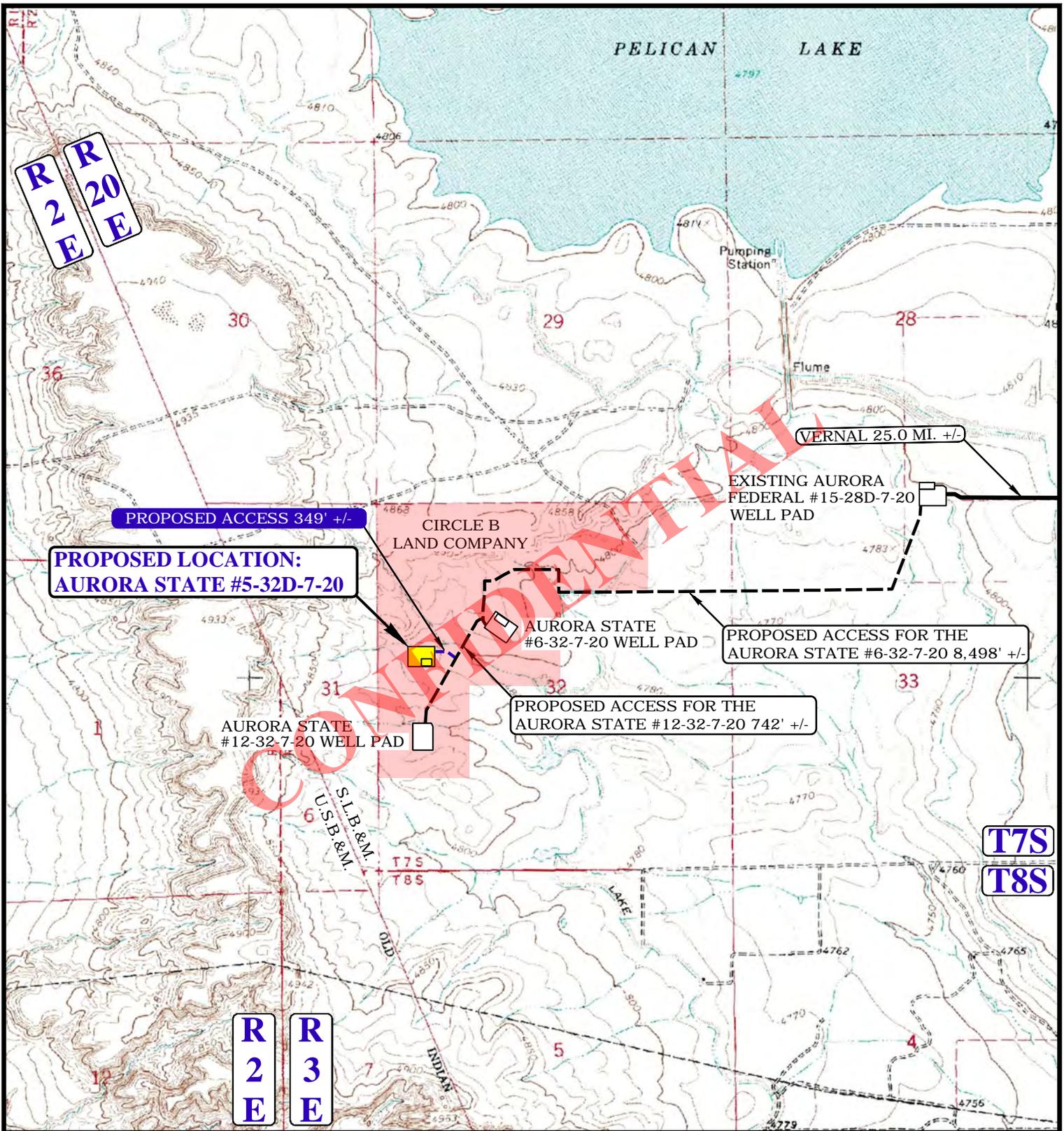
BILL BARRETT CORPORATION

**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**

DRAWN BY: C.M.F.	DATE DRAWN: 07-17-14
SCALE: 1:100,000	REV: 00-00-00
ACCESS ROAD MAP	TOPO A



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

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

BILL BARRETT CORPORATION

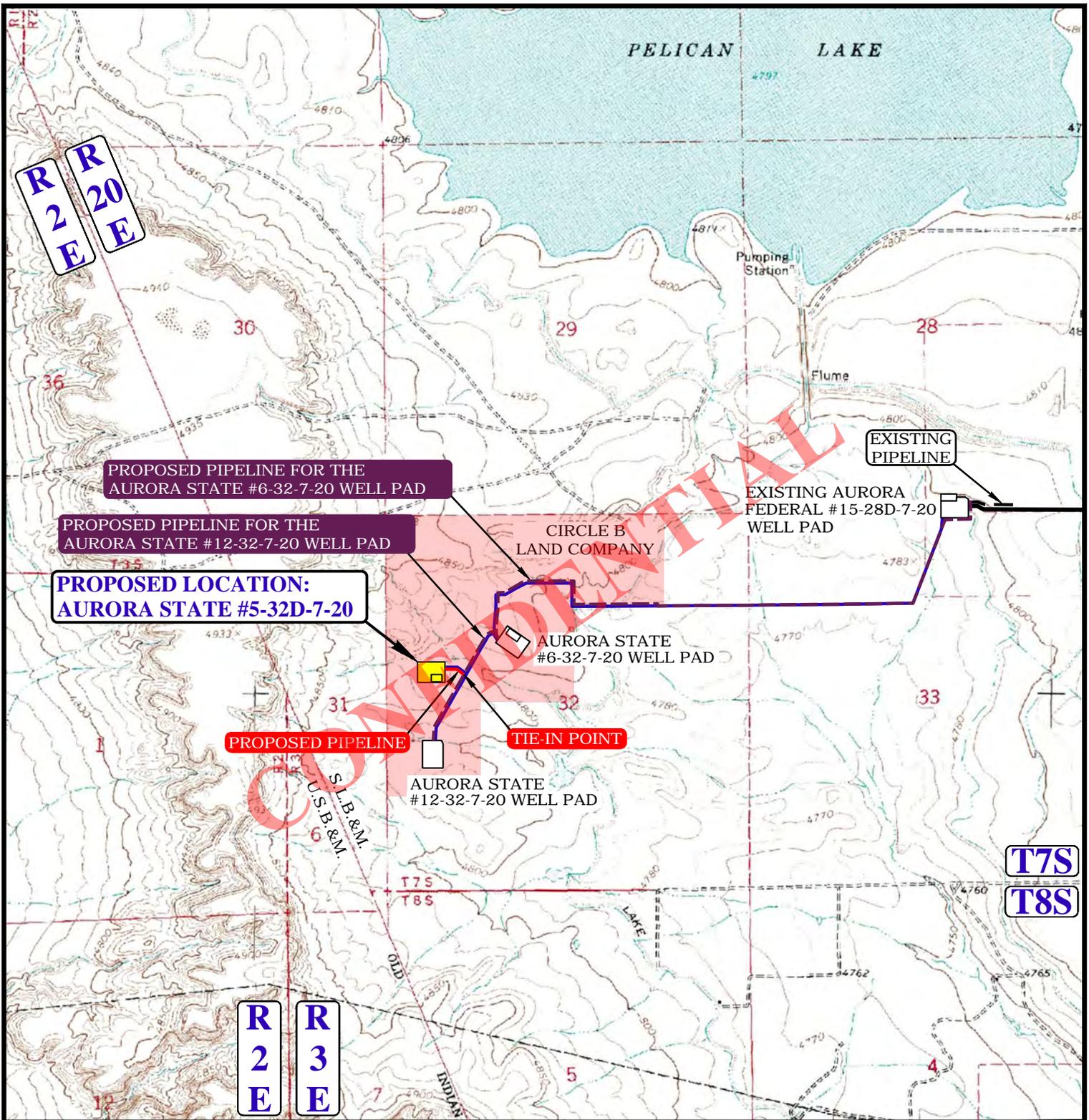
**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**



DRAWN BY: C.M.F.	DATE DRAWN: 07-17-14
SCALE: 1" = 2000'	REV: 00-00-00
ACCESS ROAD MAP	TOPO B



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



APPROXIMATE TOTAL PIPELINE DISTANCE = 303' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

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

BILL BARRETT CORPORATION

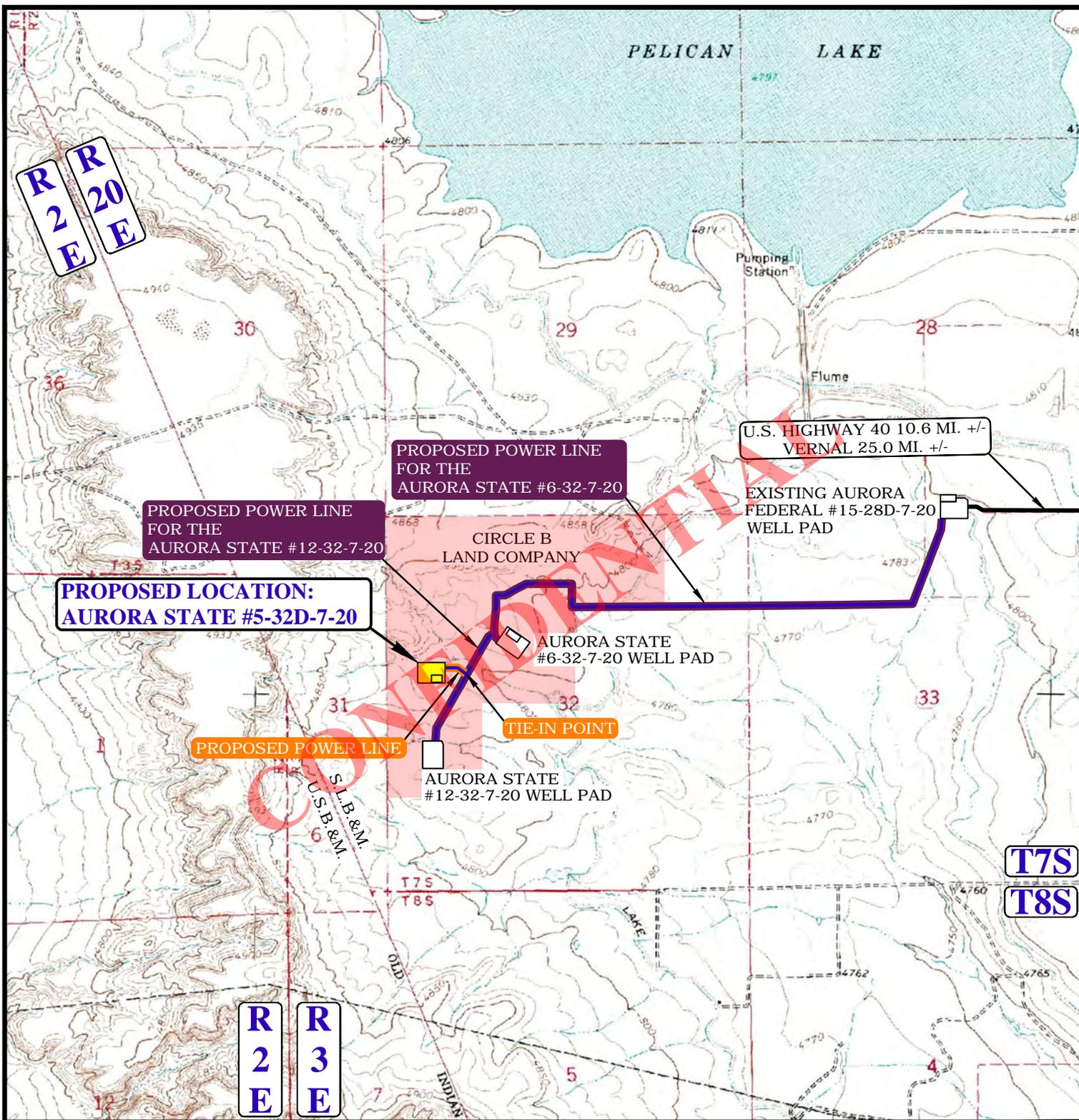
**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**



DRAWN BY: C.M.F.	DATE DRAWN: 07-17-14
SCALE: 1" = 2000'	REV: 00-00-00
PIPELINE MAP	TOPO C



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



APPROXIMATE TOTAL POWER LINE DISTANCE = 349' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

-  EXISTING ROAD
-  PROPOSED ROAD
-  PROPOSED POWER LINE
-  PROPOSED POWER LINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

**AURORA STATE #5-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
2295' FNL 665' FWL**

DRAWN BY: C.M.F.	DATE DRAWN: 07-17-14
SCALE: 1" = 2000'	REV: 00-00-00
POWER LINE MAP	TOPO D



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017





Bill Barrett Corporation

Fort Duchesne
SECTION 32 T7S, R20E
Aurora State 5-32D-7-20

Wellbore #1

Plan: Design #1

Standard Planning Report

08 September, 2014

CONFIDENTIAL





Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 5-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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

Site	SECTION 32 T7S, R20E				
Site Position:		Northing:	11,123,640.10 usft	Latitude:	40° 10' 14.080 N
From:	Lat/Long	Easting:	2,143,801.41 usft	Longitude:	109° 42' 0.460 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.10 °

Well	Aurora State 5-32D-7-20, SHL: 40° 10' 2.720 -109° 42' 0.250					
Well Position	+N/-S	-1,150.5 usft	Northing:	11,122,490.11 usft	Latitude:	40° 10' 2.720 N
	+E/-W	16.3 usft	Easting:	2,143,839.87 usft	Longitude:	109° 42' 0.250 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	4,825.0 usft	Ground Level:	4,812.0 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/8/2014	10.77	65.88	52,072

