

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER FD 7X-33-2-2							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134							
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee') TRACY RICHENS						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-545-2535							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 722, FORT DUCHESNE,, UT 84026						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 checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		2081 FNL 2268 FEL		SWNE		33		2.0 S		2.0 E		U	
Top of Uppermost Producing Zone		2081 FNL 2268 FEL		SWNE		33		2.0 S		2.0 E		U	
At Total Depth		2081 FNL 2268 FEL		SWNE		33		2.0 S		2.0 E		U	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 346			23. NUMBER OF ACRES IN DRILLING UNIT 640							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 4107			26. PROPOSED DEPTH MD: 9689 TVD: 9689							
27. ELEVATION - GROUND LEVEL 5158			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 - 9689	17.0	P-110 LT&C	9.5	Unknown		810	2.31	11.0		
							Unknown		350	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 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 04/03/2014				EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047543770000				APPROVAL				 Permit Manager					

BILL BARRETT CORPORATION
DRILLING PLAN

FD 7X-33-2-2

SWNE, 2081' FNL and 2268' FEL, Section 33, T2S-R2E, USB&M (surface hole)

SWNE, 2081' FNL and 2268' FEL, Section 33, T2S-R2E, USB&M (bottom hole)

Uintah County, Utah

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

Formation	Depth – MD/TVD
Green River	5,388'
Mahogany	6,496'
Lower Green River*	7,619'
Douglas Creek	7,794'
Black Shale	8,339'
Castle Peak	8,464'
Wasatch*	9,189'
TD	9,689'

*PROSPECTIVE PAY

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

Base of Useable Water = 3,605'

3. BOP and Pressure Containment Data

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

*See Appendix A

4. Casing Program

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

Bill Barrett Corporation
 Drilling Program
 FD 7X-33-2-2
 Uintah County, Utah

5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing (may pre-set with spudder rig)	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: 810 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 700' Tail: 350 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 @ 7839'

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 – 58	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 4786 psi* and maximum anticipated surface pressure equals approximately 2654 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

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

Bill Barrett Corporation
Drilling Program
FD 7X-33-2-2
Uintah County, Utah

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

Water for the drilling and completion will be from:

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

11. Drilling Schedule

Location Construction: CONSTRUCTED
Spud: APRIL 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

FORT DUCHESNE CEMENT VOLUMES

Well Name: FD 7X-33-2-2

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
--------------	-----

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:	9,689'
Top of Cement:	700'
Top of Tail:	7,839'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1855.3	ft ³
Lead Fill:	7,139'	
Tail Volume:	480.8	ft ³
Tail Fill:	1,850'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	810
# SK's Tail:	350

FD 7X-33-2-2 Proposed Cementing Program
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<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 - (7839' - 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: 7,139'
	Volume: 330.41 bbl
	Proposed Sacks: 810 sks
Tail Cement - (9689' - 7839')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 7,839'
	Calculated Fill: 1,850'
	Volume: 85.63 bbl
	Proposed Sacks: 350 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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T2S, R2E, U.S.B.&M.

BILL BARRETT CORPORATION

Well location, FD #7X-33-2-2, located as shown in the SW 1/4 NE 1/4 of Section 33, T2S, R2E, U.S.B.&M., Uintah County, Utah.

East 1/4 Cor.
Sec. 20
Set Stone
NW Cor.
Sec. 32
Set Marked
Stone, small
stones

N00°30'02"W
8025.01'
(Meas.)

S88°19'55"W - 4799.16' (Meas. to True)
S88°19'55"W - 4799.07' (Meas. to C.C.)

C.C.
2001 Alum. Cap,
1.5' High Mound
of Stones, Fence

13 M. Marker
2001 Alum
Cap. 0.3' High

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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

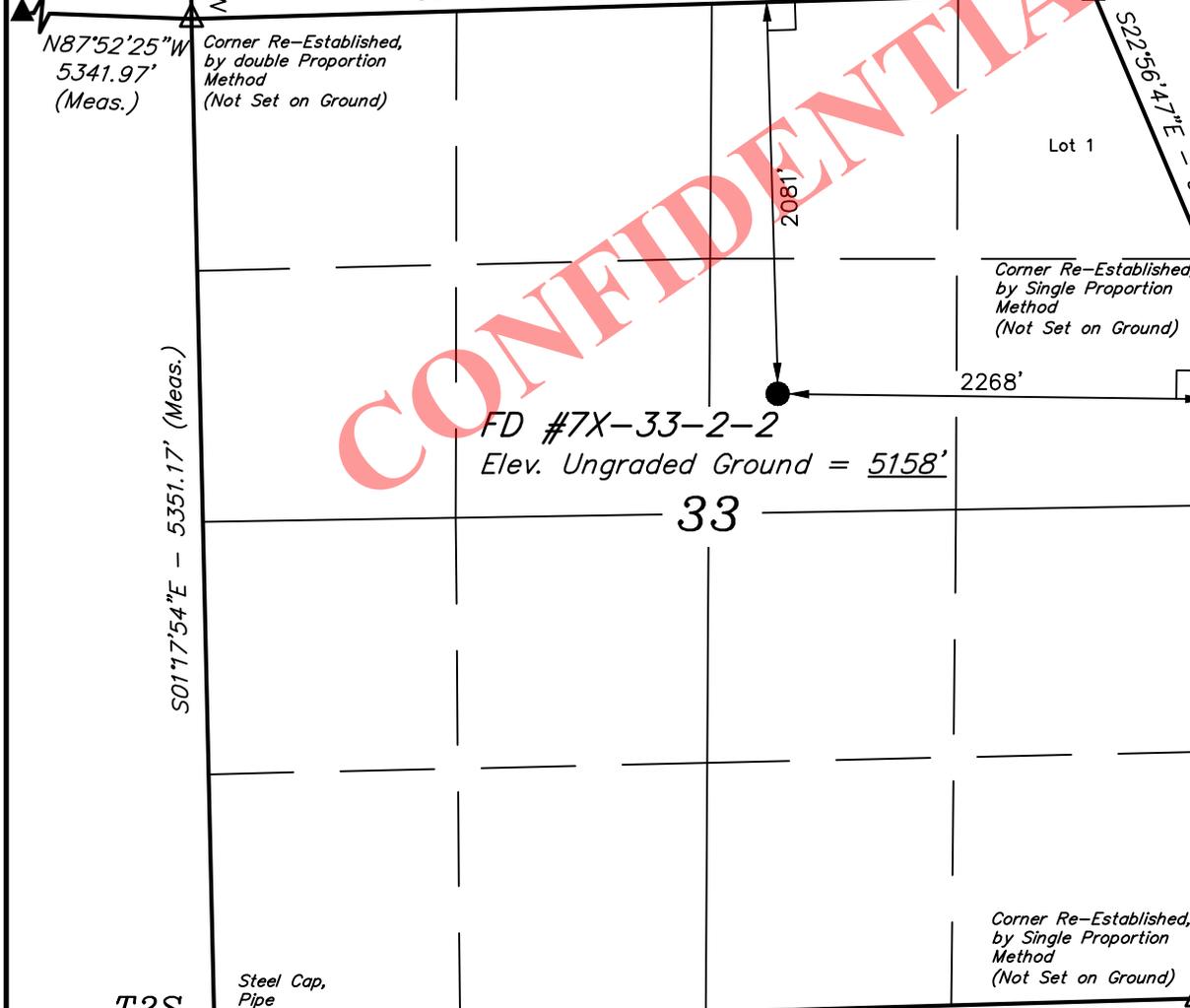


SCALE
CERTIFICATE

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



REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH



- LEGEND:
- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.
 - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

REV: 04-01-14 B.D.H.

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°16'01.66" (40.267128)
LONGITUDE	= 109°46'21.19" (109.772553)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°16'01.80" (40.267167)
LONGITUDE	= 109°46'18.67" (109.771853)

UTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 08-16-13	DATE DRAWN: 08-21-13
PARTY C.R. J.S. T.R.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

BILL BARRETT CORPORATION

FD #7X-33-2-2

LOCATED IN UINTAH COUNTY, UTAH
SECTION 33, T2S, R2E, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -



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

LOCATION PHOTOS

08 | 20 | 13
MONTH | DAY | YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: S.O.

REV: 04-01-14 L.S.

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

FD #7X-33-2-2

SECTION 33, T2S, R2E, U.S.B.&M.

2081' FNL 2268' FEL

FIGURE #1

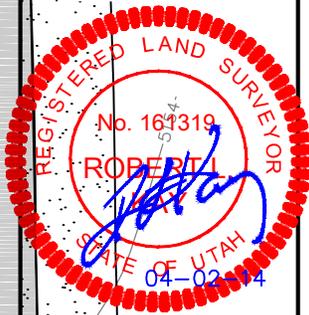
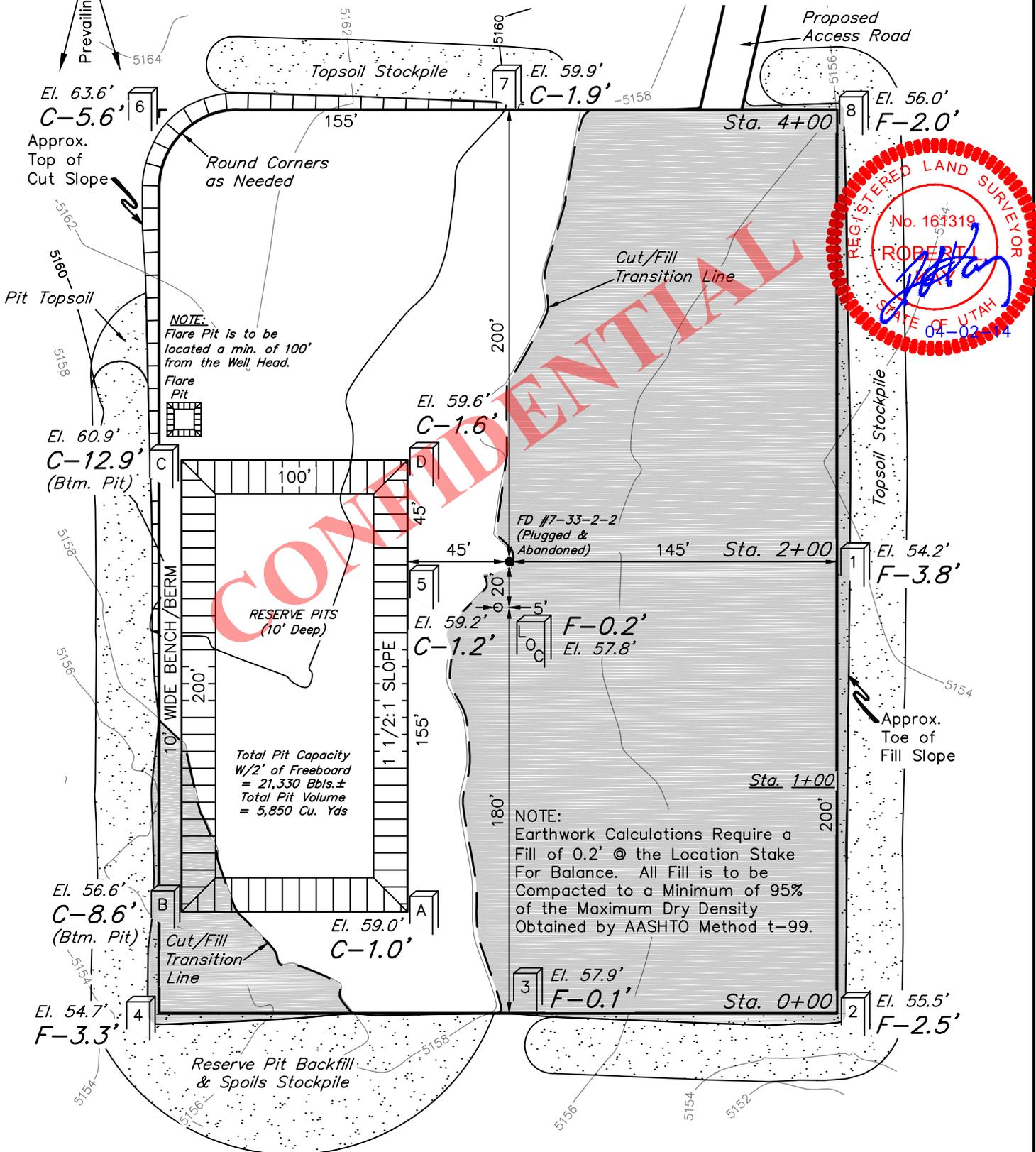
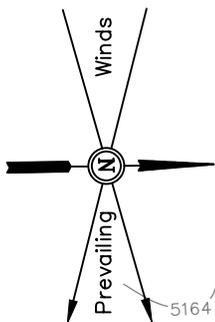
SCALE: 1" = 60'

DATE: 08-22-13

DRAWN BY: T.R.

REV: 04-01-14 B.D.H.

REV: 04-02-14 B.D.H.



