API Well Number: 43007502300000

**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**
Prickly Pear UF 16A-7D-12-15

**2. TYPE OF WORK**
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

**3. FIELD OR WILDCAT**
UNDESIGNATED

**4. TYPE OF WELL**
Gas Well Coalbed Methane Well: NO

**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
PRICKLY PEAR

**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)**
UTU73006

**11. MINERAL OWNERSHIP**
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

**12. SURFACE OWNERSHIP**
FEDERAL ◉ INDIAN ○ STATE ○ FEE ○

**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 ○ (Submit Commingling Application) NO ◉

**19. SLANT**
VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 1033 FSL 1046 FEL | SESE | 7 | 12.0 S | 15.0 E | S |
| Top of Uppermost Producing Zone | 1318 FSL 531 FEL | SESE | 7 | 12.0 S | 15.0 E | S |
| At Total Depth | 1318 FSL 531 FEL | SESE | 7 | 12.0 S | 15.0 E | S |

**21. COUNTY**
CARBON

**22. DISTANCE TO NEAREST LEASE LINE (Feet)**
1318

**23. NUMBER OF ACRES IN DRILLING UNIT**
20

**25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)**
645

**26. PROPOSED DEPTH**
MD: 7795 TVD: 7744

**27. ELEVATION - GROUND LEVEL**
7461

**28. BOND NUMBER**
WYB000040

**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**
NINE MILE CANYON

### Hole, Casing, and Cement Information

| String | Hole Size | Casing Size | Length | Weight | Grade & Thread | Max Mud Wt. | Cement | Sacks | Yield | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| Cond | 24 | 14 | 0 - 40 | 0.0 | Unknown | 0.0 | No Used | 0 | 0.0 | 0.0 |
| Surf | 12.25 | 9.625 | 0 - 1000 | 36.0 | J-55 ST&C | 0.0 | No Used | 0 | 0.0 | 0.0 |
| Prod | 8.25 | 4.5 | 0 - 7795 | 11.6 | P-110 LT&C | 0.0 | No Used | 0 | 0.0 | 0.0 |

### ATTACHMENTS

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

- ✔ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER**
- ✔ **COMPLETE DRILLING PLAN**
- ☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)**
- ☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER**
- ✔ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)**
- ✔ **TOPOGRAPHICAL MAP**

**NAME** Brady Riley **TITLE** Permit Analyst **PHONE** 303 312-8115

**SIGNATURE** **DATE** 08/17/2011 **EMAIL** briley@billbarrettcorp.com

**API NUMBER ASSIGNED**
43007502300000

**APPROVAL**
Permit Manager

**RECEIVED: August 24, 2011**

# DRILLING PROGRAM

BILL BARRETT CORPORATION
**Prickly Pear Unit Federal 16A-7D-12-15**
SESE, 1033' FSL, 1046' FEL, Sec. 7, T12S-R15E (surface hole)
SESE, 1318' FSL, 531' FEL, Sec. 7, T12S-R15E (bottom hole)
Carbon County, Utah

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

| Formation | Depth – MD | Depth – TVD |
|---|---|---|
| Green River | Surface | Surface |
| Wasatch | 2882'* | 2859'* |
| North Horn | 4870'* | 4819'* |
| Dark Canyon | 6690'* | 6639'* |
| Price River | 6990'* | 7274'* |
| TD | 7795' | 7744' |

**PROSPECTIVE PAY:** *Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas. Any shallow water zones encountered will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

## 3. BOP and Pressure Containment Data

| Depth Intervals | BOP Equipment |
|---|---|
| 0 – 1000' | No pressure control required |
| 1000' – TD | 11" 3000# Ram Type BOP<br>11" 3000# Annular BOP |
| - Drilling spool to accommodate choke and kill lines; | |
| - Ancillary equipment and choke manifold rated at 3,000#. 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. | |

RECEIVED: August 17, 2011

Bill Barrett Corporation
Drilling Program
Prickly Pear Unit Federal 16A-7D-12-15
Carbon County, Utah

## 4. Casing Program

| Hole Size | Setting Depth From | Setting Depth To | Casing Size | Casing Weight | Casing Grade | Thread | Condition |
|---|---|---|---|---|---|---|---|
| 24” | Surface | 40’ | 14” | 65# | | | |
| 12 ¼” | Surface | 1000’ | 9 5/8” | 36# | J or K 55 | ST&C | New |
| 8 ¾” and<br>7 7/8” | Surface | TD’ | 5 ½”<br>4 ½” | 17.0#<br>11.6# | I-100<br>N -80 | LT&C<br>LT&C | New<br>New |

Note: BBC will use one of the options of production casing size noted above. Casing grade for each option could be I-100, P-110 or I-80. In addition, the 7 7/8” hole size will begin at the point the bit is changed.

## 5. Cementing Program

| | |
|---|---|
| 14” Conductor Casing | Grout cement |
| 9 5/8” Surface Casing | *Lead* with approximately 170 sx Varicem cement + additives mixed at 12.0 ppg (yield = 2.53 $ft^3$/sx).<br><br>*Tail* with approximately and 190 sx Halcem cement with additives mixed at 15.8 ppg (yield = 1.16 $ft^3$/sx) circulated to surface with 100% excess. |
| 5 ½” Production Casing<br><br>**OR**<br><br>4 ½” Production Casing | *Lead* with approximately 310 sx (4 ½” csg) or 260 sx (5 ½” csg) of Halliburton Light Premium cement with additives mixed at 12.5 ppg (yield = 1.96 $ft^3$/sx).<br><br>*Tail* with approximately 1290 sx (4 ½” csg) or 1070 sx (5 ½” csg) of 50/50 Poz cement + additives mixed at 13.4 ppg (yield = 1.45 $ft^3$/sk), circulated to ~800’ with 15% excess. |

Note: Actual volumes to be calculated from caliper log.

## 6. Mud Program

| Interval | Weight | Viscosity | Fluid Loss (API filtrate) | Remarks |
|---|---|---|---|---|
| 0 – 40’ | 8.3 – 8.6 | 27 – 40 | -- | Native Spud Mud |
| 40’ – 1000’ | 8.3 – 8.6 | 27 – 40 | 15 cc or less | Native/Gel/Lime |
| 1000’ – TD | 8.6 – 9.5 | 38 – 46 | 15 cc or less | LSND/DAP |

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; |
| Sampling | 30’ to 50’ samples; surface casing to TD. Preserve samples all show intervals; |
| Surveys | Run every 1000’ and on trips, slope only; |
| Logging | DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface. |



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**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3826 psi* and maximum anticipated surface pressure equals approximately 2122 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**

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. Drilling Schedule**

| | |
|---|---|
| Location Construction: | existing |
| Spud: | 3/1/12 |
| Duration: | 10 days drilling time |
| | 15 days completion time |



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**Other -Onshore Variances Requested**

Use of EFM and Flow Conditioner (Onshore Order No. 5)
Use of an electronic flow meter (EFM) for gas measurement purposes is requested with this application.

Use of a flow conditioner is also being requested (versus straightening vanes). Flow conditioners have been proven to be as or more effective than straightening vanes in conditioning gas for measurement. In addition to their superior conditioning properties, they take up less space (shorter meter runs/smaller footprint), and are less prone to corrosion and dislodging (greater reliability). In the past BBC has experienced straightening vanes becoming dislodged in normal service and compromising their conditioning effectiveness.

Make/Model: CPA 50E
Dimensions: 2" or 3" Flanged conditioners - 16" minimum up to 3 1/2' long x 2" (ID 2.067) OR 24" minimum up to 3 1/2' long x 3" (ID 3.068)

Air Drilling (Onshore Order No. 2)
Air drilling operations will be conducted with the purpose of drilling and setting surface casing with a truck mounted air rig, for all Federal wells located at this pad. Surface casing is approximately 1000'. Bill Barrett Corporation will comply with the following surface air drilling operation requirements:

1. Properly lubricated and maintained diverter system in place of a rotating head. The diverter system forces air and cutting returns to the cuttings pit and is used solely to drill the surface hole. In addition, BBC will use a properly lubricated and maintained rotating head in compliance with OOG No. 2.
2. The Blooie line will discharge at least 100 feet from the wellbore and will be securely anchored.
3. An automatic igniter or continuous pilot light will be installed at the end of the blooie line.
4. Compressors that supply energy to drill the air filled surface hole will be located 100' away from the wellbore and on the opposite side of the blooie line. The compressors will be equipped with 1) emergency kill switch, 2) pressure relief valves 3) spark arresters on the motors.