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	358.30

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,732.5	4.99	358.30	1,732.0	14.5	-0.4	1.50	1.50	0.00	358.30	
5,024.8	4.99	358.30	5,012.0	300.5	-8.9	0.00	0.00	0.00	0.00	
5,357.3	0.00	0.00	5,344.0	315.0	-9.3	1.50	-1.50	0.00	180.00	Aurora State 5-32D-7-
9,076.3	0.00	0.00	9,063.0	315.0	-9.3	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 5-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
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	1.50	358.30	1,500.0	1.3	0.0	1.3	1.50	1.50	0.00	
1,600.0	3.00	358.30	1,599.9	5.2	-0.2	5.2	1.50	1.50	0.00	
1,700.0	4.50	358.30	1,699.7	11.8	-0.3	11.8	1.50	1.50	0.00	
1,732.5	4.99	358.30	1,732.0	14.5	-0.4	14.5	1.50	1.50	0.00	
1,800.0	4.99	358.30	1,799.3	20.3	-0.6	20.3	0.00	0.00	0.00	
1,900.0	4.99	358.30	1,898.9	29.0	-0.9	29.0	0.00	0.00	0.00	
2,000.0	4.99	358.30	1,998.6	37.7	-1.1	37.7	0.00	0.00	0.00	
2,100.0	4.99	358.30	2,098.2	46.4	-1.4	46.4	0.00	0.00	0.00	
2,200.0	4.99	358.30	2,197.8	55.1	-1.6	55.1	0.00	0.00	0.00	
2,300.0	4.99	358.30	2,297.4	63.8	-1.9	63.8	0.00	0.00	0.00	
2,400.0	4.99	358.30	2,397.1	72.5	-2.1	72.5	0.00	0.00	0.00	
2,500.0	4.99	358.30	2,496.7	81.1	-2.4	81.2	0.00	0.00	0.00	
2,600.0	4.99	358.30	2,596.3	89.8	-2.7	89.9	0.00	0.00	0.00	
2,700.0	4.99	358.30	2,695.9	98.5	-2.9	98.6	0.00	0.00	0.00	
2,800.0	4.99	358.30	2,795.5	107.2	-3.2	107.3	0.00	0.00	0.00	
2,900.0	4.99	358.30	2,895.2	115.9	-3.4	116.0	0.00	0.00	0.00	
3,000.0	4.99	358.30	2,994.8	124.6	-3.7	124.6	0.00	0.00	0.00	
3,100.0	4.99	358.30	3,094.4	133.3	-3.9	133.3	0.00	0.00	0.00	
3,200.0	4.99	358.30	3,194.0	142.0	-4.2	142.0	0.00	0.00	0.00	
3,300.0	4.99	358.30	3,293.6	150.7	-4.5	150.7	0.00	0.00	0.00	
3,400.0	4.99	358.30	3,393.3	159.3	-4.7	159.4	0.00	0.00	0.00	
3,500.0	4.99	358.30	3,492.9	168.0	-5.0	168.1	0.00	0.00	0.00	
3,600.0	4.99	358.30	3,592.5	176.7	-5.2	176.8	0.00	0.00	0.00	
3,700.0	4.99	358.30	3,692.1	185.4	-5.5	185.5	0.00	0.00	0.00	
3,800.0	4.99	358.30	3,791.8	194.1	-5.7	194.2	0.00	0.00	0.00	
3,900.0	4.99	358.30	3,891.4	202.8	-6.0	202.9	0.00	0.00	0.00	
4,000.0	4.99	358.30	3,991.0	211.5	-6.3	211.6	0.00	0.00	0.00	
4,100.0	4.99	358.30	4,090.6	220.2	-6.5	220.3	0.00	0.00	0.00	
4,200.0	4.99	358.30	4,190.2	228.9	-6.8	229.0	0.00	0.00	0.00	
4,300.0	4.99	358.30	4,289.9	237.5	-7.0	237.6	0.00	0.00	0.00	
4,400.0	4.99	358.30	4,389.5	246.2	-7.3	246.3	0.00	0.00	0.00	
4,500.0	4.99	358.30	4,489.1	254.9	-7.5	255.0	0.00	0.00	0.00	
4,600.0	4.99	358.30	4,588.7	263.6	-7.8	263.7	0.00	0.00	0.00	
4,700.0	4.99	358.30	4,688.3	272.3	-8.1	272.4	0.00	0.00	0.00	
4,800.0	4.99	358.30	4,788.0	281.0	-8.3	281.1	0.00	0.00	0.00	
4,900.0	4.99	358.30	4,887.6	289.7	-8.6	289.8	0.00	0.00	0.00	
5,000.0	4.99	358.30	4,987.2	298.4	-8.8	298.5	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 5-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,024.8	4.99	358.30	5,012.0	300.5	-8.9	300.7	0.00	0.00	0.00	
5,100.0	3.86	358.30	5,086.9	306.3	-9.1	306.5	1.50	-1.50	0.00	
5,200.0	2.36	358.30	5,186.7	311.7	-9.2	311.9	1.50	-1.50	0.00	
5,300.0	0.86	358.30	5,286.7	314.5	-9.3	314.7	1.50	-1.50	0.00	
5,357.3	0.00	0.00	5,344.0	315.0	-9.3	315.1	1.50	-1.50	0.00	
5,400.0	0.00	0.00	5,386.7	315.0	-9.3	315.1	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,486.7	315.0	-9.3	315.1	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,586.7	315.0	-9.3	315.1	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,686.7	315.0	-9.3	315.1	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,786.7	315.0	-9.3	315.1	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,886.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,986.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,086.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,186.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,286.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,386.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,486.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,586.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,686.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,786.7	315.0	-9.3	315.1	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,886.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,986.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,086.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,186.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,286.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,386.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,486.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,586.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,686.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,786.7	315.0	-9.3	315.1	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,886.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,986.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,086.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,186.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,286.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,386.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,486.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,586.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,686.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,786.7	315.0	-9.3	315.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,886.7	315.0	-9.3	315.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,986.7	315.0	-9.3	315.1	0.00	0.00	0.00	
9,076.3	0.00	0.00	9,063.0	315.0	-9.3	315.1	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 5-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets**Target Name**

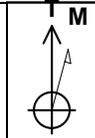
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
Aurora State 5-32D-7-20	0.00	0.00	5,344.0	315.0	-9.3	11,122,804.85	2,143,824.48	40° 10' 5.830 N	109° 42' 0.370 W
- plan hits target center									
- Rectangle (sides W200.0 H200.0 D3,719.0)									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
928.0	928.0	Base Mod Saline Groundwater		0.00	
3,310.4	3,304.0	Green River		0.00	
3,615.5	3,608.0	Top_UGR_Saline_Zone		0.00	
3,866.5	3,858.0	Base_UGR_Saline_Zone		0.00	
4,342.3	4,332.0	Mahogany		0.00	
5,152.2	5,139.0	Pelican Bench		0.00	
5,357.3	5,344.0	TGR3		0.00	
5,443.3	5,430.0	Douglas Creek		0.00	
6,340.3	6,327.0	Black Shale Facies		0.00	
6,462.3	6,449.0	Castle Peak		0.00	
6,706.3	6,693.0	Uteland Butte		0.00	
8,576.3	8,563.0	Wasatch		0.00	
8,576.3	8,563.0	TD		0.00	
9,076.3	9,063.0	APD_TD		0.00	



Well Name: Aurora State 5-32D-7-20
 Surface Location: SECTION 32 T7S, R20E
 North American Datum 1983, US State Plane 1983, Utah Southern Zone
 Ground Elevation: 4812.0
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.0 0.0 11122490.11 2143839.87 40° 10' 2.720 N 109° 42' 0.250 W
 PLAN KB Aurora State 5-32D-7-20 @ 4825.0usft (PLAN KB)



Azimuths to True North
 Magnetic North: 10.77°
 Magnetic Field
 Strength: 52072.4snT
 Dip Angle: 65.88°
 Date: 9/8/2014
 Model: IGRF2010

SECTION 32 T7S, R20E
 Aurora State 5-32D-7-20
 Design #1
 4:26, September 08 2014

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

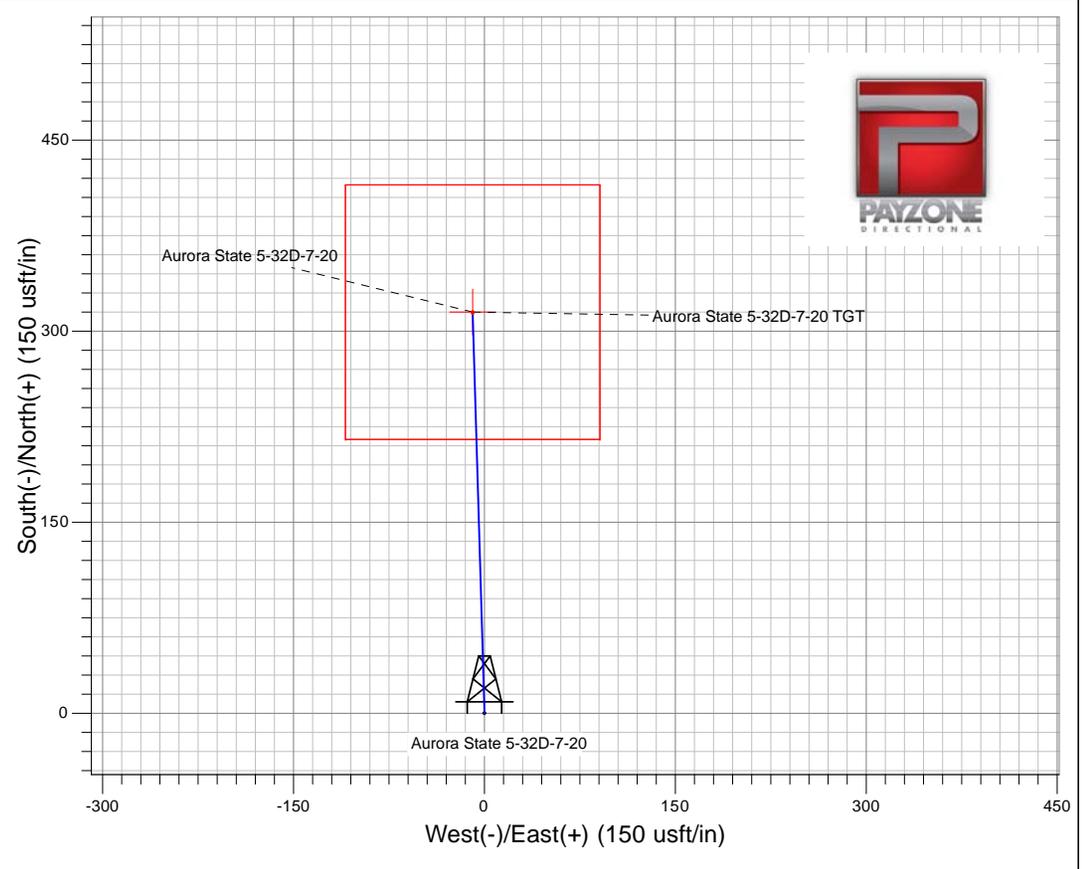
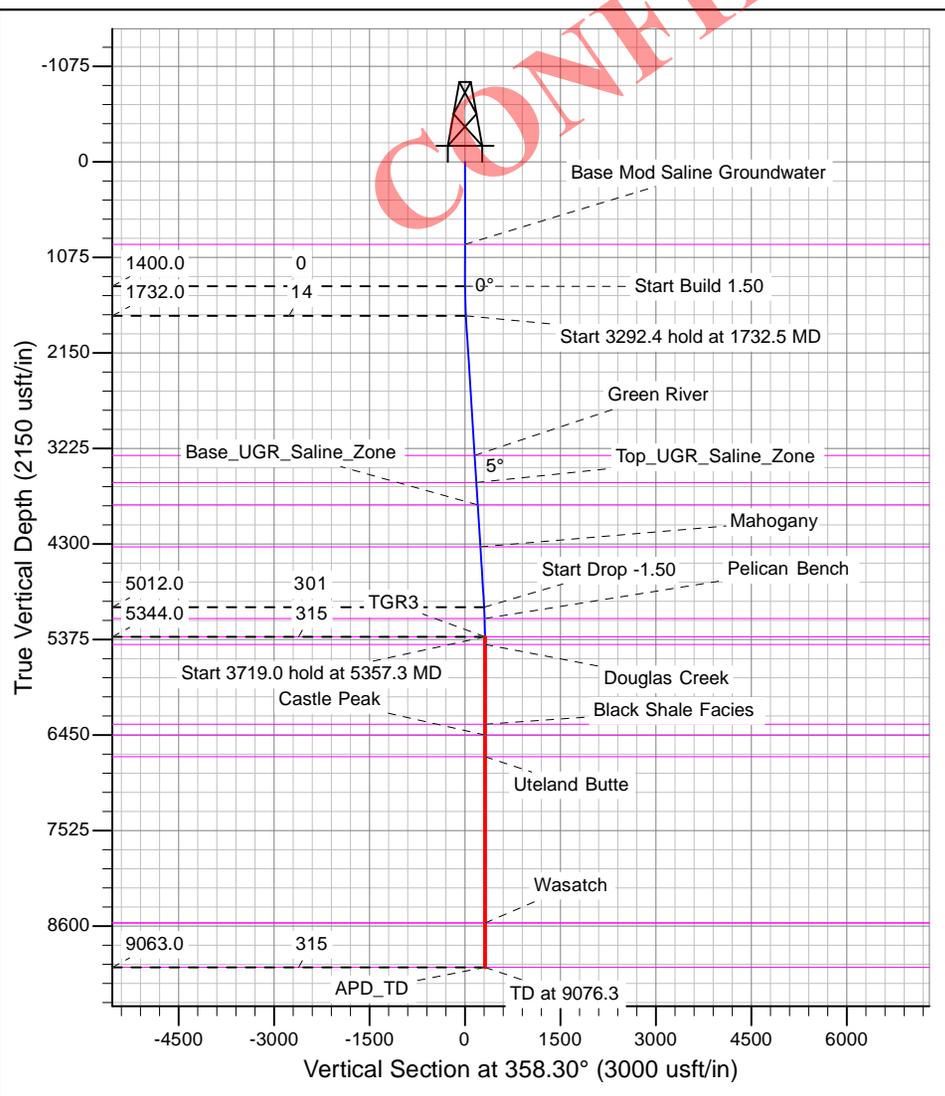
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Aurora State 5-32D-7-20 TGT	9063.0	315.0	-9.3	11122804.85	2143824.49	40° 10' 5.830 N	109° 42' 0.370 W	Rectangle (Sides: L200.0 W200.0)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
928.0	928.0	Base Mod Saline Groundwater	0.00	
3304.0	3310.4	Green River	0.00	
3608.0	3615.5	Top_UGR_Saline_Zone	0.00	
3858.0	3866.5	Base_UGR_Saline_Zone	0.00	
4332.0	4342.3	Mahogany	0.00	
5139.0	5152.2	Pelican Bench	0.00	
5344.0	5357.3	TGR3	0.00	
5430.0	5443.3	Douglas Creek	0.00	
6327.0	6340.3	Bl. Shale Facies	0.00	
6449.0	6462.3	Castle Peak	0.00	
6693.0	6706.3	Uteland Butte	0.00	
8563.0	8576.3	TD	0.00	
8563.0	8576.3	Wasatch	0.00	
9063.0	9076.3	APD_TD	0.00	

