

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 Federal 16-22-6-19						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT 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 303 312-8164						
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL BHilgers@billbarrettcorp.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU85589			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input 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		800 FSL 800 FEL		SESE		22		6.0 S		19.0 E		S
Top of Uppermost Producing Zone		800 FSL 800 FEL		SESE		22		6.0 S		19.0 E		S
At Total Depth		800 FSL 800 FEL		SESE		22		6.0 S		19.0 E		S
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 520			23. NUMBER OF ACRES IN DRILLING UNIT 1251						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3803			26. PROPOSED DEPTH MD: 9939 TVD: 9939						
27. ELEVATION - GROUND LEVEL 5128			28. BOND NUMBER WYB000040			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-11787						
Hole, Casing, and Cement Information												
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement			Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.7	No Used			0	0.0	0.0
Surf	12.25	9.625	0 - 2000	36.0	J-55 ST&C	9.4	Halliburton Light , Type Unknown			280	3.16	11.0
							Halliburton Premium , Type Unknown			210	1.36	14.8
Prod	7.875	5.5	0 - 9939	17.0	P-110 LT&C	9.5	Unknown			720	2.31	11.0
							Unknown			400	1.42	13.5
ATTACHMENTS												
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES												
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input 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 04/17/2013				EMAIL briley@billbarrettcorp.com				
API NUMBER ASSIGNED 43047537190000				APPROVAL				 Permit Manager				

DRILLING PLAN
BILL BARRETT CORPORATION

FD Federal 16-22-6-19

SESE, 800' FSL & 800' FEL, Sec. 22, T6S-R19E, SLB&M, Uintah County, UT

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

<u>Formation</u>	<u>Depth</u>
Uinta	1939'
Green River	4874'
Mahogany	6399'
TGR3	7664'
Douglas Creek	7844'
Black Shale	8324'
Castle Peak	8424'
Wasatch	9139'
TD	9939'

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

Base of Moderately Saline Water: 4249'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2000'	No pressure control required (may pre-set 9-5/8" will smaller rig)
2000' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2000'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

NOTE: May pre-set 9-5/8" surface casing with spudder rig. See Appendix A below.

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 280 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

Bill Barrett Corporation
 Drilling Program
 FD Federal #16-22-6-19
 Uintah County, Utah

	Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 1,500'
5 ½" Production Casing	Lead: 720 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 1,500' Tail: 400 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 @ 7824'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
80' – 2000'	9.2 – 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
2000' – TD	9.4 – 9.5	42-52	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.
NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.	

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4910 psi* and maximum anticipated surface pressure equals approximately 2723 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)

9. Auxiliary Equipment

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)

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Drilling Program
FD Federal #16-22-6-19
Uintah County, Utah

- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. Drilling Schedule

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

12. Appendix A

If we pre-set the 9-5/8" casing on this well with a spudder rig, the following equipment shall be in place and operational during air/gas drilling:

- Blooie line discharge will be a minimum of 45' from well bore and securely anchored
- Mud circulating equipment and a minimum of 200 bbls of water will be on location (Volume sufficient to maintain the capacity of the hole and circulating tanks or pits).
- No igniter will be on blooie line while drilling the surface hole
- The spudder/air rig air compressor will be located on the rig

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FORT DUSHESNE CEMENT VOLUMES

Well Name: [FD Federal 16-22-6-19](#)

Surface Hole Data:

Total Depth:	2,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	822.1	ft ³
Lead Fill:	1,500'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	280
--------------	-----

Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	1,500'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	9,939'
Top of Cement:	1,500'
Top of Tail:	7,824'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1643.5	ft ³
Lead Fill:	6,324'	
Tail Volume:	549.7	ft ³
Tail Fill:	2,115'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	720
# SK's Tail:	400

FD Federal 16-22-6-19 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (1500' - 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: 1,500'
	Volume: 146.41 bbl
	Proposed Sacks: 280 sks
Tail Cement - (TD - 1500')	
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: 1,500'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (7824' - 1500')	
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: 1,500'
	Calculated Fill: 6,324'
	Volume: 292.69 bbl
	Proposed Sacks: 720 sks
Tail Cement - (9939' - 7824')	
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: 7,824'
	Calculated Fill: 2,115'
	Volume: 97.90 bbl
	Proposed Sacks: 400 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.

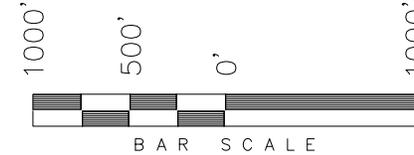
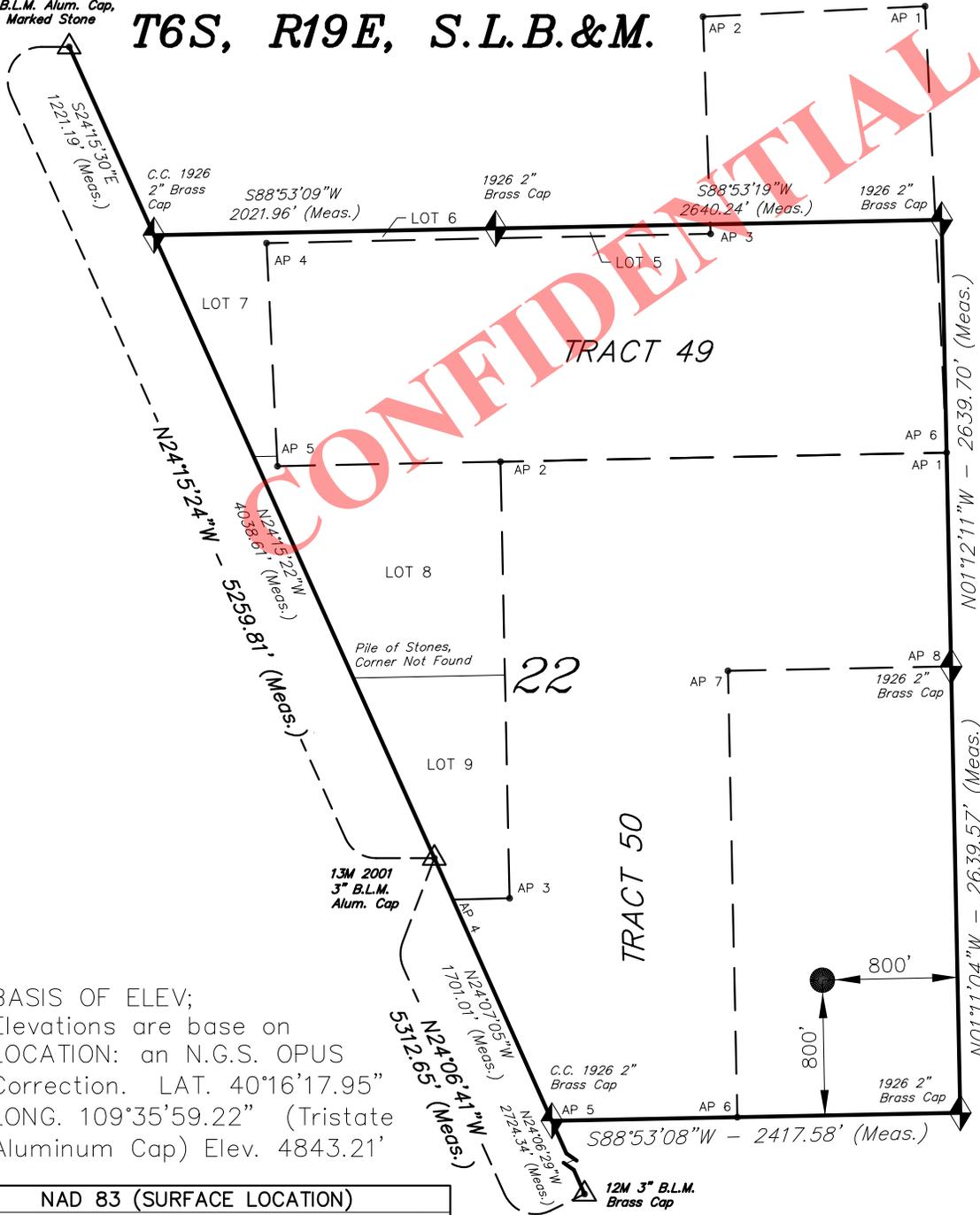
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14M 2001
3" B.L.M. Alum. Cap,
Set Marked Stone

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

BILL BARRETT CORPORATION

WELL LOCATION, FD Federal 16-22-6-19
LOCATED AS SHOWN IN THE SE 1/4
SE 1/4 OF SECTION 22, T6S, R19E,
S.L.B.&M. UINTAH COUNTY, UTAH.

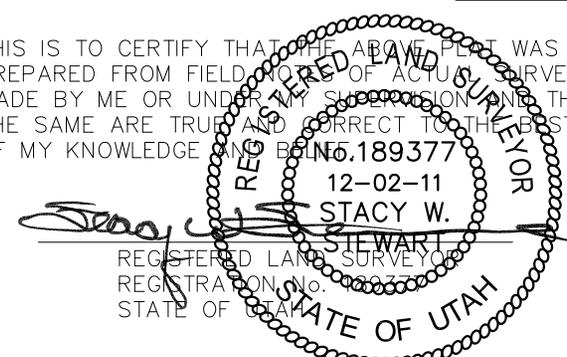


- NOTES:**
1. Well footages are measured at right angles to the Section Lines.
 2. Bearings are based on Global Positioning Satellite observations.

WELL LOCATION:
FD Federal 16-22-6-19

ELEV. UNGRADED GROUND = 5127.6'

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



BASIS OF ELEV;
Elevations are base on
LOCATION: an N.G.S. OPUS
Correction. LAT. 40°16'17.95"
LONG. 109°35'59.22" (Tristate
Aluminum Cap) Elev. 4843.21'

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°16'42.74" (40.278539)
LONGITUDE	= 109°45'45.43" (109.762619)

◆ = SECTION CORNERS LOCATED

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 10-26-11	SURVEYED BY: C.D.S.
DATE DRAWN: 11-07-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

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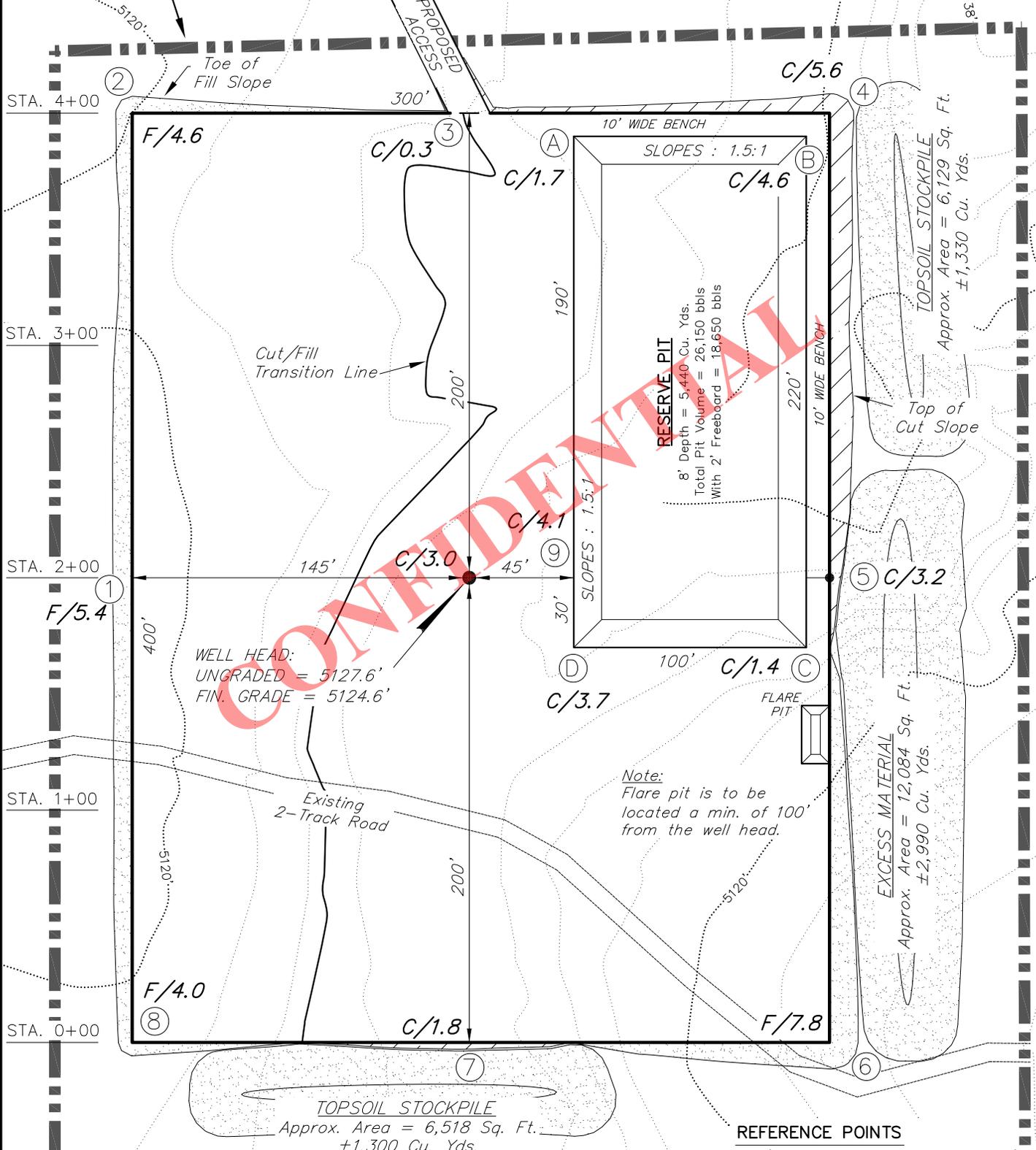
FIGURE #1

LOCATION LAYOUT

FD Federal 16-22-6-19

Section 22, T6S, R19E, S.L.B.&M.

PROPOSED
SURFACE USE AREA
CONTAINS ±4.754 ACRES



WELL HEAD:
UNGRADED = 5127.6'
FIN. GRADE = 5124.6'

RESERVE PIT
8' Depth = 5,440 Cu. Yds.
Total Pit Volume = 26,150 bbls
With 2' Freeboard = 18,650 bbls

Note:
Flare pit is to be
located a min. of 100'
from the well head.