RECEIVED: August 17, 2011

API Well Number: 43007502300000

| | |
|---|---|
| Well name: | **West Tavaputs** |
| Operator: | **BBC** |
| String type: | Production |
| Location: | Utah |

**Design parameters:**

**Collapse**

Mud weight: 8.900 ppg

Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,818 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 3,468 psi

Annular backup: 9.50 ppg

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 6,502 ft

**Environment:**

H2S considered? No

Surface temperature: 60 °F

Bottom hole temperature: 165 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity ($ft^3$) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7500 | 4.5 | 11.60 | P-110 | LT&C | 7500 | 7500 | 3.875 | 173.9 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3468 | 7580 | 2.186 | 1818 | 10690 | 5.88 | 75 | 279 | 3.70 J |

Bill Barrett

Date: March 31,2011
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 7500 ft, a mud weight of 8.9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# Bill Barrett Corporation

## NINE MILE CEMENT VOLUMES

**Well Name:** Prickly Pear Unit Federal 16A-7D-12-15

**Surface Hole Data:**

| | |
|---|---|
| Total Depth: | 1,000' |
| Top of Cement: | 0' |
| OD of Hole: | 12.250" |
| OD of Casing: | 9.625" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | 203.6 | $ft^3$ |
| Lead Fill: | 650' | |
| Tail Volume: | 109.6 | $ft^3$ |
| Tail Fill: | 350' | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 2.53 | $ft^3/sk$ |
| Tail Yield: | 1.16 | $ft^3/sk$ |
| % Excess: | 100% | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | 170 |
| # SK's Tail: | 190 |

**Production Hole Data:**

| | |
|---|---|
| Total Depth: | 7,795' |
| Top of Cement: | 800' |
| OD of Hole: | 8.750" |
| OD of Casing: | 5.500" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | 429.4 | $ft^3$ |
| Lead Fill: | 1,700' | |
| Tail Volume: | 1337.5 | $ft^3$ |
| Tail Fill: | 5,295' | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 1.96 | $ft^3/sk$ |
| Tail Yield: | 1.45 | $ft^3/sk$ |
| % Excess: | 15% | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | 260 |
| # SK's Tail: | 1070 |

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# Prickly Pear Unit Federal 16A-7D-12-15 Proposed Cementing Program

**Job Recommendation** — **Surface Casing**

**Lead Cement - (650' - 0')**

| | | | |
|---|---|---|---|
| Varicem ™ Cement | Fluid Weight: | 12 | lbm/gal |
| 0.25 lbm/sk Poly-E-Flake | Slurry Yield: | 2.53 | $ft^3/sk$ |
| | Total Mixing Fluid: | 14.82 | Gal/sk |
| | Top of Fluid: | 0' | |
| | Calculated Fill: | 650' | |
| | Volume: | 36.25 | bbl |
| | **Proposed Sacks:** | **170** | **sks** |

**Tail Cement - (1000' - 650')**

| | | | |
|---|---|---|---|
| Halcem ™ System | Fluid Weight: | 15.8 | lbm/gal |
| 2.0% Calcium Chloride | Slurry Yield: | 1.16 | $ft^3/sk$ |
| | Total Mixing Fluid: | 4.98 | Gal/sk |
| | Top of Fluid: | 650' | |
| | Calculated Fill: | 350' | |
| | Volume: | 19.52 | bbl |
| | **Proposed Sacks:** | **190** | **sks** |

**Job Recommendation** — **Production Casing**

**Lead Cement - (800' - 2500')**

| | | | |
|---|---|---|---|
| Halliburton Light Premium | Fluid Weight: | 12.5 | lbm/gal |
| 0.3% Versaset | Slurry Yield: | 1.96 | $ft^3/sk$ |
| 0.3% Super CBL | Total Mixing Fluid: | 10.48 | Gal/sk |
| 0.125 lbm/sk Poly-E-Flake | Top of Fluid: | 800' | |
| 0.25% Fe-2 | Calculated Fill: | 1,700' | |
| 0.2% Econolite | Volume: | 76.48 | bbl |
| | **Proposed Sacks:** | **260** | **sks** |

**Tail Cement - (2500' - 7795')**

| | | | |
|---|---|---|---|
| 50/50 Poz Premium | Fluid Weight: | 13.4 | lbm/gal |
| 3.0 % KCL | Slurry Yield: | 1.45 | $ft^3/sk$ |
| 0.75% Halad®-322 | Total Mixing Fluid: | 6.82 | Gal/sk |
| 0.2% FWCA | Top of Fluid: | 2,500' | |
| 0.3% Super CBL | Calculated Fill: | 5,295' | |
| 0.125 lbm/sk Poly-E-Flake | Volume: | 238.20 | bbl |
| 1.0 lbm/sk Granulite TR 1/4 | **Proposed Sacks:** | **1070** | **sks** |

RECEIVED: August 17, 2011

Bill Barrett Corporation

# NINE MILE CEMENT VOLUMES

**Well Name:** Prickly Pear Unit Federal 16A-7D-12-15

**Surface Hole Data:**

| | |
|---|---|
| Total Depth: | 1,000' |
| Top of Cement: | 0' |
| OD of Hole: | 12.250" |
| OD of Casing: | 9.625" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | 203.6 | $ft^3$ |
| Lead Fill: | 650' | |
| Tail Volume: | 109.6 | $ft^3$ |
| Tail Fill: | 350' | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 2.53 | $ft^3/sk$ |
| Tail Yield: | 1.16 | $ft^3/sk$ |
| % Excess: | 100% | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | 170 |
| # SK's Tail: | 190 |

**Production Hole Data:**

| | |
|---|---|
| Total Depth: | 7,795' |
| Top of Cement: | 800' |
| OD of Hole: | 8.750" |
| OD of Casing: | 4.500" |

**Calculated Data:**

| | | |
|---|---|---|
| Lead Volume: | 522.1 | $ft^3$ |
| Lead Fill: | 1,700' | |
| Tail Volume: | 1626.3 | $ft^3$ |
| Tail Fill: | 5,295' | |

**Cement Data:**

| | | |
|---|---|---|
| Lead Yield: | 1.96 | $ft^3/sk$ |
| Tail Yield: | 1.45 | $ft^3/sk$ |
| % Excess: | 15% | |

**Calculated # of Sacks:**

| | |
|---|---|
| # SK's Lead: | 310 |
| # SK's Tail: | 1290 |

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# Prickly Pear Unit Federal 16A-7D-12-15 Proposed Cementing Program

**Job Recommendation** — **Surface Casing**

**Lead Cement - (650' - 0')**

| | | | |
|---|---|---|---|
| Varicem ™ Cement | Fluid Weight: | 12 | lbm/gal |
| 0.25 lbm/sk Poly-E-Flake | Slurry Yield: | 2.53 | $ft^3/sk$ |
| | Total Mixing Fluid: | 14.82 | Gal/sk |
| | Top of Fluid: | 0' | |
| | Calculated Fill: | 650' | |
| | Volume: | 36.25 | bbl |
| | **Proposed Sacks:** | **170** | **sks** |

**Tail Cement - (1000' - 650')**

| | | | |
|---|---|---|---|
| Halcem ™ System | Fluid Weight: | 15.8 | lbm/gal |
| 2.0% Calcium Chloride | Slurry Yield: | 1.16 | $ft^3/sk$ |
| | Total Mixing Fluid: | 4.98 | Gal/sk |
| | Top of Fluid: | 650' | |
| | Calculated Fill: | 350' | |
| | Volume: | 19.52 | bbl |
| | **Proposed Sacks:** | **190** | **sks** |

**Job Recommendation** — **Production Casing**

**Lead Cement - (800' - 2500')**

| | | | |
|---|---|---|---|
| Halliburton Light Premium | Fluid Weight: | 12.5 | lbm/gal |
| 0.3% Versaset | Slurry Yield: | 1.96 | $ft^3/sk$ |
| 0.3% Super CBL | Total Mixing Fluid: | 10.48 | Gal/sk |
| 0.125 lbm/sk Poly-E-Flake | Top of Fluid: | 800' | |
| 0.25% Fe-2 | Calculated Fill: | 1,700' | |
| 0.2% Econolite | Volume: | 92.99 | bbl |
| | **Proposed Sacks:** | **310** | **sks** |

**Tail Cement - (2500' - 7795')**

| | | | |
|---|---|---|---|
| 50/50 Poz Premium | Fluid Weight: | 13.4 | lbm/gal |
| 3.0 % KCL | Slurry Yield: | 1.45 | $ft^3/sk$ |
| 0.75% Halad®-322 | Total Mixing Fluid: | 6.82 | Gal/sk |
| 0.2% FWCA | Top of Fluid: | 2,500' | |
| 0.3% Super CBL | Calculated Fill: | 5,295' | |
| 0.125 lbm/sk Poly-E-Flake | Volume: | 289.63 | bbl |
| 1.0 lbm/sk Granulite TR 1/4 | **Proposed Sacks:** | **1290** | **sks** |

RECEIVED: August 17, 2011

**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.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 3,000 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 yieldstrength 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 requirmentsof 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.