SECTION DETAILS

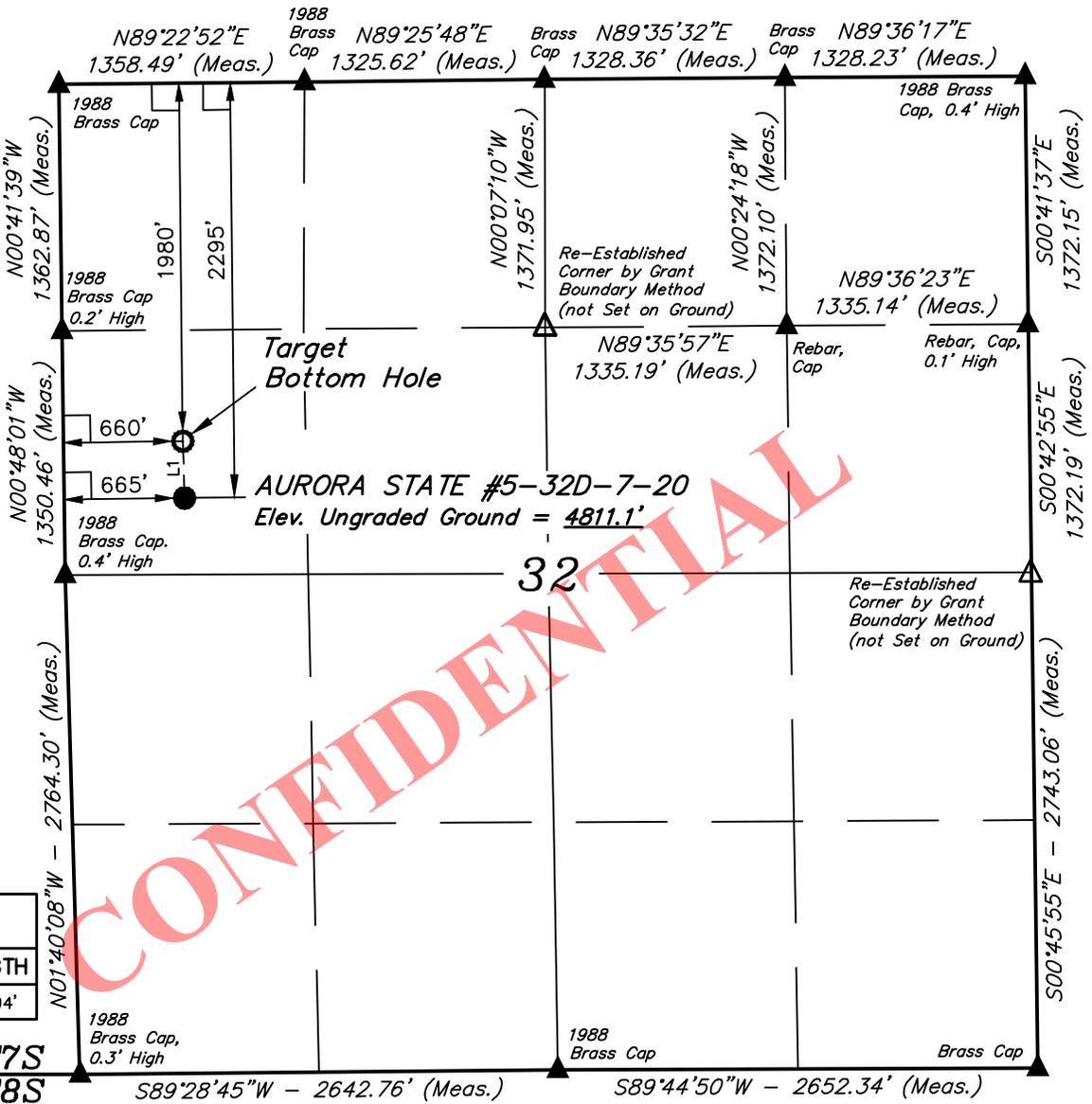
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1732.5	4.99	358.30	1732.0	14.5	-0.4	1.50	358.30	14.5	
4	5024.8	4.99	358.30	5012.0	300.5	-8.9	0.00	0.00	300.7	
5	5357.3	0.00	0.00	5344.0	315.0	-9.3	1.50	180.00	315.1	Aurora State 5-32D-7-20 TGT
6	9076.3	0.00	0.00	9063.0	315.0	-9.3	0.00	0.00	315.1	



T7S, R20E, S.L.B.&M.

LEGEND:

- ☐ = 90° SYMBOL
- = PROPOSED WELLHEAD.
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N01°43'32\"W	314.94'



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'05.83\" (40.168286)	LATITUDE = 40°10'02.72\" (40.1674222)
LONGITUDE = 109°42'00.37\" (109.700103)	LONGITUDE = 109°42'00.25\" (109.700069)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°10'05.96\" (40.168322)	LATITUDE = 40°10'02.85\" (40.167458)
LONGITUDE = 109°41'57.87\" (109.699408)	LONGITUDE = 109°41'57.75\" (109.699375)

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

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.



CERTIFICATE

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



BILL BARRETT CORPORATION

AURORA STATE #5-32D-7-20
SW 1/4 NW 1/4, SECTION 32, T7S, R20E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY: R.R., C.W.	SURVEY DATE: 07-16-14
DRAWN BY: J.M.C.	DATE DRAWN: 08-06-14
SCALE: 1" = 1000'	REVISED: 00-00-00

WELL LOCATION PLAT



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Entry 2012007373
Book 1290 Page 752 \$10.00
20-AUG-12 04:14
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
SUNRISE TITLE COMPANY
550 E 200 N (118-3) ROOSEVELT, UT 8
Rec By: HEATHER COON, DEPUTY

Sunrise Title Company
550 East 200 North 118-3
Roosevelt, Utah 84066
File #: 112412

Mail Tax Notice To:
BILL BARRETT CORPORATION
1099 18th Street #2300
Denver, CO 80202

S/N 08:031:0004

Entry 2012007373
Book 1290 Page 752

WARRANTY DEED

REED B. MADSEN AND VICKI L. MADSEN AS TRUSTEES OF THE REED B. AND VICKI L. MADSEN TRUST DATED JANUARY 27, 2012, grantors of Salt Lake City, County of Salt Lake, State of Utah, hereby CONVEY and WARRANT to

BILL BARRETT CORPORATION,

grantees of Denver,, State of Colorado, for the sum of TEN AND NO/100 DOLLARS, and other good and valuable considerations, the following described tract of land in UINTAH County, State of Utah:

**TOWNSHIP 7 SOUTH, RANGE 20 EAST, SALT LAKE BASE AND MERIDIAN
SECTION 32: Northwest Quarter Northeast Quarter; Northwest Quarter; Northwest Quarter
Southwest Quarter.**

INCLUDING all improvements and appurtenances thereto belonging.

SUBJECT TO rights-of-way and easements of record and/or enforceable in law and equity.

EXCEPTING AND RESERVING all gas, oil and other minerals.

WITNESS, the hand of said grantors, this 10th day of August, A. D. 2012.

**THE REED B. AND VICKI L. MADSEN
TRUST DATED JANUARY 27, 2012 by:**

Reed B. Madsen
REED B. MADSEN, TRUSTEE

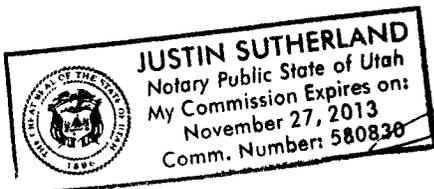
Vicki L. Madsen
VICKI L. MADSEN, TRUSTEE

STATE OF UTAH

COUNTY OF Salt Lake

)ss

On this 10th day of August, 2012 before me, the undersigned Notary Public in and for said County and State, personally appeared **REED B. MADSEN AND VICKI L. MADSEN AS TRUSTEES OF THE REED B. AND VICKI L. MADSEN TRUST DATED JANUARY 27, 2012** [() personally known to me] [proved to me on the basis of satisfactory evidence] to be the persons whose names have subscribed to this instrument and acknowledged to me that they executed it.

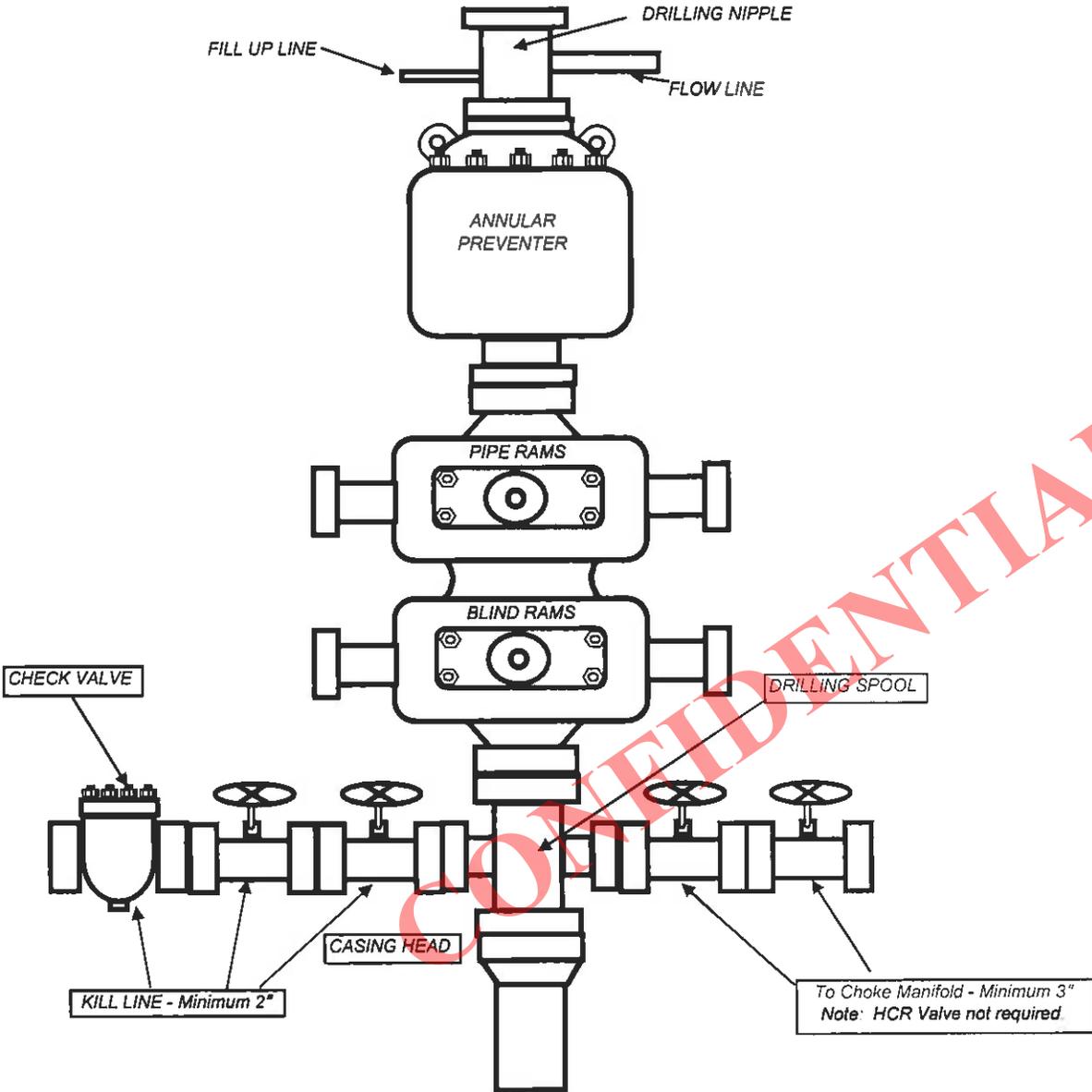


Witness my hand and official seal

[Signature]
Notary Public in and for said County and State

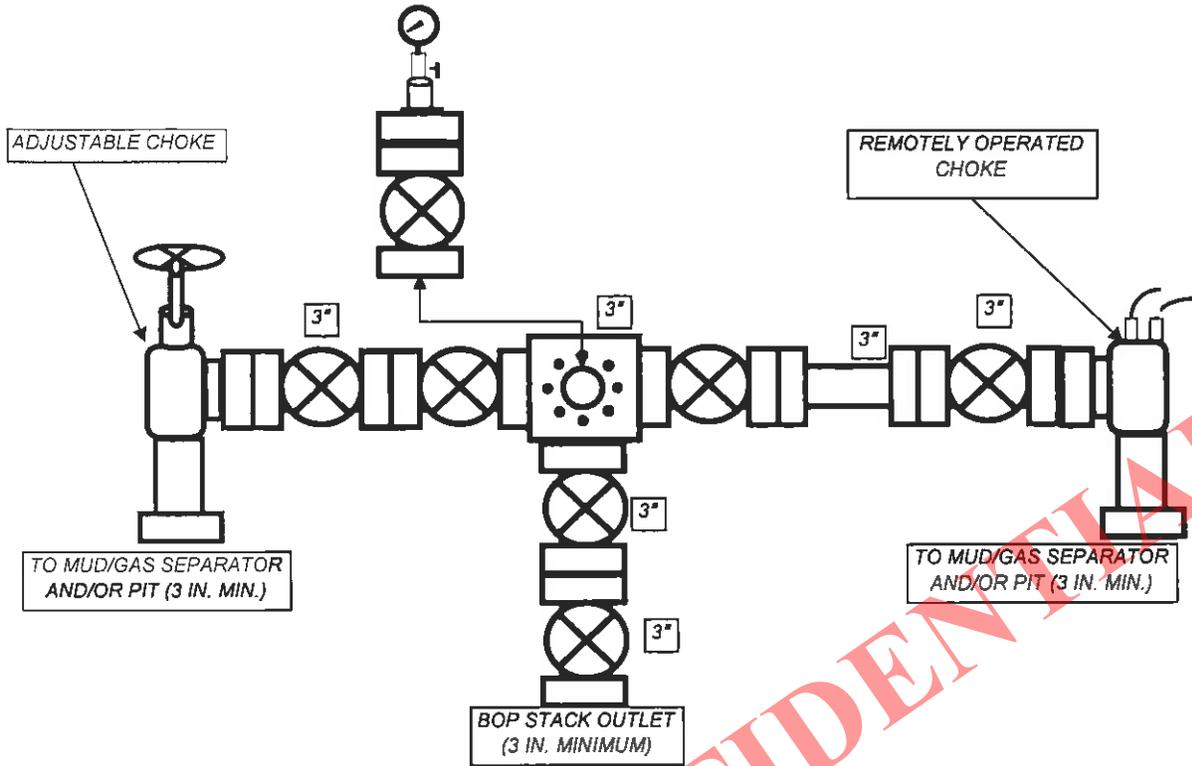
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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





October 22, 2014

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

RE: Commingling Application
Aurora State 5-32D-7-20
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.