REFERENCE POINTS

- 250' NORTHWESTERLY - 5126.2'
- 300' NORTHWESTERLY - 5126.1'
- 195' NORTHEASTERLY - 5118.5'
- 245' NORTHEASTERLY - 5118.1'

NOTE:
The topsoil & excess material areas are calculated as being mounds containing 5,620 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: C.D.S.	DATE SURVEYED: 10-26-11
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-11
SCALE: 1" = 60'	REVISED:

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Land Surveying, Inc.
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(435) 781-2501

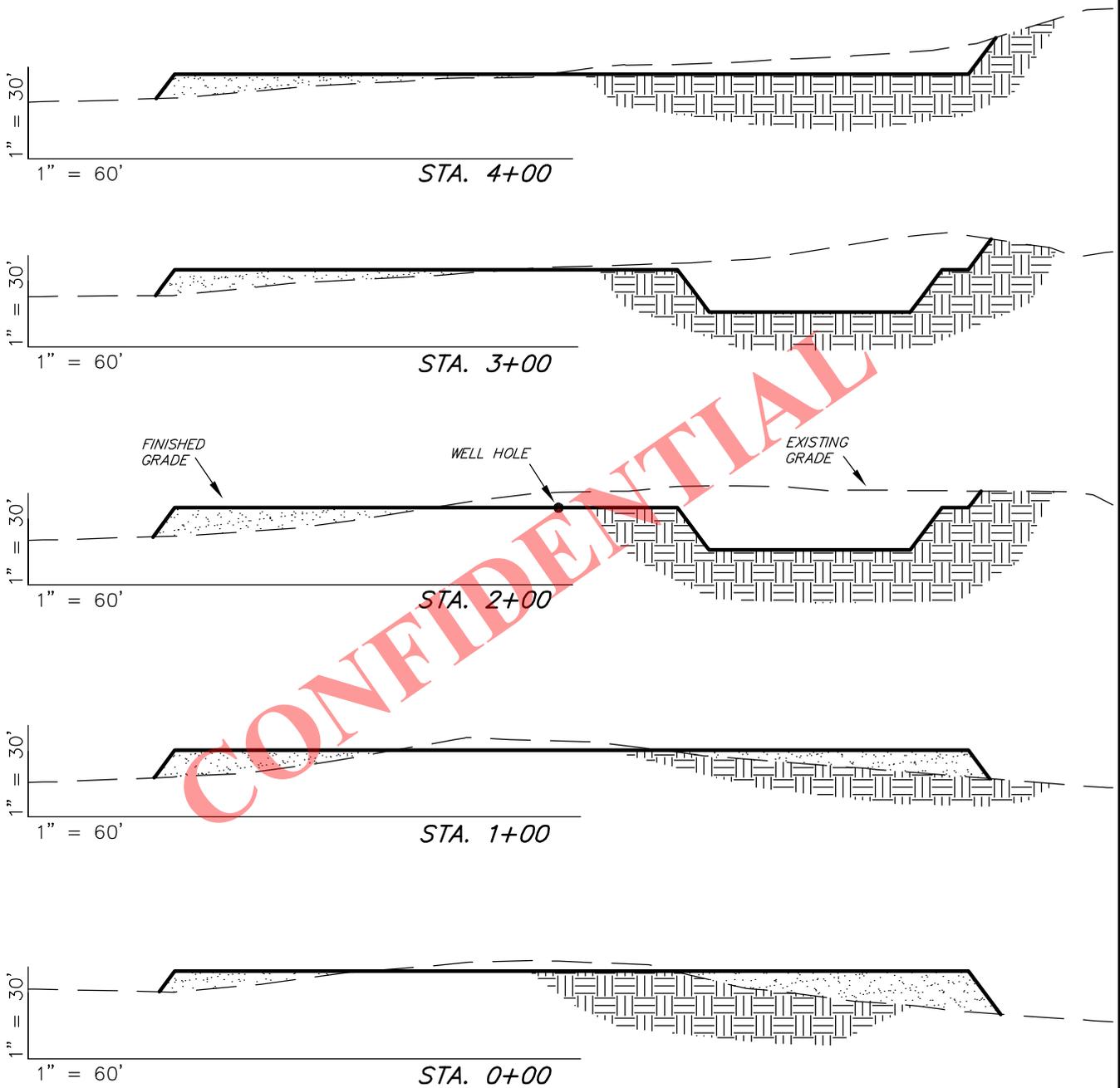
SHEET 2

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FIGURE #2

TYPICAL CROSS SECTIONS

FD Federal 16-22-6-19
Section 22, T6S, R19E, S.L.B.&M.



NOTES:
1.) UNLESS OTHERWISE NOTED CUT SLOPES ARE AT 1.5:1 & FILL SLOPES ARE AT 1.5:1.

APPROXIMATE PROPOSED SURFACE USE AREA		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.754 ACRES
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±788'	±0.543 ACRES
30' WIDE PIPELINE R-O-W DISTURBANCE	±837'	±0.576 ACRES
150' WIDE POWERLINE R-O-W DISTURBANCE	±788'	±2.713 ACRES
TOTAL SURFACE USE AREA	±2,413'	±8.586 ACRES

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	5,010	7,730	Topsoil is not included in Pad Cut	-2,720
PIT	5,440	0		5,440
TOTALS	10,450	7,730	2,390	2,720

SURVEYED BY: C.D.S.	DATE SURVEYED: 10-26-11
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-11
SCALE: 1" = 60'	REVISED:

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Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET 3

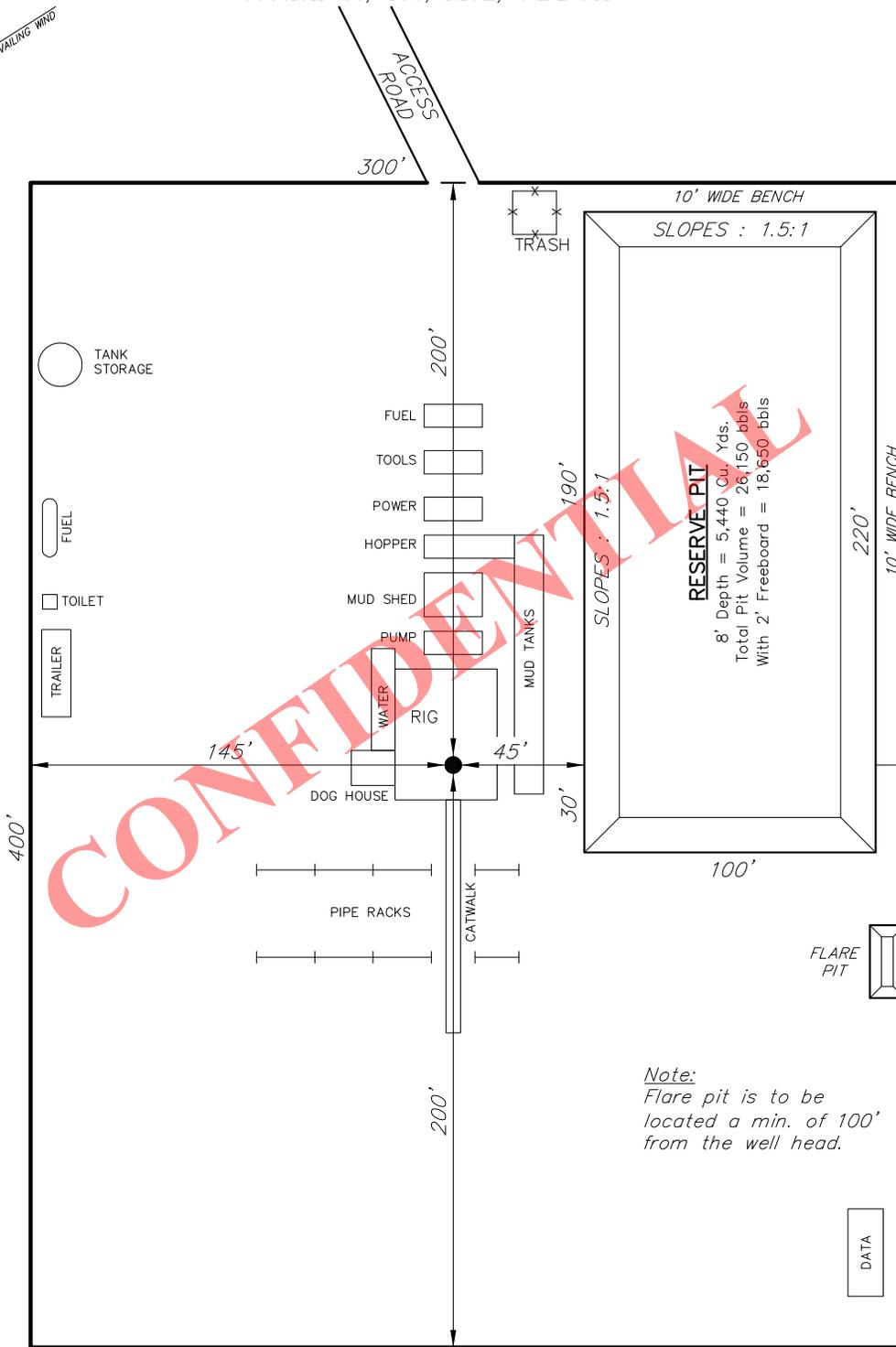
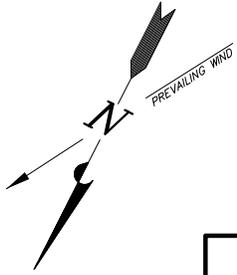
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FIGURE #3

TYPICAL RIG LAYOUT

FD Federal 16-22-6-19

Section 22, T6S, R19E, S.L.B.&M.



Note:
Flare pit is to be located a min. of 100' from the well head.

SURVEYED BY: C.D.S.	DATE SURVEYED: 10-26-11
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-11
SCALE: 1" = 60'	REVISED:

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET 4

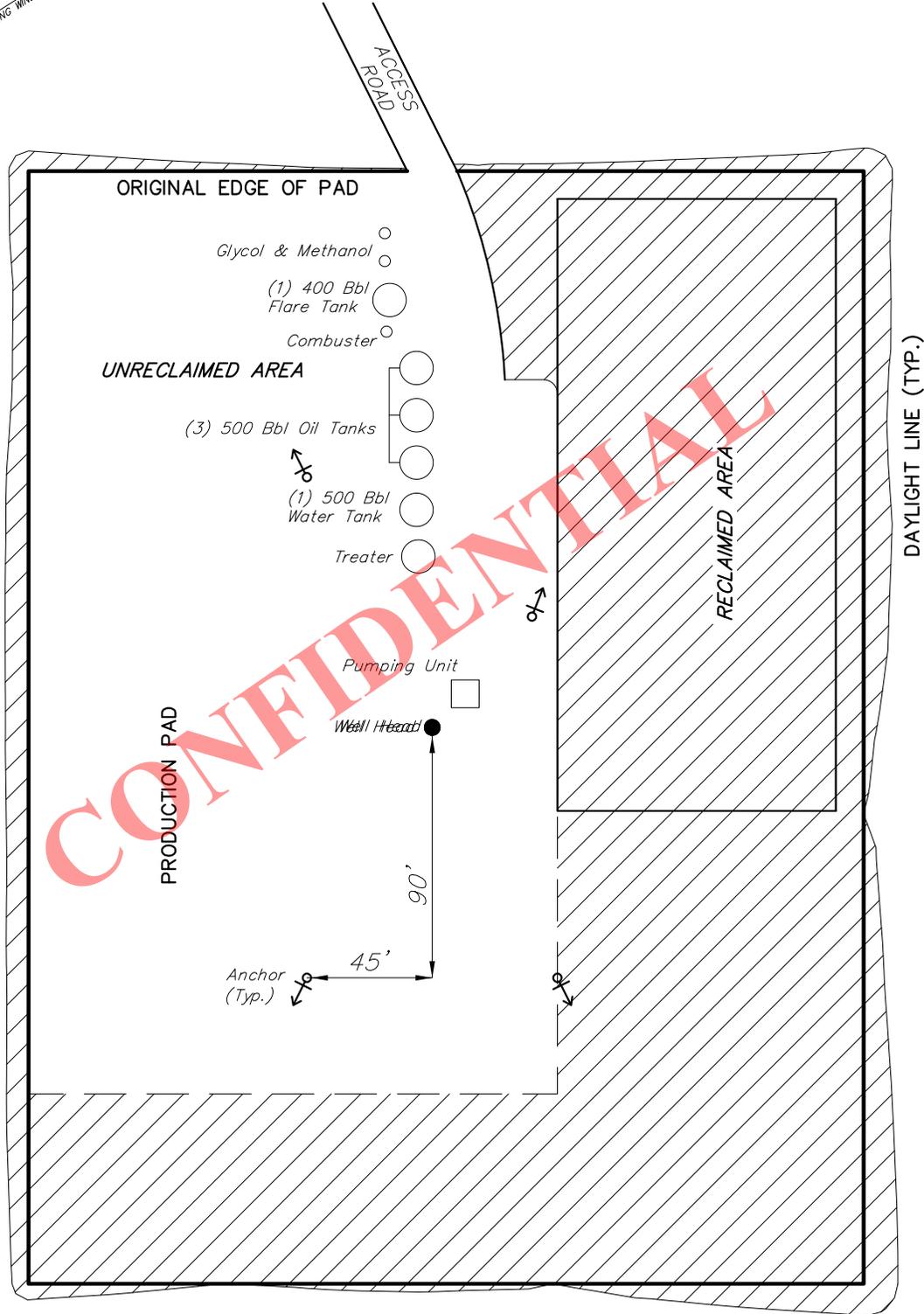
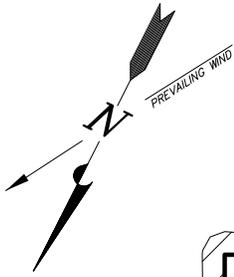
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INTERIM RECLAMATION PLAN

FD Federal 16-22-6-19

Section 22, T6S, R19E, S.L.B.&M.

FIGURE #4



DISTURBED AREA:

TOTAL DISTURBED AREA = 4.754 ACRES

TOTAL RECLAIMED AREA = 2.926 ACRES

UNRECLAIMED AREA = 1.828 ACRES

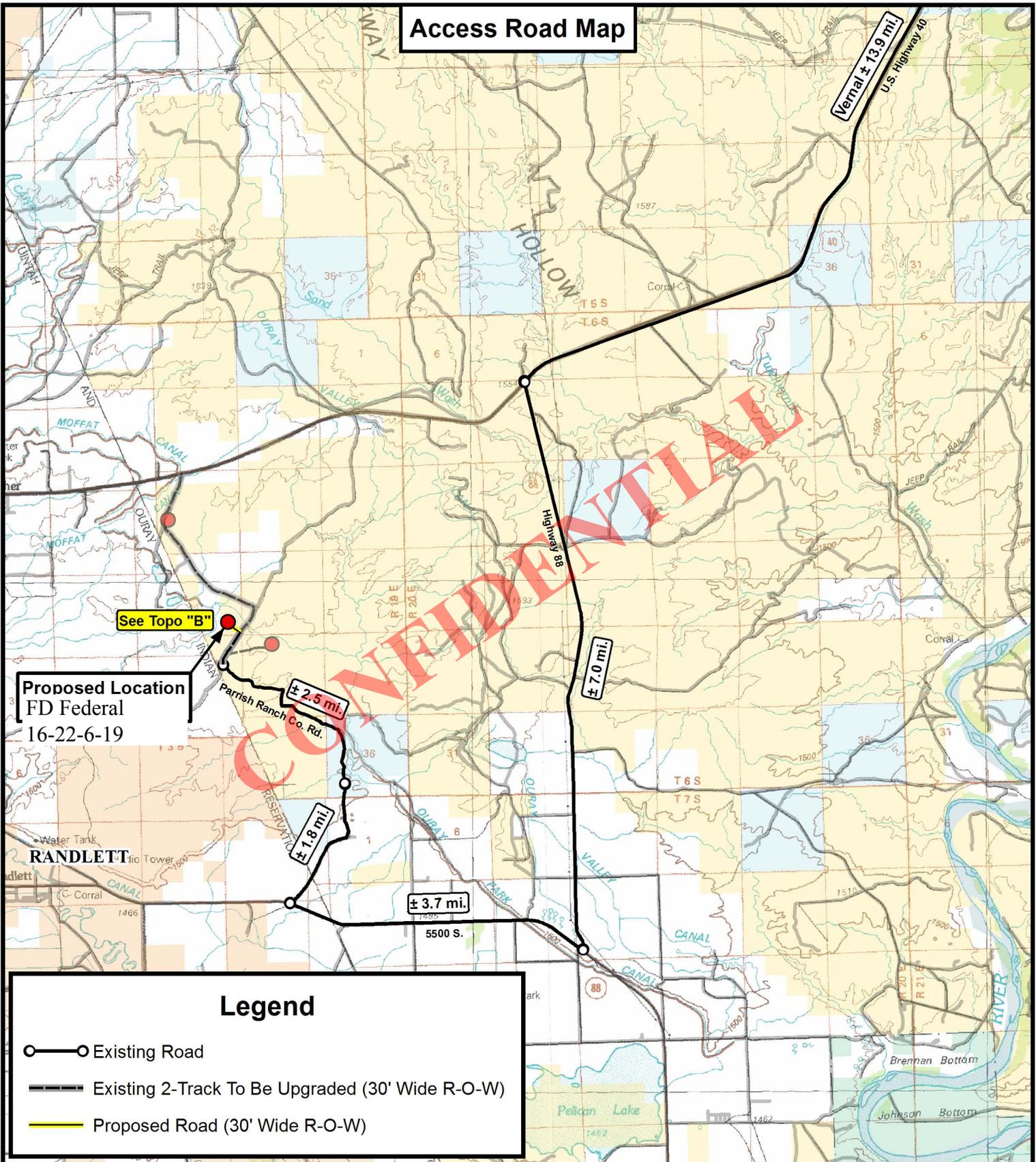
NOTE: RECLAIMED AREA TO INCLUDE SEEDING OF APPROVED VEGETATION AND SUFFICIENT STORM WATER MANAGEMENT SYSTEM.

SURVEYED BY: C.D.S.	DATE SURVEYED: 10-26-11
DRAWN BY: F.T.M.	DATE DRAWN: 11-07-11
SCALE: 1" = 60'	REVISED: L.C.S. 10-25-12

Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET 5

Access Road Map



Proposed Location
FD Federal
16-22-6-19

See Topo "B"

± 2.5 mi.
Parrish Ranch Co. Rd.