CONFIDENTIAL

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

RESERVE PITS (10' Deep)

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

NOTE:
Earthwork Calculations Require a Fill of 0.2' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

Elev. Ungraded Ground At Loc. Stake = **5157.8'**
FINISHED GRADE ELEV. AT LOC. STAKE = **5158.0'**

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

RECEIVED: April 03, 2014

BILL BARRETT CORPORATION

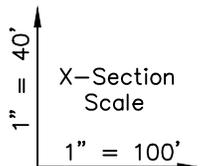
TYPICAL CROSS SECTIONS FOR

FD #7X-33-2-2

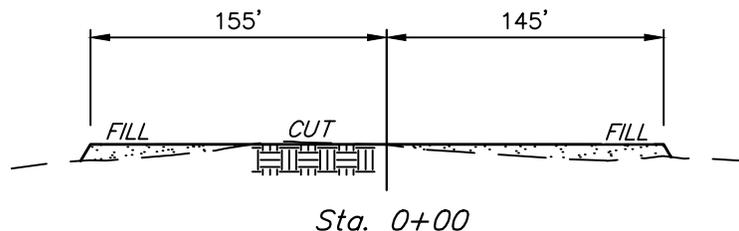
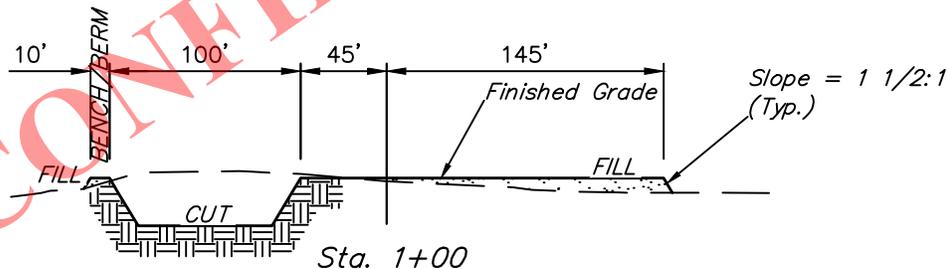
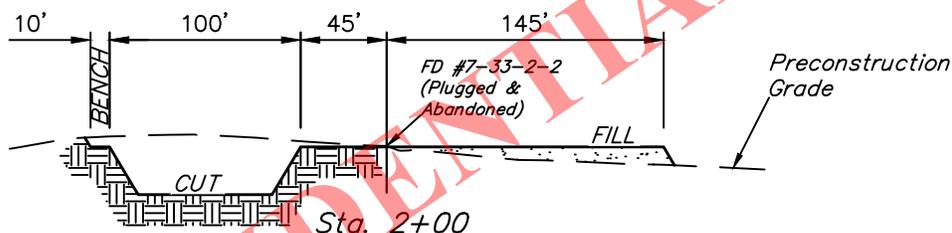
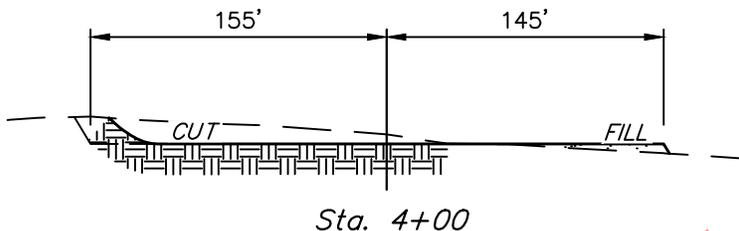
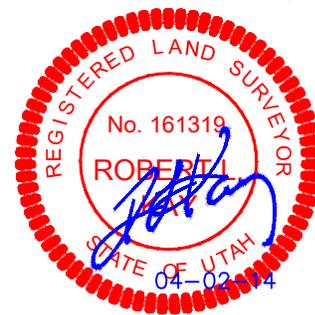
SECTION 33, T2S, R2E, U.S.B.&M.

2081' FNL 2268' FEL

FIGURE #2



DATE: 08-22-13
DRAWN BY: T.R.
REV: 04-01-14 B.D.H.
REV: 04-02-14 B.D.H.



APPROXIMATE ACREAGE
WELL SITE DISTURBANCE = ± 4.788 ACRES
ACCESS ROAD DISTURBANCE = ± 0.879 ACRES
PIPELINE DISTURBANCE = ± 0.906 ACRES
TOTAL = ± 6.573 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,320 Cu. Yds.
Remaining Location = 9,070 Cu. Yds.
TOTAL CUT = 11,390 CU. YDS.
FILL = 6,140 CU. YDS.

EXCESS MATERIAL = 5,250 Cu. Yds.
Topsoil & Pit Backfill = 5,250 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

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

BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

FD #7X-33-2-2

SECTION 33, T2S, R2E, U.S.B.&M.

2081' FNL 2268' FEL

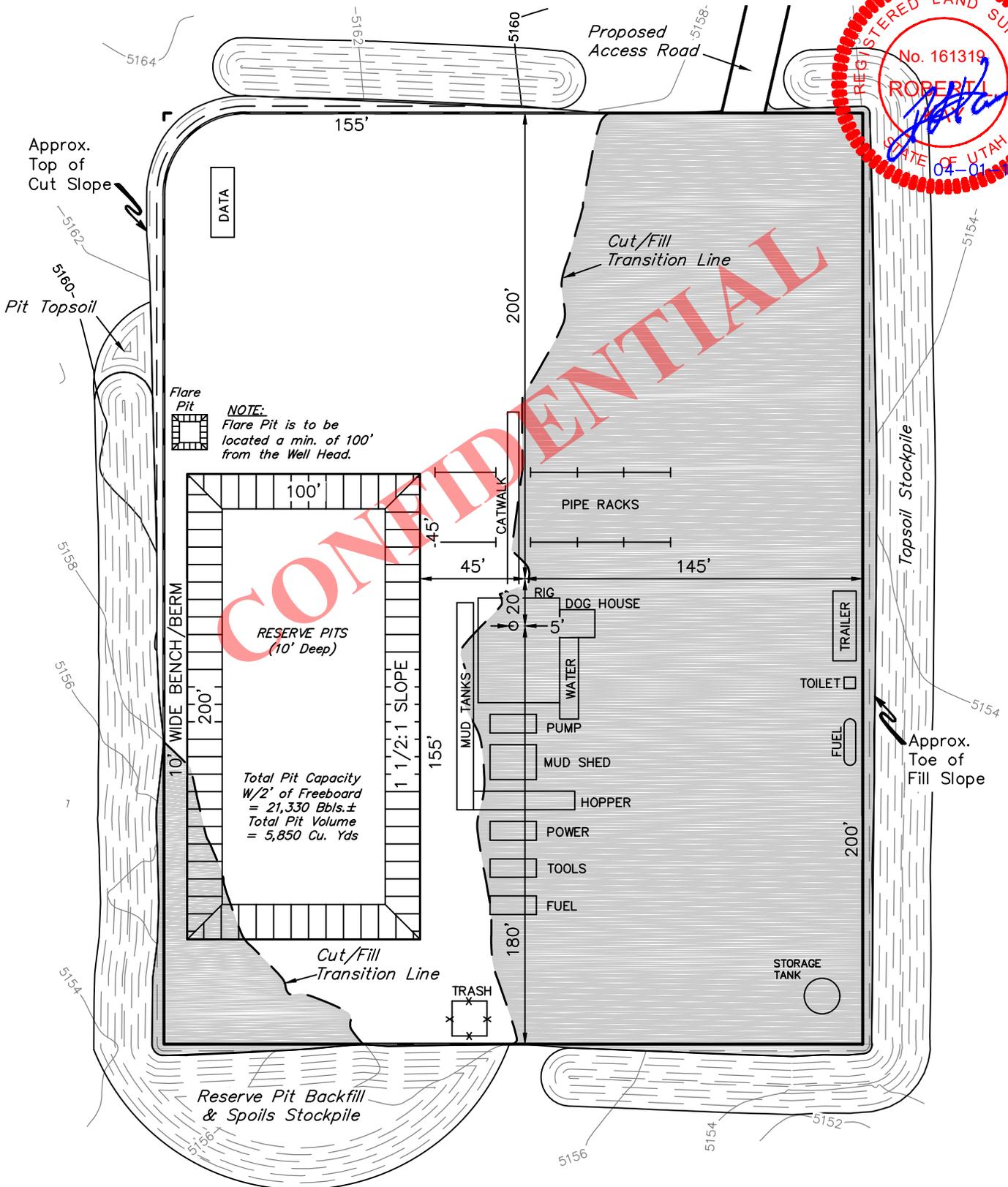
FIGURE #3

SCALE: 1" = 60'

DATE: 08-22-13

DRAWN BY: T.R.

REV: 04-01-14 B.D.H.

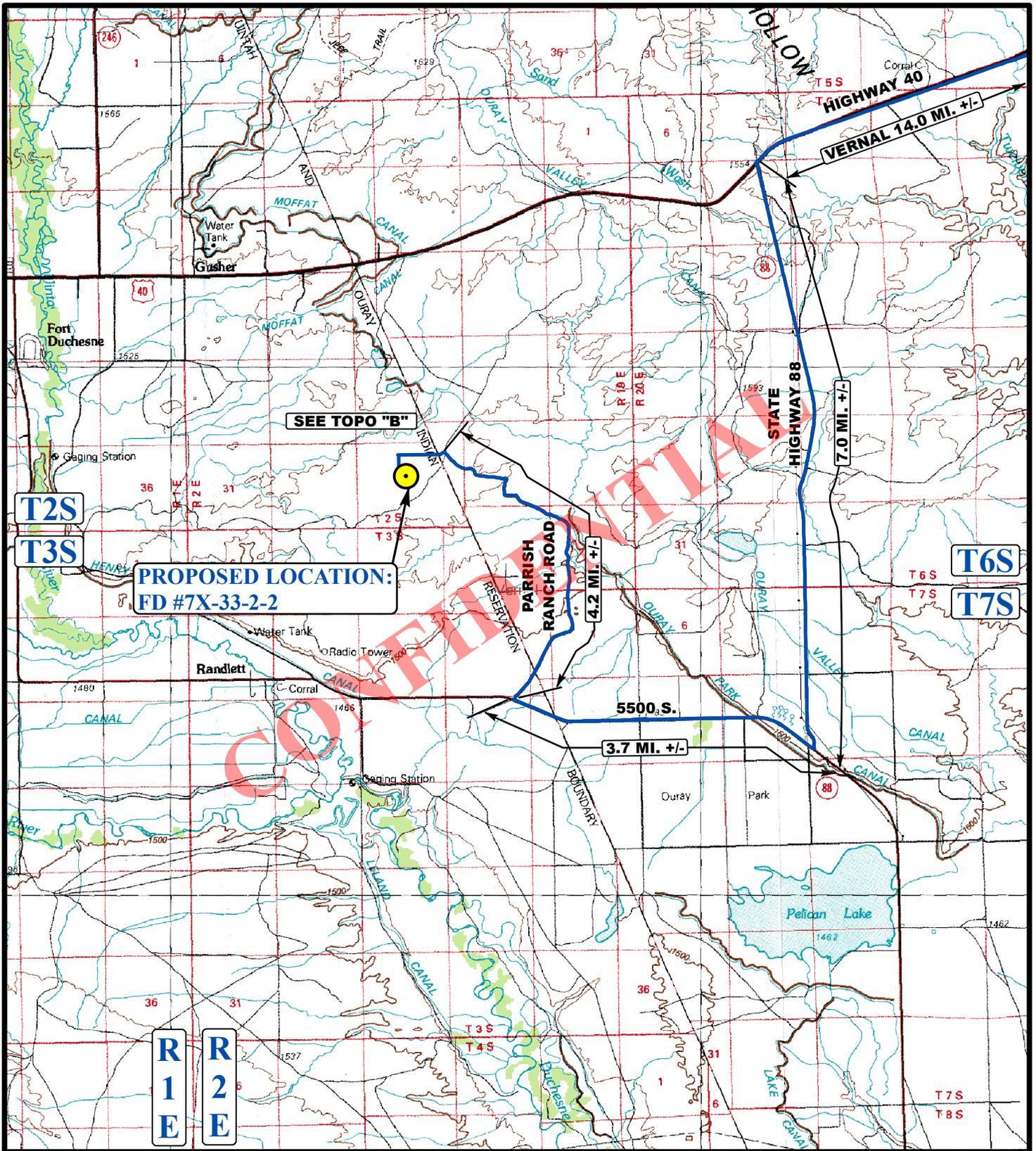


CONFIDENTIAL

BILL BARRETT CORPORATION
FD #7X-33-2-2
SECTION 33, T2S, R2E, U.S.B.&M.

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 SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND 5500 S. TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND PARRISH RANCH ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 4.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1,330' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 29.7 MILES.



LEGEND:

 PROPOSED LOCATION



BILL BARRETT CORPORATION

FD #7X-33-2
SECTION 33, T2S, R2E, U.S.B.&M.
2081' FNL 2268' FEL



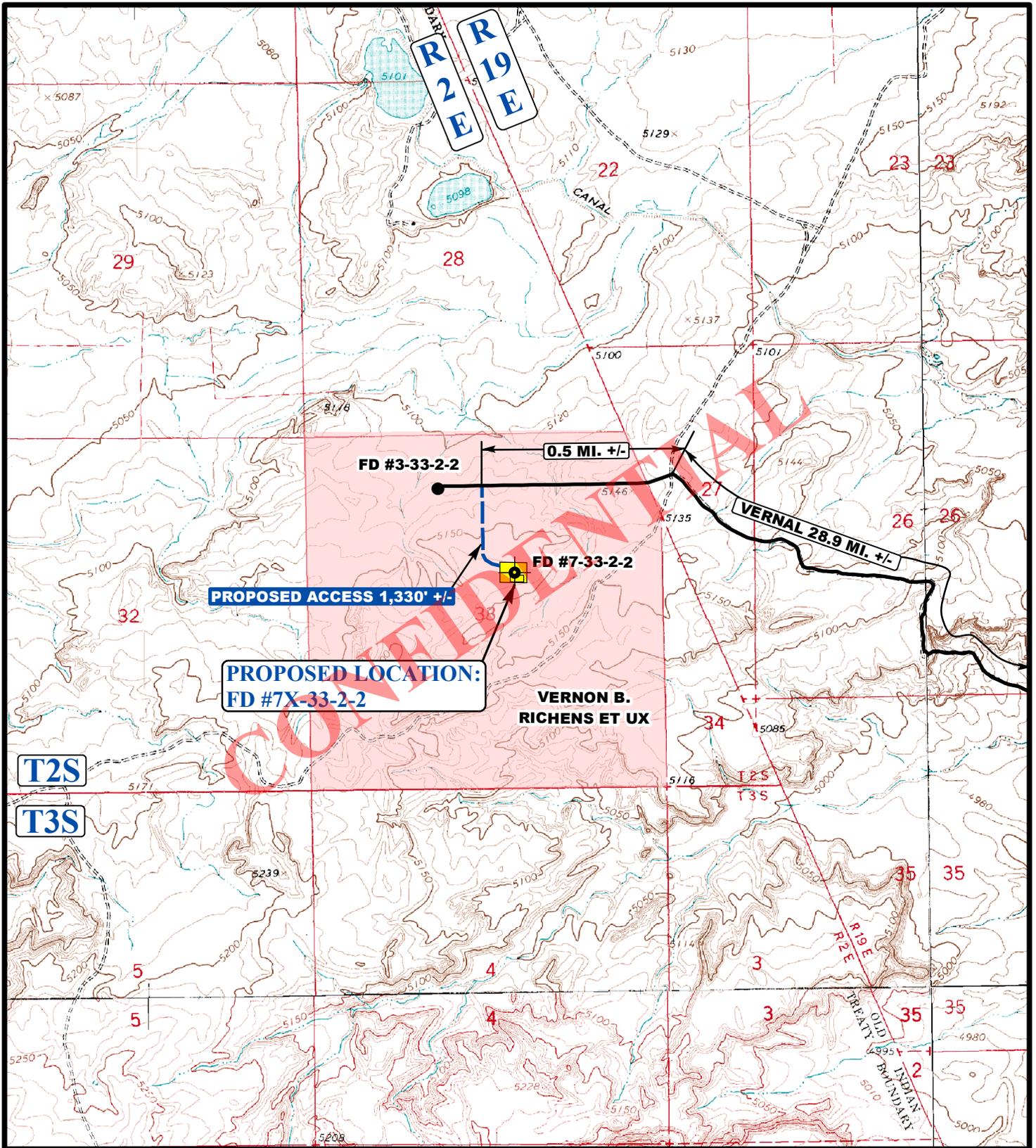
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

08 MONTH	19 DAY	13 YEAR
--------------------	------------------	-------------------



SCALE: 1:100,000 DRAWN BY: S.O. REV: 04-01-14 L.S.