Regards,

A handwritten signature in black ink that reads 'Brady Rinyar' with a small flourish at the end.

Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

CONFIDENTIAL

Enclosures



October 22, 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 State 5-32D-7-20
SWNW, Section 32 T7S-R20E
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.

Regards,

Brady Riley for

Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

Enclosures



AFFIDAVIT OF NOTICE

My name is Kevin T. Funk. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within our East Bluebell Field:

Aurora State 5-32D-7-20 SWNW Section 32 T7S-R20E

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

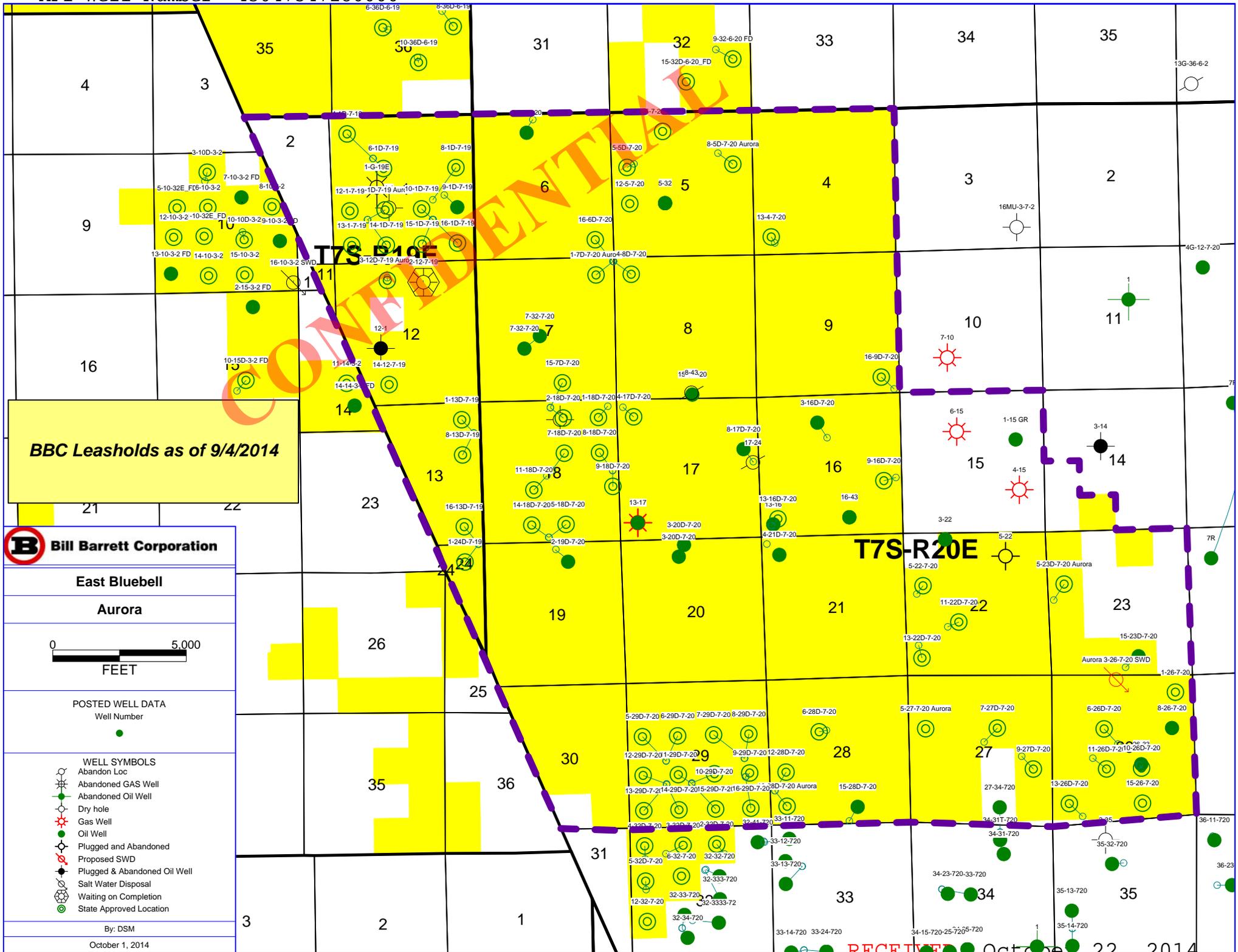
Date: October 22, 2014

Affiant

A handwritten signature in black ink that reads 'Brady R. Funk'.

Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

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BBC Leasholds as of 9/4/2014

Bill Barrett Corporation

East Bluebell

Aurora



POSTED WELL DATA
Well Number

- WELL SYMBOLS
- Abandon Loc
- Abandoned GAS Well
- Abandoned Oil Well
- Dry hole
- Gas Well
- Oil Well
- Plugged and Abandoned
- Proposed SWD
- Plugged & Abandoned Oil Well
- Salt Water Disposal
- Waiting on Completion
- State Approved Location

By: DSM
October 1, 2014

RECEIVED October 22, 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 State 5-32D-7-20
East Bluebell Area
Surface: 2295' FNL and 665' FWL, Sec. 32, 7S-20E SLM
Bottom Hole: 1980' FNL and 660' FWL, Sec. 32, 7S-20E SLM

Uintah County, Utah

Dear Ms. Mason,

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

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under ML-49956.
- 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,



Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

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Well Name	BILL BARRETT CORP AURORA STATE 5-32D-7-20 43047547280000			
String	COND	SURF	PROD	
Casing Size(")	16.000	8.625	5.500	
Setting Depth (TVD)	80	1200	9063	
Previous Shoe Setting Depth (TVD)	0	80	1200	
Max Mud Weight (ppg)	8.7	8.7	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	4477		9.5	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	36	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	26	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	18	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	18	NO
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

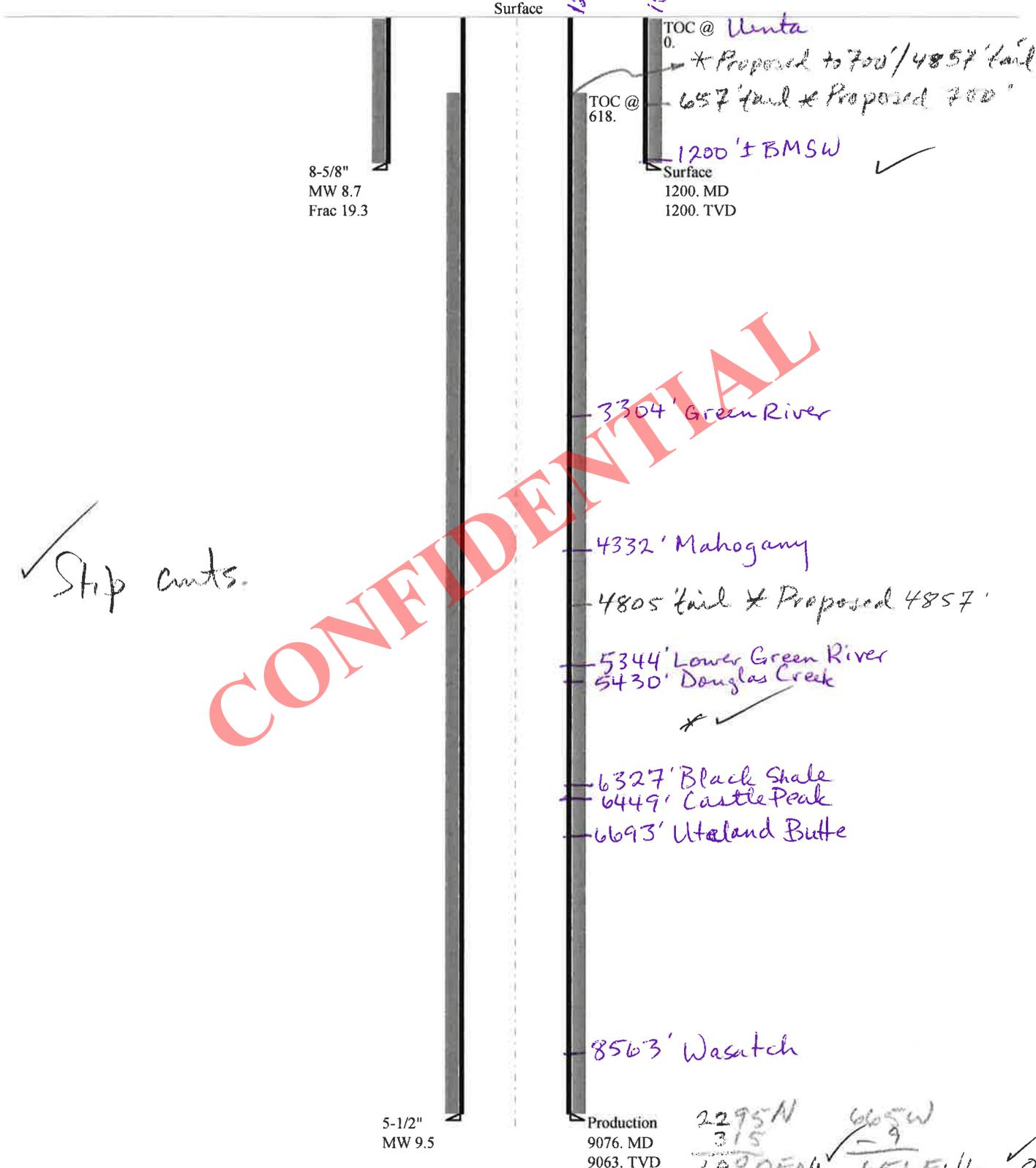
Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	543	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	399	YES rotating head or diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	279	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	297	NO OK
Required Casing/BOPE Test Pressure=		1200	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4477	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3389	YES 5M BOPE with dbl rams, annular preventer, drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2483	YES spool, choke & kill lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2747	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1200	psi *Assumes 1psi/ft frac gradient

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

43047547280000 Aurora State 5-32D-7-20

Casing Schematic



✓ Strip cuts.

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2295N	665W
315	9
-----	-----
1980FNL	656FWL ✓ on ✓

Well name:	43047547280000 Aurora State 5-32D-7-20		
Operator:	BILL BARRETT CORP		
String type:	Surface	Project ID:	43-047-54728
Location:	UINTAH COUNTY		

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 91 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,056 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 1,200 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
 Neutral point: 1,043 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,063 ft
 Next mud weight: 9.500 ppg
 Next setting BHP: 4,473 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 1,200 ft
 Injection pressure: 1,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1200	8.625	24.00	J-55	ST&C	1200	1200	7.972	6178
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	542	1370	2.526	1200	2950	2.46	25	244	9.74 J

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

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

Date: October 2, 2014
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1200 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047547280000 Aurora State 5-32D-7-20		
Operator:	BILL BARRETT CORP		
String type:	Production	Project ID:	43-047-54728
Location:	UINTAH COUNTY		

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 201 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,000 ft

Cement top: 618 ft

Burst

Max anticipated surface pressure: 2,479 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 4,473 psi

No backup mud specified.

Tension:

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

Tension is based on buoyed weight.
 Neutral point: 7,770 ft

Directional Info - Build & Drop

Kick-off point 1400 ft
 Departure at shoe: 315 ft
 Maximum dogleg: 1.5 °/100ft
 Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9076	5.5	17.00	I-80	LT&C	9063	9076	4.767	101833
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4473	6290	1.406	4473	7740	1.73	131.9	320	2.43 J

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

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

Date: October 2, 2014
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9063 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name AURORA STATE 5-32D-7-20
API Number 43047547280000 **APD No** 10253 **Field/Unit** THREE RIVERS
Location: 1/4,1/4 SWNW **Sec** 32 **Tw** 7.0S **Rng** 20.0E 2295 FNL 665 FWL
GPS Coord (UTM) 610692 4447155 **Surface Owner** BILL BARRETT CORP/CIRCLE B LAND

Participants

Whitney Szabo (permit contractor), Zack Garner and Jake Woodland (BBC), Cody Rich (surveyor), Terra Miller (land contractor)

Regional/Local Setting & Topography

This site is on a generally flat plain just over a mile south of Pelican Lake. Although near Pelican Lake, drainage here is to the east toward the Green River approximately 4 miles to the south east. To the south lie desert badlands and to the north and east are irrigated croplands. This area is becoming highly developed for oil and gas production.

Surface Use Plan

Current Surface Use

Grazing

New Road

Miles

0.07

Well Pad

Width 300 Length 400

Src Const Material

Offsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Mat Atriplex, sparse to no grass or other vegetation

Soil Type and Characteristics

Loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? N

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

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	TDS>5000 and	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		20 1 Sensitivity Level

Characteristics / Requirements

The reserve pit as proposed is 155' x 107' x 10' deep and is placed in a cut stable location. According to Bill Barrett Corporation representative Zack Garner a 20 mil reserve pit liner and felt subliner is standard equipment on all BBC reserve pits 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
Evaluator9/17/2014
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
10253	43047547280000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	BILL BARRETT CORP/CIRCLE B LAND	
Well Name	AURORA STATE 5-32D-7-20		Unit		
Field	THREE RIVERS		Type of Work	DRILL	
Location	SWNW 32 7S 20E S 2295 FNL 665 FWL GPS Coord (UTM) 610702E 4447153N				

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 1,200 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 1,200 feet. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the proposed location. Wells in the area are listed for domestic use, irrigation, oil field use and stock watering. Depths of the wells ranges from 16 to 300 feet. Listed wells probably produce from alluvial sediments and the Uinta Formation. The surface formation at this site is the Uinta Formation and associated alluvium. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Wells in the alluvial sediments are probably a more significant source of ground water. The proposed casing and cement should adequately protect any useable ground water.

Brad Hill
APD Evaluator

10/2/2014
Date / Time

Surface Statement of Basis

This proposed well site is on land owned by Circle B Land Co which is owned by Bill Barrett Corporation. Mineral ownership belongs to the State of Utah. Bill Barrett representatives Zack Garner and Jake Woodland were in attendance to represent both the production company and surface owner. This well is in a flat desert area about 1.5 miles south of Pelican which is becoming highly developed for oil and natural gas production. Toward the south and west sparsely vegetated desert shrublands continue along with further proposed oilfield development. Development is also high to the north and east but is here interspersed with irrigated cropland. There is a reserve pit proposed in a cut and stable location and according to Zack Garner BBC will use a 20 mil pit liner and felt subliner. This liner program appears adequate for the site. This site is flat and appears well suited for placement of this well. No drainages are affected by placement of this proposed well pad.