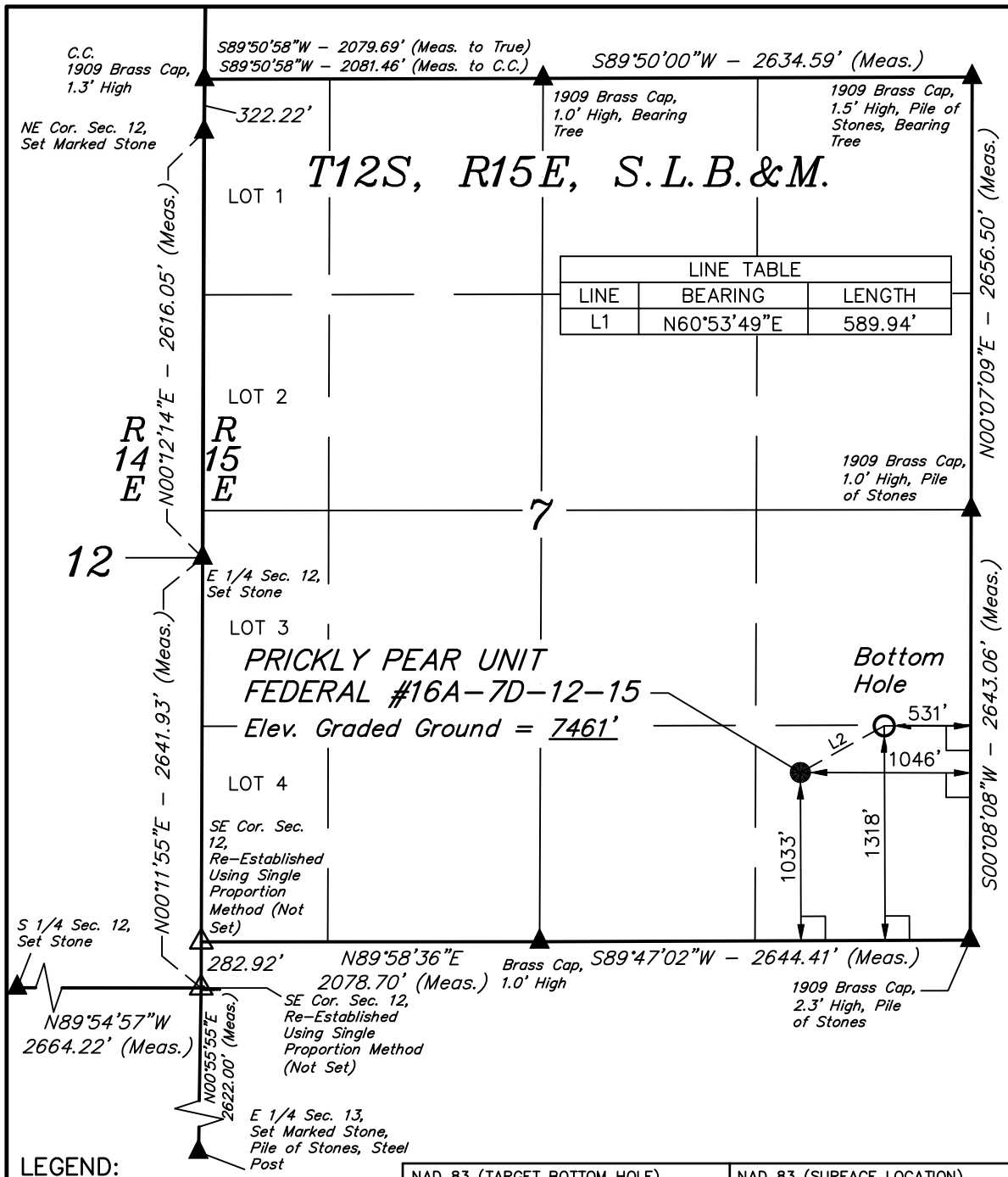
Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will 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 choke manifold will be located outside the rig sub-structure. 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.

API Well Number: 43007502300000




| LINE TABLE | | |
|---|---|---|
| LINE | BEARING | LENGTH |
| L1 | N60°53'49"E | 589.94' |

# BILL BARRETT CORPORATION

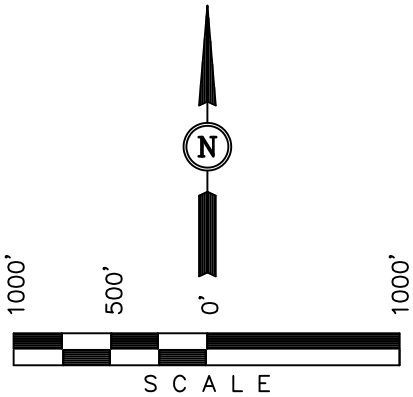
Well location, PRICKLY PEAR UNIT FEDERAL #16A–7D–12–15, located as shown in the SE 1/4 SE 1/4 of Section 7, T12S, R15E, S.L.B.&M., Carbon County, Utah.

## BASIS OF ELEVATION

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.

## BASIS OF BEARINGS

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




CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

06–15–11

REGISTERED LAND SURVEYOR NO. 161319 ROBERT L. KAY STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|---|---|
| LATITUDE = 39°47'04.54" (39.784594) | LATITUDE = 39°47'01.70" (39.783806) |
| LONGITUDE = 110°16'18.92" (110.271922) | LONGITUDE = 110°16'25.52" (110.273756) |
| NAD 27 (TARGET BOTTOM HOLE) | NAD 27 (SURFACE LOCATION) |
| LATITUDE = 39°47'04.67" (39.784631) | LATITUDE = 39°47'01.83" (39.783842) |
| LONGITUDE = 110°16'16.36" (110.271211) | LONGITUDE = 110°16'22.96" (110.273044) |
| STATE PLANE NAD 27 | STATE PLANE NAD 27 |
| N: 530971.80 E: 2345303.66 | N: 530677.36 E: 2344792.74 |

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

| | | |
|---|---|---|
| SCALE 1" = 1000' | DATE SURVEYED: 09–02–08 | DATE DRAWN: 06–08–11 |
| PARTY D.S. E.D. C.C. | REFERENCES G.L.O. PLAT | |
| WEATHER HOT | FILE BILL BARRETT CORPORATION | |

RECEIVED: August 17, 2011

# BILL BARRETT CORPORATION

## PRICKLY PEAR UNIT FEDERAL SE 7 PAD
## PRICKLY PEAR UNIT FEDERAL #15A-7D-12-15, #10A-7D-12-15, #9A-7D-12-15, #16A-7D-12-15, #2A-18D-12-15 & #1A-18D-12-15
## SECTION 7, T12S, R15E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 28.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE EXISTING LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE EXISTING WELL LOCATION IS APPROXIMATELY 44.7 MILES.