LEGEND:

- EXISTING ROADS
- PROPOSED ACCESS ROAD



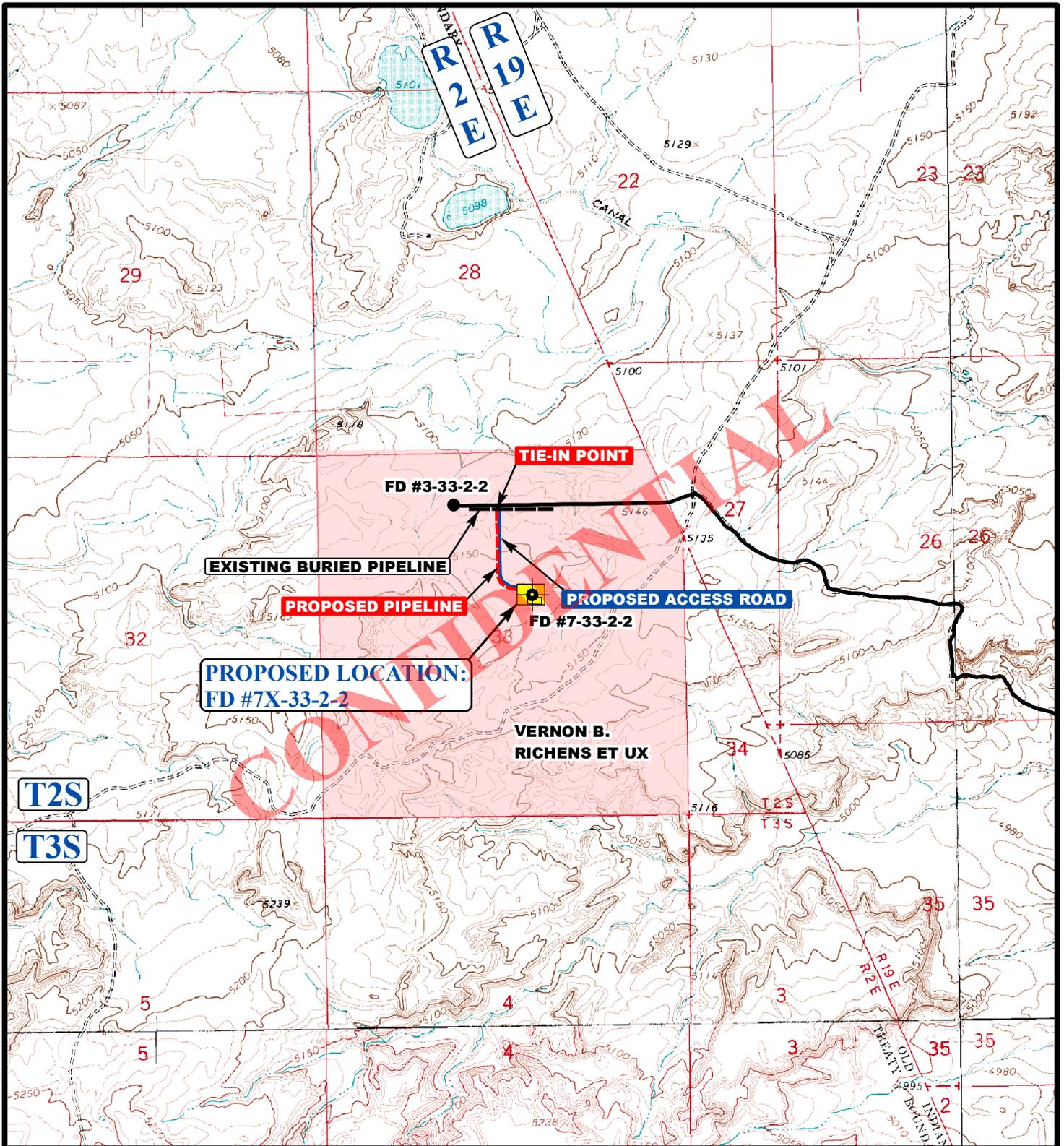
BILL BARRETT CORPORATION

FD #7X-33-2-2
SECTION 33, T2S, R2E, U.S.B.&M.
2081' FNL 2268' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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ACCESS ROAD MAP	08 MONTH	20 DAY	13 YEAR	B TOPO
SCALE: 1"= 2000'	DRAWN BY: S.O.		REV: 04-01-14 L.S.	



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,370' +/-

LEGEND:

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



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BILL BARRETT CORPORATION

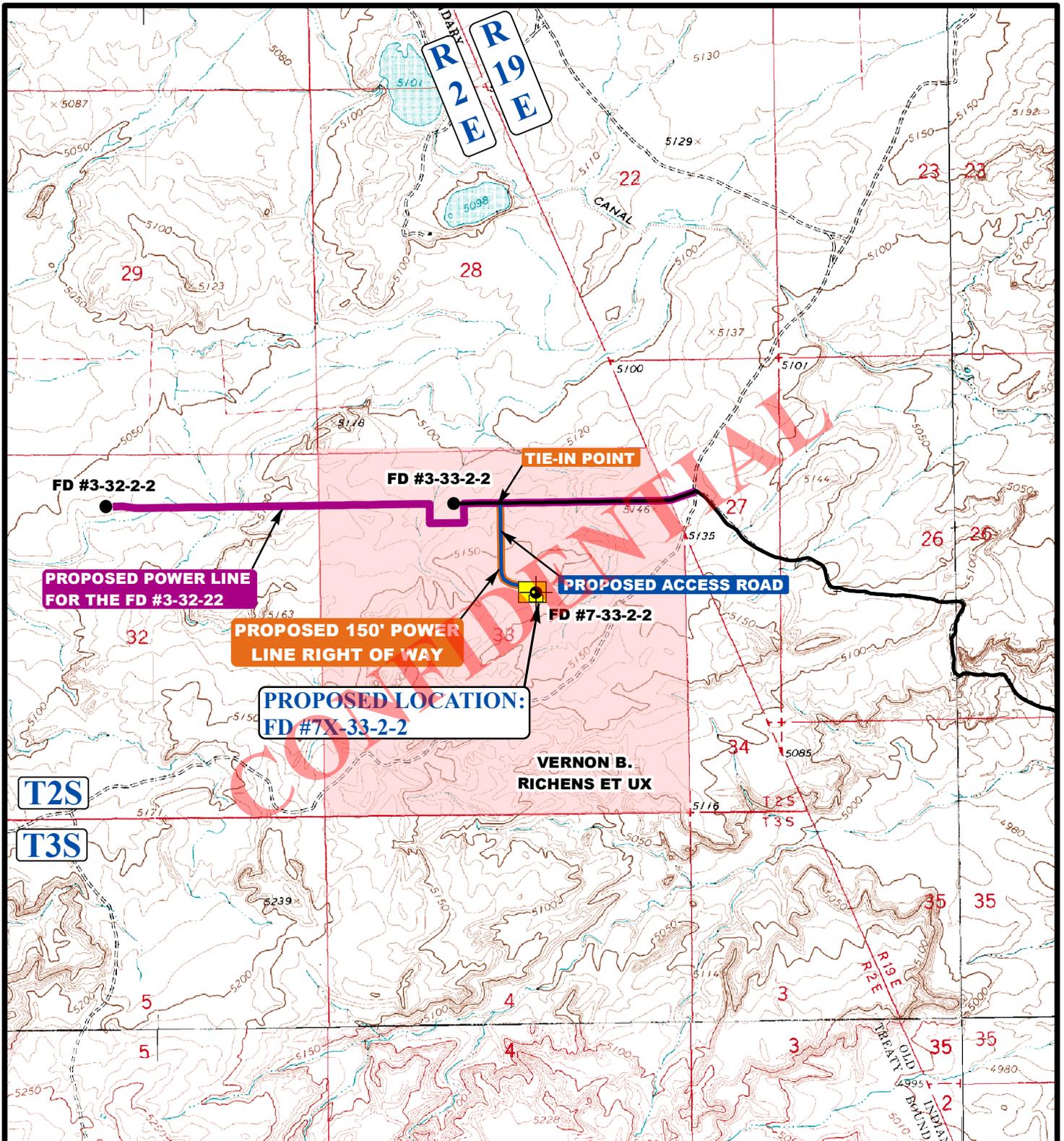
FD #7X-33-2-2
SECTION 33, T2S, R2E, U.S.B.&M.
2081' FNL 2268' FEL

TOPOGRAPHIC MAP

08 20 13
 MONTH DAY YEAR



SCALE: 1"=2000' DRAWN BY: S.O. REV: 04-01-14 L.S.



APPROXIMATE TOTAL POWER LINE DISTANCE 1,347' +/-

LEGEND:

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

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



BILL BARRETT CORPORATION

FD #7X-33-2-2
 SECTION 33, T2S, R2E, U.S.B.&M.
 2081' FNL 2268' FEL

TOPOGRAPHIC MAP

08 20 13
 MONTH DAY YEAR

SCALE: 1"=2000' DRAWN BY: S.O. REV: 04-01-14 L.S.

D
 TOPO

MEMORANDUM OF SURFACE USE AGREEMENT

State of Utah)
)
County of Uintah)

Entry 2013010121
Book 1354 Page 368 \$12.00
22-OCT-13 10:40
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
ENCORE LAND SERVICES INC
PO BOX 1729 VERNAL, UT 84078
Rec By: DEBRA ROOKS , DEPUTY

For Ten Dollars (\$10.00) and other adequate consideration, **Vernon B. Richens and Eva Diane Richens, as husband and wife with full rights of survivorship, of P.O. Box 722, Ft. Duchesne, UT 84026**, hereafter referred to as "Surface Owners" have granted, a Surface Use Agreement, to **Bill Barrett Corporation of 1099 18th Street, #2300, Denver, CO 80202**, hereafter referred to as "Bill Barrett", dated **October 21, 2013**, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from **FD 7-33-2-2** on the following land (the "Lands") in Uintah County Utah: **A tract of land lying in E/2NW/4 and SW/4NE/4 of Section 33, Township 2 South, Range 2 East, USM, Uintah County.**

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

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

Executed this 21 day of Oct, 2013.

SURFACE OWNERS:

Vernon B Richens
Vernon B. Richens

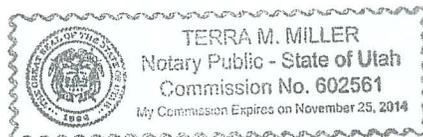
Eva Diane Richens
Eva Diane Richens

ACKNOWLEDGMENT

STATE OF UTAH }
 } SS
COUNTY OF UINTAH }

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 21st day of October, 2013, personally appeared **Vernon B. and Eva Diane Richens, in the capacity as stated above**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Terra M. Miller
Notary Public



Residing At: Vernal, UT

SURFACE USE AGREEMENT (FD 7-33-2-2)

THIS AGREEMENT Dated October 21, 2013 by and between _____

Vernon B. Richens and Eva Diane Richens, husband and wife, as joint tenants with full rights of survivorship

whose address is P. O. Box 722, Ft. Duchesne, UT 84026

Phone # (435-545-2535)

_____ , hereinafter referred to as "Surface Owners", and

Bill Barrett Corporation and its Subsidiaries , whose address is _____ 1099 18th Street, #2300, Denver, CO 80202

hereinafter referred to as "Operator".

WITNESSETH:

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

A tract of land lying in the **E/2NW/4 and SW/4NE/4, Section 33, Township 2 South, Range 2 East, USM** as further described on Exhibit "A" attached hereto and made a part hereof.