Richard Powell
Onsite Evaluator

9/17/2014
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 well site shall be bermed to prevent fluids from entering or leaving the pad.

Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/8/2014

API NO. ASSIGNED: 43047547280000

WELL NAME: AURORA STATE 5-32D-7-20

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNW 32 070S 200E

Permit Tech Review:

SURFACE: 2295 FNL 0665 FWL

Engineering Review:

BOTTOM: 1980 FNL 0660 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.16745

LONGITUDE: -109.69994

UTM SURF EASTINGS: 610702.00

NORTHINGS: 4447153.00

FIELD NAME: THREE RIVERS

LEASE TYPE: 3 - State

LEASE NUMBER: ML 49956

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

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:

- 1 - Exception Location - bhll
- 3 - Commingling - ddoucet
- 5 - Statement of Basis - bhll
- 12 - Cement Volume (3) - hmacdonald
- 15 - Directional - dmason
- 23 - Spacing - dmason
- 25 - Surface Casing - hmacdonald



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: AURORA STATE 5-32D-7-20
API Well Number: 43047547280000
Lease Number: ML 49956
Surface Owner: FEE (PRIVATE)
Approval Date: 11/12/2014

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

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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:

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).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 700' MD and tail cement to 500' above top of Lower Green River as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours

- Dan Jarvis 801-538-5338 - office
 801-231-8956 - after office hours

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047547280000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: THREE RIVERS COUNTY: UINTAH STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 12/15/2014	<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"/> 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	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well was spud on 12/15/14 at 8:00 am by Triple A Drilling, Rig #TA 4037, Rig Type Soilmec SR/30. Drilling will resume 1/10/2014		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 16, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 12/16/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047547280000
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: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: THREE RIVERS COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/31/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No monthly drilling to report, well spud on 12/15/2014

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 05, 2015

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 1/5/2015	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330
_Submitted By Pat Clark Phone Number 303-353-5374
Well Name/Number Aurora State 5-32D-7-20
Qtr/Qtr SW/NW Section 32 Township 7S Range 20E
Lease Serial Number 41649956
API Number 43-047-547280000

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 1-14-15 2300 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 7420' of 5 1/2", 17#, I-80, LTC csg.

—

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956	
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
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9. FIELD and POOL or WILDCAT: THREE RIVERS	4. LOCATION OF WELL FOOTAGES AT SURFACE: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S
COUNTY: UINTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2015	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the January 2015 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 06, 2015

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 2/5/2015	


Aurora State 05-32D-7-20 1/5/2015 10:00 - 1/6/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
10:00	5.00	15:00	1	RIGUP & TEARDOWN	MOVE RIG FROM THE AURORA STATE 4-32D-7-20, RIG 100% ON LOCATION @ 3:00 SET RIG AND CAMPS INTO PLACE RASE DERRICK
15:00	6.00	21:00	1	RIGUP & TEARDOWN	RIG UP RIG,
21:00	1.50	22:30	1	RIGUP & TEARDOWN	CUT AND SLIP DRILL LINE
22:30	2.50	01:00	1	RIGUP & TEARDOWN	RIG UP CONDUCTOR, FLOW LINE FILL PITS INSTALL BOOM RIG ON DAY WORK @ 0000
01:00	2.50	03:30	8	REPAIR RIG	WORK ON SWIVEL MOTOR WOULD NOT START
03:30	2.00	05:30	1	RIGUP & TEARDOWN	MAKE UP TOP DRIVE, RIG UP FLOOR, STRAP B.H.A
05:30	0.50	06:00	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS

Aurora State 05-32D-7-20 1/6/2015 06:00 - 1/7/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	20	DIRECTIONAL WORK	FINISH PICKING UP DIRECTIONAL TOOLS, REAMERS & SHOCK SUB
07:30	12.00	19:30	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 90'-1231' (1141') 101' FPH AVG GPM=543 TOPDRIVE RPM=50 MOTOR RPM=93 TOTAL RPM= 143 WT ON BIT=20K OFF BOTTOM PRESSURE=1456 PSI DIFF PRESS=150-400 PSI
19:30	0.50	20:00	5	COND MUD & CIRC	CIRCULATE AROUND SWEEP
20:00	2.00	22:00	6	TRIPS	SHORT TRIP TO THE 8" THEN BACK TO BOTTOM
22:00	0.50	22:30	5	COND MUD & CIRC	CIRULATE AROUND SWEEP
22:30	2.50	01:00	6	TRIPS	LAY DOWN DRILL PIPE AND B.H.A
01:00	1.50	02:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS
02:30	2.00	04:30	21	OPEN	PREP FLOOR FOR 8 5/8 CASING RUN
04:30	1.50	06:00	12	RUN CASING & CEMENT	RUN 8 5/8 CASING J-55 24# ST&C AS FOLLOWS 1 SHOE 1 JOINT 1 FLOAT 27 JOINTS

Aurora State 05-32D-7-20 1/7/2015 06:00 - 1/8/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	12	RUN CASING & CEMENT	Finish running surf csg.
06:30	1.00	07:30	5	COND MUD & CIRC	C&C f/cmt.
07:30	3.50	11:00	12	RUN CASING & CEMENT	Cement well as follows: Pump 10 bbl H2O spacer, 40 bbl Super Flush @ 10 ppg, 10 bbl H2O spacer. Pump lead cmt 220 sx (105 bbls) Varicem @ 11.5 ppg, 2.69 yld, 16.44 gps H2O. Tail in w/310 sx (76 bbls) @ 14.8 ppg, 1.38 yld, 6.66 gps H2O.Drop plug, displace w/ 75 bbls H2O, max press 407, bump plug to 964 psi, fits held, bled back 2 bbls.
11:00	2.00	13:00	13	WAIT ON CEMENT	W.O.C.
13:00	1.00	14:00	12	RUN CASING & CEMENT	Ran 100' 1" pipe down annulus.Top out w/ 20 sx "G" cmt @ 15.8 ppg, 1.16 yld, 5.01 gps H2O, 2% calcium chloride. Hole stood full. RD cementers.
14:00	3.00	17:00	21	OPEN	RD flow tee, cut off csg, weld on 11", 5MX8 5/8" SOW casinghead.
17:00	3.50	20:30	14	NIPPLE UP B.O.P	NUBOP.
20:30	3.50	00:00	15	TEST B.O.P	Test BOPE.
00:00	0.50	00:30	21	OPEN	Install wear bushing.
00:30	2.00	02:30	20	DIRECTIONAL WORK	PU dir tools, scribe.
02:30	2.50	05:00	6	TRIPS	Tih, tag cmt @ 1160'.
05:00	0.50	05:30	7	LUBRICATE RIG	Rig Service.
05:30	0.50	06:00	21	OPEN	Thaw out flow line.

Aurora State 05-32D-7-20 1/8/2015 06:00 - 1/9/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	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	21	OPEN	Drill cmt, fit equip. Drill 20' new hole to 1251'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	0.50	07:30	21	OPEN	Spot pill, perform F.I.T. to 134 psi f/10.5 EMW.
07:30	22.50	06:00	2	DRILL ACTUAL	Steerable drlg 1251' - 4019'. Wob 24k, spp 1850 psi, dp 550 psi, gpm 420, torque 8500, rpm 60/122, rop 124 BOP drill daylight & morning tour - function pipe rams and super choke.

Aurora State 05-32D-7-20 1/9/2015 06:00 - 1/10/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	COMPLETION	7,420.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable drlg 4019' - 4931'. Wob 24k, spp 1850 psi, dp 550 psi, gpm 420, torque 8500, rpm 60/122, rop 87 fph. Took CO2 kick @ 4200', raised MW to 9.5 ppg.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig service.
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable drlg 4931' - 5889'. Wob 24k, spp 1850 psi, dp 550 psi, gpm 420, tqe 8500, rpm 60/122, rop 74 fph. Sweeping hole every 90' w/15 ppb Strata Flex fine.

Aurora State 05-32D-7-20 1/10/2015 06:00 - 1/11/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	COMPLETION	7,420.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	Steerable drlg 5889' - 6499'. Wob 24k, spp 1850 psi, dp 550 psi, gpm 420, tqe 8500, rpm 60/122, rop 76 fph. Sweep hole every 90' w/15 ppb Strata Flex fine.
14:00	0.50	14:30	21	OPEN	Work tight hole.
14:30	15.50	06:00	2	DRILL ACTUAL	Steerable drlg 6499' - 7170'. Wob 24k, spp 1850 psi, dp 550 psi, gpm 420, tqe 9500, rpm 60/122, rop 43 fph. Sweep hole every 90' w/15 ppb Strata Flex fine.

Aurora State 05-32D-7-20 1/11/2015 06:00 - 1/12/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	COMPLETION	7,420.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.50	14:30	2	DRILL ACTUAL	Steerable drlg 7170' - 7420'. Wob 28k, spp 1950 psi, dp 250 psi, gpm 420, tqe 9500, rpm 55/122, rop 29 fph. TD hole @ 7420'.
14:30	1.50	16:00	5	COND MUD & CIRC	Sweep hole, C&C mud f/ST.
16:00	2.00	18:00	6	TRIPS	ST to shoe. Pull 5 jts wet, flow check, pump pill. STto 4769', well started flowing.
18:00	2.00	20:00	5	COND MUD & CIRC	C&C mud, circ bubble out, raise mw to 10 ppg.
20:00	2.00	22:00	6	TRIPS	Tih to td.
22:00	4.00	02:00	5	COND MUD & CIRC	C&C mud, circ gas out, raise mud system to 10.1 ppg. Flow check.
02:00	4.00	06:00	6	TRIPS	ST to shoe (@ 2700' @ report time). No flow.

Aurora State 05-32D-7-20 1/12/2015 06:00 - 1/13/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	COMPLETION	7,420.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	6	TRIPS	Finish ST. XO rot rubber.
11:00	2.00	13:00	5	COND MUD & CIRC	Sweep hole, C&C f/logs.
13:00	5.50	18:30	6	TRIPS	Toh f/logs. Pull 5 jts wet, flow check, pump pill.
18:30	1.50	20:00	20	DIRECTIONAL WORK	LD dir tools, mm, bit.
20:00	10.00	06:00	11	WIRELINE LOGS	HSM. RU Weatherford WL. PU logging tools, tih, bridged off @ 6660'. Log well to surf from there.

Aurora State 05-32D-7-20 1/13/2015 06:00 - 1/14/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	COMPLETION	7,420.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	11	WIRELINE LOGS	RD loggers.
06:30	5.50	12:00	6	TRIPS	Tih w/tricone.
12:00	1.50	13:30	3	REAMING	W&R 7120' - 7420'.
13:30	1.50	15:00	5	COND MUD & CIRC	Sweep hole, C&C mud f/logs, raise mw to 10.1 ppg.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	3.00	18:00	6	TRIPS	ST to 6000'. Hole extremely sticky, had to backream to 6900'. W&R f/6000' back to bottom.
18:00	1.50	19:30	5	COND MUD & CIRC	Sweep hole, C&C mud. Raise mw to 10.25 ppg
19:30	5.50	01:00	6	TRIPS	Toh f/logs.
01:00	5.00	06:00	11	WIRELINE LOGS	HSM. RU Weatherford, log well. Logs bridged out @ 7320'. Log monopole sonic, Quad combo back up to previously logged interval @ 6660'.

Aurora State 05-32D-7-20 1/14/2015 06:00 - 1/15/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	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	11	WIRELINE LOGS	Finish logging. RD loggers.
08:30	5.00	13:30	6	TRIPS	Tih w/tricone.
13:30	1.00	14:30	3	REAMING	W&R 7300' - TD.
14:30	2.00	16:30	5	COND MUD & CIRC	Sweep hole, C&C mud f/csg.
16:30	1.00	17:30	6	TRIPS	Toh w/5 jts.
17:30	1.00	18:30	5	COND MUD & CIRC	Spot 140 bbl Strata pill w/15 ppb Strata Vanguard and 15 ppb Strata Flex medium f/3500' - 5500'. Pump dry job.
18:30	5.00	23:30	6	TRIPS	Toh f/csg.
23:30	0.50	00:00	21	OPEN	Pull wear bushing.
00:00	5.50	05:30	12	RUN CASING & CEMENT	RU and run 5 1/2", 17#, I-80, LTC csg as follows: Fit shoe, 2 jts csg, fit collar, 20 jts csg, MJ @ 6451', 25 jts csg, MJ @ 5346', 123 jts csg.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig service.

Aurora State 05-32D-7-20 1/15/2015 06:00 - 1/16/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	12	RUN CASING & CEMENT	Finish running csg, tag bottom @ 7420'.
09:00	2.00	11:00	5	COND MUD & CIRC	C&C. LD tag jt, land csg w/landing jt & mandrel. Pump 40 bbl Strata pill w/20 ppb Strat Vanguard, 20 ppb Strata Flex fine.
11:00	2.50	13:30	12	RUN CASING & CEMENT	HSM. RU HES, pump cement as follows: Press test to 3000 psi, pump 40 bbl tuned spacer @ 10.6 ppg, 5.22 yld, 32.6 gps H2O, 10 bbl H2O spacer, 20 bbl Super flush @ 10 ppb, 10 bbl H2O spacer. Mix and pump 345 sx (144 bbls) Tuned lite lead cement @ 11 ppg, 2.34 yld, 10.11 gps H2O, tail in with 620 sx ((160 bbls) Expandacem @ 13.5 ppg, 1.45 yld, 6.91 gps H2O. Wash up to pit, drop top plug, displace w/ 170 bbls Claweb/Aldacide H2O @ 8.33 ppg. Max press 1475 psi, bump plug to 2100 psi. Bled back 1 bbl, floats held, RD HES. Full returns through tail, 1/2 on displacement, 20 bbls cmt to surface. Notified UDOGM & BBC regulatory of csg & cmt job 1-13-15.
13:30	1.00	14:30	21	OPEN	Set packoff and test.
14:30	3.50	18:00	21	OPEN	NDBOPE, clean pits. Rig released @ 18:00.