**RECEIVED: August 17, 2011**

# BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

*PRICKLY PEAR UNIT FEDERAL SE 7 PAD*

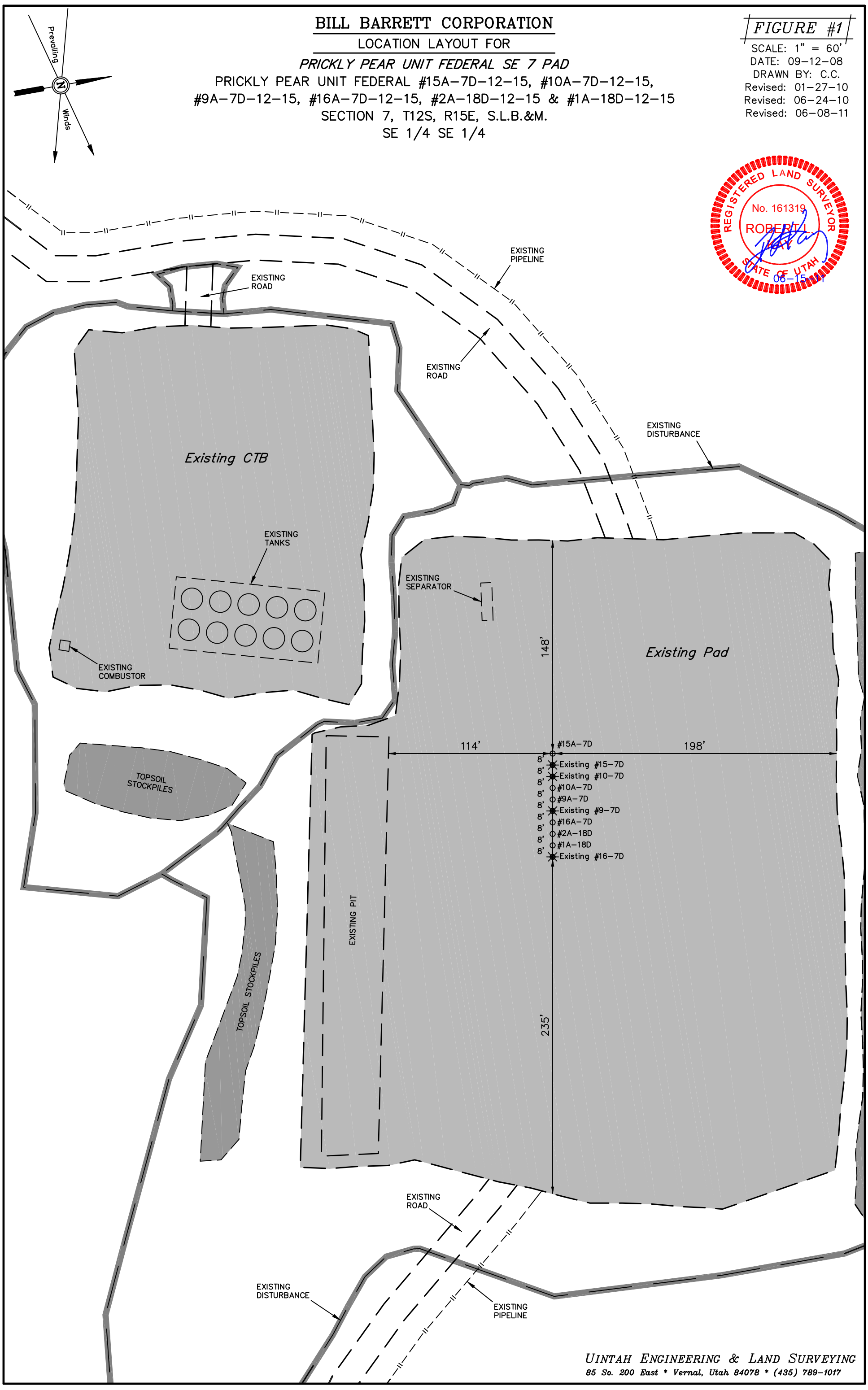
PRICKLY PEAR UNIT FEDERAL #15A–7D–12–15, #10A–7D–12–15, #9A–7D–12–15, #16A–7D–12–15, #2A–18D–12–15 & #1A–18D–12–15

SECTION 7, T12S, R15E, S.L.B.&M.

SE 1/4 SE 1/4

*FIGURE #1*

SCALE: 1" = 60'
DATE: 09–12–08
DRAWN BY: C.C.
Revised: 01–27–10
Revised: 06–24–10
Revised: 06–08–11

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RECEIVED: August 17, 2011

# BILL BARRETT CORPORATION

TYPICAL RIG LAYOUT FOR

*PRICKLY PEAR UNIT FEDERAL SE 7 PAD*

PRICKLY PEAR UNIT FEDERAL #15A–7D–12–15, #10A–7D–12–15, #9A–7D–12–15, #16A–7D–12–15, #2A–18D–12–15 & #1A–18D–12–15

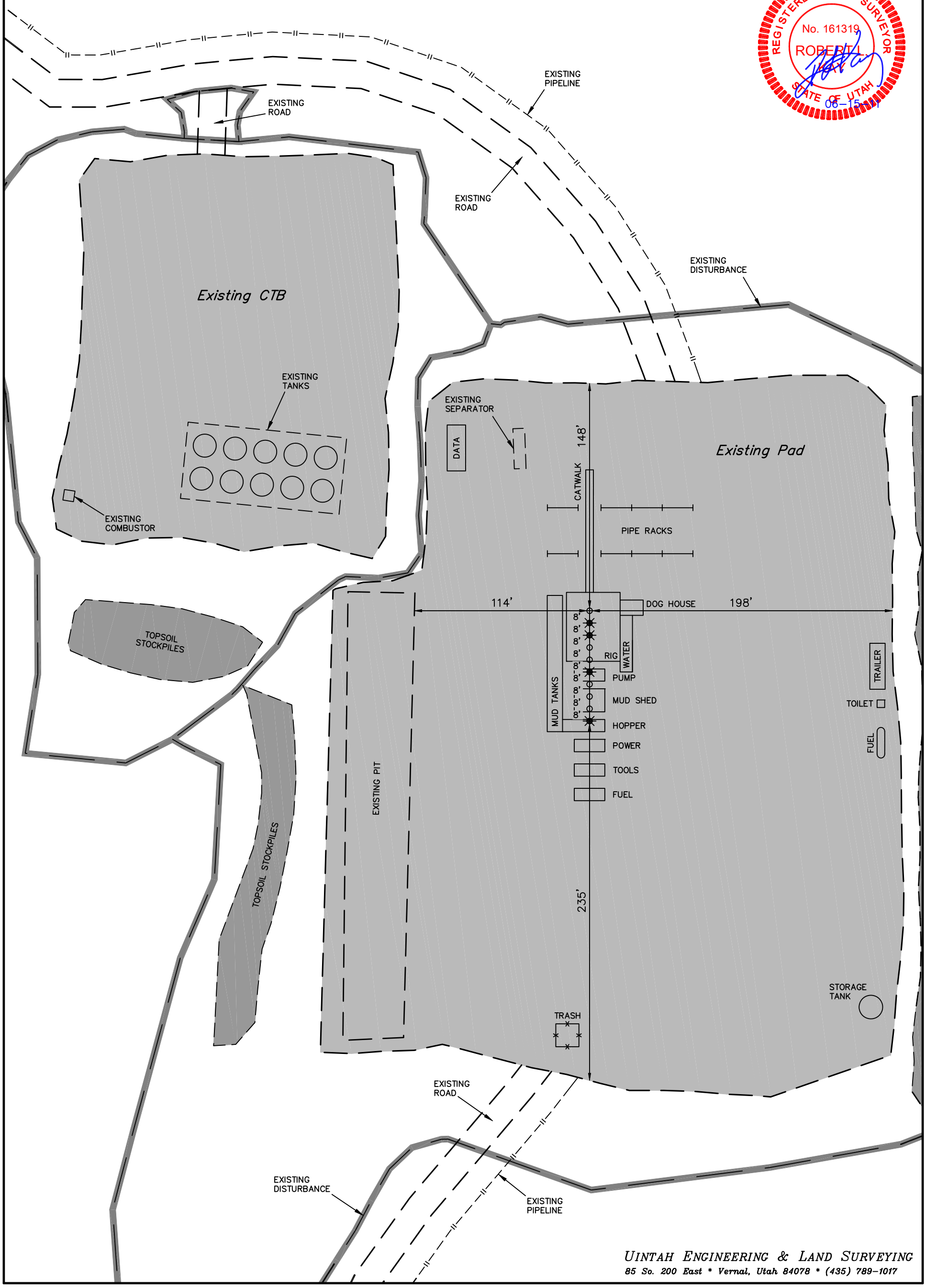
SECTION 7, T12S, R15E, S.L.B.&M.