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

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

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

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

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

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

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

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

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

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

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

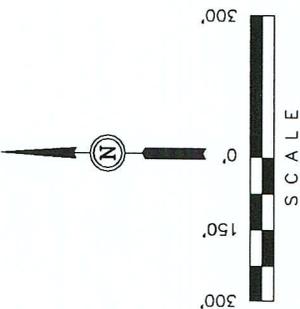
7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This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

BILL BARRETT CORPORATION

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

(For FD #7-33-2-2)

LOCATED IN SECTION 33, T2S, R2E, U.S.B.&M., UINTAH COUNTY, UTAH



BASIS OF BEARINGS

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

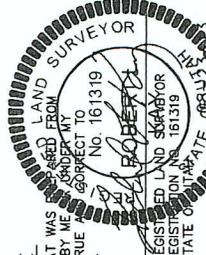
RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
VERNON B. RICHENS ET UX	1276.19	0.879	77.34

12 M. Marker
2007 Alum. Cap
0.5' High Mound
at Stones

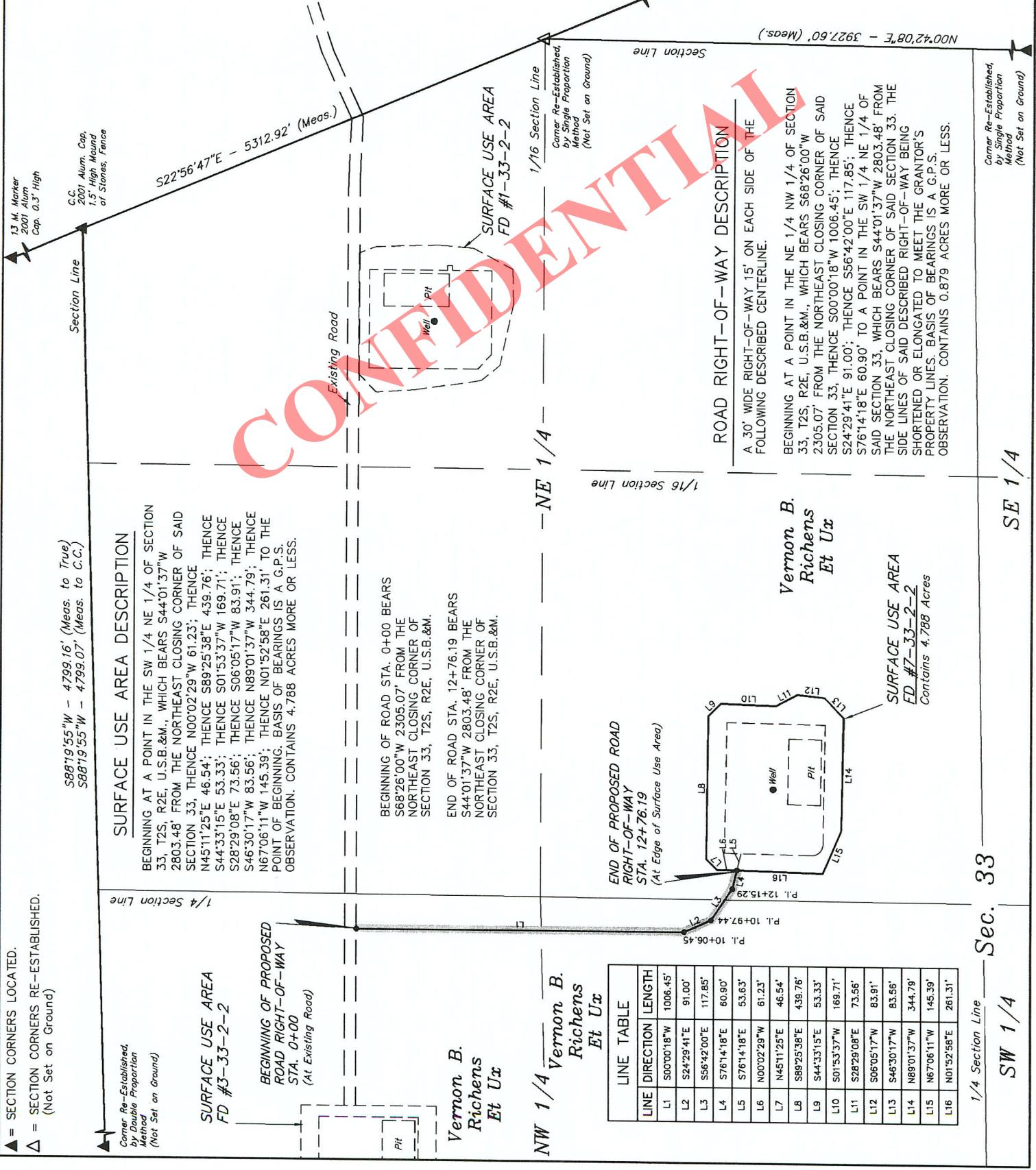
CERTIFICATE

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



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

SCALE	1" = 300'
DATE	08-21-13
PARTY	C.R. J.S. S.S.
REFERENCES	G.L.O. PLAT
WEATHER	HOT
FILE	5 4 9 3 9



CONFIDENTIAL

S88°19'55"W - 4799.16' (Meas. to True)
S88°19'55"W - 4799.07' (Meas. to C.C.)

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 33, T2S, R2E, U.S.B.&M., WHICH BEARS S44°01'37"W 2803.48' FROM THE NORTHEAST CLOSING CORNER OF SAID SECTION 33, THENCE N00°02'29"W 61.23'; THENCE N45°11'25"E 46.54'; THENCE S89°25'38"E 439.76'; THENCE S44°33'15"E 53.33'; THENCE S01°53'37"W 169.71'; THENCE S28°29'08"E 73.56'; THENCE S06°05'17"W 83.91'; THENCE S46°30'17"W 83.56'; THENCE N89°01'37"W 344.79'; THENCE N67°06'11"W 145.39'; THENCE N01°52'58"E 261.31' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.788 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS S88°26'00"W 2305.07' FROM THE NORTHEAST CLOSING CORNER OF SECTION 33, T2S, R2E, U.S.B.&M.
END OF ROAD STA. 12+76.19 BEARS S44°01'37"W 2803.48' FROM THE NORTHEAST CLOSING CORNER OF SECTION 33, T2S, R2E, U.S.B.&M.

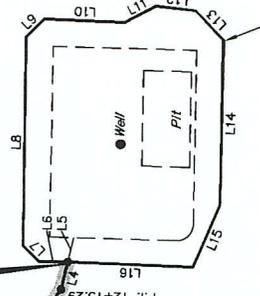
ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:
BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 33, T2S, R2E, U.S.B.&M., WHICH BEARS S68°26'00"W 2305.07' FROM THE NORTHEAST CLOSING CORNER OF SAID SECTION 33, THENCE S00°00'18"W 1006.45'; THENCE S24°29'41"E 91.00'; THENCE S56°42'00"E 117.85'; THENCE S76°14'18"E 60.90' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 33, WHICH BEARS S44°01'37"W 2803.48' FROM THE NORTHEAST CLOSING CORNER OF SAID SECTION 33. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.879 ACRES MORE OR LESS.

Vernon B. Richens Et Ux

SURFACE USE AREA FD. #7-33-2-2
Contains 4.788 Acres

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 12+76.19 (At Edge of Surface Use Area)



LINE	DIRECTION	LENGTH
L1	S00°00'18"W	1006.45'
L2	S24°29'41"E	91.00'
L3	S56°42'00"E	117.85'
L4	S76°14'18"E	60.90'
L5	S76°14'18"E	53.63'
L6	N00°02'29"W	61.23'
L7	N45°11'25"E	46.54'
L8	S89°25'38"E	439.76'
L9	S44°33'15"E	53.33'
L10	S01°53'37"W	169.71'
L11	S28°29'08"E	73.56'
L12	S06°05'17"W	83.91'
L13	S46°30'17"W	83.56'
L14	N89°01'37"W	344.79'
L15	N67°06'11"W	145.39'
L16	N01°52'58"E	261.31'

Vernon B. Richens Et Ux

NW 1/4 Vernon B. Richens Et Ux

Sec. 33

1/4 Section Line

SW 1/4

SE 1/4

Corner Re-Established by Single Proportion Method (Not Set on Ground)

▲ = SECTION CORNERS LOCATED.
△ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground)

Corner Re-Established by Double Proportion Method (Not Set on Ground)