Aurora State 05-32D-7-20 1/18/2015 06:00 - 1/19/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	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 State 05-32D-7-20 1/21/2015 06:00 - 1/22/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	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 CUTTERS. HSM. RIH W/GR/JB TO TAG FILL AT 7302', RIH W/CBL & LOG FROM 7300' DRLG SHOWS FC AT 7337' (HAVE 35' FILL). LOG SHOWS CMT-- TD-5300' GOOD, 5300'-4150' FAIR, 4150'-3850' GOOD, 3850'-2800' GOOD/FAIR, 2800'-1950' POOR. ELOG CORRELATED TO WEATHERFORD COMPACT QUAD COMBO QUICK LOOK LOG. MARKER JTS AT 5332'-5354' AND 6440'-6462'. LOGGED WITH OUT PRESSURE. LOCK & SECURE WELL. RDMO CUTTERS.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	
8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20	
9. API NUMBER: 43047547280000	
9. FIELD and POOL or WILDCAT: THREE RIVERS	
COUNTY: UINTAH	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047547280000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	9. FIELD and POOL or WILDCAT: THREE RIVERS
PHONE NUMBER: 303 312-8134 Ext	COUNTY: UINTAH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/28/2015	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the February 2015 Drilling Activity for this well.

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

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/2/2015	


Aurora State 05-32D-7-20 2/26/2015 06:00 - 2/27/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,420.0	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. SET & R/U FB PACKAGE. 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. FRAC LINE SET 50-500'S AND 4-600'S. FILLING FRAC LINE.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047547280000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: THREE RIVERS	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/19/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
THIS WELL HAD FIRST PRODUCTION AND FIRST GAS SALES ON 3/19/2015			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 23, 2015			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 3/23/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047547280000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: THREE RIVERS
		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/23/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="border: 1px solid black;" type="text" value="SITE FACILITY DIAGRAM"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM FOR THIS PAD.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 24, 2015		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/23/2015	

Sundry Number: 61701 API Well Number: 43047547280000

BILL BARRETT CORPORATION

FEE/STATE

Aurora State 5-32D-7-20

SW ¼ NW ¼ Sec 32, T7S, R20E,

Lease # ML 49956

API # 43-047-54728

Utah Co. Utah

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

1 - 4" LOAD LINE

Production Phase - sealed closed

Sales Phase - open to load Production bought

2 - 3" OIL LINES

Production Phase - open

Sales Phase - sealed close

3 - 4" DRAIN

Production Phase - sealed closed

Sales Phase - sealed closed

Drain water - open

4 - 4" UPPER EQUALIZER

Production Phase - open

Sales Phase - sealed close

5 - BYPASS

6 - 3" WATER LINES

Production Phase - open

No Sales Phase

7 - 2" RECYCLE

Production - open

Sales - sealed closed

8 - 2" WATER TANK SKIM

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

Entrance →

25'

35'

85'

Containment 1 ft. high
 Volume 1897 BBL

Underground lines

Underground Electric lines

75'

30'

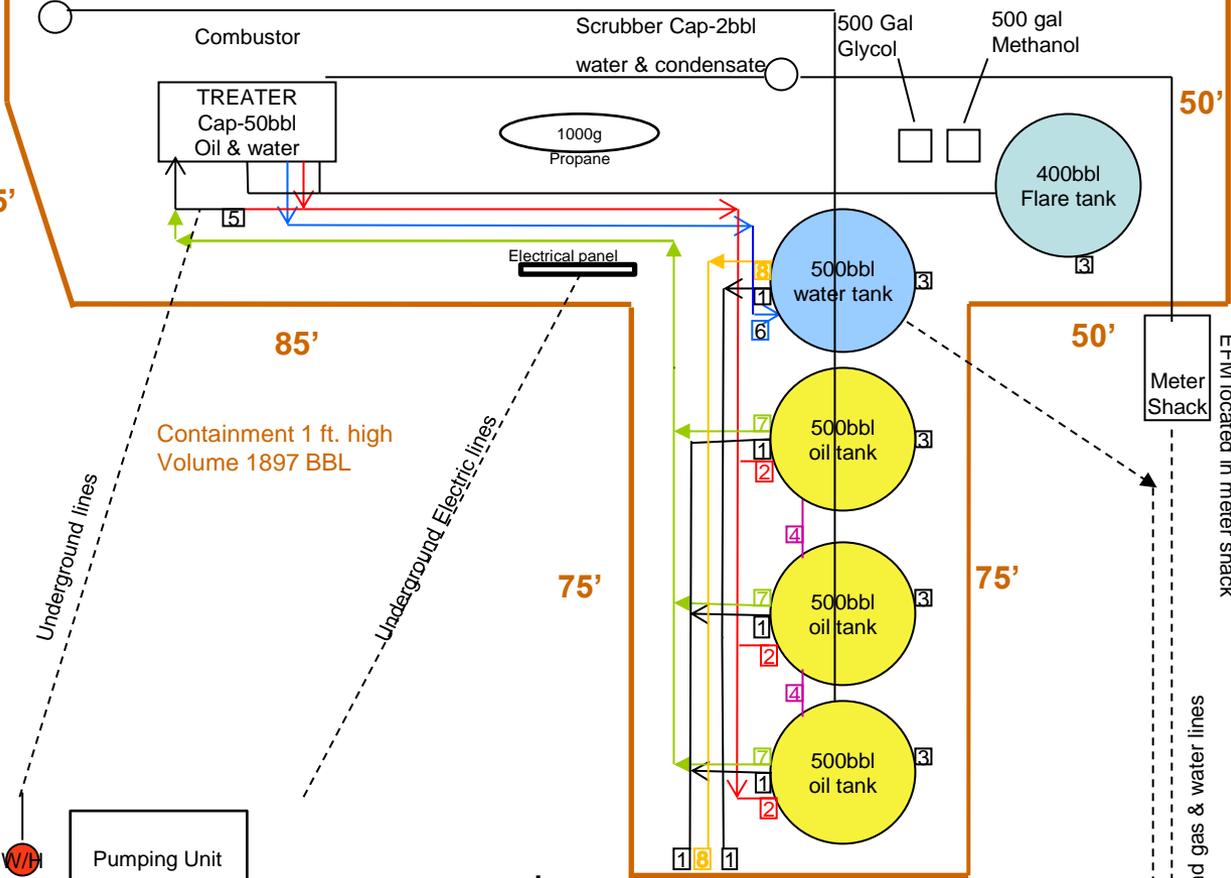
North ↓

Surface Drainage to East.

175'

EFM located in meter shack

Underground gas & water lines



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047547280000
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: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: THREE RIVERS COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/1/2015	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the March 2015 Drilling Activity for this well.

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

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/1/2015	

**Aurora State 05-32D-7-20 3/14/2015 06:00 - 3/15/2015 06:00**

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	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 WILLIES FRAC HEATERS, HEAT FRAC LINE TO 100* (50-500S & 4-600S)

Aurora State 05-32D-7-20 3/15/2015 06:00 - 3/16/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	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	1.50	08:30	SRIG	Rig Up/Down	MIRU CUTTERS W/ 5" 10K LUBE.
08:30	1.00	09:30	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 60 PSI. RIH AND CORRELATE TO SJ AT 5332'-5354' AND 6440'-6462'. RUN DOWN AND PERF UTELAND BUTTE FORM 6798'-7233' WITH 60 HOLES IN 20' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
09:30	4.00	13:30	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
13:30	16.50	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE.

Aurora State 05-32D-7-20 3/16/2015 06:00 - 3/17/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	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	DTIM	Downtime	ON STANDBY. DUE TO PINNACLE.

Aurora State 05-32D-7-20 3/17/2015 06:00 - 3/18/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	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	DTIM	Downtime	"HES"FRAC & "CUTTERS"WIRELINE ON STANDBY DUE TO PINNACLE

Aurora State 05-32D-7-20 3/18/2015 06:00 - 3/19/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.00	06:00	CTRL	Crew Travel	CREW TRAVEL
06:00	0.00	06:00	SMTG	Safety Meeting	AOL 04:00. 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.



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	FRAC	Frac. Job	<p>FRAC STG 1 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 100 PSI AT 5:50 AM BREAK DOWN 1983 PSI AT 4.2 BPM. PMP 500 GAL 15% HCL ACID W/ 120 BIO BALLS FOR DIVERSION. 10 BPM AT 1625 PSI. FLUSH W/ 8528 GAL. 29.2 BPM AT 2000 PSI. BALL OUT (MAX PRESSURE 2495 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>ISIP 1404, FG .64, MR 70.6 BPM, AR 66.1 BPM, MP 3134 PSI (ON FINAL FLUSH 2200 PSI), AP 1985 PSI 100 MESH 7000 LBS 0.75PPG 30/50 WHITE 150,700 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) & 1.5-4.5 (20# HYBOR) SLK WTR 3246 BBLS, 20# LINEAR 864 BBLS, 20# HYBOR 580 BBLS.BTR 4898 BBLS.</p> <p>STAGE SCORE 8</p> <p>"SUCKED AIR ON WTR TANKS TWICE THROUGH OUT ZONE. DENSO NOT WORKING ON BLENDER HAD TO CHART OFF OF IN-LINE DENSO."</p> <p>SHUT IN TURN WELL OVER TO CUTTERS</p>
07:15	3.00	10:15	PFRT	Perforating	<p>PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 1100 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5332'-5354' & 6440'-6462'. RUN DOWN AND SET 5-1/2" CBP AT 6758' WITH 1000 PSI. PULL UP AND PERF BSF/CASTLE PEAK FORM 6383'-6741' WITH 45 HOLES IN 15' NET. END PERFS WITH 950 PSI. POOH AND VERIFY ALL GUNS SHOT.</p> <p>"MIS RUN, POOH FOUND BAD SWITCH BETWEEN GUN 7&8. REPLACE SWITCH RIH TRY TO PERF GUNS SHOWING OPEN. POOH P/U NEW STRING OF GUNS RIH FINISH PERFING TO DESIGN"</p> <p>SHUT IN TURN WELL OVER TO HES.</p>
10:15	1.25	11:30	FRAC	Frac. Job	<p>FRAC STG 2 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 850 PSI AT 10:15 AM BREAK DOWN 2428 PSI AT 8.6 BPM. PMP 500 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 8.3 BPM AT 2040 PSI. FLUSH W/ 7342 GAL. 29.2 BPM AT 2480 PSI. BALL OUT (MAX PRESSURE 4194 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>ISIP 1856, FG .71, MR 71.6 BPM, AR 71.2 BPM, MP 4601 PSI (ON FINAL FLUSH 2800 PSI), AP 2424 PSI 100 MESH 8,000 LBS 0.75PPG 30/50 WHITE 150,000 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) & 1.5-4.5 (20# HYBOR) SLK WTR 3251 BBLS, 20# LINEAR 777 BBLS, 20# HYBOR 548 BBLS.BTR 4758 BBLS.</p> <p>STAGE SCORE 10</p> <p>SHUT IN TURN WELL OVER TO CUTTERS</p>
11:30	1.25	12:45	PFRT	Perforating	<p>PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5332'-5354' & 6440'-6462'. RUN DOWN AND SET 5-1/2" CBP AT 6346' WITH 1000 PSI. PULL UP AND PERF LWR DOUGLAS CREEK/3PT MKR FORM 5970'-6333' WITH 45 HOLES IN 15' NET. END PERFS WITH 1200 PSI. POOH AND VERIFY ALL GUNS SHOT.</p> <p>"HAD TO WAIT EST 15MINS FOR PINNACLE TO MOVE TOOLS UP HOLE PRIOR TO PERF"</p> <p>SHUT IN TURN WELL OVER TO HES.</p>



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
12:45	1.75	14:30	FRAC	Frac. Job	<p>FRAC STG 3 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 1300 PSI AT 12:55 BREAK DOWN 2864 PSI AT 9.4 BPM. PMP 500 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 1600 PSI. FLUSH W/ 9577 GAL. 29.2 BPM AT 2270 PSI. BALL OUT (MAX PRESSURE 3500 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>ISIP 1731, FG .71, MR 70.5 BPM, AR 70.4 BPM, MP 4003 PSI (ON FINAL FLUSH 2500 PSI), AP 2607 PSI 100 MESH 8,000 LBS 0.75PPG 30/50 WHITE 150,000 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) & 1.5-3.5 (20# HYBOR) SLK WTR 3490 BBLS, 20# LINEAR 777 BBLS, 20# HYBOR 538 BBLS.BTR 4805 BBLS.</p> <p>STAGE SCORE 10</p> <p>SHUT IN TURN WELL OVER TO CUTTERS</p>
14:30	1.00	15:30	PFRT	Perforating	<p>PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 1550 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5332'-5354'. RUN DOWN AND SET 5-1/2" CBP AT 5930' WITH 1500 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 5523'-5915' WITH 45 HOLES IN 15' NET. END PERFS WITH 450 PSI. POOH AND VERIFY ALL GUNS SHOT.</p> <p>"WAIT 20 MINS FOR PINNACLE TO MOVE TOOL UP HOLE"</p> <p>SHUT IN TURN WELL OVER TO HES.</p>
15:30	1.50	17:00	FRAC	Frac. Job	<p>FRAC STG 4 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 480 PSI AT 15:30 BREAK DOWN 2069 PSI AT 9.7 BPM. PMP 500 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 1705 PSI. FLUSH W/ 6779 GAL. 35 BPM AT PSI. BALL OUT (MAX PRESSURE 5674 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>ISIP 1919, FG .76, MR 71.7 BPM, AR 71.5 BPM, MP 5674 PSI (ON FINAL FLUSH 3100 PSI), AP 3141 PSI 100 MESH 8,200 LBS 0.75PPG 30/50 WHITE 149,700 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) & 1.5-4.5 (20# HYBOR) SLK WTR 3408 BBLS, 20# LINEAR 777 BBLS, 20# HYBOR 539 BBLS.BTR 4723 BBLS.</p> <p>STAGE SCORE 10</p> <p>SHUT IN TURN WELL OVER TO CUTTERS</p>
17:00	1.00	18:00	WLWK	Wireline	<p>PERF STG #5- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 5 INTO LUBE AND EQUALIZE 1700 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5332'-5354'. RUN DOWN AND SET 5-1/2" CBP AT 5500' WITH 1600 PSI. PULL UP AND PERF PELICAN/TGR3 FORM 5157'-5488' WITH 45 HOLES IN 15' NET. END PERFS WITH 500 PSI. POOH AND VERIFY ALL GUNS SHOT.</p> <p>SHUT IN TURN WELL OVER TO HES.</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	1.75	19:45	FRAC	Frac. Job	FRAC STG 5 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 500 PSI AT 17:50 BREAK DOWN 1544 PSI AT 9.8 BPM. PMP 500 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 1550 PSI. FLUSH W/ 6305 GAL. 29.4 BPM AT 2025 PSI. BALL OUT (MAX PRESSURE 5780 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN. ISIP 1648, FG .74, MR 73.1 BPM, AR 72.9 BPM, MP 5578 PSI (ON FINAL FLUSH 2150 PSI), AP 2407 PSI 100 MESH 11,280 LBS 0.75PPG 30/50 WHITE 148,660 lbs 0.5-0.8 (SLK), 0.8-1.5 (20# LINEAR) & 1.5-4.5 (20# HYBOR) SLK WTR 3404 BBLS, 20# LINEAR 779 BBLS, 20# HYBOR 635 BBLS.BTR 4817 BBLS. STAGE SCORE 10 SHUT IN TURN WELL OVER TO CUTTERS
19:45	1.00	20:45	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1200 PSI. RIH & SET KILL PLUG AT 5150' WITH 1400 PSI. BLEED OFF WELL AS POOH.
20:45	2.00	22:45	SRIG	Rig Up/Down	RDMO HES AND CUTTERS FRAC FLEET.
22:45	7.25	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. STACK FRAC WTR. MOVE OFF FRAC LINE.