± 1.8 mi.

± 3.7 mi.
5500 S.

± 7.0 mi.
Highway 88

± 13.9 mi.
U.S. Highway 40
Vernal

Legend

- Existing Road
- Existing 2-Track To Be Upgraded (30' Wide R-O-W)
- Proposed Road (30' Wide R-O-W)

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



BILL BARRETT CORPORATION

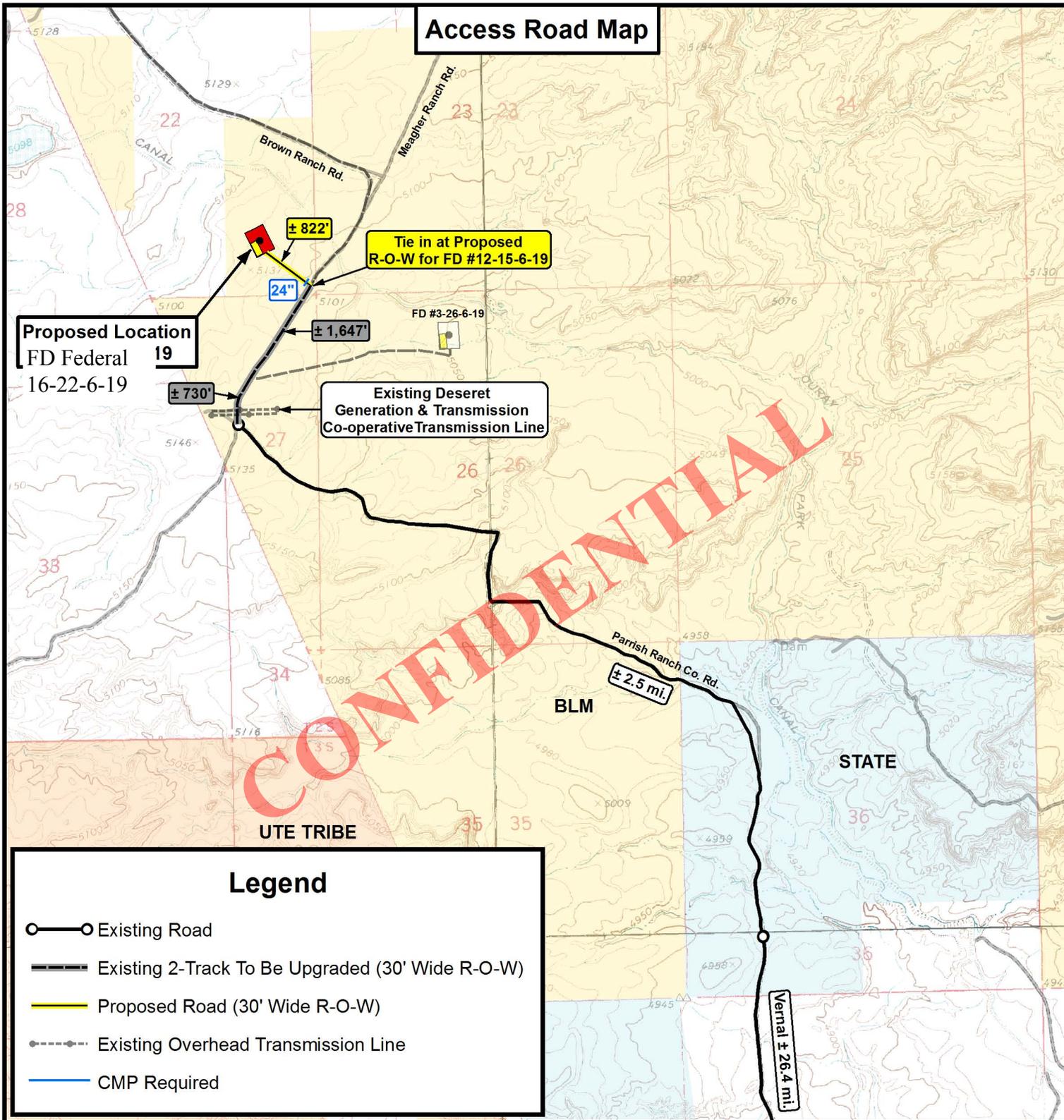
FD Federal 16-22-6-19
SEC. 22, T6S, R19E, S.L.B.&M.
Uintah County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-2012 J.A.S.
DATE:	12-01-2011		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



Legend

- Existing Road
- Existing 2-Track To Be Upgraded (30' Wide R-O-W)
- Proposed Road (30' Wide R-O-W)
- Existing Overhead Transmission Line
- CMP Required

TOTAL PROPOSED ROAD DISTANCE: ± 822'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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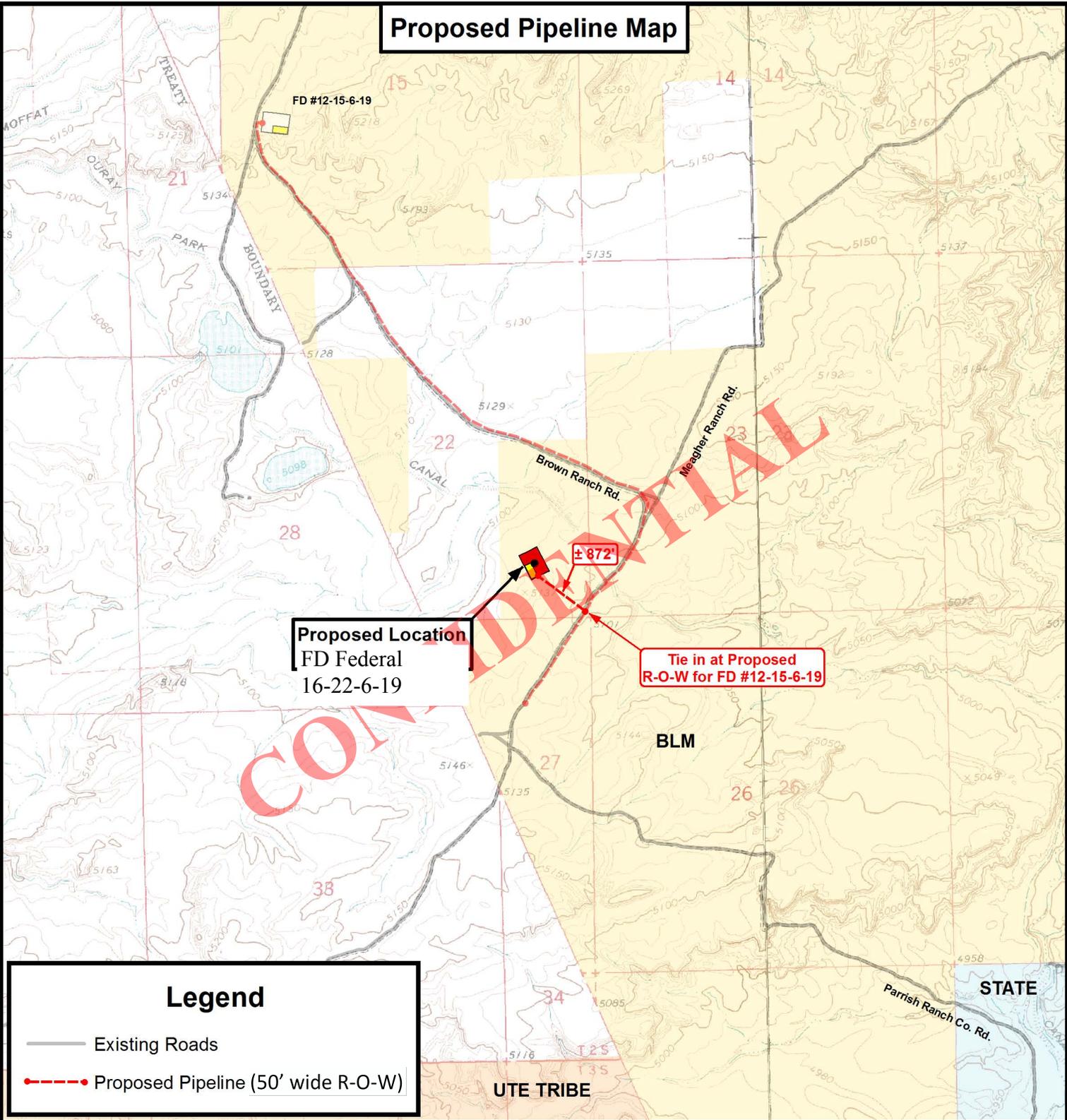
FD Federal 16-22-6-19
SEC. 22, T6S, R19E, S.L.B.&M.
Uintah County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-2012 J.A.S.
DATE:	12-01-2011		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

Proposed Pipeline Map



Proposed Location
FD Federal
16-22-6-19

Tie in at Proposed
R-O-W for FD #12-15-6-19

Legend

- Existing Roads
- Proposed Pipeline (50' wide R-O-W)

TOTAL PIPELINE DISTANCE: ± 872'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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BILL BARRETT CORPORATION

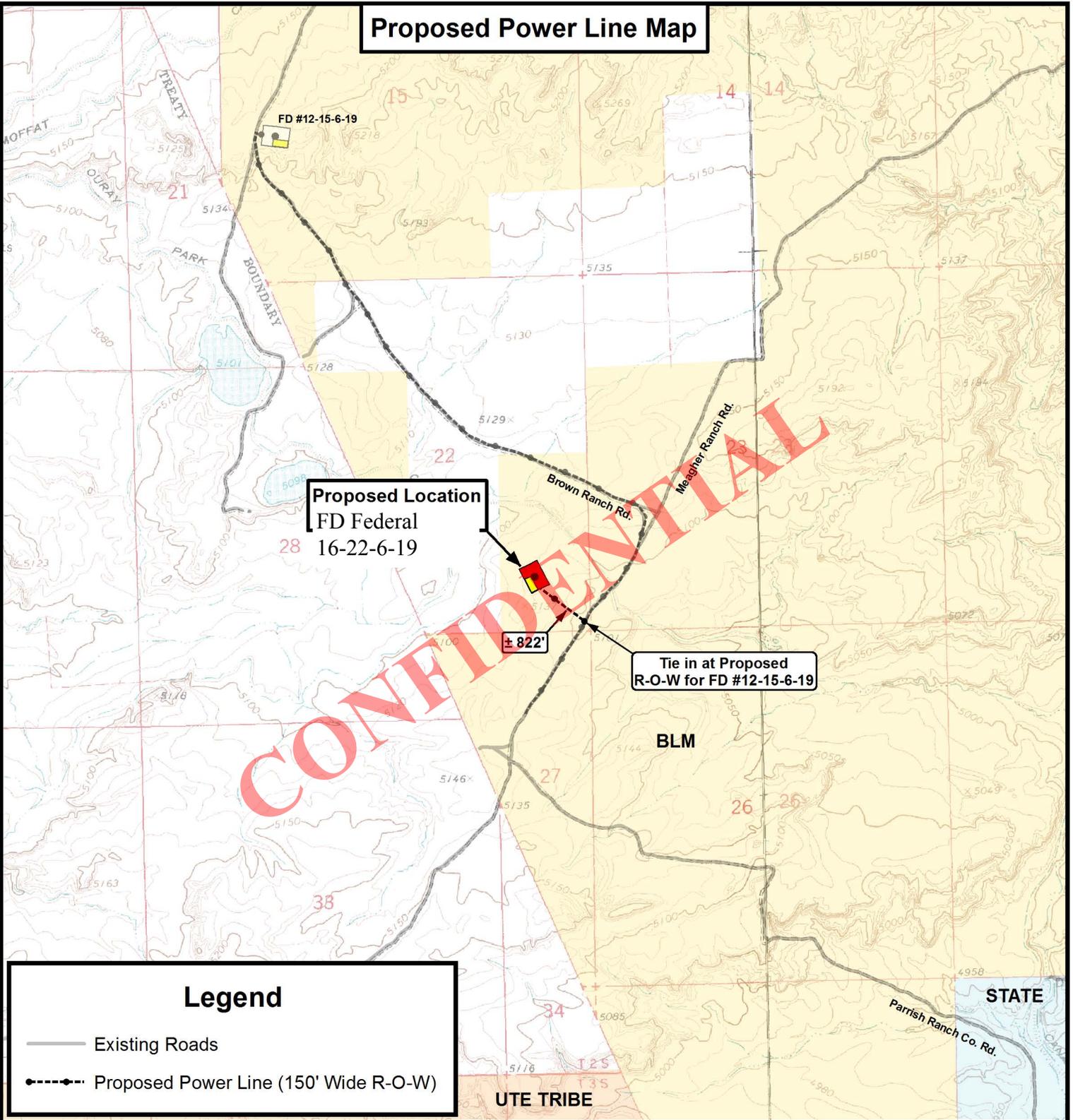
FD Federal 16-22-6-19
SEC. 22, T6S, R19E, S.L.B.&M.
Uintah County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-2012 J.A.S.
DATE:	12-01-2011		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

Proposed Power Line Map



Legend

- Existing Roads
- Proposed Power Line (150' Wide R-O-W)

TOTAL POWER LINE DISTANCE: ± 822'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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FD Federal 16-22-6-19
SEC. 22, T6S, R19E, S.L.B.&M.
Uintah County, UT.

DRAWN BY:	D.C.R.	REVISED:	12-07-2012 J.A.S.
DATE:	12-01-2011		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
D

**Location
Photos**

Center Stake

Looking Northeasterly

Date Photographed:	10/21/2011
Photographed By :	D. Slaugh



Access

Looking Northwesterly

Date Photographed:	10/21/2011
Photographed By :	D. Slaugh



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**Tri State
Land Surveying, Inc.**

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FD Federal 16-22-6-19

SEC. 22, T6S, R19E, S.L.B.&M.

Uintah County, UT.

DRAWN BY: D.C.R. REVISED: 12-07-2012 J.A.S.

DATE: 12-01-2011

COLOR PHOTOGRAPHS

SHEET

P

BILL BARRETT CORPORATION

FD Federal 16-22-6-19

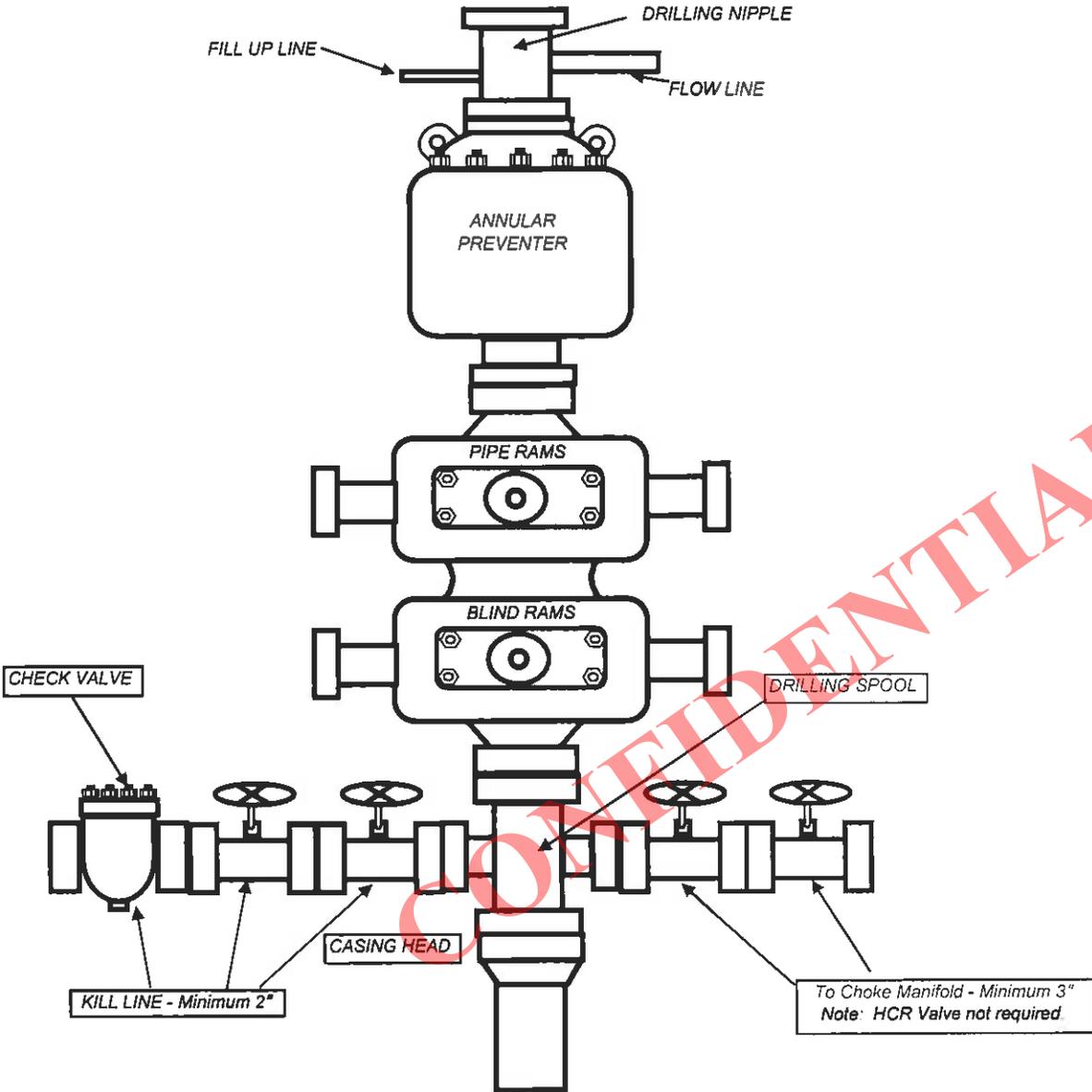
SECTION 22, T6S, R19E, S.L.B.&M.