SURFACE USE AREA FD #3-33-2-2

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

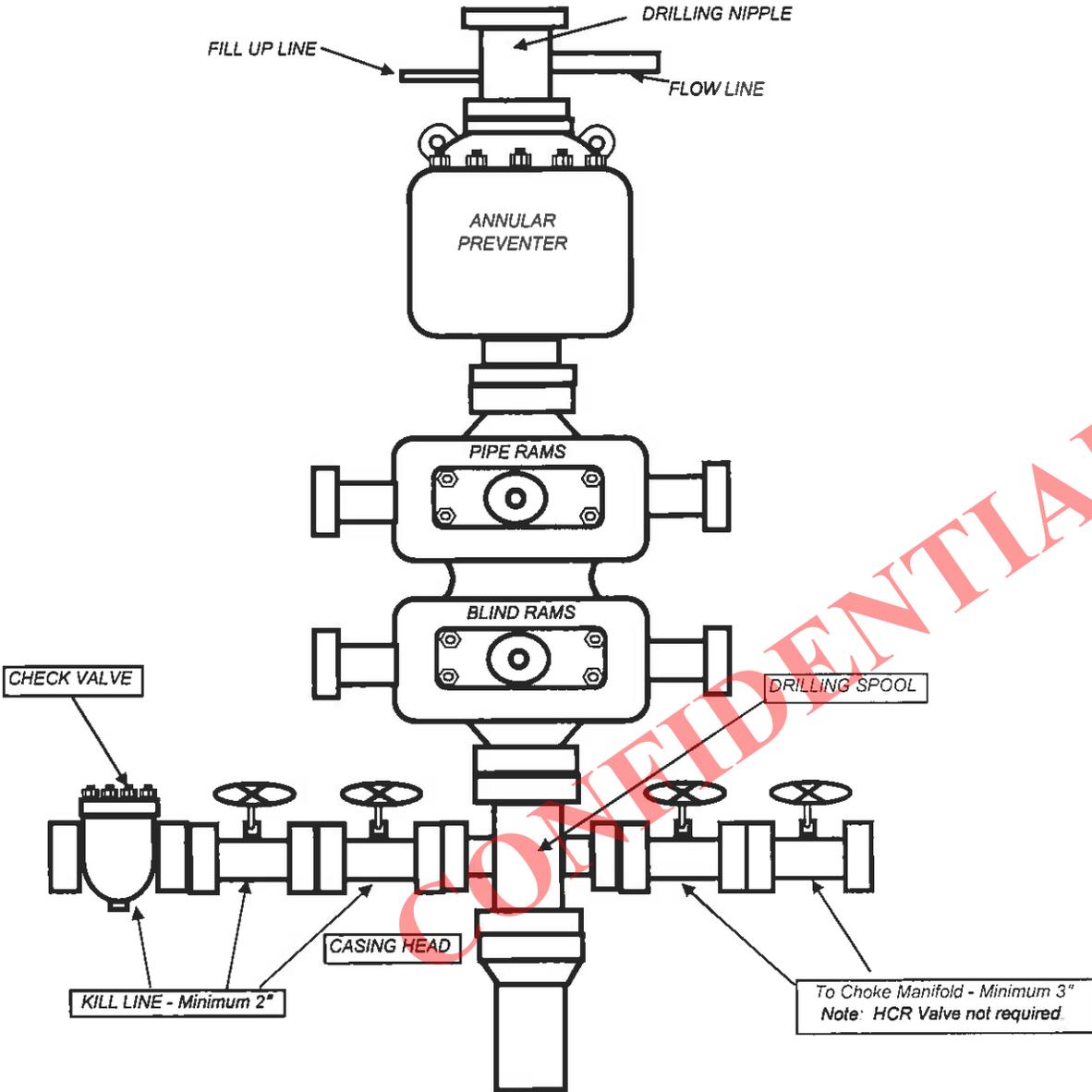
Pit

Well

Pit

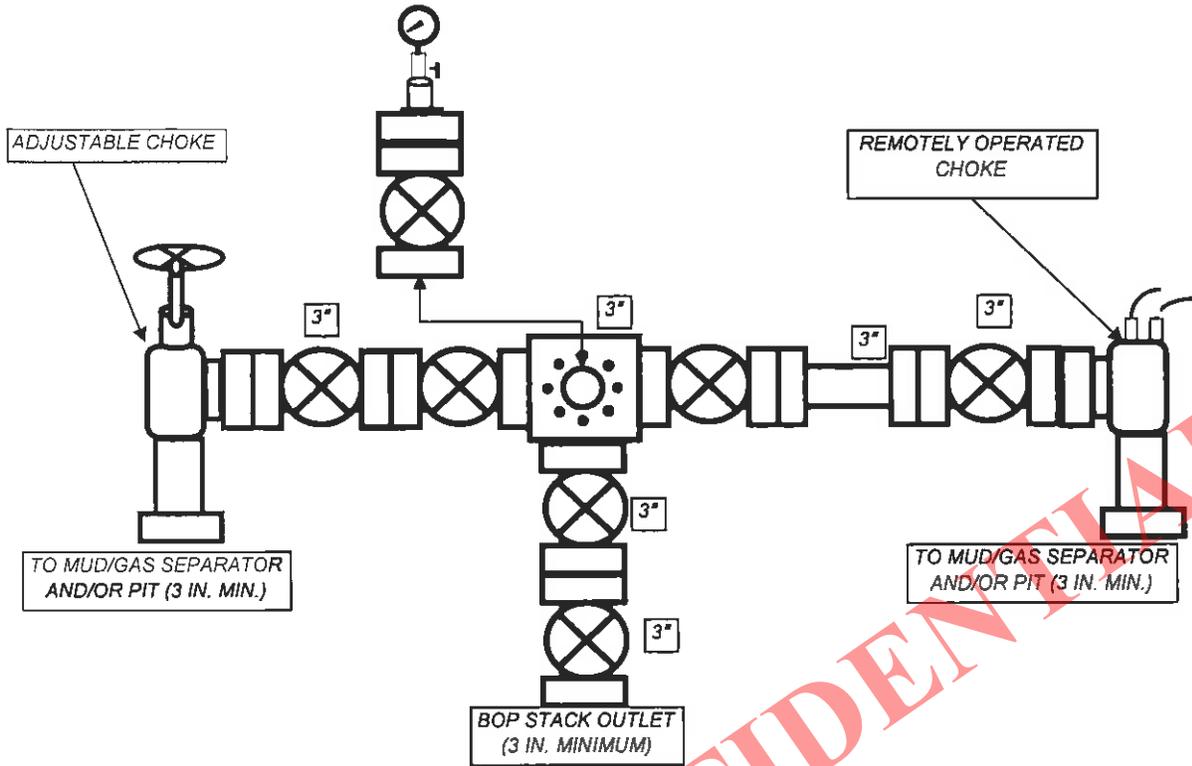
BILL BARRETT CORPORATION

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

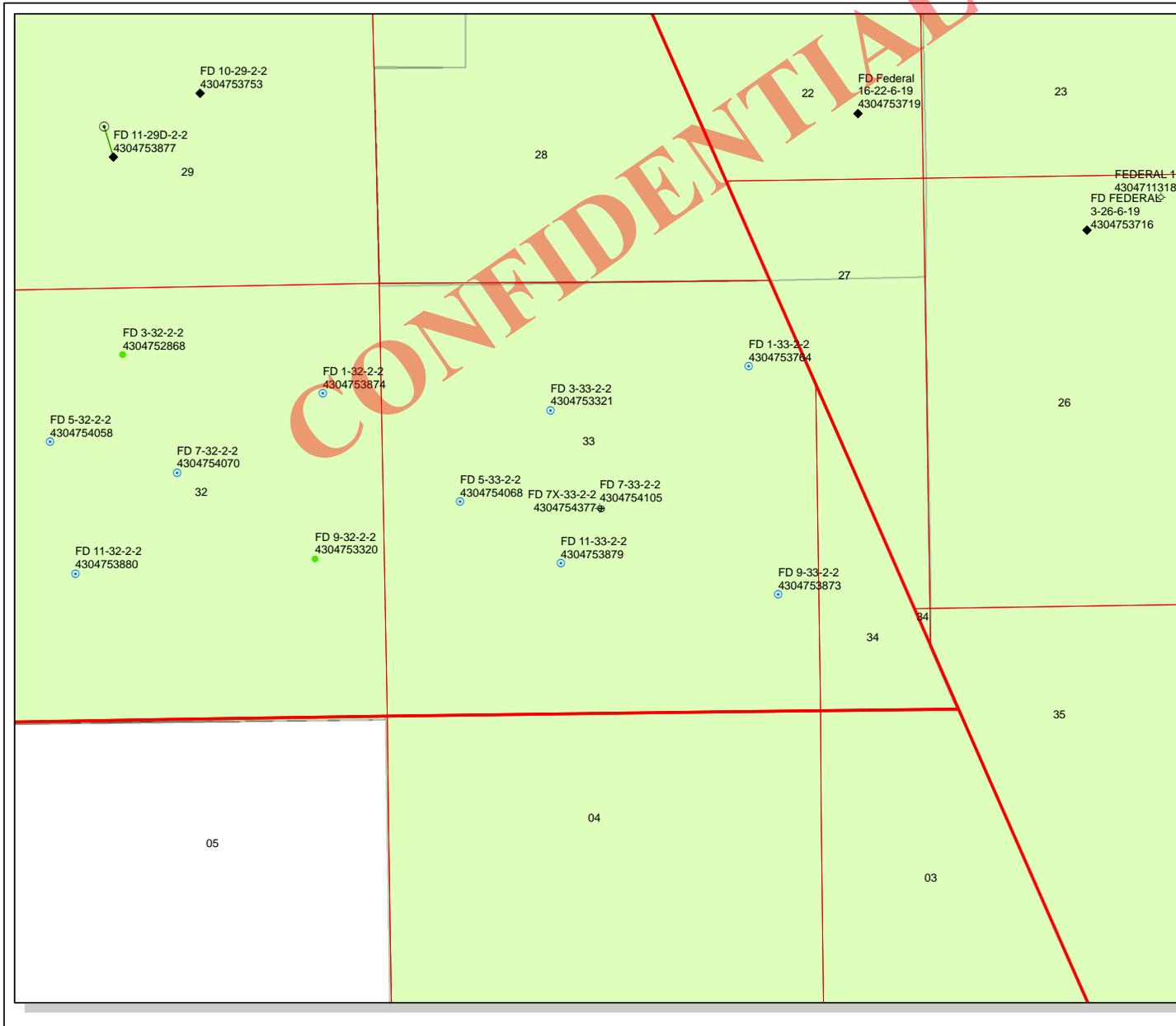


BILL BARRETT CORPORATION

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



CONFIDENTIAL



API Number: 4304754377

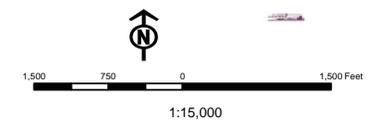
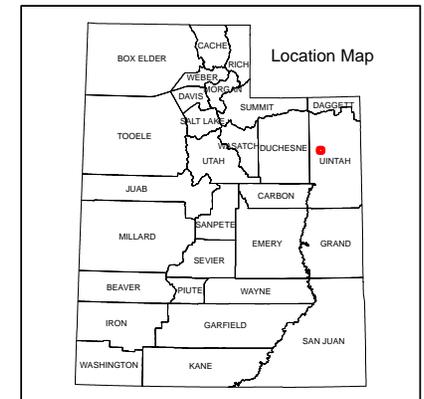
Well Name: FD 7X-33-2-2

Township: T02.0S Range: R02.0E Section: 33 Meridian: U

Operator: BILL BARRETT CORP

Map Prepared: 4/9/2014
Map Produced by Diana Mason

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



Well Name	BILL BARRETT CORP FD 7X-33-2-2 43047543770000			
String	Cond	Surf	Prod	
Casing Size(")	16.000	8.625	5.500	
Setting Depth (TVD)	80	1200	9689	
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)	4786		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

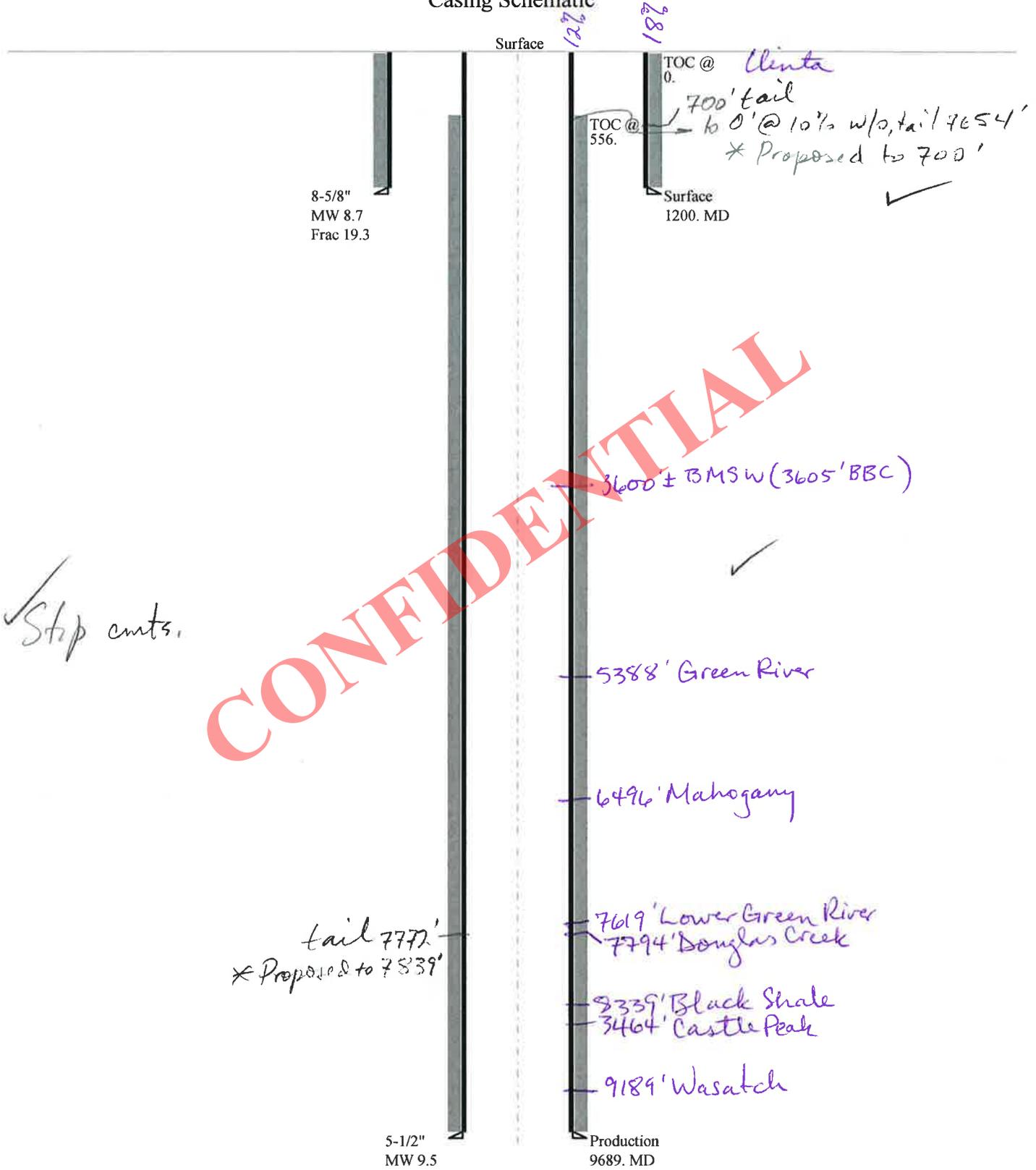
Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	543	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	399	YES rotating head or diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	279	YES Ok
			*Can Full Expected Pressure 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=	4786	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3623	YES 5M BOPE with annular, dbl rams, choke & kill lines
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2654	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2918	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

43047543770000 FD 733-2-2

Casing Schematic



Well name:	43047543770000 FD 733-2-2	
Operator:	BILL BARRETT CORP	Project ID:
String type:	Surface	43-047-54377
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
 Annular backup: 1.50 ppg

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)

Non-directional string.

Re subsequent strings:

Next setting depth: 9,689 ft
 Next mud weight: 9.500 ppg
 Next setting BHP: 4,782 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 1,200 ft
 Injection pressure: 1,200 psi

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

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	1106	2950	2.67	25	244	9.74 J

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

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

Date: April 22, 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:	43047543770000 FD 733-2-2	
Operator:	BILL BARRETT CORP	
String type:	Production	Project ID: 43-047-54377
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: 210 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 556 ft

Burst

Max anticipated surface pressure: 2,650 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,782 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)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 8,293 ft

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	9689	5.5	17.00	I-80	LT&C	9689	9689	4.767	108711
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	4782	6290	1.315	4782	7740	1.62	141	320	2.27 J

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

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

Date: April 22, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9689 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.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/3/2014

API NO. ASSIGNED: 43047543770000

WELL NAME: FD 7X-33-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNE 33 020S 020E

Permit Tech Review:

SURFACE: 2081 FNL 2268 FEL

Engineering Review:

BOTTOM: 2081 FNL 2268 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.26727

LONGITUDE: -109.77409

UTM SURF EASTINGS: 604238.00

NORTHINGS: 4457933.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

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

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

LOCATION AND SITING:

 PLAT R649-2-3. Bond: STATE/FEE - LPM4138148

Unit:

 Potash R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 Drilling Unit Water Permit: 49-1645

Board Cause No: Cause 139-106

 RDCC Review:

Effective Date: 11/14/2013

 Fee Surface Agreement

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

 Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed
RIGSKID TO 4304754105:

Stipulations: 3 - Commingling - ddoucet
12 - Cement Volume (3) - hmacdonald
22 - Rigskid - bhill
25 - Surface Casing - hmacdonald



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FD 7X-33-2-2

API Well Number: 43047543770000

Lease Number: fee

Surface Owner: FEE (PRIVATE)

Approval Date: 4/22/2014

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 Cause 139-106. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Commingling:

In accordance with Board Cause No. 139-106, commingling of the production from the Wasatch formation and the Lower Green River formation in this well is allowed.

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:

All conditions of approval in the Statement of Basis and RDCC comments from the FD 7-33-2-2 well permit apply to the FD 7X-33-2-2 well permit.

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 700' MD as indicated in the submitted drilling plan and tail cement brought to 500' above the top of Lower Green River (approximately 7120').

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

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

Approved By:

Approved by:

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

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 7X-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047543770000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext
	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 2268 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 33 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/16/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Drilling Contractor: Triple A Drilling LLC. Rig #: TA 4037 Rig Type:
 Soilmec SR/30 Spud Date: 4/16/2014 Spud Time: 8:00 AM Commence
 Drilling approximate start date: 5/15/2014

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 April 23, 2014**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/22/2014	

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

Spud notice - FD 7X-33-2-2

3 messages

Utah Rig2 <utahrig2@billbarrettcorp.com>

Wed, Jun 4, 2014 at 6:57 AM

To: Brady Riley <briley@billbarrettcorp.com>, Utah Rig2 <utahrig2@billbarrettcorp.com>, carol daniels <caroldaniels@utah.gov>, dennis ingram <dennisingram@utah.gov>, richard powell <richardpowell@utah.gov>, Tracey Fallang <tfallang@billbarrettcorp.com>

This is a redo of the FD 7-33-2-2 where the csg got stuck and could not be retrieved. Not sure if API # is the same as the old one or not. Any questions or information – 970-234-9995. Thanks, Pat Clark

 **FD 7X-33-2-2 SpudNOTIFICATION FORM.docx**
18K

Brady Riley <briley@billbarrettcorp.com>

Wed, Jun 4, 2014 at 7:05 AM

To: Utah Rig2 <utahrig2@billbarrettcorp.com>, carol daniels <caroldaniels@utah.gov>, dennis ingram <dennisingram@utah.gov>, richard powell <richardpowell@utah.gov>
Cc: Tracey Fallang <tfallang@billbarrettcorp.com>

Here is the updated API for the FD 7X-33-2-2

43-047-54377-0000

33 2S 2E

Thanks,

Brady Riley

BILL BARRETT CORPORATION

1099 18th Street | Suite 2300

Denver, CO 80202

D 303.312.8115

C 720.402.7541

F 303.291.0420

briley@billbarrettcorp.com

www.billbarrettcorp.com



From: Utah Rig2
Sent: Wednesday, June 04, 2014 6:58 AM
To: Brady Riley; Utah Rig2; carol daniels; dennis ingram; richard powell; Tracey Fallang
Subject: Spud notice - FD 7X-33-2-2

This is a redo of the FD 7-33-2-2 where the csg got stuck and could not be retrieved. Not sure if API # is the same as the old one or not. Any questions or information – 970-234-9995. Thanks, Pat Clark

20140422 FD 7X-33-2-2 APVD STATE APD.pdf
4838K

Brady Riley <briley@billbarrettcorp.com>
To: "caroldaniels@utah.gov" <caroldaniels@utah.gov>

Mon, Jun 9, 2014 at 7:27 AM

Carol, this will help with your voice mail you left me on Friday.