SE 1/4 SE 1/4

*FIGURE #2*

SCALE: 1" = 60'
DATE: 09–12–08
DRAWN BY: C.C.
Revised: 01–27–10
Revised: 06–24–10
Revised: 06–08–11

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH 06–15–11

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RECEIVED: August 17, 2011

# BILL BARRETT CORPORATION

INTERIM RECLAMATION FOR

*PRICKLY PEAR UNIT FEDERAL SE 7 PAD*

PRICKLY PEAR UNIT FEDERAL #15A–7D–12–15, #10A–7D–12–15, #9A–7D–12–15, #16A–7D–12–15, #2A–18D–12–15 & #1A–18D–12–15

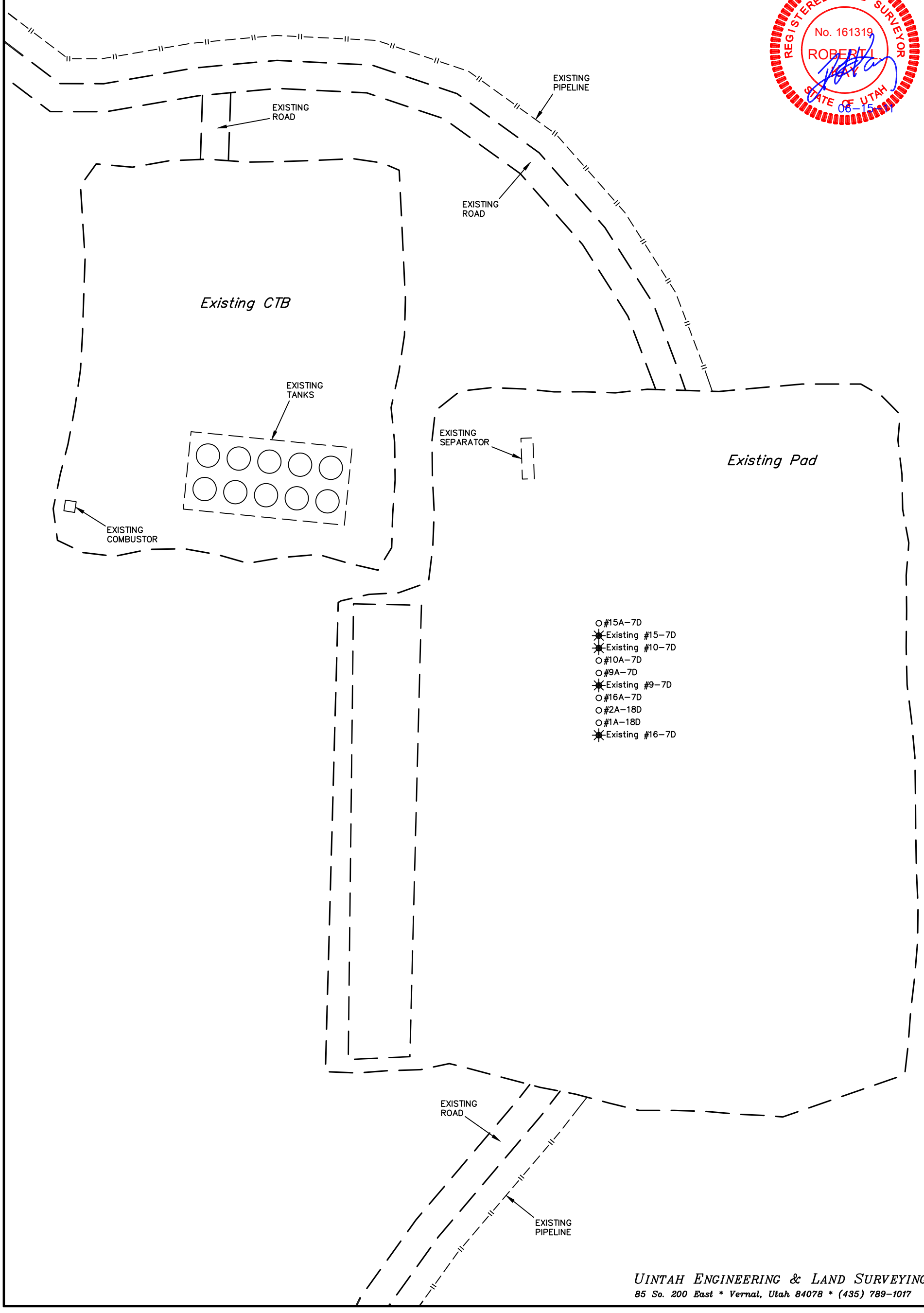
SECTION 7, T12S, R15E, S.L.B.&M.

SE 1/4 SE 1/4

*FIGURE #3*

SCALE: 1" = 60'
DATE: 07–16–10
DRAWN BY: C.C.
Revised: 06–08–11

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH 06–15–11

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RECEIVED: August 17, 2011

# BILL BARRETT CORPORATION

INTERFERENCE DIAGRAM FOR

*PRICKLY PEAR UNIT FEDERAL SE 7 PAD*

PRICKLY PEAR UNIT FEDERAL #15A–7D–12–15, #10A–7D–12–15, #9A–7D–12–15, #16A–7D–12–15, #2A–18D–12–15 & #1A–18D–12–15

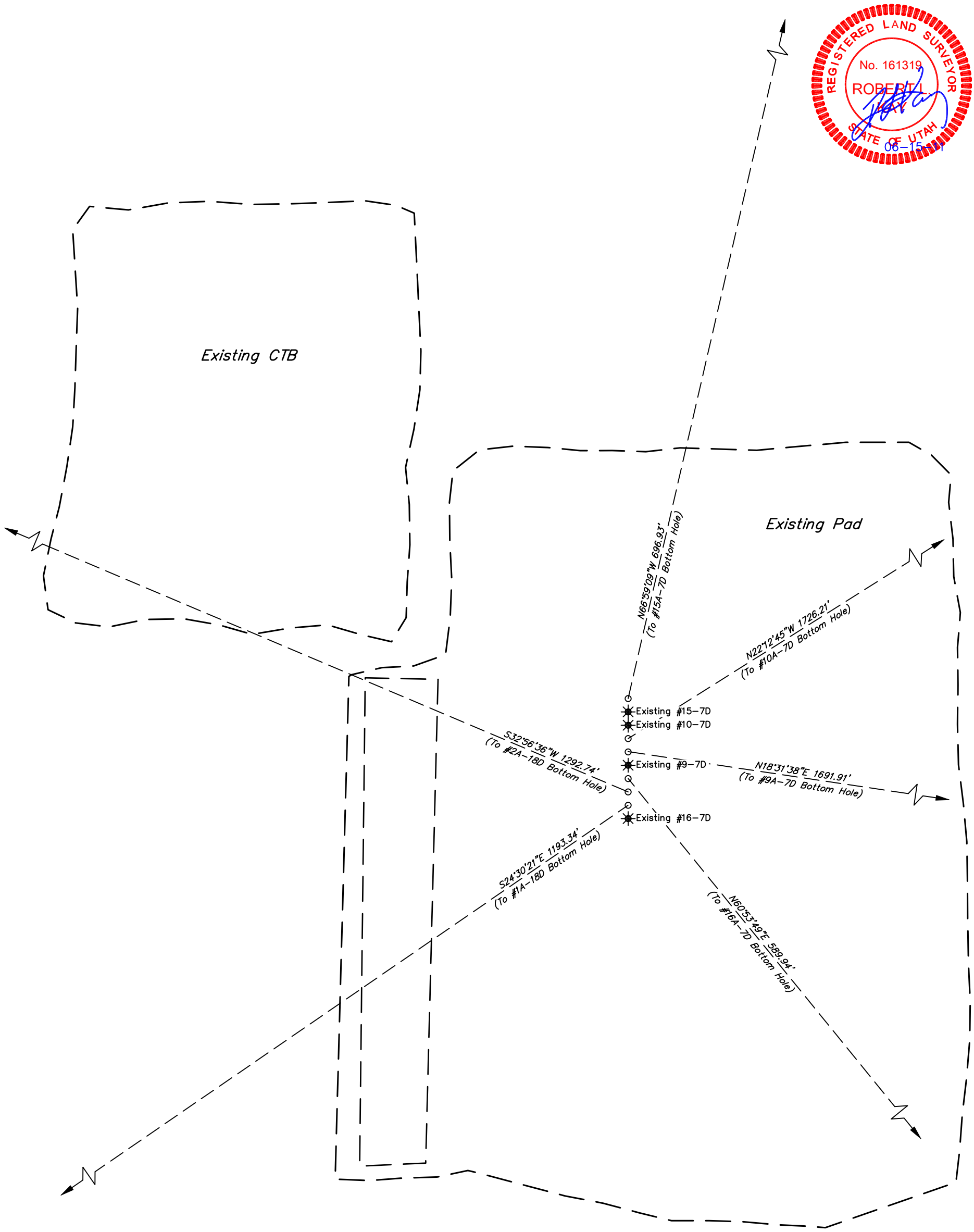
SECTION 7, T12S, R15E, S.L.B.&M.