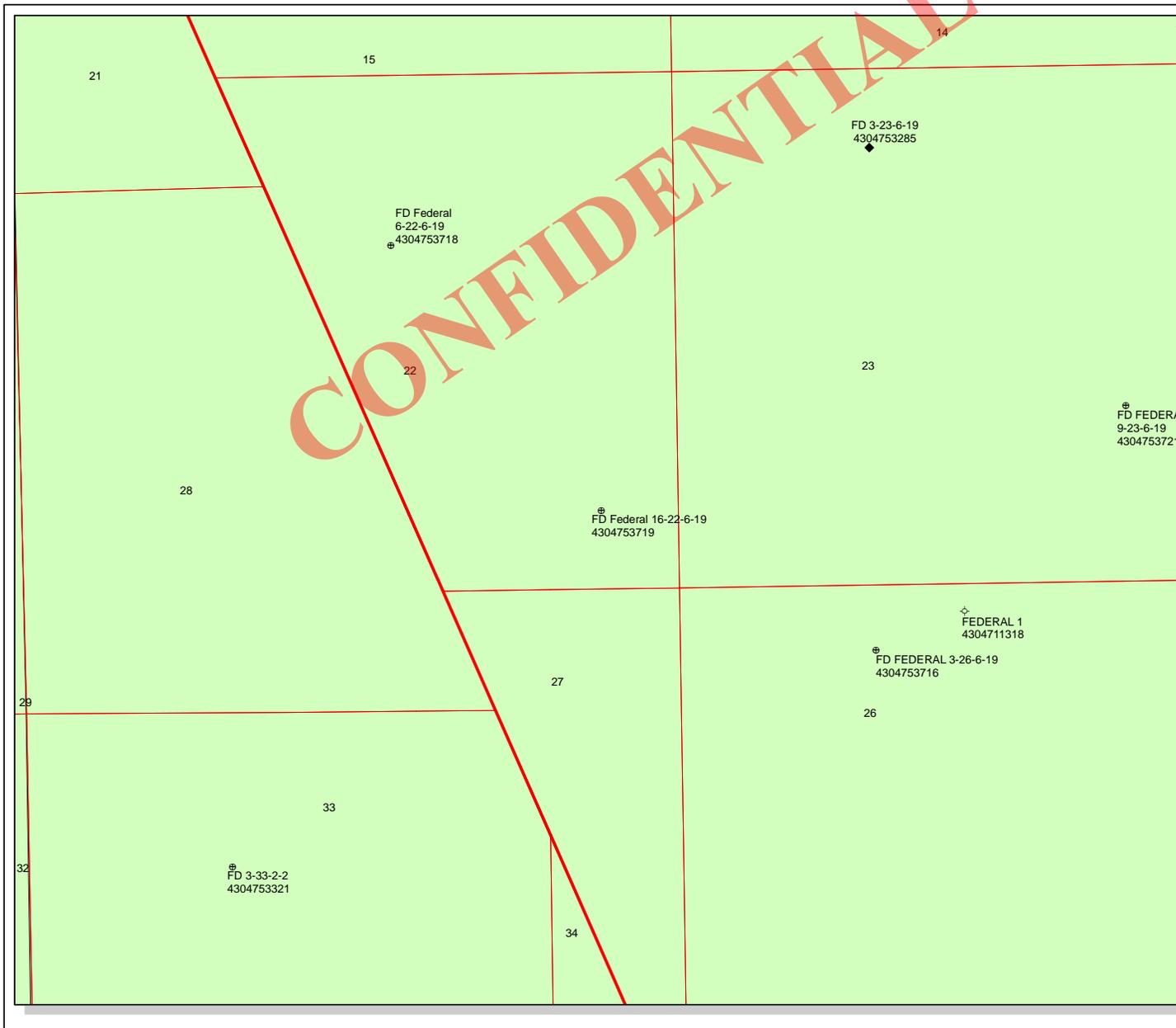
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY THENCE WESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD (PARISH RANCH ROAD) TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION FOR APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; STAY LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING 2-TRACK TO BE UPGRADED (MEAGHER RANCH ROAD) TO THE NORTH; TURN RIGHT AND PROCEED NORTHERLY APPROXIMATELY 2,377' (± 0.5 MILES) TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE FD #16-22-6-19 TO THE NORTHWEST; TURN LEFT AND FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 822' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 29.5 MILES

BILL BARRETT CORPORATION

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



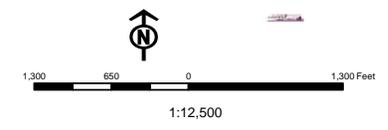


API Number: 4304753719
Well Name: FD Federal 16-22-6-19
Township T06.0S Range R19.0E Section 22
Meridian: SLBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

- Units**
- | STATUS | Symbol |
|---------------|--------------------|
| ACTIVE | [White box] |
| EXPLORATORY | [Diagonal lines /] |
| GAS STORAGE | [Diagonal lines \] |
| NF PP OIL | [Diagonal lines /] |
| NF SECONDARY | [Diagonal lines \] |
| PI OIL | [Diagonal lines /] |
| PP GAS | [Diagonal lines \] |
| PP GEOTHERMAL | [Diagonal lines /] |
| PP OIL | [Diagonal lines \] |
| SECONDARY | [Diagonal lines /] |
| TERMINATED | [Diagonal lines \] |

- Fields**
- | STATUS | Symbol |
|------------|---------------|
| Unknown | [Red dots] |
| ABANDONED | [Blue dots] |
| ACTIVE | [Green dots] |
| COMBINED | [Yellow dots] |
| INACTIVE | [Purple dots] |
| STORAGE | [Orange dots] |
| TERMINATED | [Pink dots] |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/17/2013

API NO. ASSIGNED: 43047537190000

WELL NAME: FD Federal 16-22-6-19

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SESE 22 060S 190E

Permit Tech Review:

SURFACE: 0800 FSL 0800 FEL

Engineering Review:

BOTTOM: 0800 FSL 0800 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.27861

LONGITUDE: -109.76177

UTM SURF EASTINGS: 605197.00

NORTHINGS: 4459409.00

FIELD NAME: WILDCAT

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU85589

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

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000040
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-11787
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-42
- Effective Date: 4/12/1985
- Siting: 660' Fr Ext U Bdry & 1320' Fr Other Wells
- R649-3-11. Directional Drill

Comments: Presite Completed
IRR SEC:

Stipulations: 4 - Federal Approval - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FD Federal 16-22-6-19

API Well Number: 43047537190000

Lease Number: UTU85589

Surface Owner: FEDERAL

Approval Date: 4/30/2013

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-42. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

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

Notification Requirements:

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

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

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

Reporting Requirements:

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

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

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

RECEIVED

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 01 2013

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU85589

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

1a. Type of Work: DRILL REENTER

CONFIDENTIAL

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

8. Lease Name and Well No.
FD 16-22-6-19

2. Name of Operator
BILL BARRETT CORPORATION
Contact: BRADY RILEY
E-Mail: briley@billbarrettcorp.com

9. API Well No.
43 918 53719

3a. Address
1099 18TH STREET SUITE 2300
DENVER, CO 80202

3b. Phone No. (include area code)
Ph: 303-312-8115

10. Field and Pool, or Exploratory
WILDCAT

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface SESE 800FSL 800FEL 40.278539 N Lat, 109.762619 W Lon
At proposed prod. zone SESE 800FSL 800FEL 40.278539 N Lat, 109.762619 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 22 T6S R19E Mer SLB
SME: BLM

14. Distance in miles and direction from nearest town or post office*
29.5 MILES TO VERNAL, UT

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
520' LEASE LINE

16. No. of Acres in Lease
1251.49

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
3803

19. Proposed Depth
9939 MD
9939 TVD

20. BLM/BIA Bond No. on file
WYB000040

21. Elevations (Show whether DF, KB, RT, GL, etc.)
5128 GL

22. Approximate date work will start
03/01/2014

23. Estimated duration
21 D&C

24. Attachments

JAN 30 2014

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

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

DIV. OF OIL, GAS & MINING

25. Signature (Electronic Submission) Name (Printed/Typed) BRADY RILEY Ph: 303-312-8115 Date 03/27/2013

Title PERMIT ANALYST

Approved by (Signature) Name (Printed/Typed) Jerry Kenczka Date JAN 24 2014

Title Assistant Field Manager Lands & Mineral Resources Office VERNAL FIELD OFFICE

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

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

Electronic Submission #202735 verified by the BLM Well Information System
For BILL BARRETT CORPORATION, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 04/02/2013 (13JM0294AE)

NOTICE OF APPROVAL

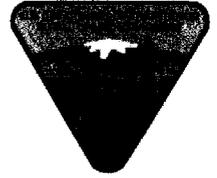


** BLM REVISED **



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

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Bill Barrett Corporation	Location:	SESE SEC 22 T06S R19E
Well No:	FD 16-22-6-19	Lease No:	UTU85589
API No:	43-047-53719	Agreement:	

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

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

NOTIFICATION REQUIREMENTS

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

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Air Quality

- Members of the construction crew shall be encouraged to car pool to and from the surrounding cities and towns as practicable to minimize vehicle-related emissions.
- No open burning of garbage or refuse at wells site or other facilities shall be allowed.
- During hot, dry and/or windy conditions, water or other approved dust suppressants shall be used at construction sites and along roads, as determined appropriate by the Authorized Officer.
- Open burning of garbage or refuse shall not occur at well sites or other facilities.
- Drill rigs shall be equipped with Tier II or better diesel engines.
- Phase II water lines shall be installed and buried to reduce incidents of freezing and to reduce the number of water-hauling trucks that could contribute to fugitive dust conditions.
- Where practicably feasible, well site telemetry shall be installed to remotely monitor and control production.
- Power lines shall be installed where possible, except where topographic features preclude installation of power lines. In addition, the ability to utilize electric power also requires that sufficient power capacity and infrastructure is readily available in the immediate area, including appropriate ROWs. Low bleed pneumatics shall be installed on separator dump valves and other controllers.
- During completion, venting and flaring shall be limited as much as possible. Production equipment and gathering lines shall be installed as soon as possible.
- When feasible, two (2) or more rigs (including drilling and completion rigs) shall not be run simultaneously within 200 meters of each other. If two (2) or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters from the nearest emission source shall be implemented. Examples of an effective public health protection buffer zone includes the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, BBC may demonstrate compliance with the 1-hour NO₂ NAAQS with appropriate and accepted near-field modeling. As part of this, BBC may propose alternative mitigation that will include but is not limited to natural gas-fire drill rigs, installation of NO_x controls, time/use restriction, and/or drill rig spacing.
- All internal combustion equipment shall be kept in good working order.
- All new and replacement spark-ignition natural gas-fired internal combustion engines shall comply with the applicable emission limits found in Subpart JJJJ of the New Source Performance standards (40 CFR 60 subpart JJJJ).
- Green completions shall be used for all well completion activities where technically feasible.
- Enhanced volatile organic compounds (VOCs) emission controls with 95 percent control efficiency shall be employed on storage tanks having a potential to emit greater than five (5) tons per year (tpy) of VOC uncontrolled.
- Per the terms set out in the Consent Decree (Civil Action No. 2:09-CV-330 TS), approved by the EPA on November 13, 2009, BBC shall commit to the following air quality protective measures listed below:
 - Dehydrator emissions from new oil and/or gas production facilities that exceed 20 tpy of VOCs shall be controlled to achieve a 95 percent by weight or greater reduction of VOC or total hazardous air pollutant emissions.
 - All internal combustion equipment and emission capture, collection and pollution abatement equipment, including vent lines, connections, fittings, valves, relief valves, hatches and other appurtenances required shall be maintained in good working order following manufacturer recommendations or best practices.
 - BBC shall implement a fugitive inspection and repair program.

- BBC shall employ tank best management practices such as requiring thief and other tank hatches are to be closed after gauging and unloading activities, installing low emission hatches and maintaining valves in a leak-free condition.

Water Resources, Including Waters of the United States

- If springs are encountered and impacted during construction, the spring(s) shall be protected, fenced, and repaired to pre-existing conditions at the direction of the BLM.
- If any work associated with construction of a proposed pipeline shall require the placement of dredged or fill material in an existing wetland or shall have the potential to alter the nature of existing water ways, the U.S. Army Corps of Engineers (USACE) shall be notified by BBC in order to obtain the necessary permits or jurisdictional determinations pursuant to Section 404 of the Clean Water Act.
- Surface disturbance and placement of staging areas, fueling and maintenance areas, shall be avoided within 330 feet from centerline of U.S. Geological Survey (USGS)-named drainages unless no other practical alternative exists.
- No excess material (e.g., soil, overburden, etc.) shall be stored within mapped 100-year floodplains of USGS-named drainages; all excess material shall be relocated to appropriate locations outside of 100-year floodplains within the project area.
- Construction activities at perennial or USGS-named drainage crossings (e.g., burying pipelines, installing culverts) shall be timed to avoid high flow conditions. Construction that disturbs any flowing stream shall utilize either a piped stream diversion or a cofferdam and pump to divert flow around the disturbed area.
- Culverts at drainage crossings shall be designed and installed to pass a 25-year or greater storm event. On perennial and USGS-named intermittent streams, culverts shall be designed to allow for passage of aquatic biota. The minimum culvert diameter in any installation for a drainage crossing or road drainage shall be 24-inches. Due to the likelihood for flash flooding in the project area's drainages and anticipated culvert maintenance, drainage crossings shall be designed for the 100-year storm event.
- Pipelines installed beneath USGS-named drainages shall be buried at a minimum depth of four (4) feet below the channel substrate to avoid exposure by channel scour and degradation. Following burial, the channel grade and substrate composition shall be returned to pre-construction conditions.

Protection from Erosion

- New and existing roads shall be constructed, updated, and maintained in accordance with the "Gold Book" (BLM-USFS 2007, as revised).
- No installation activity shall be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep in straight line travel routes, the soil shall be deemed too wet to adequately support the equipment, and installation activities shall cease until drier or frozen conditions are encountered.
- After testing of the pipeline, stabilization barriers, water bars, silt fences, or other erosion control devices shall be installed in the disturbed area. In areas where steep slopes occur, spoils shall be bermed and water shall be directed to rock armored turnouts to prevent down-slope erosion. Erosion blankets and hand seeding shall also be used in these areas.
- Minimize placement of well pads on ridgelines or steep slopes that shall result in excessive fill areas. If a well pad must be placed in such sites, site specific best management practices shall be constructed and maintained to minimize erosion of the fill areas and increased sedimentation from such sites.