Please disregard the email below that we got on June 4th. Everything I have submitted for the 7X-33-2-2 is correct.

Brady Riley

BILL BARRETT CORPORATION

1099 18th Street | Suite 2300

Denver, CO 80202

D 303.312.8115

C 720.402.7541

F 303.291.0420

briley@billbarrettcorp.com

www.billbarrettcorp.com



From: Utah Rig2
Sent: Wednesday, June 04, 2014 3:07 PM
To: Brady Riley
Subject: RE: Spud notice - FD 7X-33-2-2

CONFIDENTIAL

Disregard – Jack F asked me to notify, he must not have known that it was already done. Thanks, Pat

From: Brady Riley
Sent: Wednesday, June 04, 2014 7:06 AM
To: Utah Rig2
Subject: RE: Spud notice - FD 7X-33-2-2

Assuming this is for the surface/big rig spud? We already had the conductor spud email.

Brady Riley

BILL BARRETT CORPORATION

1099 18th Street | Suite 2300

Denver, CO 80202

D 303.312.8115

C 720.402.7541

F 303.291.0420

briley@billbarrettcorp.com

www.billbarrettcorp.com



From: Utah Rig2
Sent: Wednesday, June 04, 2014 6:58 AM
To: Brady Riley; Utah Rig2; carol daniels; dennis ingram; richard powell; Tracey Fallang
Subject: Spud notice - FD 7X-33-2-2

This is a redo of the FD 7-33-2-2 where the csg got stuck and could not be retrieved. Not sure if API # is the same as the old one or not. Any questions or information – 970-234-9995. Thanks, Pat Clark

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# PRO-PETRO 10 Submitted
 By Pat Clark Phone Number 303-353-5374
 Well Name/Number FD 7X-33-2-2
 Qtr/Qtr SW/NW Section 33 Township 2S Range 2E
 Lease Serial Number _____
 API Number 43-047-54377

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 6/4/14 8:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks PLEASE CALL WITH ANY QUESTIONS OR CONCERNS

CONFIDENTIAL

Carol Daniels <caroldaniels@utah.gov>

SWNE S-33 T02S R02E FEE LEASE

**Notificaton Bill Barrett Capstar 328 intent to run 5 1/2" production casing and
cement FD 7X-33-2-2 43 047 54377**

1 message

Utah Rig <UtahRig1@billbarrettcop.com>

Wed, Jun 18, 2014 at 6:16 AM

To: Brady Riley <briley@billbarrettcop.com>, Carol Daniels <caroldaniels@utah.gov>, Dennis Ingram
<dennisingram@utah.gov>, Richard Powell <richardpowell@utah.gov>, Tracey Fallang
<tfallang@billbarrettcop.com>

Cc: Brent Murphy <BMurphy@billbarrettcop.com>

Bill Barrett intends to run casing and cement 6.19.2014, any questions 303.353.5425, thanks, Jeffrey J. Johnson

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FD 7X-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43047543770000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 2268 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Attached is the June 2014 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 03, 2014		
NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 7/3/2014

**FD 07X-33-2-2 6/3/2014 05:30 - 6/4/2014 06:00**

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
05:30	1.00	06:30	1	RIGUP & TEARDOWN	
06:30	10.50	17:00	2	DRILL ACTUAL	Air mist f/80' t/1255'.
17:00	0.50	17:30	21	OPEN	Unload hole.
17:30	6.50	00:00	6	TRIPS	Tooh, tih reaming t/btm f/890'.
00:00	1.00	01:00	5	COND MUD & CIRC	Spot drlg mud t/run surface casing.
01:00	2.00	03:00	6	TRIPS	LD drill stem.
03:00	3.00	06:00	12	RUN CASING & CEMENT	PU GS, shoe jt, FC, 28 jts 8 5/8" 24# J55 w/8 bow spring centralizers, casing landed @1235.4 GL.

FD 07X-33-2-2 6/4/2014 06:00 - 6/5/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.50	10:30	12	RUN CASING & CEMENT	Wash last 10 jts t/btm. Held pre job safety meeting w/cmtrs. Pump 40 bbls spacer, 150 sx lead cmt @ 11ppg, 102 bbls, 360 sx tail cmt @ 15.8 ppg, 74 bbls slurry. Drop plug, displace w/74 bbls fresh water. Bump plug t/500 psi over differential, held 1000 psig, bled off float held, hole stayed full. RD cmtrs.

FD 07X-33-2-2 6/11/2014 21:30 - 6/12/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
21:30	5.00	02:30	14	NIPPLE UP B.O.P	NIPPLE UP B.O.P.
02:30	3.50	06:00	15	TEST B.O.P	TEST LOWER KELLY VALVE, SAFETY VALVE, PIPE RAMS INSIDE VALVES, HCR, OUTSIDE KILL LINE VALVES, CHOKE LINE, CHECK VALVE, UPRIGHT GAGE VALVE, BLIND RAMS, AND INSIDE MANIFOLD VALVES ALL TO 5000PSI FOR 10 MIN. - TEST ANNULAR TO 2500PSI - SUPER CHOKE 500PSI 5MIN. - TEST CSG TO 1500PSI FOR 30MIN. TESTED USING B&C QUICK TEST.

FD 07X-33-2-2 6/12/2014 06:00 - 6/13/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	21	OPEN	LOAD & STRAP BHA, PRE SPUD INSPECTION
08:00	0.50	08:30	21	OPEN	SET WEAR BUSHING
08:30	2.00	10:30	20	DIRECTIONAL WORK	MAKE UP DIR. TOOLS, SCRIBE
10:30	1.50	12:00	6	TRIPS	TIH
12:00	1.50	13:30	8	REPAIR RIG	WORK ON DRAWWORKS BRAKE BANDS
13:30	0.50	14:00	7	LUBRICATE RIG	RIG SERVICE
14:00	1.50	15:30	2	DRILL ACTUAL	DRILL OUT CEMENT, FLOAT, SHOE AND 20' OF NEW HOLE TO 1255'
15:30	1.00	16:30	15	TEST B.O.P	MIX & PUMP 20 BBL LCM PILL, PULL UP INTO CASING, RUN EMW TEST USING 10.5PPG EMW, 130 PSI HELD FOR 5 MIN. LOST 15 PSI
16:30	13.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/1255' - T/3191' - 1936' @ 143.4'/HR. WOB = 12K, 55RPM, 545 GPM, 1875PSI

FD 07X-33-2-2 6/13/2014 06:00 - 6/14/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILL ACTUAL F/3191' - 4203' - 1012' @ 106.5'/HR. WOB=16K, 55RPM, 500 GPM, 1900 PSI
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	14.00	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/4203' - T/5299' - 1096 @ 78.3'/HR. WOB=17, 45RPM, 500 GPM, 2000PSI

**FD 07X-33-2-2 6/14/2014 06:00 - 6/15/2014 06:00**

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILL ACTUAL F/5299' - T/5552' - 253' @ 26.6'/HR., WOB=30K, 65RPM, 500GPM, 2000PSI
15:30	2.00	17:30	5	COND MUD & CIRC	PUMP HIGH VIS SWEEP, CIRCULATE, PULL 5 JTS, WET, FLOW CHECK, SMALL AMOUNT OF FLOW, PUMP SLUG
17:30	5.00	22:30	6	TRIPS	TOOH FOR BIT CHANGE, FLOW CHECK AT 4000', NO FLOW
22:30	1.00	23:30	20	DIRECTIONAL WORK	CHECK TOOL, CHANGE OUT BIT
23:30	6.50	06:00	6	TRIPS	TIH

FD 07X-33-2-2 6/15/2014 06:00 - 6/16/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.50	15:30	2	DRILL ACTUAL	DRILL ACTUAL F/5552' - T/5787' - 235' @ 24.7'/HR., WOP = 24K, RPM=60, 500GPM, 2000PSI
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE
16:00	11.50	03:30	2	DRILL ACTUAL	DRILL ACTUAL F/5787' - T/6167' - 380' @ 33'/HR. WOB=25K, RPM=50, GPM=540, 2400PSI
03:30	2.00	05:30	20	DIRECTIONAL WORK	LAY DOWN 3 JTS, DOWNLINK TOOL, TRIP 3 JTS IN, DOWNLINK TOOL
05:30	0.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/6167' - T/6175'

FD 07X-33-2-2 6/16/2014 06:00 - 6/17/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	DRILL ACTUAL F/6175' - T/6546' - 371' @ 37.1'/HR, WOB=26K,55RPM, 560GPM, 2380PSI
16:00	0.50	16:30	7	LUBRICATE RIG	RIG SERVICE
16:30	13.50	06:00	2	DRILL ACTUAL	DRILL ACTUAL F/6546' - T/7052' - 506' @ 37.5'/HR, WOB=26K, RPM=50, 530GPM, 2775PSI

FD 07X-33-2-2 6/17/2014 06:00 - 6/18/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Rotary drl f/7052' t/7432'
16:30	0.50	17:00	7	LUBRICATE RIG	Rig service
17:00	13.00	06:00	2	DRILL ACTUAL	Rotary drl f/7432' t/7945', no issues.

FD 07X-33-2-2 6/18/2014 06:00 - 6/19/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	8.00	14:00	2	DRILL ACTUAL	Rotary drl f/7945' t/8359'.
14:00	0.50	14:30	7	LUBRICATE RIG	Rig service
14:30	7.50	22:00	2	DRILL ACTUAL	Rotary drl f/8359' t/8687', suspect MM failure, increae WOB, no ROP and no differential.
22:00	1.50	23:30	5	COND MUD & CIRC	Down link MWD, circ btms up, BGG of 150 units, pump dry job, flow ck, flow of 17 bph after 1 hour pumps off. Place pumps on hole, increase trip margin t/9.6 ppg, btms up 1000 units, no oil or flare.
23:30	5.00	04:30	5	COND MUD & CIRC	Slowly increase MW t/ trip margin of 9.6 ppg in & out, no oil across shakers, check for increase in Chlorides, no significant increase.
04:30	1.00	05:30	21	OPEN	Flow check, no flow, build dry job.
05:30	0.50	06:00	6	TRIPS	Pump dry job, tooh.

FD 07X-33-2-2 6/19/2014 06:00 - 6/20/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.00	15:00	6	TRIPS	Tooh, flow check @ 5000', csg shoe @ 1200', no flow.	
15:00	2.00	17:00	20	DIRECTIONAL WORK	LD DBR bit & MM, PU reconditioned 7 7/8" Security, PU MM & scribe tools. Function test pipe & blind rams on trip, recorded in IADC. Calculated hole volume on trip was 52 bbls, actual fill 69 bbls.	
17:00	9.00	02:00	6	TRIPS	Tih, fill and check MM @ 1524', tih. Wash t/btm, fan on bottom, due to possible junk in hole from DBR bit, send high visc sweeps, no signs of junk. Hole seeping, send high LCM sweeps to heal losses.	
02:00	4.00	06:00	2	DRILL ACTUAL	Rotary drl f/8687' t/ 8990', hole seeping, LCM content of drlg mud 10%	

FD 07X-33-2-2 6/20/2014 06:00 - 6/21/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	8.00	14:00	2	DRILL ACTUAL	Rotary drl f/8990' t/CP-TD @ 9201'.	
14:00	3.00	17:00	5	COND MUD & CIRC	Send two high visc LCM sweeps, shakers clean, pump dry job, flow check f/30 minutes, no flow.	
17:00	8.00	01:00	6	TRIPS	LD DP, HWDP. Calculated fill 54 bbls, actual 65 bbls.	
01:00	1.00	02:00	20	DIRECTIONAL WORK	LD MWD & MM, break off bit.	
02:00	4.00	06:00	12	RUN CASING & CEMENT	Pull wear bushing, function test rams. RU floor t/run production casing. PU FS, 2 shoe jts, FC, rih w/5 1/2" 17# LTC I 80 casing, shoe @ 1842' @ 6:00 am. Running casing @ 1ft/sec.	

FD 07X-33-2-2 6/21/2014 06:00 - 6/22/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	12.00	18:00	12	RUN CASING & CEMENT	Rih w/production casing, brk circ every 1000'. Tag bridge @ 4481', packed off, ld 1 jt, circ btms up, wash 2 jts thru bridges, circ 3 more jts w/no issues. Circ btms up @5500', no losses, brk circ @ 6500', circ btms up @ 7530', no losses, brk circ @ 8504', no issues, wash csg t/btm f/ 9000', no fill, full returns.	
18:00	4.00	22:00	5	COND MUD & CIRC	Circ & condition, reciprocate casing one full circulation. Install casing mandrel & rotating rubber. Circ btms up reducing Yield point 10 and plastic visc 12 for cement job.	
22:00	3.00	01:00	12	RUN CASING & CEMENT	Held pre job safety meeting w/Halliburton. RU cmt head & test lines t/5k psig. Pump 40 bbl tuned spacer @ 10.5 ppg, 5 bbls FW, 20 bbls Super Flush @ 10 ppg, 5 bbls FW, 550 sx lead cmt @ 11 ppg, 229 bbls slurry, 725 sx tail cmt @ 13.5ppg, 187 bbls slurry. drop plug, displace w/211 bbls FW w/Cla Sta & Bio Cide, Bump plug t/2300 psig, 500 over differential of 1800 psi, lost partial returns w/125 bbls displacement gone, 1/4 bpm f/160 bbls t/plug bump, no signs of cement t/surface, preflush & super flush, held f/5 minutes, no leaks, bled off floats held. RD Halliburton.	
01:00	5.00	06:00	1	RIGUP & TEARDOWN	Lay down landing joint, ND Bope, install pack off & nite cap. Clean pits, release rotary tools @ 6:00 am t/ FD Federal 3-26-6-19.	