SE 1/4 SE 1/4

*FIGURE #4*

SCALE: 1" = 60'
DATE: 06–24–10
DRAWN BY: C.C.
Revised: 06–08–11

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH 06–15–11

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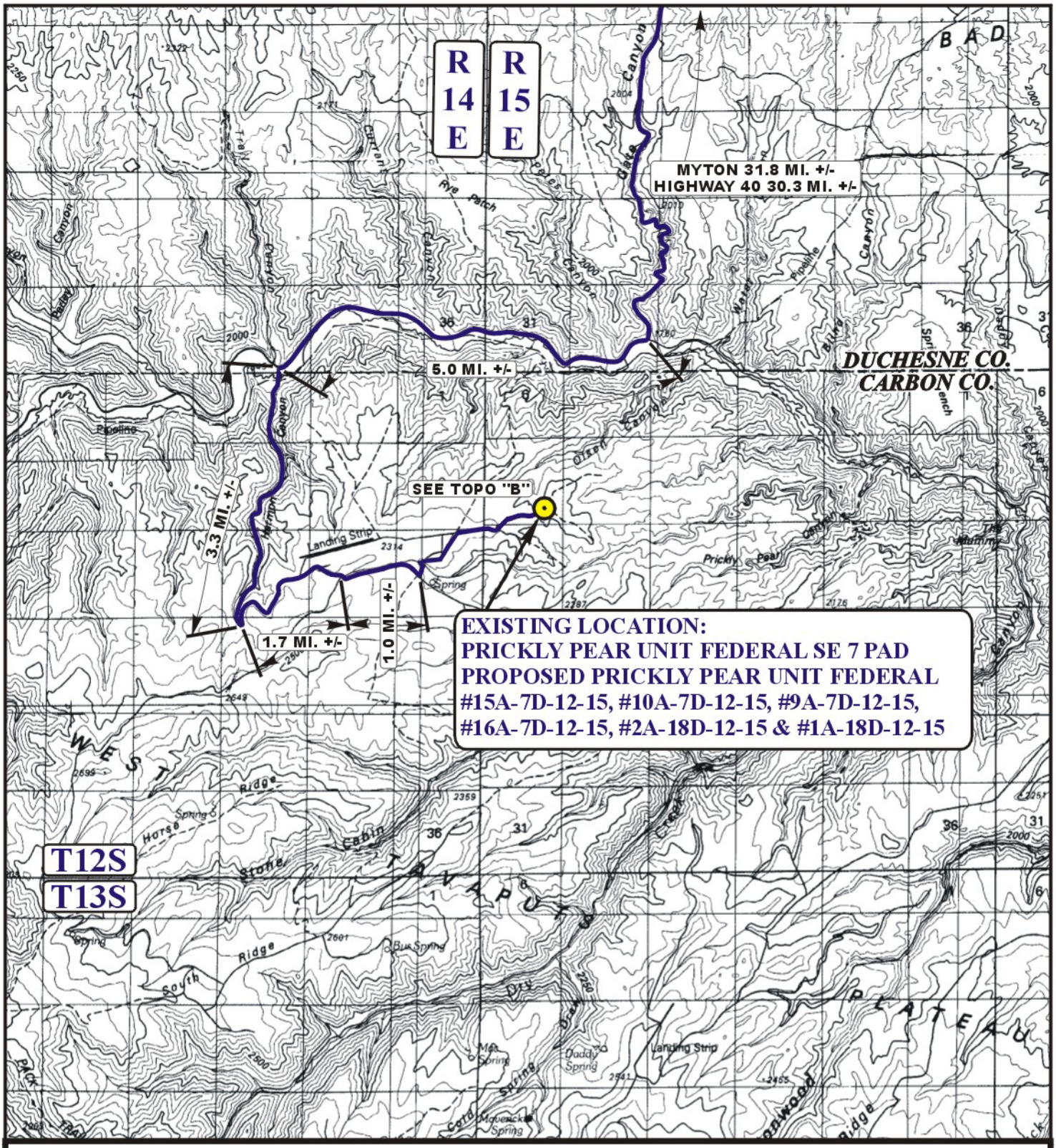
*85 So. 200 East * Vernal, Utah 84078 * (435) 789–1017*

RECEIVED: August 17, 2011

API Well Number: 43007502300000




**LEGEND:**

EXISTING LOCATION

N

**BILL BARRETT CORPORATION**

PRICKLY PEAR UNIT FEDERAL SE 7 PAD
PRICKLY PEAR UNIT FEDERAL #15A-7D-12-15, #10A-7D-12-15, #9A-7D-12-15, #16A-7D-12-15, #2A-18D-12-15 & #1A-18D-12-15
SECTION 7, T12S, R15E, S.L.B.&M.
SE 1/4 SE 1/4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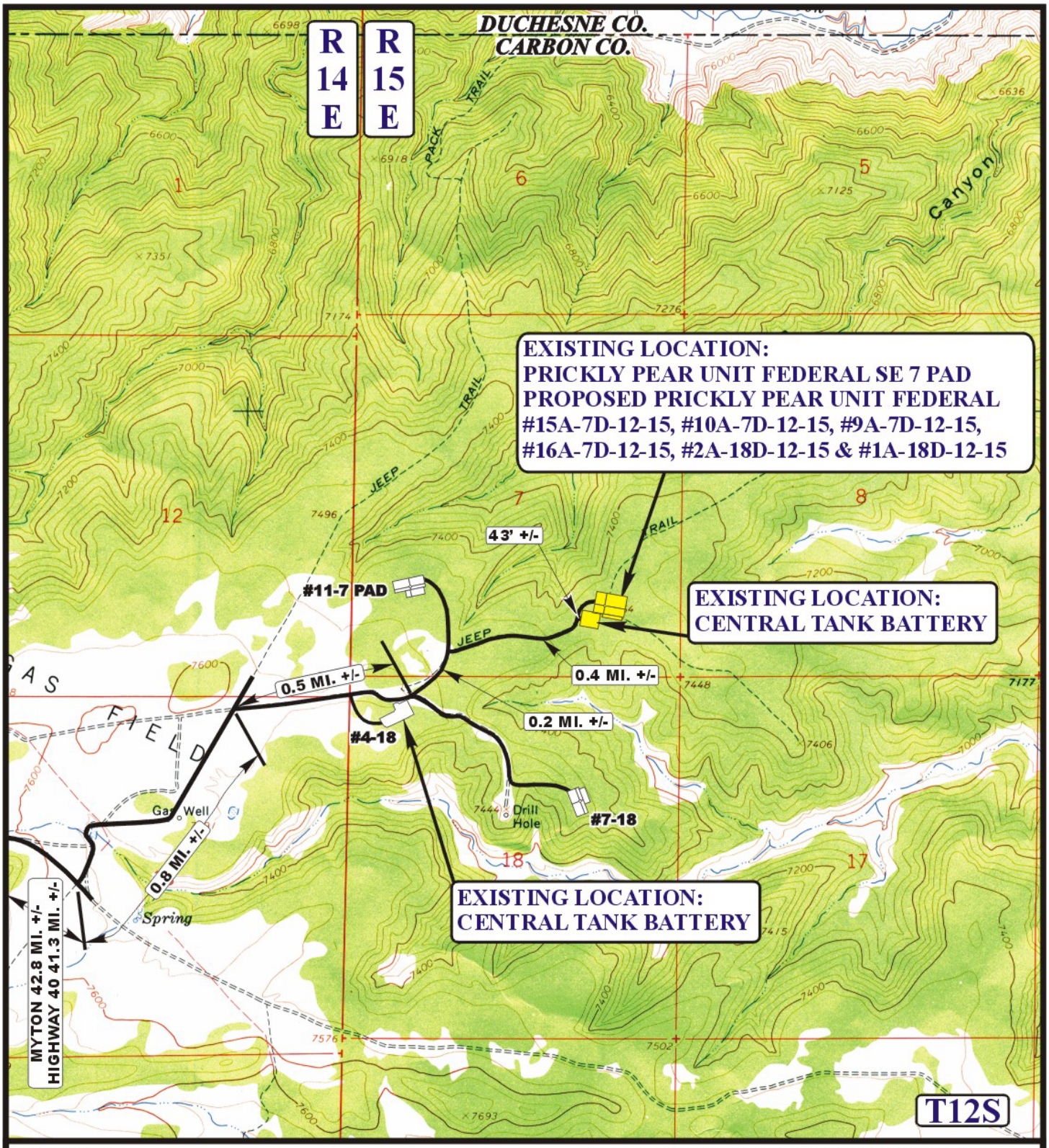
| TOPOGRAPHIC MAP | 09 MONTH | 22 DAY | 08 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: J.J. | REV: 06-15-11 C.C. | | |