- All storage tanks containing produced water, or other fluids which may constitute a hazard to public health or safety, shall be surrounded by a secondary means of containment for the entire contents of the tank, plus freeboard for precipitation, or to contain 110 percent of the capacity of the largest tank.
- Production facilities that have the potential to leak produced water, or other fluids which may constitute a hazard to public health or safety, shall be placed within appropriate containment and/or diversionary structures to prevent spilled or leaking fluid from reaching ground or surface waters.
- Notice of any reportable spill or leakage shall be reported per agency guidelines. Oral notice shall be given as soon as possible, but within no more than 24 hours, and those oral notices shall be confirmed in writing within 72 hours of any such occurrence.
- No oil, lubricant, or toxic substance shall be intentionally drained onto the ground surface.
- Topsoil shall be salvaged and stockpiled for later use. Topsoil stockpiles shall be designed to maximize surface area in order to reduce impacts to soil microorganisms.
- Areas used for spoil storage shall be stripped of topsoil before soil placement.
- Erosion protection and silt retention shall be provided by the installation and maintenance of silt catchment dams, where needed as feasible. At all well pad locations, soil berms shall be constructed to divert water runoff away from the drilling location.
- Reroute existing upslope drainages around proposed well pad locations and all topsoil and subsoil material stockpiles. Restore natural drainage routes as part of interim reclamation actions, if appropriate.
- Construct erosion control devices (i.e., riprap, weed-free straw bales, plant woody vegetation, etc.) at culvert outlets or as directed by the surface land owner. All such devices shall be completed to retain natural water flows.

Existing Facilities and Rights-of-Way

- If the proposed access roads and/or pipeline corridors cross existing fences, all fences shall be braced before being cut and a temporary gate shall be installed. All fences shall be restored to functional condition immediately after project completion.
- BBC shall repair or replace any fences, cattle guards, gates, drift fences and natural barriers that are damaged as a result of implementation of the proposed project. Cattle guards shall be the preferred method of livestock control on most road corridors where fences are crossed, unless otherwise directed by the surface landowner.

Fish and Wildlife, Including Special Status Animal Species

Big Game

- In order to reduce the potential for significant adverse impacts to big game populations, construction activity within mapped crucial habitat for big game species, (i.e., antelope or mule deer), as delineated by the Utah Division of Wildlife Resources (UDWR), may require site-specific consultation during select times of the year. Any decision to mitigate for a potential impact or to implement a restriction in crucial habitats shall be determined by the BLM, or any time before construction begins. This restriction shall not apply to maintenance and operation of existing facilities.
- Additional wildlife resource protection measures directed at protecting identified big game wildlife corridors shall be considered. New project-related disturbances within drainages and critical

corridors shall be avoided where practicable. Where the disturbances cannot be avoided, their locations shall be selected to minimize environmental effects and maximize maintenance of the corridor as a single unit. Specific details associated with minimization of environmental effects and mitigation as appropriate, within identified big game wildlife corridors shall be determined collaboratively with the BLM and BBC during the onsite process.

Migratory Birds

- Screens or other devices shall be installed on the stacks and on other openings of heater-treaters or fired-vessels as directed by the BLM.
- BBC shall remove any visible accumulation of other than *de minimis* oil from the drilling or workover pit immediately upon release of the drilling rig to reduce the potential of entrapping or poisoning migratory birds.

Raptors

- BBC shall comply with BLM's approved RMP decisions involving raptor management (specifically decision WL-21) (BLM 2008a). Surveys conducted on private surface land shall only occur at the discretion of the landowner.

Vegetation, Including Federally-listed Plant Species and Noxious and Invasive Species

- Reclamation actions outlined above shall be implemented, or as directed by the BLM.
- BBC shall aggressively identify, treat and control noxious and invasive plant species within the project area whose presence relates directly to oil and gas activities within the project area.
- BBC shall implement their current Pesticide Use Proposal (PUP), on file with the BLM.

Human Health and Safety

- To protect and minimize the possibility of fires during construction, all equipment, including welding trucks, shall be equipped with fire extinguishers and spark arresters.
- Where alignment of pipelines shall cross or parallel roads, highways or waterways, BBC shall provide warning signs to inform the public of the presence of the line.
- Vehicle users associated with the oil field shall be instructed to travel at low speed and remain on existing roads and well pads at all times.
- Storage facilities may be fenced as determined necessary by the BLM during the onsite process.

Protection from Hazardous Materials Spills

- Collection pipelines shall be designed to minimize potential for spills and leaks, including the following, where appropriate:
 - Stream banks shall be stabilized with large, angular rock or wire-enclosed riprap.
 - Substrate layers will be replaced in the same order that they are removed.
 - Pipeline crossings of streams and any riparian areas shall be at right angles to minimize the area of disturbance
 - Pipelines crossing live streams shall be protected by automatic shutoff valves.
- Construction methods shall provide for eliminating or minimize discharges of turbidity, sediment, organic matter or toxic chemicals. Settling basins or cofferdams may be utilized for this purpose.
- BBC shall inform their employees, contractors and subcontractors of the potential impacts that can result from accidental spills as well as the appropriate actions to take if a spill occurs.

- No produced water shall be discharged into surface water drainages or allowed to flow onto the ground surface.
- Notice of any reportable spill or leakage shall be immediately reported by BBC, or their contractors/subcontractors as required by regulation. Oral notice shall be given as soon as possible, but within no more than 24 hours. Oral notices shall be confirmed in writing within 72 hours of any such occurrence.
- Any deviation of submitted APD's, which includes BBCs surface use plan, and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.

General Conditions of Approval

- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COAs, and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations will be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

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

SITE SPECIFIC DOWNHOLE COAs:

1. Gamma Ray Log shall be run from Total Depth to Surface.
2. To effectively protect useable water, cement for the long string is required to be brought 200 feet above the surface casing shoe.
3. A bowl diverter system, which is connected and discharges to a panic or choke blooie line, shall be installed while drilling of the surface hole section

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in CD (compact disc) format to the Vernal BLM Field Office. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ($\frac{1}{4}$ $\frac{1}{4}$, Sec., Twn, Rng, and P.M.).

- Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
 - All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
 - Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
 - All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
 - Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
 - A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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.	
1. TYPE OF WELL Oil Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU85589
2. NAME OF OPERATOR: BILL BARRETT CORP	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S	8. WELL NAME and NUMBER: FD Federal 16-22-6-19
PHONE NUMBER: 303 312-8134 Ext	9. API NUMBER: 43047537190000
9. FIELD and POOL or WILDCAT: WILDCAT	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/30/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input 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 checked="" 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.

BBC hereby requests a one year extension for APD.

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

Date: March 25, 2014

By: 

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 3/24/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047537190000

API: 43047537190000

Well Name: FD Federal 16-22-6-19

Location: 0800 FSL 0800 FEL QTR SESE SEC 22 TWNP 060S RNG 190E MER S

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 4/30/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Christina Hirtler

Date: 3/24/2014

Title: Administrative Assistant Representing: BILL BARRETT CORP

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU85589
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: UINTAH STATE: UTAH

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

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

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

Bill Barrett Corporation is requesting permission to revise the surface casing set depth for this well from 2000' to 1200'. Hole size will remain the same. Surface casing size will change from 9-5/8" to 8-5/8". Revised cement amounts will change to 170sx (lead) and 270sx (tail) and the production cement amount will change to 810sx (lead) and 340sx (tail). See attached revised drilling plan for additional information.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 May 13, 2014**

Date: _____
By: Dark Oust

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

DRILLING PLAN REVISED
BILL BARRETT CORPORATION

FD Federal 16-22-6-19

SESE, 800' FSL & 800' FEL, Sec. 22, T6S-R19E, SLB&M, Uintah County, UT

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

<u>Formation</u>	<u>Depth</u>
Uinta	1939'
Green River	4874'
Mahogany	6399'
TGR3	7664'
Douglas Creek	7844'
Black Shale	8324'
Castle Peak	8424'
Wasatch	9139'
TD	9639'

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

Base of Moderately Saline Water: 4249'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
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.	

4. Casing Program

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

NOTE: May pre-set 8-5/8" surface casing with spudder rig. See Appendix A below.

Bill Barrett Corporation
Drilling Program
FD Federal #16-22-6-19
Uintah County, Utah

5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing	Lead: 170 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft 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: 340 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 @ 7824'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
80' – 1200'	9.2 – 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
1200' – TD	9.4 – 9.5	42-52	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.
NOTE: If BBC pursues the "Alternate" program, a suite of the above logs will be run on both the intermediate and production hole sections.	

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4910 psi* and maximum anticipated surface pressure equals approximately 2723 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)

Bill Barrett Corporation
Drilling Program
FD Federal #16-22-6-19
Uintah County, Utah

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

9. Auxiliary Equipment

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

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. Drilling Schedule

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

12. Appendix A

If we pre-set the 9-5/8" casing on this well with a spudder rig, the following equipment shall be in place and operational during air/gas drilling:

- Blooie line discharge will be a minimum of **45'** from well bore and securely anchored
- Mud circulating equipment and a minimum of 200 bbls of water will be on location (Volume sufficient to maintain the capacity of the hole and circulating tanks or pits).
- No igniter will be on blooie line while drilling the surface hole
- The spudder/air rig air compressor will be located on the rig



Bill Barrett Corporation

FORT DUSHESNE CEMENT VOLUMES

Well Name: FD Federal 16-22-6-19 REVISED

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

Production Hole Data:

Total Depth:	9,639'
Top of Cement:	700'
Top of Tail:	7,824'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1851.4	ft ³
Lead Fill:	7,124'	
Tail Volume:	471.7	ft ³
Tail Fill:	1,815'	

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:	340

FD Federal 16-22-6-19 REVISED Proposed Cementing Program

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

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (7824' - 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: 7,124'
	Volume: 329.72 bbl
	Proposed Sacks: 810 sks
Tail Cement - (9639' - 7824')	
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: 7,824'
	Calculated Fill: 1,815'
	Volume: 84.01 bbl
	Proposed Sacks: 340 sks

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU85589
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD Federal 16-22-6-19
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2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047537190000
--	---

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: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/5/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Bill Barrett Corporation is requesting permission to revise the production casing grade from P-110 to I-80. Production casing and hole size along with cement totals will remain the same as previously approved.

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

Date: _____
By: Dark Ount

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 6/5/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU85589	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
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.		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FD Federal 16-22-6-19	
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43047537190000	
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: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/29/2014 <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 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.			
Drilling Contractor: Pete Martin Spud Date: 7/29/2014 Spud Time: 9:30 AM Commence Drilling approximate start date: 8/15/2014 Rig # R-16 Type SoilMec Hydraulic Drilling Rig			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 30, 2014			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 7/30/2014	

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted
By Ricky Kuhr Phone Number 303-353-5374
Well Name/Number FD 16-22-6-19
Qtr/Qtr SE/SE Section 24 Township 6S Range 19E
Lease Serial Number UTU89382
API Number 43-047-53719

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 8/11/2014 1:00 AM PM

BOPE

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

Date/Time 8-12-14 7:30 AM PM

Remarks Running 1200' of 8 5/8", 24#, J-55, ST&C csg. PLEASE CALL WITH ANY QUESTIONS

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 330 Submitted
By Pat Clark Phone Number 303-353-5374
Well Name/Number FD 16-22-6-19
Qtr/Qtr SE/SE Section 15 Township 6S Range 19E *SE 0 72*
Lease Serial Number UTU89382
API Number 43-047-53719

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 8/22/2014 11:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks Running 9165' of 5 1/2", 17#, I-80, LT&C csg. PLEASE CALL WITH ANY QUESTIONS

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU85589
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD Federal 16-22-6-19
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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: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S
	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the August 2014 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 03, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 9/3/2014	

**FD 16-22-6-19 8/10/2014 12:00 - 8/11/2014 06:00**

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
12:00	8.00	20:00	1	RIGUP & TEARDOWN	MOVE RIG	
20:00	10.00	06:00	1	RIGUP & TEARDOWN	RIG UP FOR SURFACE DRILLING, RIG UP RISER, FLOWLINE, (CLEAN OUT PLUGGED OFF FLOW LINE) FLOOR ELEC., BOOM FILL PITS HOOK UP PASON LINES SOME RIG REPAIRS LAY OUT B.H.A	

FD 16-22-6-19 8/11/2014 06:00 - 8/12/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.50	08:30	1	RIGUP & TEARDOWN	FINISH RIGGING UP AND STRAPPING B.H.A	
08:30	2.00	10:30	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS REAMERS AND SHOCK SUB SCRIBE RIG ON DAY WORK @ 8:30	
10:30	1.00	11:30	21	OPEN	SLIP AND CUT	
11:30	1.00	12:30	20	DIRECTIONAL WORK	FINISH PICKING UP DIRECTIONAL TOOLS AND INSTALL MWD TOOL	
12:30	12.50	01:00	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 90'-713' (623') 50' FPH AVG GPM= 639 TOPDRIVE RPM=40 MOTOR RPM=108 TOTAL RPM=148 WT ON BIT=20K OFF BOTTOM PRESSURE=1193 PSI DIFF BTM 1135PRESS=150-300PSI TQ=4.5K	
01:00	0.50	01:30	7	LUBRICATE RIG	RIG SERVICE	
01:30	4.50	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 713'-1083' (370') 93' FPH AVG GPM= 639 TOPDRIVE RPM=40 MOTOR RPM=108 TOTAL RPM=148 WT ON BIT=20K OFF BOTTOM PRESSURE=1193 PSI DIFF BTM 1135PRESS=150-300PSI TQ=4.5K	

FD 16-22-6-19 8/12/2014 06:00 - 8/13/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.00	09:00	2	DRILL ACTUAL	STEERABLE DRILLING 12 1/4 SURFACE F/ 1083'-123 1' (148') 51' FPH AVG GPM= 639 TOPDRIVE RPM=40 MOTOR RPM=108 TOTAL RPM=148 WT ON BIT=20K OFF BOTTOM PRESSURE=1193 PSI DIFF BTM 1135PRESS=150-300PSI TQ=4.5K	
09:00	0.50	09:30	5	COND MUD & CIRC	CIRCULTE SWEEP AROUND	
09:30	2.00	11:30	6	TRIPS	SHORT TRIP TO 8' AND BACK TO BOTTOM	
11:30	0.50	12:00	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP	
12:00	1.50	13:30	6	TRIPS	TRIP OUT OF THE HOLE	
13:30	1.00	14:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS 3 POINT REAMERS, SHOCK SUB AND BREAK BIT,	
14:30	1.50	16:00	21	OPEN	RIG UP FLOOR FOR 8 5/8 CASING RUN	
16:00	3.50	19:30	12	RUN CASING & CEMENT	RUN 8 5/8 24# J55 STC CASING BLM NOTIFIED @ 8/10/14 @ 11:00 AM FOR CASING AND B.O.Ps TESTING	
19:30	1.00	20:30	5	COND MUD & CIRC	CIRCULATE SWEEP AND WAIT ON CORRECT CEMENT HEAD TO SHOW UP CEMENT HEAD WOULD NOT WORK PROPER RIG DOWN AND INSTALL SWEDGE	
20:30	2.00	22:30	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW - TEST LINES @ 3000 PSI, 20 BBLs FRESH WATER 40 BBLs SUPER FLUSH @ 10 PPG 20 BBLs WATER 90 BBLs LEAD CEMENT 160 SKS @ 11 PPG YP 3.16 GAL/SK 19.43 67 BBLs TAIL CEMENT 270 SKS @ 14.8 PPG YP 1.32 GAL/SK 6.62 SHUT DOWN WASH UP LINES DROP PLUG DISPLACE WITH 78 BBLs FRESH WATER FINAL LIFT PRESURE 380 PSI BUMP THE PLUG @ 980 PSI 30 BBLs OF CEMENT BACK TO SURFACE FLOATS HELD	
22:30	1.00	23:30	13	WAIT ON CEMENT	WOC WHILE RIG DOWN CEMENT SWEDGE RIG UP 1" FOR TOP OUT	
23:30	0.50	00:00	12	RUN CASING & CEMENT	RUN 100' 1" PIPE DOWN THE BACKSIDE TOP OUT WITH 80 SX 15 BBLs WAIT A HOUR RELEASE HALLIBURTON	
00:00	3.00	03:00	13	WAIT ON CEMENT	WAIT ON CEMENT TO SET UP	
03:00	0.50	03:30	12	RUN CASING & CEMENT	PICK UP CONDUCTOR CUT 8 5/8 CASING	
03:30	2.00	05:30	12	RUN CASING & CEMENT	WELD ON 11" 5M X 8-5/8" SOW CASING HEAD.	
05:30	0.50	06:00	14	NIPPLE UP B.O.P	NIPPLE UP STACK	