Aurora State 05-32D-7-20 3/19/2015 06:00 - 3/20/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	PRODUCING	7,420.0	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	SRIG	Rig Up/Down	ROAD TO LOCATION. RUSU.
08:00	1.50	09:30	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU BOP AND HYDRIL. RU FLOOR
09:30	2.00	11:30	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD 234-JTS 2-7/8" L-80 TBG.
11:30	2.00	13:30	RUTB	Run Tubing	MU 4-3/4" BIT, BIT SUB (BFF), 1-JT, DRAIN SUB, 1-JT, 2.31 XN NIPPLE. RIH AS MEAS AND PU TBG TO TAG KILL PLUG. RU PWR SWIVEL.
13:30	0.50	14:00	PTST	Pressure Test	FILL TBG AND GET CIRC. PRES TEST HYDRIL, BOP, LINES AND SWIVEL TO 2500 PSI. GOOD.
14:00	3.00	17:00	DOPG	Drill Out Plugs	EST CIRC AND D/O PLUGS. PUMP 1 BPM, RET 2 BPM. CBP #1 AT 5150'. 0' FILL, D/O IN 5 MIN. FCP 950 PSI ON 27/64". RIH CBP #2 AT 5500'. 34' FILL, D/O IN 5 MIN. FCP 950 PSI ON 27/64". RIH CBP #3 AT 5930'. 40' FILL. D/O IN 5 MIN. FCP 950 PSI ON 27/64". RIH CBP #4 AT 6346'. 137' FILL. D/O IN 5 MIN. FCP 950 PSI ON 27/64". RIH W/ 1-JT. 201-JTS IN, EOT AT 6404'. CIRC CLEAN. HANG PWR SWIVEL. TURN OVER TO FBC AND PRODUCTION FOR NIGHT.
17:00	13.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL TURN TO FBC AND PRODUCTION.

Aurora State 05-32D-7-20 3/20/2015 06:00 - 3/21/2015 06:00

API	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-047-54728	Utah	Uintah	Aurora	PRODUCING	7,420.0	Drilling & Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. WELL FLOWING TO PRODUCTION 550 PSI ON 18/64". NO OIL OR GAS. TURN TO FB TANK 500 PSI ON 24/64".
07:00	2.50	09:30	DOPG	Drill Out Plugs	CONT CIRC AS RIH. D/O PLUG CBP #5 AT 6758'. 169' FILL. D/O IN 5 MIN. 500 PSI ON 24/64" CHOKE. RIH. C/O 130 FILL TO F.C. AT 7336'. D/O CMT TO PBDT AT 7390' W/ 232-JTS IN. CIRC CLEAN. RD PWR SWIVEL.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:30	1.00	10:30	PULT	Pull Tubing	POOH AS LD 74-JTS TBG. LUBE IN AND LAND HANGER. TBG DETAIL KB 13.00 HANGER .85 156-JTS 2-7/8" L-80 TBG 4964.05 2.31 XN NIPPLE .89 1-JT 2-7/8" L-80 31.87 DRAIN SUB 1.01 1-JT 2-7/8" L-80 31.74 FLOAT SUB 1.34 BIT SUB (BFF) 1.05 4-3/4" BIT .37 XN AT 4978.79', DRAIN AT 5011.67', BIT AT 5046.17
10:30	1.50	12:00	BOPR	Remove BOP's	RD FLOOR. ND BOP AND HYDRIL. NU WH. DROP BAR TO SHEAR DRAIN. 4:20 MIN TO SHEAR. SITP 625, SICP 625. TURN TO TREATER FTP 580 ON 16/64".
12:00	1.50	13:30	SRIG	Rig Up/Down	RDSU. MOVE OFF LOCATION. WELL TURNED OVER TO FB CREW AND PRODUCTION.
13:30	1.00	14:30	RMOV	Rig Move	MOVE OFF LOCATION
14:30	15.50	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING.

Aurora State 05-32D-7-20 3/26/2015 06:00 - 3/27/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	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. WELL FLOWING ON 18/64 W/ 260 FTP, 380 SICP. OPEN CSG AND CHOKE. BYPASS TREATER. STILL HAVE SLOW FLOW.
07:00	1.00	08:00	RMOV	Rig Move	ROAD RIG EST 15 MILES
08:00	1.00	09:00	SRIG	Rig Up/Down	MIRU DERRICK
09:00	1.00	10:00	BOPI	Install BOP's	ND WH. NU BOP. RU FLOOR. PULL HANGER.
10:00	1.50	11:30	PULT	Pull Tubing	POOH W/ 156-JTS TBG AND D/O BHA.
11:30	3.00	14:30	RUTB	Run Tubing	MU PROD BHA AND RIH. PU TBG TO LAND. SET 5-1/2" 8RD TAC. TBG DETAIL KB 13.00' HANGER .85' STRETCH 2.50' 216-JTS 6873.12' "TOP 66 NEW" 5-1/2" 8RD TAC 2.75' 3-JTS 2-7/8" L-80 95.46' 4' PUP- 4.15' TBG PUMP- 26.95' 4' PUP 4.15' 3-1/2" DESANDER 17.20' 5-JTS 2-7/8" L-80 159.10' BULL PLUG .75' TAC @ 6892.22' EOP @ 7018.78' EOT @ 7199.98' "RETURN 10JTS TO BBC YARD"
14:30	1.50	16:00	BOPR	Remove BOP's	RD FLOOR. ND WH. LAND HANGER IN 19K TENSION. NU WH. FLUSH TBG W/70 BBL WTR & CHEM, DROP STANDING VALVE, FINISH X-O FOR RODS.
16:00	14.00	06:00	CTRL	Crew Travel	LOCK & SECURE WELL. SDFN. CREW TRAVEL

Aurora State 05-32D-7-20 3/27/2015 06:00 - 3/28/2015 06:00

API 43-047-54728	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,420.0	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
07:00	0.25	07:15	SMTG	Safety Meeting	SAFTEY MEETING

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:15	3.75	11:00	RURP	Run Rods & Pump	RIH W/PUMP & RODS AS FOLLOWS. 1) 1 1/2"X30' POLISH ROD 1) 2'X1" PONY 84) 1" D 4PERS 94) 7/8" D 4PERS 72) 3/4" D 4PERS 28) 1" D 4PERS SC 1) 2'X1" GUIDED PONY 2.5-2.25-THBM-24' (TBG PUMP)
11:00	0.50	11:30	PTST	Pressure Test	FILL TBG W/ 2BBLs & STROKE TEST PUMP TO 800 PSI. GT (3 STROKES)
11:30	1.00	12:30	GOP	General Operations	BRIDAL AND ADJUST HORSEHEAD, SPACE OUT FOR 139" STROKE FOR #2 HOLE ON UNIT
12:30	1.00	13:30	SRIG	Rig Up/Down	RDSU, MOVE RIG OFF LOC.
13:30	16.50	06:00	LOCL	Lock Wellhead & Secure	SECURE WELL. PWOP.

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR: Bill Barrett Corporation		8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4304754728
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2295 FNL 665 FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1969 FNL 663 FWL AT TOTAL DEPTH: 2013 FNL 657 FWL		10 FIELD AND POOL, OR WILDCAT THREE RIVERS
14. DATE SPUDDED: 12/15/2015		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 32 7S 20E S
15. DATE T.D. REACHED: 1/11/2015		12. COUNTY Uintah
16. DATE COMPLETED: 3/19/2015 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		13. STATE UTAH
17. ELEVATIONS (DF, RKB, RT, GL): 4811 GL		
18. TOTAL DEPTH: MD 7,420 TVD 7,404	19. PLUG BACK T.D.: MD 7,338 TVD 7,322	20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE MD PLUG SET: TVD		

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Gamma Ray, Quad Combo, CBL, MUD

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Conq	65#	0	90	90			0	
12 1/4	8 5/8 J-55	24#	0	1,231	1,225	Lead 220	105	0	
						Tail 310	76		
7 7/8	5 1/2 I110	17#	0	7,420	7,411	Tuned 345	144	1648	
						ECON 620	160		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	5,046							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) Green River	5,157	7,233			5,157 7,233	.38	240	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5157-7233	Green River: See attached Stage 1-5

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

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/19/2015		TEST DATE: 3/29/2015		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 226	GAS – MCF: 33	WATER – BBL: 417	PROD. METHOD: Flowing
CHOKE SIZE: 64/64	TBG. PRESS. 380	CSG. PRESS. 80	API GRAVITY 28.41	BTU – GAS 38	GAS/OIL RATIO 167	24 HR PRODUCTION RATES: →	OIL – BBL: 226	GAS – MCF: 33	WATER – BBL: 417	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	3,258
				Mahogany	4,350
				TGR3	5,309
				Douglas Creek	5,441
				Black Shale Facies	6,376
				Castle Peak	6,471
				Uteland Butte	6,702
				Wasatch	7,416
				TD	7,420

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 3/19/2015 and first oil sales on 3/26/2015.

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

NAME (PLEASE PRINT) BRADY RILEY TITLE Permit Analyst
SIGNATURE Electronic Signature DATE 4/7/2015

This report must be submitted within 30 days of

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

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

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

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



Bill Barrett Corporation

Fort Duchesne

SECTION 32 T7S, R20E

Aurora State 5-32D-7-20

Wellbore #1

Design: Actual

End of Well Report

21 January, 2015





Payzone Directional
End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Well:	Aurora State 5-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

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

Site	SECTION 32 T7S, R20E		
Site Position:		Northing:	11,123,640.10 usft
From:	Lat/Long	Easting:	2,143,801.42 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 10' 14.080 N
		Longitude:	109° 42' 0.460 W
		Grid Convergence:	1.10 °

Well	Aurora State 5-32D-7-20, SHL: 40° 10' 2.720 -109° 42' 0.250		
Well Position	+N/-S	0.0 usft	Northing: 11,122,490.10 usft
	+E/-W	0.0 usft	Easting: 2,143,839.87 usft
Position Uncertainty		0.0 usft	Wellhead Elevation: 4,825.0 usft
			Latitude: 40° 10' 2.720 N
			Longitude: 109° 42' 0.250 W
			Ground Level: 4,812.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/1/2015	10.73	65.87	52,041

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	358.33

Survey Program	Date	1/21/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
322.0	7,420.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Well:	Aurora State 5-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
322.0	0.61	262.35	322.0	-0.2	-0.2	-1.7	0.19	0.19	0.00	0.00
413.0	0.66	258.80	413.0	-0.3	-0.4	-2.7	0.07	0.05	-3.90	-3.90
505.0	0.62	244.08	505.0	-0.6	-0.7	-3.7	0.18	-0.04	-16.00	-16.00
597.0	0.79	231.60	597.0	-1.2	-1.3	-4.6	0.25	0.18	-13.57	-13.57
688.0	0.35	248.08	688.0	-1.7	-1.8	-5.4	0.51	-0.48	18.11	18.11
749.0	0.18	273.52	749.0	-1.7	-1.9	-5.6	0.33	-0.28	41.70	41.70
837.0	0.44	354.34	837.0	-1.4	-1.5	-5.8	0.51	0.30	91.84	91.84
924.0	0.79	350.16	924.0	-0.4	-0.6	-5.9	0.41	0.40	-4.80	-4.80
1,012.0	0.56	337.85	1,012.0	0.6	0.4	-6.2	0.31	-0.26	-13.99	-13.99
1,099.0	0.44	330.56	1,099.0	1.3	1.1	-6.5	0.16	-0.14	-8.38	-8.38
1,154.0	0.18	308.06	1,154.0	1.5	1.3	-6.7	0.51	-0.47	-40.91	-40.91
1,265.0	0.49	341.98	1,265.0	2.1	1.9	-7.0	0.32	0.28	30.56	30.56
1,352.0	0.31	275.26	1,352.0	2.4	2.2	-7.3	0.53	-0.21	-76.69	-76.69
1,439.0	1.68	10.18	1,438.9	3.7	3.5	-7.3	1.99	1.57	109.10	109.10
1,526.0	1.99	17.95	1,525.9	6.4	6.2	-6.6	0.46	0.36	8.93	8.93
1,614.0	3.58	6.35	1,613.8	10.6	10.4	-5.9	1.91	1.81	-13.18	-13.18
1,700.0	4.99	8.86	1,699.5	16.9	16.8	-5.0	1.65	1.64	2.92	2.92
1,787.0	5.61	12.27	1,786.2	24.7	24.6	-3.5	0.80	0.71	3.92	3.92
1,874.0	5.92	9.08	1,872.7	33.3	33.2	-1.9	0.51	0.36	-3.67	-3.67
1,961.0	6.10	11.25	1,959.3	42.2	42.2	-0.3	0.33	0.21	2.49	2.49
2,049.0	5.79	8.77	2,046.8	51.1	51.2	1.3	0.46	-0.35	-2.82	-2.82
2,136.0	6.01	8.38	2,133.3	59.9	60.0	2.6	0.26	0.25	-0.45	-0.45
2,224.0	5.30	6.17	2,220.9	68.5	68.6	3.7	0.84	-0.81	-2.51	-2.51
2,311.0	5.48	7.28	2,307.5	76.6	76.7	4.7	0.24	0.21	1.28	1.28
2,398.0	6.41	4.28	2,394.0	85.5	85.7	5.6	1.13	1.07	-3.45	-3.45
2,483.0	6.41	5.69	2,478.5	94.9	95.1	6.4	0.19	0.00	1.66	1.66