## LEGEND:

EXISTING ROAD

N

## BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL SE 7 PAD
PRICKLY PEAR UNIT FEDERAL #15A-7D-12-15, #10A-7D-12-15, #9A-7D-12-15, #16A-7D-12-15, #2A-18D-12-15 & #1A-18D-12-15
SECTION 7, T12S, R15E, S.L.B.&M.
SE 1/4 SE 1/4

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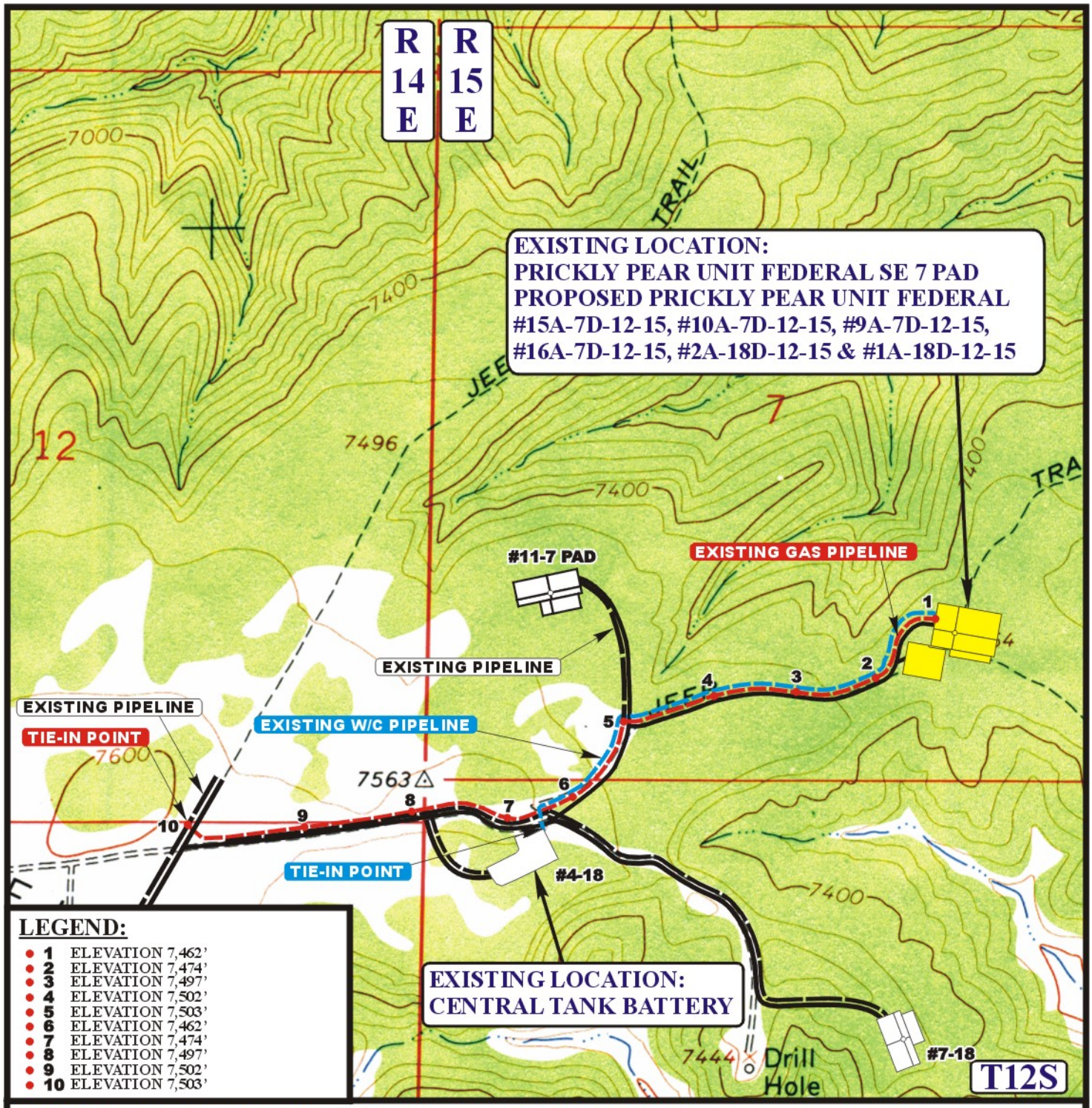
(435) 789-1017 * FAX (435) 789-1813

| TOPOGRAPHIC MAP | 09 MONTH | 22 DAY | 08 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: J.J. | REV: 06-15-11 C.C. | | |

API Well Number: 43007502300000




**LEGEND:**

- 1 ELEVATION 7,462'
- 2 ELEVATION 7,474'
- 3 ELEVATION 7,497'
- 4 ELEVATION 7,502'
- 5 ELEVATION 7,503'
- 6 ELEVATION 7,462'
- 7 ELEVATION 7,474'
- 8 ELEVATION 7,497'
- 9 ELEVATION 7,502'
- 10 ELEVATION 7,503'

APPROXIMATE TOTAL WATER/CONDENSATE PIPELINE DISTANCE = 3,540' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 5,830' +/-

**LEGEND:**

- EXISTING PIPELINE
- EXISTING GAS PIPELINE
- EXISTING W/C PIPELINE

N

**BILL BARRETT CORPORATION**

PRICKLY PEAR UNIT FEDERAL SE 7 PAD
PRICKLY PEAR UNIT FEDERAL #15A-7D-12-15, #10A-7D-12-15, #9A-7D-12-15, #16A-7D-12-15, #2A-18D-12-15 & #1A-18D-12-15
SECTION 7, T12S, R15E, S.L.B.&M.
SE 1/4 SE 1/4


Uintah Engineering & Land Surveying
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(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 09 MONTH | 22 DAY | 08 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 1000' | DRAWN BY: J.J. | REV: 06-15-11 C.C. | | |