**FD 16-22-6-19 8/13/2014 06:00 - 8/14/2014 06:00**

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	5.00	11:00	14	NIPPLE UP B.O.P	N/U B.O.Ps	
11:00	4.00	15:00	15	TEST B.O.P	TEST B.O.Ps TEST 5000 HIGH F/10 MINS LOWER AND UPPER KELLY VALVE F.O.S.V AND DART VALVE PIPE RAMS INSIDE VALVES HCR, KILL LINE CHOKE LINE, CHECK VALVE INSIDE MANIFOLD VALVES BLIND RAMS SUPER CHOKE TEST 2500 PSI HIGH ANNULAR TEST SURFACE CASING TO 1500 PSI FOR 30 MINS)	
15:00	0.50	15:30	21	OPEN	INSTALL WARE BUSHING	
15:30	2.50	18:00	20	DIRECTIONAL WORK	PICK UP DIRECTIONAL TOOLS SCRIBE TOOL AND PICK UP 3 POINT REAMERS	
18:00	1.50	19:30	6	TRIPS	TRIP IN THE HOLE	
19:30	1.00	20:30	2	DRILL ACTUAL	DRILL OUT FLOAT EQUIPMENT AND 20' NEW HOLE TAG FLOAT @ 1185' TAG SHOE @ 1231' DRLG F/ 1231'-1251' 350 GPM 30 RPM 11 WOB	
20:30	0.50	21:00	21	OPEN	PUMP LCM SWEEP PERFORM EMW TEST 130 PSI 10.5 PPG MUD WEIGHT	
21:00	2.00	23:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 1251'-1481' (250') 125' FPH AVG GPM=466 TOPDRIVE RPM=40 MOTOR RPM=79 TOTAL RPM=119 WT ON BIT=20K OFF BOTTOM PRESSURE=1400 PSI DIFF PRESS=150-300PSI TQ=3K	
23:00	0.50	23:30	7	LUBRICATE RIG	RIG SERVICE	
23:30	6.50	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 1481'-2514' (1033') 158' FPH AVG GPM=466 TOPDRIVE RPM=40 MOTOR RPM=79 TOTAL RPM=119 WT ON BIT=20K OFF BOTTOM PRESSURE=1400 PSI DIFF PRESS=150-300PSI TQ=3K (MORNING TOUR B.O.P DRILL 1 MIN)	

FD 16-22-6-19 8/14/2014 06:00 - 8/15/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	9.50	15:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 2514'-3630' (1116') 119' FPH AVG GPM=466 TOPDRIVE RPM=40 MOTOR RPM=79 TOTAL RPM=119 WT ON BIT=22K OFF BOTTOM PRESSURE=1400 PSI DIFF PRESS=150-300PSI TQ=3K (DAYLIGHT TOUR B.O.P DRILL 1 10 SEC)	
15:30	0.50	16:00	7	LUBRICATE RIG	RIG SERVICE	
16:00	13.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 3630'-4582' (952') 90' FPH AVG GPM=582 TOPDRIVE RPM=40 MOTOR RPM=93 TOTAL RPM=133 WT ON BIT=18K OFF BOTTOM PRESSURE=1400 PSI DIFF PRESS=150-300PSI TQ=3K LARGE AMOUNT OF RUBBLE GOING ACROSSED THE SHAKERS F/ 3700'-4300'	
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE	

FD 16-22-6-19 8/15/2014 06:00 - 8/16/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 4582'-5182' (600') 52' FPH AVG GPM=466 TOPDRIVE RPM=40 MOTOR RPM=76 TOTAL RPM=113 WT ON BIT=23K OFF BOTTOM PRESSURE=1300 PSI DIFF PRESS=150-300PSI TQ=3K	
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE	
18:00	10.00	04:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 5182'-5481' (302') 31' FPH AVG GPM=550 TOPDRIVE RPM=45 MOTOR RPM=88 TOTAL RPM=133 WT ON BIT=23K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K	
04:00	0.50	04:30	7	LUBRICATE RIG	RIG SERVICE	
04:30	1.50	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 5481'-5507' (26') 18' FPH AVG GPM=500 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=23K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K	

FD 16-22-6-19 8/16/2014 06:00 - 8/17/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 F/ 5507' 5514' WOB 27K GPM 466 13 FPH
06:30	1.00	07:30	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND BRING UP VIS CIRCULATE SHAKERS CLEAN
07:30	4.00	11:30	6	TRIPS	TRIP OUT OF HOLE
11:30	1.50	13:00	20	DIRECTIONAL WORK	CHANGE OUT BIT LAY DOWN 3 POINT REAMERS RE SCRIBE MOTOR
13:00	4.50	17:30	6	TRIPS	TRIP IN HOLE WASH LAST 100'
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	12.00	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 5514'-5780' (266') 23' FPH AVG GPM=500 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=22K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K

FD 16-22-6-19 8/17/2014 06:00 - 8/18/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 5780'-6026 (246') 22' FPH AVG GPM=500 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=22K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	12.00	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 6026'-6313'(251) 23' FPH AVG GPM=500 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=26K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K (GEOLOGY DRILLING THROUGH HIGH CONCENTRATED SANDS)

FD 16-22-6-19 8/18/2014 06:00 - 8/19/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	7.00	13:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 6313'-6589 (276) 41' FPH AVG GPM=500 TOPDRIVE RPM=45 MOTOR RPM=80 TOTAL RPM=125 WT ON BIT=26K OFF BOTTOM PRESSURE=1800 PSI DIFF PRESS=150-300PSI TQ=4-6K
13:00	0.50	13:30	7	LUBRICATE RIG	RIG SERVICE
13:30	5.50	19:00	6	TRIPS	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 6589'-6805 (216) 40' FPH AVG GPM=520 TOPDRIVE RPM=45 MOTOR RPM=83 TOTAL RPM=128 WT ON BIT=26K OFF BOTTOM PRESSURE=2013 PSI DIFF PRESS=150-300PSI TQ=4-6K
19:00	1.00	20:00	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND
20:00	4.00	00:00	6	TRIPS	TRIP OUT OF HOLE PULL 10 JOINTS FLOW CHECK PUMP SLUG
00:00	2.50	02:30	20	DIRECTIONAL WORK	LAY DOWN MUD MOTOR BREAK BIT PICK UP NEW MUD MOTOR M/U NEW BIT SCRIBE MWD TOOLS
02:30	0.50	03:00	7	LUBRICATE RIG	RIG SERVICE
03:00	3.00	06:00	6	TRIPS	TRIP IN HOLE T/ 4600' BREAKINF CIRC EVERY 2000' GOOD RETURNS

FD 16-22-6-19 8/19/2014 06:00 - 8/20/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	6	TRIPS	TRIP IN THE HOLE WITH NEW MUD MOTOR AND BIT F/ 4700'-6805'
07:00	10.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 6805'-7329 (524) 51' FPH AVG GPM=454 TOPDRIVE RPM=35-40 MOTOR RPM=77 TOTAL RPM=112 WT ON BIT=18-19K OFF BOTTOM PRESSURE=2013 PSI DIFF PRESS=150-300PSI TQ=4-6K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 7329'-7764' (435) 40' FPH AVG GPM=454 TOPDRIVE RPM=35-40 MOTOR RPM=77 TOTAL RPM=112 WT ON BIT=18-19K OFF BOTTOM PRESSURE=2080 PSI DIFF PRESS=150-300PSI TQ=4-6K
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD 16-22-6-19 8/20/2014 06:00 - 8/21/2014 06:00**

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	Steerable Drilling 7764' - 8321'. Wob 23k, rpm 50/79, gdp 462, spp 2450 psi, dp 250 psi, rop 53 fph.
16:30	0.50	17:00	7	LUBRICATE RIG	Rig Service.
17:00	13.00	06:00	2	DRILL ACTUAL	Steerable Drilling 8321' - 8870'. Wob 23k, rpm 50/79, gdp 462, spp 2450 psi, dp 250 psi, rop 42 fph.

FD 16-22-6-19 8/21/2014 06:00 - 8/22/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable Drilling 8870' - 9185'. Wob 23k, rpm 50/79, gdp 462, spp 2450 psi, dp 250 psi, rop 27 fph. TD well @ 17:30. Pumped sweep on last connection.
17:30	1.00	18:30	5	COND MUD & CIRC	C&C mud, pump pill.
18:30	4.00	22:30	6	TRIPS	ST to 6300'.
22:30	1.00	23:30	5	COND MUD & CIRC	C&C mud, pump pill.
23:30	5.00	04:30	6	TRIPS	Toh.
04:30	1.00	05:30	20	DIRECTIONAL WORK	LD Bha, dir tools.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 16-22-6-19 8/22/2014 06:00 - 8/23/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	12	RUN CASING & CEMENT	Pull wear bushing, RU to run csg.
07:00	9.00	16:00	12	RUN CASING & CEMENT	Run 5 1/2", 17#, I-80, LT&C csg as follows: FS, 2 jts csg, FC, 17 jts csg, MJ @ 8291', 15 jts csg, MJ @ 7604', 170 jts csg (204 total), pup, mandrel, LJ. Tag bottom. Reciprocate, C&C w/jt # 205 before landing f/cmt.
16:00	3.00	19:00	5	COND MUD & CIRC	C&C mud f/cmt. Full returns.
19:00	6.00	01:00	12	RUN CASING & CEMENT	HSM. Cement prod csg as follows: Test lines to 5000 psi. Pump 30 bbl Tuned spacer @ 10.5 ppg, 20 bbls H2O spacer, 30 bbl super flush @ 10 ppg, 20 bbl H2O spacer. Mix and pump 545 sx (227 bbls) tuned lite lead @ 11 ppg, 2.34 yld, 10.1 gps h2o. Tail in with 725 sx (187 bbls) Expandacem @ 13.5 ppg, 1.45 yld, 6.91 gps h2o. Wash up to pit, drop plug, displace with 211 bbls Cla-web/Aldicide @ 8.34 ppg. Max pressure 2160 psi, bump plug to 2900 psi. Bled back 1.5 bbls, floats held. Full returns until 170 bbls into displacement lost returns. 10 bbls cmt to surface. R/D HES.
01:00	1.00	02:00	21	OPEN	Set and test packoff.
02:00	4.00	06:00	21	OPEN	NDBOP, clean pits. Rig released @ 06:00

FD 16-22-6-19 8/24/2014 06:00 - 8/25/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

FD 16-22-6-19 8/28/2014 06:00 - 8/29/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOGG	Logging	HSM. MIRU HES. RIH W/ GR/JB TO TAG AT 9013'. DRLG SHOWS FC AT 9073' (60' FILL). RIH W/ RMT/CBL-M TOOLS. LOG RMT FROM TD TO 3000', LOG CBL-M FROM TD TO SURFACE. LOG SHOWS GOOD CMT FROM TD-3100'. POOR CMT 3100'-1650'. SHORT JTS AT 8266'-8290' AND 7582'-7606'. LOGGED WITHOUT PRESSURE. RDMO HES. 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: UTU85589	
		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 Federal 16-22-6-19	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047537190000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <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"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/28/2014			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
this well had first production on 9/28/2014			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 29, 2014			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A		DATE 9/29/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU85589
		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 Federal 16-22-6-19
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047537190000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: UINTAH
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Attached is the September 2014 Drilling Activity for this well.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 06, 2014**

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 10/2/2014	

**FD 16-22-6-19 9/12/2014 06:00 - 9/13/2014 06:00**

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	PTST	Pressure Test	HSM. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL

FD 16-22-6-19 9/19/2014 06:00 - 9/20/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	SRIG	Rig Up/Down	Cost up-date on expenses. All rentals are on location. Frac tanks full 2% KCL. Frac tree, and flowback equipment NU/RU. Guyline anchors set.

FD 16-22-6-19 9/25/2014 06:00 - 9/26/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	SRIG	Rig Up/Down	MI, and spot mountain mover. Pre-fill thruout night. Willie's MIRU 3- frac heaters. Heated all fluid to 90° average. RDMO. HES frac started MI equipment in evening. Blade ruts, and mud holes out on location. Cost up-date.

FD 16-22-6-19 9/26/2014 06:00 - 9/27/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	2.00	09:00	SRIG	Rig Up/Down	MIRU CUTTERS WITH 5" 10K LUBE AND EQUIP.
09:00	1.00	10:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 7582'-7606' & 8266'-8290'. RUN DOWN AND PERF UTELAND BUTTE FORM 8693'-8968' WITH 57 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
10:00	5.00	15:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET. CREW ALSO PERFORMED PUMP MAINTENANCE ON PUMP TRUCKS.
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE

FD 16-22-6-19 9/27/2014 06:00 - 9/28/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.10	06:06	SMTG	Safety Meeting	AOL 04:30. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS.
06:06	0.99	07:05	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7700 PSI. OPEN WELL W/ 25 PSI AT 6:00 AM BREAK DOWN 3821 PSI AT 9.7 BPM. PMP 3900 GAL 15% HCL ACID W/ 114 BIO BALLS FOR DIVERSION. 10 BPM AT 2145 PSI. FLUSH W/ 8488 GAL. 30 BPM AT 2940 PSI. BALL OUT, SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.7 BPM AT 3762 PSI. ISDP 2044 . FG .67. PERFS OPEN 30/57 ISIP 2340 , FG .70, MR 71.1 BPM, AR 69.8 BPM, MP 4502 PSI, AP 3602 PSI 20/40 WHITE 150,400 lbs 2.0, 3.0, 3.5, and 4.0 ppg SLK WTR 1556 BBL, 20# HYBOR G (16) 1435 BBL, BTR 3096 BBLs. STAGE SCORE 9.5 SHUT IN AND TURN OVER TO CUTTERS



Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
07:05	1.59	08:40	PFRT	Perforating	PERF STG #2- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2000 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7582'-7606' & 8266'-8290'. RUN DOWN AND SET 5-1/2" CBP AT 8679' WITH 1925 PSI. PULL UP AND PERF UTELAND BUTTE FORM 8399'-8659' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1350 PSI. TURN WELL OVER TO HES.
08:40	1.33	10:00	FRAC	Frac. Job	FRAC STG 2 PRESSURE TEST LINES TO 7100 PSI. OPEN WELL W/ 600 PSI AT 9:00 AM BREAK DOWN 4844 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 2475 PSI. FLUSH W/ 8201 GAL. 29.2 BPM AT 3140 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 66.7 BPM AT 4483 PSI. ISDP 2624 . FG .75. PERFS OPEN 30/45 ISIP 3020 , FG .79, MR 70.6 BPM, AR 70.4 BPM, MP 4405 PSI, AP 4122 PSI 20/40 WHITE 150,400 lbs 1.0, 2.0ppa, 3.0,3.5 & 4.0PPG SLK WTR 1553 BBL, 20# HYBOR G (16) 1331 BBL, BTR 2977 BBLs. STAGE SCORE 10. "STARTED SAND OUT ON 1LB DUE TO TREATING PSI. ONCE SAND HIT PERFS AND NO PSI INCREASE PUMPED REMAINDER OF ZONE TO DESIGN SET PTS. SHUT IN AND TURN OVER TO CUTTERS.
10:00	1.50	11:30	PFRT	Perforating	PERF STG #3- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 2600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7582'-7606' & 8266'-8290'. RUN DOWN AND SET 5-1/2" CBP AT 8373' WITH 2400 PSI. PULL UP AND PERF CR2/WASATCH FORM 8080'-8353' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2150 PSI. TURN WELL OVER TO HES. "WHEN WE SELECTED THE LAST GUN WE DIDN'T SEE ANY INDICATION OF IT GOING OFF. POOH ALL GUNS HAD FIRED WE BELIEVE GUNS 14 & 15 FIRED TOGETHER. SO GUN 15 PERFED 8080.5'-8081.5' INSTEAD OF 8074'-8075' NOTIFIED DENVER AND MOVED FORWARD WITH FRAC.
11:30	1.41	12:55	FRAC	Frac. Job	FRAC STG 3 PRESSURE TEST LINES TO 7100 PSI. OPEN WELL W/ 2150 PSI AT 11:45AM BREAK DOWN 3120 PSI AT 9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10 BPM AT 2380 PSI. FLUSH W/ 7883 GAL. 30 BPM AT 2990 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 15 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 64.9 BPM AT 3976 PSI. ISDP 2565 . FG .75. PERFS OPEN 30/45 ISIP 2847 , FG .78, MR 65 BPM, AR 64.3 BPM, MP 4379 PSI, AP 3695 PSI 20/40 WHITE 150,200 lbs 2.0, 3.0,3.5 & 4.0PPG SLK WTR 1522 BBL, 20# HYBOR G (16) 1167 BBL, BTR 2782 BBLs. STAGE SCORE 10. SHUT IN AND TURN OVER TO CUTTERS.
12:55	1.33	14:15	PFRT	Perforating	PERF STG #4- PU HES 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 2650 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7582'-7606'. RUN DOWN AND SET 5-1/2" CBP AT 8031' WITH 2500 PSI. PULL UP AND PERF STG 4 UTELAND/CR1A FORM 7776'-8011' WITH 60 HOLES IN 9' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1000 PSI. TURN WELL OVER TO HES.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:15	1.25	15:30	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 680 PSI AT 14:15 BREAK DOWN 3103 PSI AT 9.9 BPM. PMP 3900 GAL 15% HCL ACID W/ 120 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1650 PSI. FLUSH W/ 7592 GAL. 31 BPM AT 2920 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 3643 PSI. ISDP 2165 . FG .71. PERFS OPEN 33/60 ISIP 2250 , FG .72, MR 70.4 BPM, AR 69.5 BPM, MP 4701 PSI, AP 3361 PSI 20/40 WHITE 151,360 lbs 2.0, 3.0, 3.5, and 4.0 ppg SLK WTR 1520 BBL, 20# HYBOR G (16) 1259 BBL, BTR 2860 BBLs. STAGE SCORE 10. HES RIG DOWN CANDY OFF OF WELL HEAD. SHUT IN AND TURN OVER TO CUTTERS
15:30	1.00	16:30	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 2050 PSI. RIH AND CORRELATE TO SHORT JT 7582'-7606'. SET KILL PLUG AT 7660' WITH 2000 PSI. BLEED OFF AS POOH.
16:30	2.00	18:30	SRIG	Rig Up/Down	RDMO CUTTERS AND HES FRAC FLEET
18:30	11.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SHUT IN AND SECURE FOR NIGHT.