FD 07X-33-2-2 6/24/2014 06:00 - 6/25/2014 06:00

API 43-047-54377	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,201.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.00	15:00	LOGG	Logging	TRAVEL HSM MIRU HES LOGGING. RIH W/ GR/JB TO TAG FILL AT 9055'. DRLG SHOWS FC AT 9096' (41' FILL). RUN RMT/RBL LOG. SHOWS GOOD CMT TD TO 3422' FAIR CMT 3422'-2874'. TOC EST AT 2874'. SHORT JOINTS AT 7608'-7632' & 8322'-8346'. RDMO HES.	
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	SDFN LOCK AND SECURE WELL	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD 7X-33-2-2	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047543770000	
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 2268 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/16/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
THIS WELL HAD FIRST PRODUCTION ON 7/16/14 AND FIRST GAS SALES ON 7/17/14			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 28, 2014			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 7/24/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 7X-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047543770000
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: 2081 FNL 2268 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 33 Township: 02.0S Range: 02.0E Meridian: U	9. FIELD and POOL or WILDCAT: MOFFAT CANAL
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/28/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THIS WELL HAD FIRST OIL SALES ON 7/28/14

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 August 13, 2014**

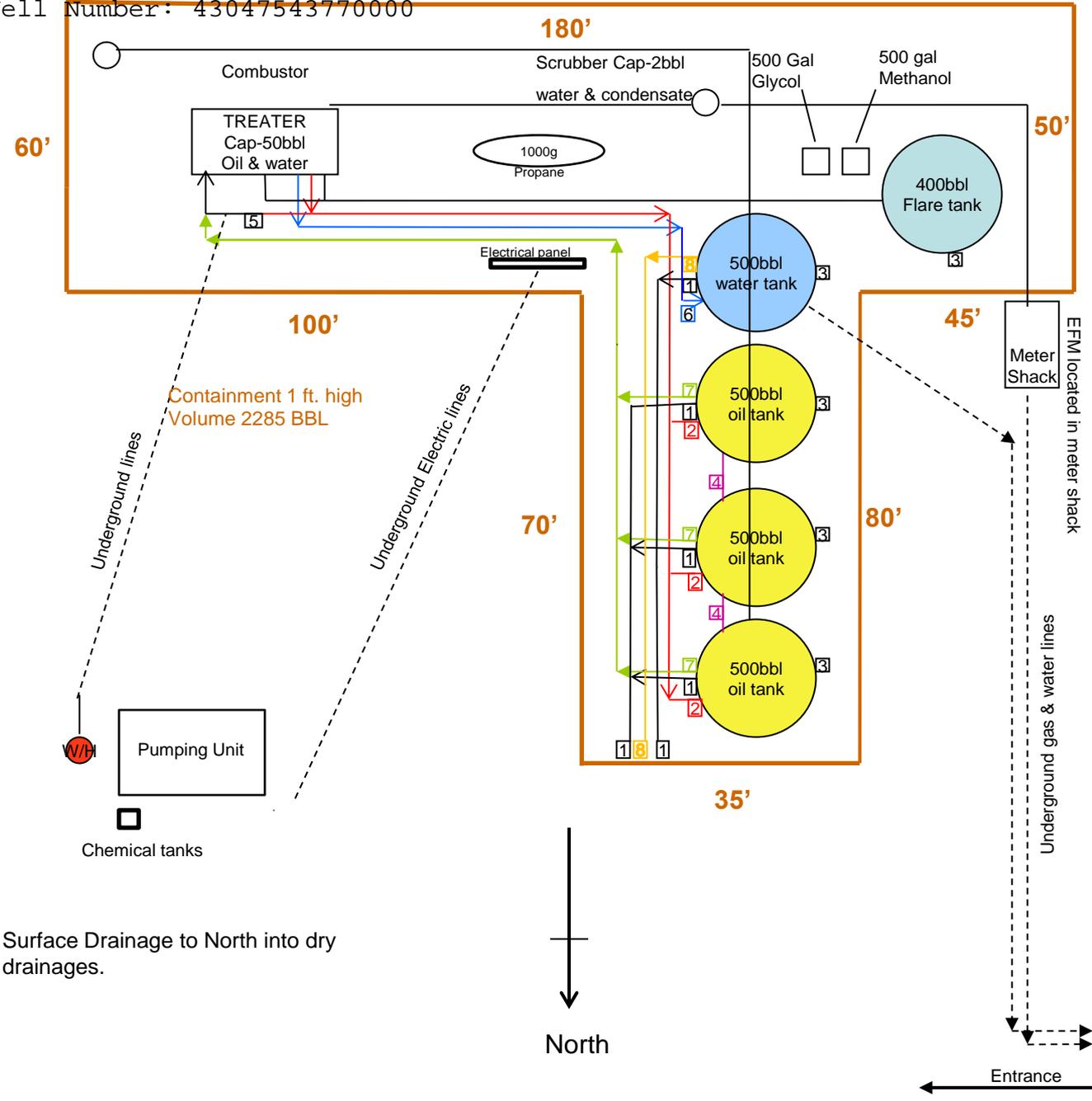
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/12/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
		8. WELL NAME and NUMBER: FD 7X-33-2-2
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43047543770000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: MOFFAT CANAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 2268 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/6/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input 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="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/SECURITY PLAN FOR THIS WELL		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 19, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/6/2014	

BILL BARRETT CORPORATION
 FEE
 FD 7X-33-2-2
 SW¼ NE¼ SEC 33,T2S, R2E,
 Lease # FEE
 API # 43-047-54377
 Uintah Co. Utah

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

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



Surface Drainage to North into dry drainages.

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

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR: Bill Barrett Corporation		8. WELL NAME and NUMBER: FD 7x-33-2-2
3. ADDRESS OF OPERATOR: 1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4304754377
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2081 FNL 2268 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 2068 FNL 2248 FEL AT TOTAL DEPTH: 2290 FNL 2247 FEL		10 FIELD AND POOL, OR WILDCAT WILDCAT
14. DATE SPUNNED: 4/16/2014		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 33 2S 2E U
15. DATE T.D. REACHED: 6/20/2014		12. COUNTY Uintah
16. DATE COMPLETED: 7/16/2014 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		13. STATE UTAH
17. ELEVATIONS (DF, RKB, RT, GL): 5158 GL		
18. TOTAL DEPTH: MD 9,201 TVD 9,199	19. PLUG BACK T.D.: MD 9,007 TVD 9,005	20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE MD PLUG SET: TVD		

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/Triple Combo/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
24	16 Conq	65#	0	80	80			0	
12 1/4	8 5/8 J-55	24#	0	1,255	1,235	Lead 150	102	0	
						Tail 360	74		
7 7/8	5 1/2 I-80	17#	0	9,201	9,187	Tuned 545	227	3610	
						ECON 725	187		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	7,769							

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	7,720	9,016			7,720 9,016	.38	180	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
7,720' - 9,016'	Green River: See attached Stage 1-4

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

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 7/16/2014		TEST DATE: 7/25/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 139	GAS – MCF: 45	WATER – BBL: 228	PROD. METHOD: Flowing
CHOKE SIZE: 64/64	TBG. PRESS. 400	CSG. PRESS. 200	API GRAVITY 31.00	BTU – GAS 1	GAS/OIL RATIO 323	24 HR PRODUCTION RATES: →	OIL – BBL: 139	GAS – MCF: 45	WATER – BBL: 228	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	5,441
				Mahogany	6,582
				TGR3	7,717
				Douglas Creek	7,873
				Black Shale Facies	8,388
				Castle Peak	8,475
				Uteland Butte	8,670
				Wasatch	9,189
				TD	9,201

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 7/17/2014, first oil sales 7/28/2014.

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

NAME (PLEASE PRINT) Christina Hirtler TITLE Permit Analyst
 SIGNATURE _____ DATE 8/15/2014

This report must be submitted within 30 days of

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

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

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

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

7X-33-2-2 FD Completion Report Continued*

44. 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 20/40 Prem White Sand</u>	<u>gal 15% HCl Acid</u>
1	2,682	7,924	150,776	3,900
2	2,648	8,130	150,170	3,900
3	2,624	8,253	150,547	3,900
4	2,639	9,533	148,787	3,400

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



Payzone Directional
End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 7X-33-2-2
Project:	Fort Duchesne	TVD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Site:	SECTION 33 T2S, R2E	MD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Well:	FD 7X-33-2-2	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 33 T2S, R2E		
Site Position:		Northing:	11,159,677.19 usft
From:	Lat/Long	Easting:	2,121,631.37 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 16' 13.950 N
		Longitude:	109° 46' 37.220 W
		Grid Convergence:	1.06 °

Well	FD 7X-33-2-2, SHL: 40° 16' 1.660 -109° 46' 21.190					
Well Position	+N/-S	0.0 usft	Northing:	11,158,455.53 usft	Latitude:	40° 16' 1.660 N
	+E/-W	0.0 usft	Easting:	2,122,897.83 usft	Longitude:	109° 46' 21.190 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,171.0 usft	Ground Level:	5,158.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/9/2014	10.84	65.96	52,138

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	136.90	

Survey Program	Date	6/22/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,318.0	9,201.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 7X-33-2-2
Project:	Fort Duchesne	TVD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Site:	SECTION 33 T2S, R2E	MD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Well:	FD 7X-33-2-2	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
1,318.0	1.19	171.95	1,317.9	11.2	-13.6	1.9	0.09	0.09	0.00
1,402.0	1.28	174.64	1,401.9	12.7	-15.3	2.1	0.13	0.11	3.20
1,487.0	0.49	107.74	1,486.9	13.7	-16.4	2.6	1.39	-0.93	-78.71
1,571.0	0.71	76.06	1,570.9	14.3	-16.4	3.4	0.46	0.26	-37.71
1,655.0	1.10	54.82	1,654.9	14.7	-15.8	4.6	0.60	0.46	-25.29
1,740.0	0.88	49.44	1,739.8	14.8	-14.9	5.7	0.28	-0.26	-6.33
1,824.0	0.88	11.24	1,823.8	14.5	-13.9	6.4	0.69	0.00	-45.48
1,908.0	1.10	351.13	1,907.8	13.4	-12.4	6.4	0.49	0.26	-23.94
1,993.0	1.02	353.24	1,992.8	12.1	-10.9	6.1	0.10	-0.09	2.48
2,077.0	1.10	356.95	2,076.8	10.9	-9.3	6.0	0.13	0.10	4.42
2,161.0	1.10	8.45	2,160.8	9.8	-7.7	6.1	0.26	0.00	13.69
2,246.0	0.80	9.02	2,245.8	8.9	-6.3	6.3	0.35	-0.35	0.67
2,330.0	0.71	14.23	2,329.8	8.3	-5.2	6.5	0.13	-0.11	6.20
2,415.0	0.71	1.75	2,414.8	7.6	-4.2	6.7	0.18	0.00	-14.68
2,499.0	0.62	352.63	2,498.8	6.9	-3.2	6.6	0.17	-0.11	-10.86
2,583.0	1.02	345.53	2,582.7	5.9	-2.1	6.4	0.49	0.48	-8.45
2,667.0	1.19	33.76	2,666.7	5.0	-0.6	6.7	1.09	0.20	57.42
2,752.0	1.10	34.94	2,751.7	4.6	0.8	7.6	0.11	-0.11	1.39
2,836.0	0.80	34.02	2,835.7	4.3	1.9	8.4	0.36	-0.36	-1.10
2,920.0	0.71	35.43	2,919.7	4.1	2.9	9.0	0.11	-0.11	1.68
3,005.0	0.62	352.63	3,004.7	3.6	3.7	9.3	0.58	-0.11	-50.35
3,089.0	0.80	12.96	3,088.7	2.9	4.8	9.4	0.37	0.21	24.20
3,174.0	0.71	15.73	3,173.7	2.3	5.8	9.6	0.11	-0.11	3.26
3,258.0	0.76	347.53	3,257.7	1.6	6.9	9.7	0.43	0.06	-33.57
3,342.0	0.31	20.84	3,341.7	1.0	7.6	9.6	0.63	-0.54	39.65
3,426.0	1.10	346.46	3,425.7	0.2	8.6	9.5	1.03	0.94	-40.93



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 7X-33-2-2
Project:	Fort Duchesne	TVD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Site:	SECTION 33 T2S, R2E	MD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Well:	FD 7X-33-2-2	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)
3,511.0	1.02	333.33	3,510.6	-1.2	10.1	9.0	0.30	-0.09	-15.45
3,595.0	0.80	339.94	3,594.6	-2.5	11.3	8.5	0.29	-0.26	7.87
3,679.0	0.80	346.06	3,678.6	-3.6	12.5	8.1	0.10	0.00	7.29
3,764.0	0.71	343.86	3,763.6	-4.5	13.5	7.8	0.11	-0.11	-2.59
3,848.0	1.02	351.75	3,847.6	-5.6	14.8	7.6	0.39	0.37	9.39
3,932.0	2.39	1.13	3,931.6	-7.5	17.3	7.5	1.66	1.63	11.17
4,017.0	2.21	355.54	4,016.5	-10.0	20.7	7.4	0.34	-0.21	-6.58
4,101.0	1.90	356.86	4,100.4	-12.4	23.7	7.2	0.37	-0.37	1.57
4,185.0	1.68	354.43	4,184.4	-14.4	26.3	7.0	0.28	-0.26	-2.89
4,269.0	1.28	347.82	4,268.4	-16.2	28.4	6.7	0.52	-0.48	-7.87
4,354.0	1.10	345.39	4,353.4	-17.7	30.2	6.3	0.22	-0.21	-2.86
4,438.0	1.19	4.44	4,437.3	-19.0	31.8	6.1	0.46	0.11	22.68
4,522.0	1.02	345.75	4,521.3	-20.3	33.4	6.0	0.47	-0.20	-22.25
4,607.0	0.88	33.62	4,606.3	-21.1	34.7	6.2	0.92	-0.16	56.32
4,691.0	0.71	40.63	4,690.3	-21.3	35.6	6.9	0.23	-0.20	8.35
4,775.0	0.49	39.35	4,774.3	-21.4	36.3	7.5	0.26	-0.26	-1.52
4,860.0	1.68	21.86	4,859.3	-22.0	37.7	8.2	1.44	1.40	-20.58
4,944.0	1.12	21.46	4,943.3	-22.8	39.6	8.9	0.67	-0.67	-0.48
5,028.0	1.02	23.62	5,027.2	-23.5	41.1	9.5	0.13	-0.12	2.57
5,113.0	0.71	36.36	5,112.2	-23.9	42.2	10.1	0.43	-0.36	14.99
5,197.0	0.71	37.46	5,196.2	-24.1	43.0	10.8	0.02	0.00	1.31
5,281.0	0.40	57.73	5,280.2	-24.1	43.6	11.3	0.43	-0.37	24.13
5,366.0	0.88	359.24	5,365.2	-24.5	44.4	11.6	0.89	0.56	-68.81
5,450.0	0.62	350.60	5,449.2	-25.4	45.5	11.5	0.34	-0.31	-10.29
5,517.0	0.40	344.52	5,516.2	-25.9	46.1	11.4	0.34	-0.33	-9.07
5,601.0	0.40	350.03	5,600.2	-26.4	46.6	11.2	0.05	0.00	6.56
5,685.0	0.09	352.23	5,684.2	-26.7	47.0	11.2	0.37	-0.37	2.62