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Well:	Aurora State 5-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)		
2,571.0	6.41	1.99	2,566.0	104.7	104.9	7.1	0.47	0.00	-4.20		
2,658.0	6.50	3.97	2,652.4	114.4	114.7	7.6	0.28	0.10	2.28		
2,747.0	6.41	0.18	2,740.8	124.4	124.7	7.9	0.49	-0.10	-4.26		
2,832.0	6.10	359.56	2,825.3	133.7	134.0	7.9	0.37	-0.36	-0.73		
2,919.0	6.01	359.78	2,911.9	142.8	143.1	7.9	0.11	-0.10	0.25		
3,006.0	5.30	359.17	2,998.4	151.4	151.7	7.8	0.82	-0.82	-0.70		
3,094.0	4.91	355.86	3,086.1	159.2	159.5	7.5	0.56	-0.44	-3.76		
3,181.0	5.61	351.37	3,172.7	167.2	167.5	6.6	0.93	0.80	-5.16		
3,267.0	5.70	358.46	3,258.3	175.6	175.9	5.8	0.82	0.10	8.24		
3,355.0	5.61	354.76	3,345.9	184.3	184.5	5.3	0.43	-0.10	-4.20		
3,441.0	5.08	356.88	3,431.5	192.3	192.5	4.7	0.66	-0.62	2.47		
3,529.0	4.68	355.47	3,519.2	199.8	200.0	4.2	0.47	-0.45	-1.60		
3,614.0	4.99	359.17	3,603.9	206.9	207.1	3.9	0.52	0.36	4.35		
3,702.0	4.82	353.35	3,691.5	214.4	214.6	3.4	0.60	-0.19	-6.61		
3,788.0	5.21	357.18	3,777.2	221.9	222.1	2.8	0.60	0.45	4.45		
3,876.0	5.39	3.26	3,864.8	230.1	230.2	2.8	0.67	0.20	6.91		
3,963.0	5.21	358.77	3,951.5	238.1	238.3	3.0	0.52	-0.21	-5.16		
4,051.0	4.42	355.47	4,039.2	245.5	245.6	2.6	0.95	-0.90	-3.75		
4,137.0	3.89	344.05	4,124.9	251.6	251.8	1.6	1.14	-0.62	-13.28		
4,223.0	4.29	346.25	4,210.7	257.6	257.7	0.0	0.50	0.47	2.56		
4,310.0	4.60	350.27	4,297.5	264.2	264.3	-1.4	0.50	0.36	4.62		
4,397.0	5.21	356.88	4,384.1	271.6	271.7	-2.2	0.95	0.70	7.60		
4,484.0	5.48	354.98	4,470.8	279.7	279.7	-2.7	0.37	0.31	-2.18		
4,570.0	4.99	352.78	4,556.4	287.5	287.5	-3.6	0.62	-0.57	-2.56		
4,658.0	4.91	341.58	4,644.1	294.9	294.9	-5.2	1.10	-0.09	-12.73		
4,744.0	5.30	336.47	4,729.7	302.2	302.1	-8.0	0.70	0.45	-5.94		
4,832.0	4.91	339.95	4,817.4	309.5	309.3	-10.9	0.57	-0.44	3.95		



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
Well:	Aurora State 5-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
4,919.0	4.20	353.97	4,904.1	316.2	316.0	-12.5	1.51	-0.82	16.11	
5,007.0	3.18	15.66	4,991.9	321.8	321.5	-12.2	1.94	-1.16	24.65	
5,093.0	2.70	1.15	5,077.8	326.1	325.9	-11.5	1.03	-0.56	-16.87	
5,181.0	1.90	345.86	5,165.7	329.6	329.3	-11.8	1.14	-0.91	-17.37	
5,267.0	1.90	341.28	5,251.7	332.3	332.1	-12.6	0.18	0.00	-5.33	
5,353.0	0.49	2.87	5,337.7	334.0	333.8	-13.1	1.69	-1.64	25.10	
5,440.0	0.49	333.56	5,424.7	334.7	334.5	-13.2	0.28	0.00	-33.69	
5,528.0	0.71	237.85	5,512.7	334.8	334.5	-13.9	1.02	0.25	-108.76	
5,616.0	1.28	217.05	5,600.7	333.8	333.5	-14.9	0.76	0.65	-23.64	
5,703.0	0.80	207.97	5,687.6	332.5	332.2	-15.8	0.58	-0.55	-10.44	
5,791.0	0.80	219.65	5,775.6	331.5	331.1	-16.5	0.18	0.00	13.27	
5,877.0	0.88	181.58	5,861.6	330.4	330.0	-16.9	0.64	0.09	-44.27	
5,965.0	1.10	181.66	5,949.6	328.9	328.5	-16.9	0.25	0.25	0.09	
6,051.0	1.19	183.25	6,035.6	327.1	326.8	-17.0	0.11	0.10	1.85	
6,138.0	1.81	178.95	6,122.6	324.9	324.5	-17.0	0.72	0.71	-4.94	
6,224.0	1.90	174.57	6,208.5	322.1	321.7	-16.8	0.20	0.10	-5.09	
6,312.0	2.21	167.17	6,296.5	319.0	318.6	-16.3	0.46	0.35	-8.41	
6,399.0	2.70	178.36	6,383.4	315.3	314.9	-15.9	0.79	0.56	12.86	
6,487.0	2.92	179.06	6,471.3	311.0	310.6	-15.8	0.25	0.25	0.80	
6,574.0	1.59	177.65	6,558.2	307.5	307.2	-15.7	1.53	-1.53	-1.62	
6,662.0	1.28	175.36	6,646.2	305.3	305.0	-15.6	0.36	-0.35	-2.60	
6,749.0	1.90	181.58	6,733.2	302.9	302.6	-15.5	0.74	0.71	7.15	
6,834.0	1.81	163.16	6,818.1	300.2	299.9	-15.2	0.71	-0.11	-21.67	
6,921.0	1.90	163.95	6,905.1	297.5	297.2	-14.4	0.11	0.10	0.91	
7,052.0	2.12	162.45	7,036.0	293.1	292.8	-13.1	0.17	0.17	-1.15	
7,094.0	2.21	164.08	7,078.0	291.5	291.3	-12.6	0.26	0.21	3.88	
7,182.0	1.99	151.39	7,165.9	288.5	288.3	-11.4	0.58	-0.25	-14.42	



Payzone Directional
End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 5-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 5-32D-7-20 @ 4825.0usft (CAPSTAR 329)
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Well:	Aurora State 5-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

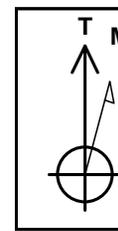
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
7,268.0	1.68	148.88	7,251.8	286.1	285.9	-10.0	0.37	-0.36	-2.92	
7,356.0	1.59	150.46	7,339.8	283.9	283.8	-8.8	0.11	-0.10	1.80	
7,364.0	1.59	163.29	7,347.8	283.7	283.6	-8.7	4.44	0.00	160.37	
7,420.0	1.59	163.29	7,403.8	282.2	282.1	-8.2	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 62375 API Well Number: 43047547280000

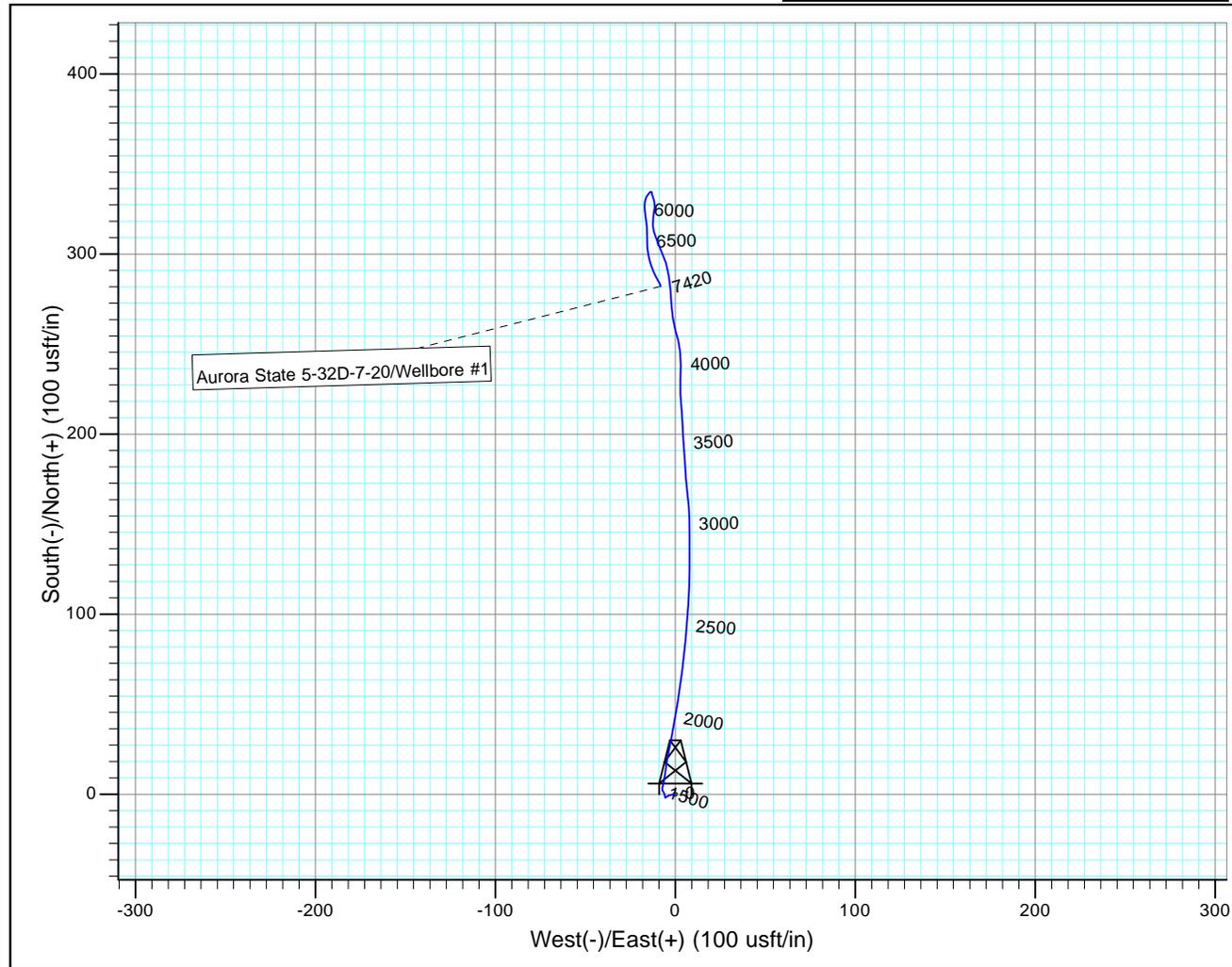
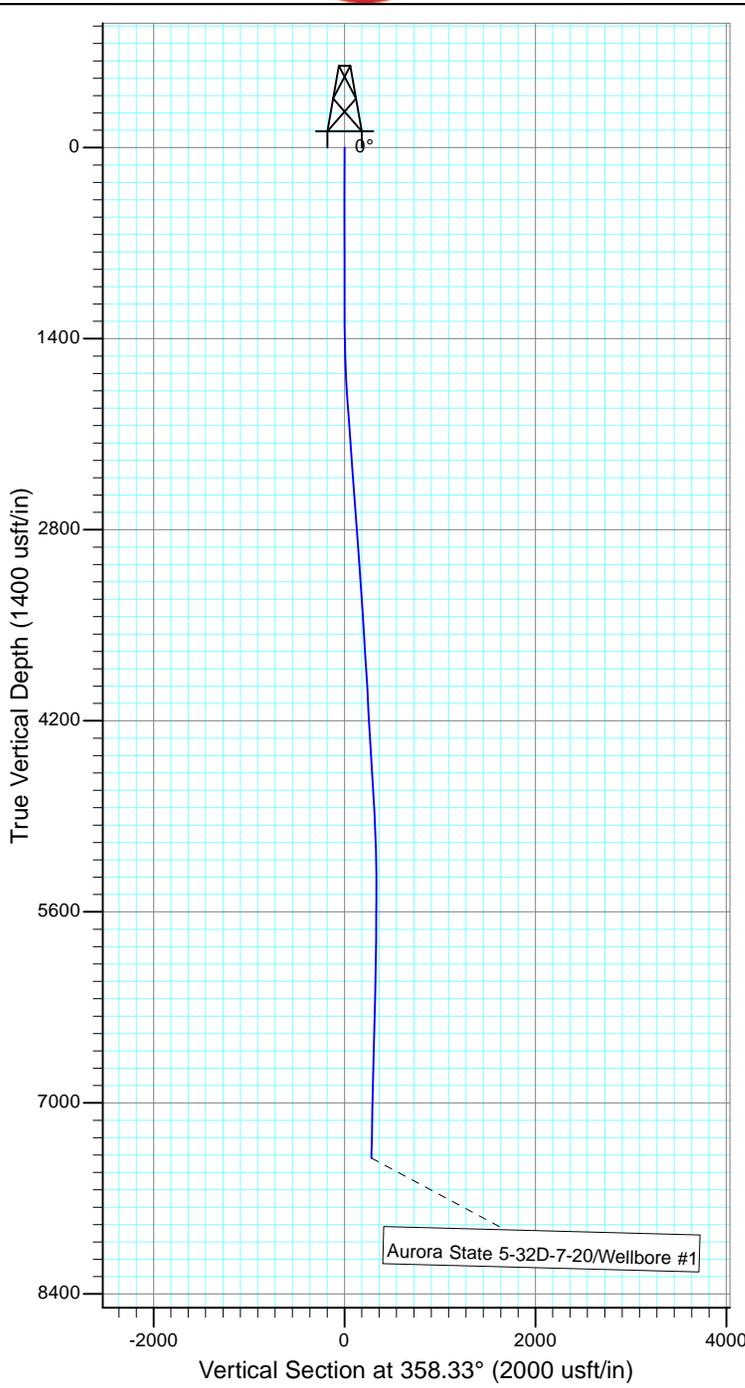


Project: Fort Duchesne
Site: SECTION 32 T7S, R20E
Well: Aurora State 5-32D-7-20
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.73°

Magnetic Field
Strength: 52041.2snT
Dip Angle: 65.87°
Date: 1/1/2015
Model: IGRF2010



Design: Actual (Aurora State 5-32D-7-20/Wellbore #1)

Created By: *Matthew Linton* Date: 10:12, January 21 20

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

Aurora State 5-32D-7-20 Report Continued*

ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)				
AMOUNT AND TYPE OF MATERIAL				
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs 100 Common Mesh</u>	<u>lbs 30/50 Prem. White</u>	<u>gal 15% HCl Acid</u>
1	4,910	7,000	150,700	500
2	4,770	8,000	150,000	500
3	4,817	8,000	150,000	500
4	4,735	8,200	149,700	500
5	4,817	11,280	148,660	500

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: AURORA STATE 5-32D-7-20	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047547280000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2295 FNL 0665 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. FIELD and POOL or WILDCAT: THREE RIVERS	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="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			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 9/14/2015	