FD 16-22-6-19 9/28/2014 06:00 - 9/29/2014 06:00

API 43-047-53719	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,185.0	Primary Job Type Drilling & Completion
---------------------	------------------------	------------------	-----------------------------	--------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	0.50	07:30	RMOV	Rig Move	RAOD RIG TO LOCATION.
07:30	2.00	09:30	SRIG	Rig Up/Down	RUSU.
09:30	1.50	11:00	BOPI	Install BOP's	CHECK PRESSURE. 0 PSI. ND FRAC STACK. NU 7" 5K BOP AND HYDRIL. RU FLOOR.
11:00	2.00	13:00	GOP	General Operations	SPOT CATWALK AND PIPE RACKS. UNLOAD 292-JTS 2-7/8" L-80 6.5# EUE TBG.
13:00	3.50	16:30	RUTB	Run Tubing	MU 4-3/4" HURRICANE BIT, DOUBLE BFF SUB BIT SUB, 1-JT, DRAIN SUB. RIH W/ 240-JTS-JTS 2-7/8" TBG. RU DRLG EQUIP.
16:30	0.50	17:00	PTST	Pressure Test	FILL TBG. PRES TEST TO 2000 PSI. GOOD.
17:00	2.00	19:00	DOPG	Drill Out Plugs	EST CIRC AND D/O PLUGS. PMP 1 BPM. RET 2 BPM. HOLD 1000 PSI BACK PRESSURE AS BEGIN DRLG PLUGS. CBP #1 AT 7660'. 0' FILL. D/O IN 25 MIN. FCP 1100# ON 21/64". RIH. CBP #2 AT 8031'. 32' FILL. D/O IN 30 MIN. FCP 1500# ON 16/64". HANG PWR SWIVEL. FLOW CLEAN. TURN OVER TO FBC AND PRODUCTION FOR NIGHT.
19:00	11.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PRODUCTION FOR NIGHT.

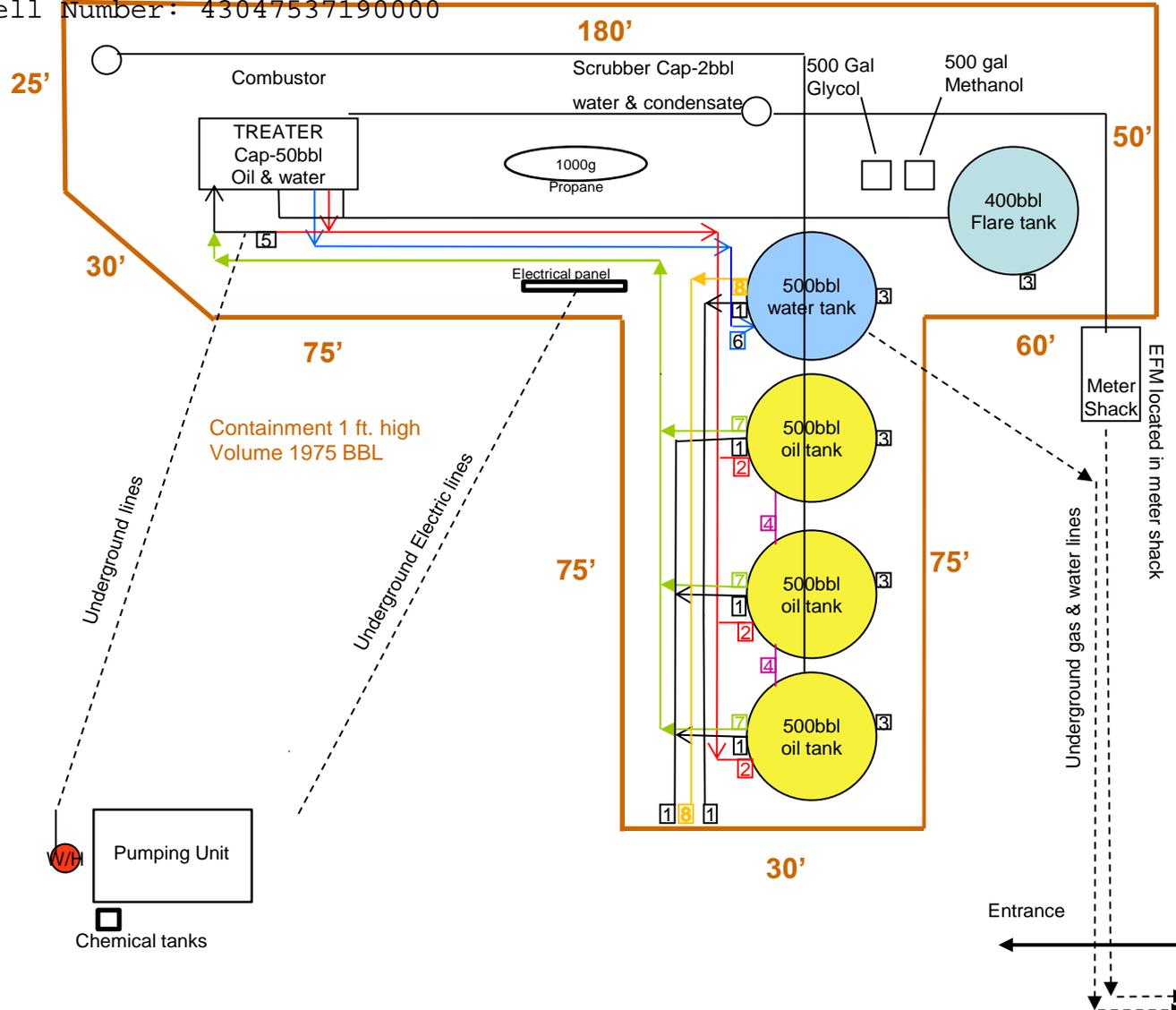
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU85589
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: FD Federal 16-22-6-19
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047537190000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		COUNTY: UINTAH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/5/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text" value="SSD"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ATTACHED PLEASE FIND THE SITE FACILITY DIAGRAM/SITE SECURITY.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 10, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 11/5/2014	

Sundry Number: 57477 API Well Number: 43047537190000

BILL BARRETT CORPORATION

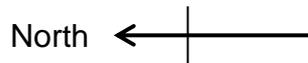
FD Federal 16-22-6-19
 SE¼SE¼ SEC.22,T6S,R19E,
 Lease # UTU 85589
 API # 43-047-53719
 Uintah Co. Utah

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 East into dry drainage. Irrigation canal ¼ mile to east.



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

EFM located in meter shack

Underground gas & water lines

Entrance

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU85589

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator BILL BARRETT CORPORATION E-Mail: chirtler@billbarrettcorp.com			8. Lease Name and Well No. 16-22-6-19 FD FEDERAL		
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		3a. Phone No. (include area code) Ph: 303-312-8597	9. API Well No. 43-047-53719		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 22 T6S R19E Mer SLB SESE 800FSL 800FEL At top prod interval reported below SESE 771FSL 802FEL At total depth SESE 748FSL 783FEL			10. Field and Pool, or Exploratory WILDCAT		
14. Date Spudded 07/29/2014			15. Date T.D. Reached 08/21/2014	16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 09/28/2014	
17. Elevations (DF, KB, RT, GL)* 5128 GL			11. Sec., T., R., M., or Block and Survey or Area Sec 22 T6S R19E Mer SLB		
12. County or Parish UINTAH COUNTY			13. State UT		
18. Total Depth: MD 9185 TVD 9183		19. Plug Back T.D.: MD 9045 TVD 9043		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) TRIPLE COMBO, CBL, MUD			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0		80	80				
12.250	9.625 J-55	36.0		1231	1230	430	285		
7.875	5.500 I-80	17.0		9185	9164	1270	414	1810	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8882							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	7776	8968	7776 TO 8968	0.380	162	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7776 TO 8968	GREENRIVER 1-4

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/28/2014	10/09/2014	24	→	160.0	17.0	199.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/64	SI 400	200.0	→	160	17	199	106	POW	

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #274326 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	5417
				MAHOGANY	6581
				TGR3	7771
				DOUGLAS CREEK	7917
				BLACK SHALE FACIES	8936
				CASTLE PEAK	8484
				UTELAND BUTTE	8691
				WASATCH	9185

32. Additional remarks (include plugging procedure):
 TOC was calculated by CBL, Conductor was cemented with grout. Attaches is the treatment data and logs. First gas was on 9/30/2014, 10/11/2014 first oil sales .

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

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

**Electronic Submission #274326 Verified by the BLM Well Information System.
 For BILL BARRETT CORPORATION, sent to the Vernal**

Name (please print) CHRISTINA HIRTLER Title PERMIT ANALYST

Signature (Electronic Submission) Date 10/28/2014

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

**** ORIGINAL ** ORIGINAL ****

RECEIVED: Oct. 28, 2014

FD 16-22-6-19 Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs 20/40 Premium White</u>	<u>gal 15% HCl Acid</u>
1	3096	150400	4400
2	2977	150400	3900
3	2782	150200	3900
4	2860	151360	3400

*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 16-22-6-19
Project:	Fort Duchesne	TVD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Site:	SECTION 22 T6S, R19E	MD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Well:	FD 16-22-6-19	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 22 T6S, R19E		
Site Position:		Northing:	11,162,667.08 usft
From:	Lat/Long	Easting:	2,125,594.63 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 16' 42.740 N
		Longitude:	109° 45' 45.430 W
		Grid Convergence:	1.06 °

Well	FD 16-22-6-19, SHL: 40° 16' 42.740 -109° 45' 45.430					
Well Position	+N/-S	0.0 usft	Northing:	11,162,667.07 usft	Latitude:	40° 16' 42.740 N
	+E/-W	0.0 usft	Easting:	2,125,594.63 usft	Longitude:	109° 45' 45.430 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,141.0 usft	Ground Level:	5,128.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/2/2014	10.82	65.96	52,131

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	162.10

Survey Program	Date	9/1/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
111.0	9,185.0	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 16-22-6-19
Project:	Fort Duchesne	TVD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Site:	SECTION 22 T6S, R19E	MD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Well:	FD 16-22-6-19	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
111.0	0.35	174.87	111.0	0.3	-0.3	0.0	0.32	0.32	0.00	0.00
205.0	0.35	164.32	205.0	0.9	-0.9	0.1	0.07	0.00	-11.22	
299.0	0.40	152.06	299.0	1.5	-1.5	0.4	0.10	0.05	-13.04	
388.0	0.48	162.12	388.0	2.2	-2.1	0.6	0.12	0.09	11.30	
449.0	0.44	169.11	449.0	2.7	-2.6	0.7	0.11	-0.07	11.46	
540.0	0.59	179.75	540.0	3.5	-3.4	0.8	0.19	0.16	11.69	
631.0	0.44	172.98	631.0	4.3	-4.2	0.9	0.18	-0.16	-7.44	
722.0	0.44	165.90	722.0	4.9	-4.9	1.0	0.06	0.00	-7.78	
813.0	0.44	173.99	813.0	5.6	-5.6	1.1	0.07	0.00	8.89	
886.0	0.53	180.01	886.0	6.2	-6.2	1.1	0.14	0.12	8.25	
971.0	0.57	179.79	971.0	7.0	-7.0	1.1	0.05	0.05	-0.26	
1,057.0	0.57	176.89	1,057.0	7.8	-7.9	1.2	0.03	0.00	-3.37	
1,142.0	0.57	175.04	1,142.0	8.7	-8.7	1.2	0.02	0.00	-2.18	
1,211.0	0.62	272.55	1,211.0	8.9	-9.0	0.9	1.30	0.07	141.32	
1,296.0	0.80	163.04	1,296.0	9.3	-9.6	0.6	1.37	0.21	-128.84	
1,382.0	0.80	182.03	1,381.9	10.5	-10.7	0.7	0.31	0.00	22.08	
1,469.0	1.10	178.02	1,468.9	11.8	-12.2	0.8	0.35	0.34	-4.61	
1,558.0	0.62	198.25	1,557.9	13.0	-13.5	0.6	0.63	-0.54	22.73	
1,639.0	0.49	289.73	1,638.9	13.2	-13.8	0.2	0.99	-0.16	112.94	
1,725.0	0.62	295.42	1,724.9	12.6	-13.5	-0.6	0.16	0.15	6.62	
1,810.0	0.80	300.62	1,809.9	11.9	-13.0	-1.5	0.22	0.21	6.12	
1,897.0	1.10	288.32	1,896.9	10.9	-12.4	-2.8	0.42	0.34	-14.14	
1,983.0	0.80	281.62	1,982.9	10.1	-12.0	-4.2	0.37	-0.35	-7.79	
2,068.0	0.71	284.71	2,067.9	9.6	-11.8	-5.3	0.12	-0.11	3.64	
2,155.0	0.80	285.55	2,154.9	8.9	-11.5	-6.4	0.10	0.10	0.97	
2,240.0	0.62	278.94	2,239.9	8.4	-11.2	-7.4	0.23	-0.21	-7.78	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 16-22-6-19
Project:	Fort Duchesne	TVD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Site:	SECTION 22 T6S, R19E	MD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Well:	FD 16-22-6-19	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,326.0	0.71	294.71	2,325.9	7.8	-10.9	-8.4	0.24	0.10	18.34
2,412.0	0.80	270.12	2,411.9	7.3	-10.7	-9.5	0.39	0.10	-28.59
2,498.0	0.80	258.71	2,497.8	7.0	-10.8	-10.6	0.18	0.00	-13.27
2,583.0	0.88	264.53	2,582.8	6.8	-11.0	-11.9	0.14	0.09	6.85
2,668.0	0.62	243.72	2,667.8	6.8	-11.3	-12.9	0.44	-0.31	-24.48
2,755.0	1.02	248.84	2,754.8	6.9	-11.8	-14.1	0.47	0.46	5.89
2,843.0	0.80	257.52	2,842.8	6.9	-12.2	-15.4	0.29	-0.25	9.86
2,930.0	0.71	258.71	2,929.8	6.7	-12.4	-16.5	0.11	-0.10	1.37
3,020.0	1.59	308.81	3,019.8	5.6	-11.7	-18.1	1.40	0.98	55.67
3,105.0	2.21	352.84	3,104.7	3.0	-9.4	-19.2	1.81	0.73	51.80
3,190.0	1.81	346.85	3,189.7	0.1	-6.4	-19.7	0.53	-0.47	-7.05
3,275.0	2.12	353.23	3,274.6	-2.8	-3.6	-20.2	0.45	0.36	7.51
3,361.0	1.90	345.35	3,360.6	-5.8	-0.6	-20.7	0.41	-0.26	-9.16
3,446.0	2.12	340.72	3,445.5	-8.8	2.2	-21.6	0.32	0.26	-5.45
3,532.0	2.61	336.14	3,531.5	-12.3	5.5	-22.9	0.61	0.57	-5.33
3,618.0	2.52	348.65	3,617.4	-16.1	9.2	-24.1	0.66	-0.10	14.55
3,703.0	1.81	348.52	3,702.3	-19.3	12.3	-24.7	0.84	-0.84	-0.15
3,789.0	1.59	352.75	3,788.3	-21.8	14.8	-25.1	0.29	-0.26	4.92
3,876.0	1.59	340.41	3,875.2	-24.2	17.2	-25.7	0.39	0.00	-14.18
3,962.0	1.28	351.12	3,961.2	-26.4	19.2	-26.2	0.48	-0.36	12.45
4,047.0	1.10	358.04	4,046.2	-28.1	21.0	-26.4	0.27	-0.21	8.14
4,137.0	0.80	358.61	4,136.2	-29.5	22.5	-26.5	0.33	-0.33	0.63
4,224.0	0.80	349.14	4,223.2	-30.7	23.7	-26.6	0.15	0.00	-10.89
4,311.0	0.62	344.11	4,310.2	-31.8	24.7	-26.8	0.22	-0.21	-5.78
4,397.0	0.40	324.33	4,396.2	-32.5	25.4	-27.1	0.32	-0.26	-23.00
4,482.0	0.31	306.21	4,481.2	-33.0	25.8	-27.5	0.17	-0.11	-21.32
4,570.0	0.09	12.55	4,569.2	-33.3	26.0	-27.7	0.33	-0.25	75.39