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 7X-33-2-2
Project:	Fort Duchesne	TVD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Site:	SECTION 33 T2S, R2E	MD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Well:	FD 7X-33-2-2	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)	
5,770.0	0.22	50.63	5,769.2	-26.7	47.2	11.3	0.22	0.15	68.71	
5,854.0	0.09	101.44	5,853.2	-26.7	47.3	11.5	0.21	-0.15	60.49	
5,938.0	0.31	130.66	5,937.2	-26.4	47.1	11.7	0.28	0.26	34.79	
6,022.0	0.80	138.24	6,021.2	-25.6	46.5	12.3	0.59	0.58	9.02	
6,107.0	0.22	71.74	6,106.2	-24.9	46.1	12.8	0.87	-0.68	-78.24	
6,191.0	0.31	107.44	6,190.2	-24.6	46.1	13.2	0.22	0.11	42.50	
6,275.0	0.62	143.35	6,274.2	-24.0	45.7	13.7	0.49	0.37	42.75	
6,360.0	0.88	159.83	6,359.2	-22.9	44.7	14.2	0.39	0.31	19.39	
6,444.0	1.19	163.05	6,443.2	-21.6	43.3	14.7	0.38	0.37	3.83	
6,528.0	1.10	164.55	6,527.2	-20.1	41.6	15.1	0.11	-0.11	1.79	
6,613.0	1.28	162.34	6,612.1	-18.5	39.9	15.6	0.22	0.21	-2.60	
6,699.0	1.41	156.92	6,698.1	-16.6	38.1	16.3	0.21	0.15	-6.30	
6,781.0	1.41	157.76	6,780.1	-14.7	36.2	17.1	0.03	0.00	1.02	
6,867.0	1.50	157.14	6,866.1	-12.7	34.2	18.0	0.11	0.10	-0.72	
6,950.0	1.59	151.55	6,949.0	-10.6	32.2	18.9	0.21	0.11	-6.73	
7,034.0	1.68	165.34	7,033.0	-8.3	30.0	19.8	0.48	0.11	16.42	
7,119.0	1.81	167.72	7,118.0	-6.1	27.4	20.4	0.18	0.15	2.80	
7,203.0	1.19	194.73	7,201.9	-4.5	25.3	20.5	1.10	-0.74	32.15	
7,287.0	1.28	190.46	7,285.9	-3.5	23.5	20.1	0.15	0.11	-5.08	
7,372.0	1.19	179.44	7,370.9	-2.3	21.7	19.9	0.30	-0.11	-12.96	
7,456.0	1.28	172.92	7,454.9	-0.9	19.9	20.0	0.20	0.11	-7.76	
7,540.0	1.50	176.45	7,538.8	0.8	17.9	20.2	0.28	0.26	4.20	
7,625.0	1.68	181.82	7,623.8	2.5	15.5	20.2	0.27	0.21	6.32	
7,709.0	1.90	184.33	7,707.8	4.3	12.9	20.1	0.28	0.26	2.99	
7,793.0	1.99	187.73	7,791.7	6.2	10.1	19.8	0.17	0.11	4.05	
7,877.0	1.99	192.93	7,875.7	7.9	7.2	19.3	0.21	0.00	6.19	
7,962.0	1.68	190.94	7,960.6	9.5	4.5	18.7	0.37	-0.36	-2.34	



Payzone Directional
End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 7X-33-2-2
Project:	Fort Duchesne	TVD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Site:	SECTION 33 T2S, R2E	MD Reference:	FD 7X-33-2-2 @ 5171.0usft (CAPSTAR 328)
Well:	FD 7X-33-2-2	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)	
8,046.0	1.19	216.55	8,044.6	10.3	2.6	18.0	0.95	-0.58	30.49	
8,130.0	1.10	212.45	8,128.6	10.7	1.3	17.0	0.14	-0.11	-4.88	
8,215.0	1.02	201.52	8,213.6	11.2	-0.1	16.3	0.26	-0.09	-12.86	
8,299.0	0.80	188.03	8,297.6	11.9	-1.4	15.9	0.36	-0.26	-16.06	
8,383.0	1.02	176.75	8,381.6	12.9	-2.7	15.9	0.34	0.26	-13.43	
8,468.0	1.19	171.02	8,466.5	14.2	-4.4	16.1	0.24	0.20	-6.74	
8,552.0	1.41	164.72	8,550.5	15.8	-6.2	16.5	0.31	0.26	-7.50	
8,635.0	1.41	152.96	8,633.5	17.7	-8.1	17.2	0.35	0.00	-14.17	
8,719.0	1.41	157.76	8,717.5	19.6	-10.0	18.1	0.14	0.00	5.71	
8,803.0	1.50	160.85	8,801.4	21.6	-12.0	18.8	0.14	0.11	3.68	
8,888.0	1.50	163.45	8,886.4	23.6	-14.1	19.5	0.08	0.00	3.06	
8,972.0	1.50	162.74	8,970.4	25.6	-16.2	20.1	0.02	0.00	-0.85	
9,056.0	1.59	174.15	9,054.4	27.5	-18.4	20.6	0.38	0.11	13.58	
9,141.0	1.59	174.33	9,139.3	29.4	-20.8	20.8	0.01	0.00	0.21	
9,201.0	1.59	174.33	9,199.3	30.7	-22.4	21.0	0.00	0.00	0.00	

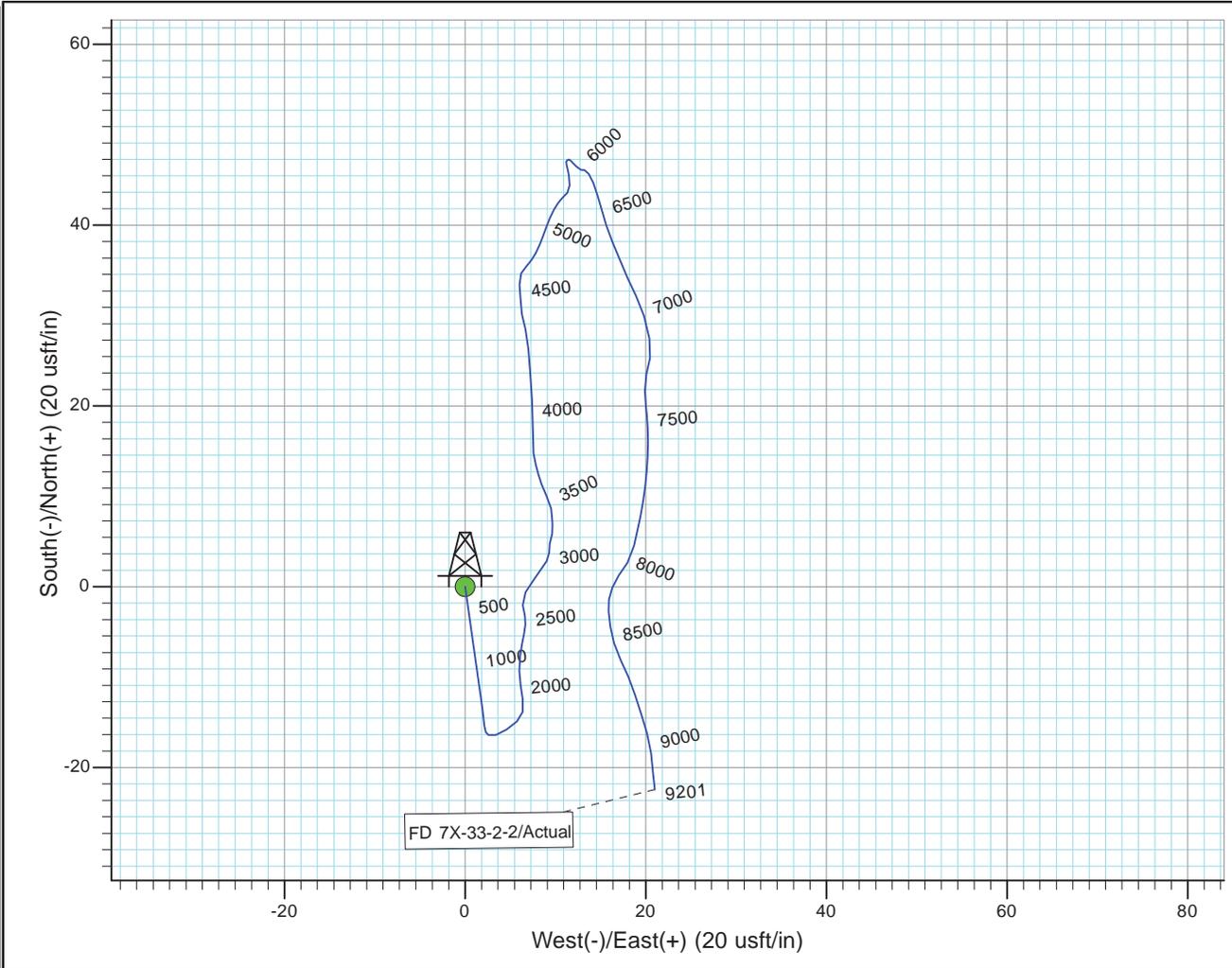
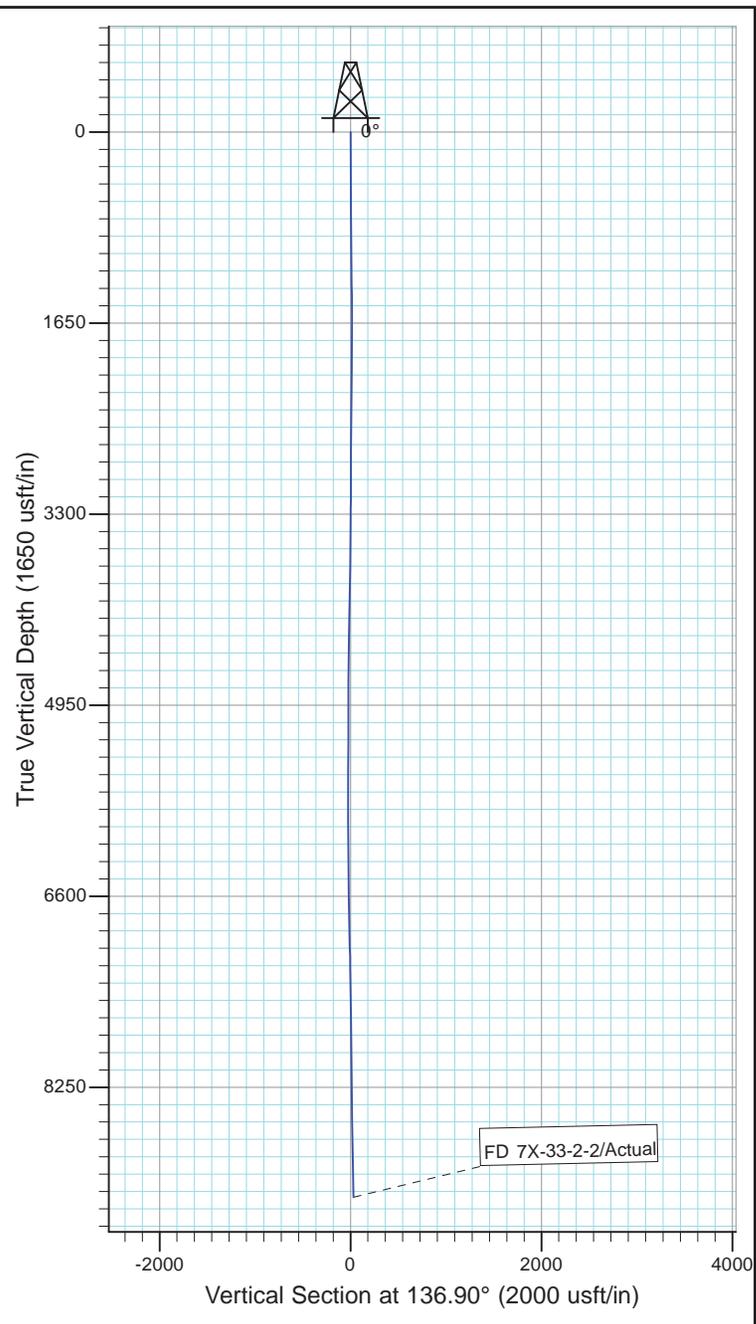
Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 54529 API Well Number: 43047543770000



Project: Fort Duchesne
Site: SECTION 33 T2S, R2E
Well: FD 7X-33-2-2
Wellbore: Wellbore #1
Design: Actual


 Azimuths to True North
 Magnetic North: 10.84°
 Magnetic Field
 Strength: 52138.3snT
 Dip Angle: 65.96°
 Date: 6/9/2014
 Model: IGRF2010



Design: Actual (FD 7X-33-2-2/Wellbore #1)

Created By: *Matthew Linton* Date: 19:32, June 22 2014

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD 7X-33-2-2	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047543770000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2081 FNL 2268 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 33 Township: 02.0S Range: 02.0E Meridian: U		9. FIELD and POOL or WILDCAT: MOFFAT CANAL	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/14/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input 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 type="text" value="INTERIM REC COMPLETED"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
INTERIM RECLAMATION WAS COMPLETED ON 10/14/2014 AND THE PIT WAS CLOSED ON 10/10/2014.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 08, 2015			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A	DATE 1/8/2015		