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 16-22-6-19
Project:	Fort Duchesne	TVD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Site:	SECTION 22 T6S, R19E	MD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Well:	FD 16-22-6-19	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)		
4,655.0	0.00	173.53	4,654.2	-33.3	26.1	-27.7	0.11	-0.11	0.00		
4,741.0	0.31	112.71	4,740.2	-33.2	26.0	-27.4	0.36	0.36	0.00		
4,827.0	0.40	109.72	4,826.2	-32.8	25.8	-27.0	0.11	0.10	-3.48		
4,913.0	0.49	154.84	4,912.2	-32.3	25.4	-26.5	0.41	0.10	52.47		
4,998.0	0.49	149.42	4,997.2	-31.6	24.7	-26.2	0.05	0.00	-6.38		
5,084.0	0.71	150.44	5,083.2	-30.7	23.9	-25.7	0.26	0.26	1.19		
5,169.0	0.88	154.14	5,168.1	-29.5	22.9	-25.2	0.21	0.20	4.35		
5,255.0	0.88	159.91	5,254.1	-28.2	21.7	-24.7	0.10	0.00	6.71		
5,341.0	0.80	137.83	5,340.1	-27.0	20.6	-24.0	0.39	-0.09	-25.67		
5,426.0	0.88	143.74	5,425.1	-25.8	19.6	-23.2	0.14	0.09	6.95		
5,499.0	0.80	139.82	5,498.1	-24.8	18.8	-22.6	0.13	-0.11	-5.37		
5,584.0	1.28	145.02	5,583.1	-23.4	17.6	-21.7	0.57	0.56	6.12		
5,671.0	1.28	158.63	5,670.1	-21.5	15.9	-20.8	0.35	0.00	15.64		
5,756.0	1.10	179.21	5,755.1	-19.8	14.2	-20.4	0.54	-0.21	24.21		
5,842.0	0.88	149.42	5,841.0	-18.3	12.8	-20.0	0.64	-0.26	-34.64		
5,928.0	1.41	165.33	5,927.0	-16.6	11.2	-19.4	0.71	0.62	18.50		
6,014.0	1.28	145.72	6,013.0	-14.6	9.4	-18.6	0.55	-0.15	-22.80		
6,100.0	1.59	176.21	6,099.0	-12.6	7.4	-18.0	0.94	0.36	35.45		
6,187.0	2.12	172.12	6,185.9	-9.8	4.6	-17.7	0.63	0.61	-4.70		
6,273.0	1.50	167.23	6,271.9	-7.1	1.9	-17.2	0.74	-0.72	-5.69		
6,358.0	1.59	173.44	6,356.9	-4.9	-0.3	-16.9	0.22	0.11	7.31		
6,492.0	1.50	172.82	6,490.8	-1.3	-3.9	-16.4	0.07	-0.07	-0.46		
6,534.0	1.28	156.03	6,532.8	-0.3	-4.9	-16.2	1.10	-0.52	-39.98		
6,620.0	1.28	151.14	6,618.8	1.6	-6.6	-15.3	0.13	0.00	-5.69		
6,706.0	1.28	156.91	6,704.8	3.5	-8.3	-14.5	0.15	0.00	6.71		
6,791.0	1.19	142.72	6,789.7	5.3	-9.9	-13.6	0.37	-0.11	-16.69		
6,882.0	1.41	142.42	6,880.7	7.2	-11.6	-12.3	0.24	0.24	-0.33		



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 16-22-6-19
Project:	Fort Duchesne	TVD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Site:	SECTION 22 T6S, R19E	MD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Well:	FD 16-22-6-19	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)
6,970.0	1.41	139.64	6,968.7	9.2	-13.2	-11.0	0.08	0.00	-3.16
7,057.0	1.41	155.81	7,055.7	11.3	-15.0	-9.8	0.46	0.00	18.59
7,145.0	1.50	150.04	7,143.6	13.5	-17.0	-8.8	0.20	0.10	-6.56
7,231.0	1.41	149.73	7,229.6	15.6	-18.9	-7.7	0.11	-0.10	-0.36
7,319.0	1.28	158.32	7,317.6	17.7	-20.8	-6.8	0.27	-0.15	9.76
7,404.0	1.28	154.84	7,402.6	19.6	-22.5	-6.0	0.09	0.00	-4.09
7,489.0	1.28	149.42	7,487.5	21.4	-24.2	-5.2	0.14	0.00	-6.38
7,577.0	1.10	150.83	7,575.5	23.2	-25.8	-4.2	0.21	-0.20	1.60
7,663.0	1.19	146.65	7,661.5	24.9	-27.2	-3.4	0.14	0.10	-4.86
7,748.0	1.28	140.92	7,746.5	26.6	-28.7	-2.3	0.18	0.11	-6.74
7,834.0	1.19	142.15	7,832.5	28.4	-30.2	-1.1	0.11	-0.10	1.43
7,919.0	1.19	144.13	7,917.4	30.0	-31.6	-0.1	0.05	0.00	2.33
8,007.0	1.10	136.82	8,005.4	31.7	-32.9	1.1	0.19	-0.10	-8.31
8,092.0	1.28	139.73	8,090.4	33.3	-34.2	2.2	0.22	0.21	3.42
8,179.0	1.41	143.91	8,177.4	35.2	-35.9	3.5	0.19	0.15	4.80
8,264.0	1.41	138.93	8,262.4	37.1	-37.5	4.8	0.14	0.00	-5.86
8,350.0	1.41	135.94	8,348.3	39.1	-39.0	6.2	0.09	0.00	-3.48
8,435.0	1.28	140.21	8,433.3	40.9	-40.5	7.6	0.19	-0.15	5.02
8,521.0	1.28	142.02	8,519.3	42.7	-42.0	8.8	0.05	0.00	2.10
8,606.0	1.28	139.55	8,604.3	44.4	-43.5	10.0	0.06	0.00	-2.91
8,692.0	1.19	133.51	8,690.2	46.1	-44.8	11.2	0.18	-0.10	-7.02
8,777.0	1.19	133.34	8,775.2	47.7	-46.0	12.5	0.00	0.00	-0.20
8,863.0	1.19	142.94	8,861.2	49.3	-47.4	13.7	0.23	0.00	11.16
8,951.0	1.10	143.21	8,949.2	51.0	-48.8	14.8	0.10	-0.10	0.31
9,040.0	1.02	151.54	9,038.2	52.5	-50.2	15.6	0.19	-0.09	9.36
9,130.0	1.02	149.82	9,128.2	54.1	-51.6	16.4	0.03	0.00	-1.91
9,185.0	1.02	149.82	9,183.2	55.1	-52.4	16.9	0.00	0.00	0.00



Payzone Directional
End of Well Report



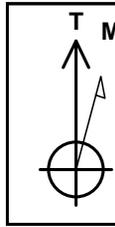
Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 16-22-6-19
Project:	Fort Duchesne	TVD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Site:	SECTION 22 T6S, R19E	MD Reference:	FD 16-22-6-19 @ 5141.0usft (CAPSTAR 330)
Well:	FD 16-22-6-19	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 57105 API Well Number: 43047537190000

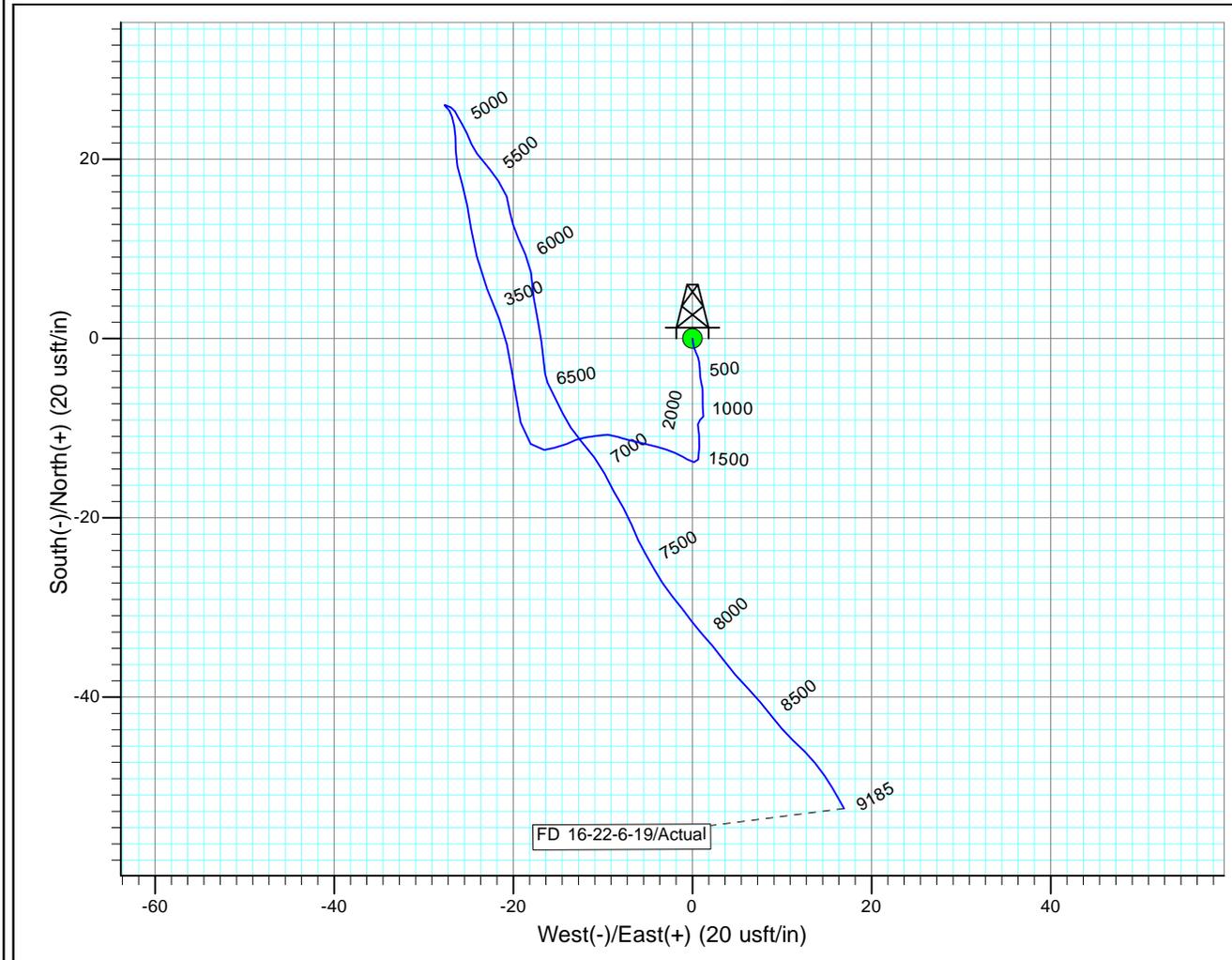
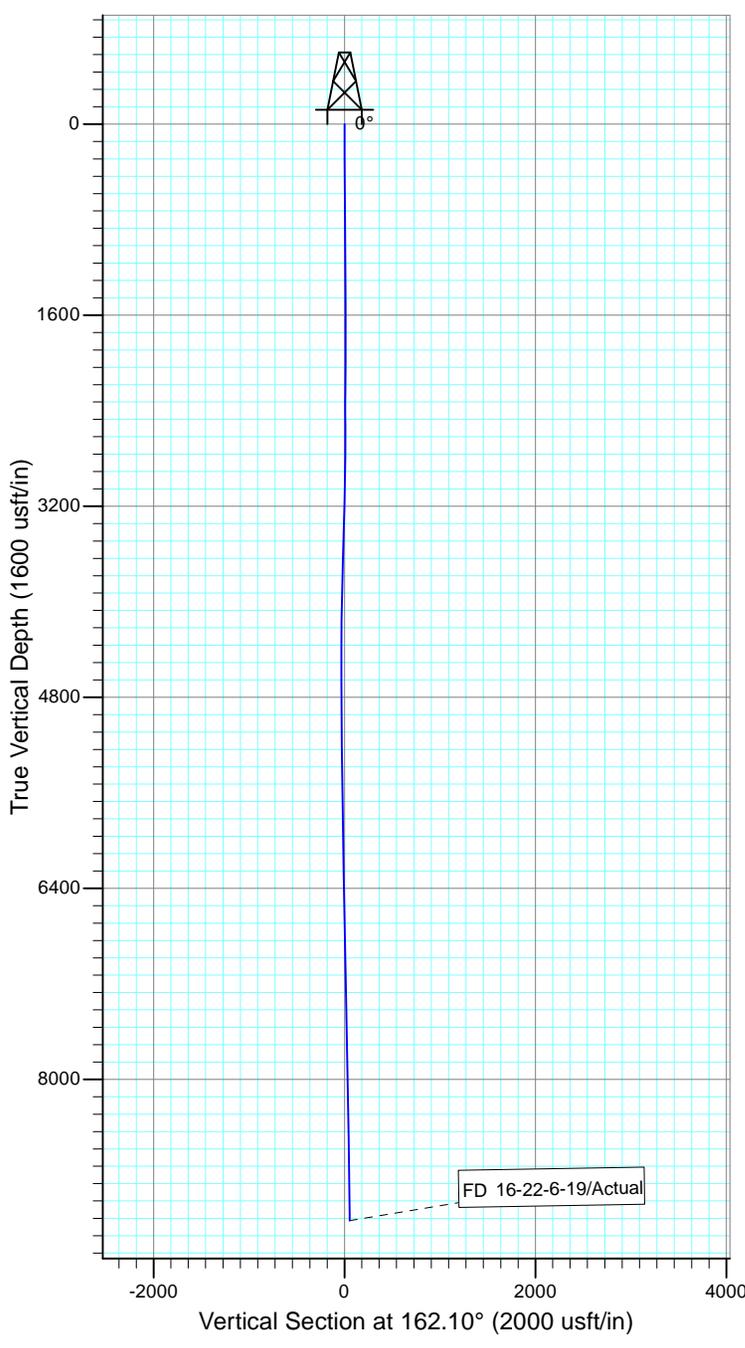


Project: Fort Duchesne
Site: SECTION 22 T6S, R19E
Well: FD 16-22-6-19
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.82°

Magnetic Field
Strength: 52131.4snT
Dip Angle: 65.96°
Date: 8/2/2014
Model: IGRF2010



Design: Actual (FD 16-22-6-19/Wellbore #1)

Created By: *Matthew Linton* Date: 9:48, September 01 20

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: UTU85589	
		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 Federal 16-22-6-19	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43047537190000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0800 FSL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 22 Township: 06.0S Range: 19.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> 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 RECLAMATION COM"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/2/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
INTERIM RECLAMATION WAS COMPLETED ON 1/2/2015 AND THE PIT WAS CLOSED ON 12/23/2014.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 09, 2015			
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A	DATE 1/6/2015		