# BILL BARRETT CORP

**CARBON COUNTY, UT (NAD 27)**
**PR PR SE Section 7-12-15**
**PRPR 16A-7D-12-15**

**Wellbore #1**

**Plan: Plan 1 14July11**

# Standard Planning Report

**27 July, 2011**

**RECEIVED: August 17, 2011**

API Well Number: 43007502300000

Bill Barrett Corporation

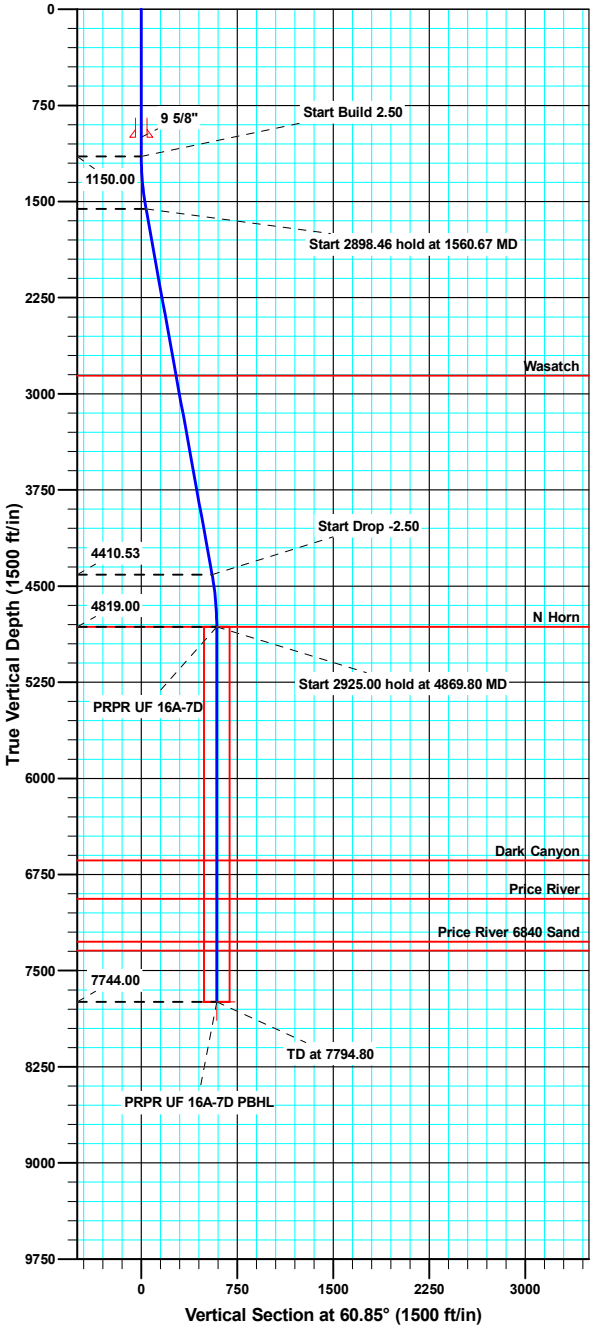
## Well Details: PRPR 16A-7D-12-15

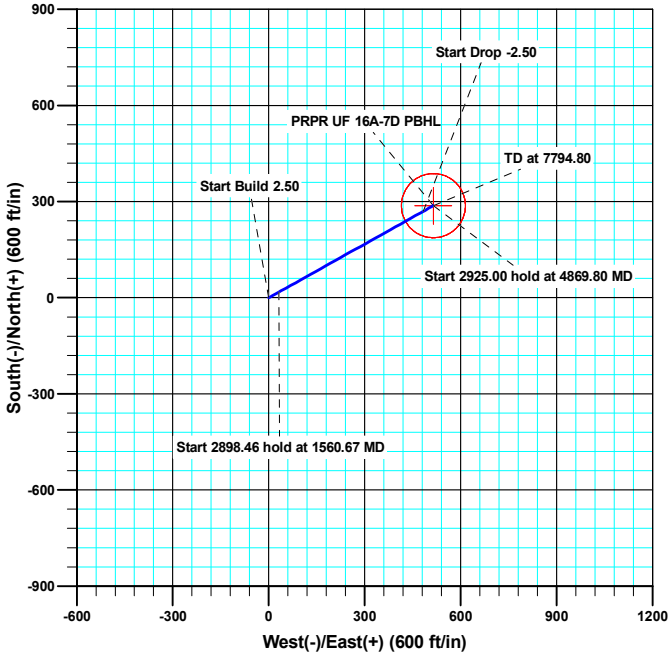
US State Plane 1927 (Exact solution) , Utah Central 4302 , NAD 1927 (NADCON CONUS)

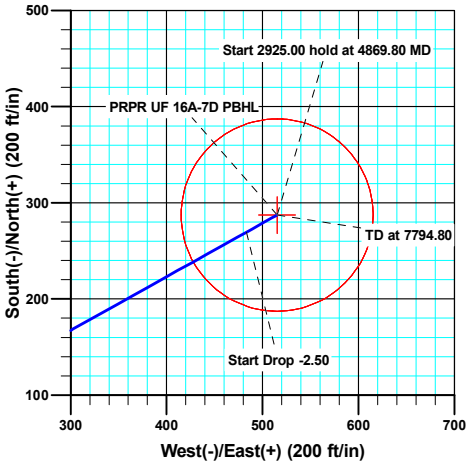
Ground Level: 7461.00

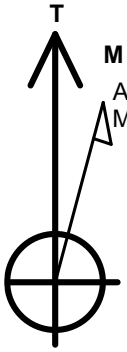
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---|---|---|---|---|---|
| 0.00 | 0.00 | 530677.43 | 2344792.45 | 39° 47' 1.83 N | 110° 16' 22.96 W |

PR PR SE Section 7-12-15




Azimuths to True North
Magnetic North: 11.53°

Magnetic Field
Strength: 52257.2snT
Dip Angle: 65.58°
Date: 12/31/2009
Model: IGRF200510

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | DIeg | TFace | VSect | Target |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1150.00 | 0.000 | 0.00 | 1150.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1560.67 | 10.267 | 60.85 | 1558.47 | 17.87 | 32.05 | 2.50 | 60.85 | 36.69 | |
| 4459.13 | 10.267 | 60.85 | 4410.53 | 269.51 | 483.21 | 0.00 | 0.00 | 553.29 | |
| 4869.80 | 0.000 | 0.00 | 4819.00 | 287.38 | 515.26 | 2.50 | 180.00 | 589.98 | PRPR UF 16A-7D |
| 7794.80 | 0.000 | 0.00 | 7744.00 | 287.38 | 515.26 | 0.00 | 0.00 | 589.98 | PRPR UF 16A-7D PBHL |

Sharewell Energy Services, LP

RECEIVED: August 17, 2011

# Sharewell

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | Compass VM | **Local Co-ordinate Reference:** | Well PRPR 16A-7D-12-15 |
| **Company:** | BILL BARRETT CORP | **TVD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Project:** | CARBON COUNTY, UT (NAD 27) | **MD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Site:** | PR PR SE Section 7-12-15 | **North Reference:** | True |
| **Well:** | PRPR 16A-7D-12-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plan 1 14July11 | | |

**Project** CARBON COUNTY, UT (NAD 27)

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1927 (Exact solution) | **System Datum:** | Ground Level |
| **Geo Datum:** | NAD 1927 (NADCON CONUS) | | |
| **Map Zone:** | Utah Central 4302 | | Using geodetic scale factor |

**Site** PR PR SE Section 7-12-15, Prickly Pear

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 530,673.90 usft | **Latitude:** | 39° 47' 1.79 N |
| **From:** | Lat/Long | **Easting:** | 2,344,816.79 usft | **Longitude:** | 110° 16' 22.65 W |
| **Position Uncertainty:** | 100.00 ft | **Slot Radius:** | 1.10 ft | **Grid Convergence:** | 0.79 ° |

**Well** PRPR 16A-7D-12-15, 1033 FSL & 1046 FEL

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 3.87 ft | **Northing:** | 530,677.43 usft | **Latitude:** | 39° 47' 1.83 N |
| | **+E/-W** | -24.30 ft | **Easting:** | 2,344,792.45 usft | **Longitude:** | 110° 16' 22.96 W |
| **Position Uncertainty** | | 0.00 ft | **Wellhead Elevation:** | | **Ground Level:** | 7,461.00 ft |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF200510 | 12/31/09 | 11.53 | 65.58 | 52,257 |

**Design** Plan 1 14July11

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PLAN | **Tie On Depth:** | 0.00 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 60.85 |

**Plan Sections**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,150.00 | 0.000 | 0.00 | 1,150.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,560.67 | 10.267 | 60.85 | 1,558.47 | 17.87 | 32.05 | 2.50 | 2.50 | 0.00 | 60.85 | |
| 4,459.13 | 10.267 | 60.85 | 4,410.53 | 269.51 | 483.21 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,869.80 | 0.000 | 0.00 | 4,819.00 | 287.38 | 515.26 | 2.50 | -2.50 | 0.00 | 180.00 | PRPR UF 16A-7D |
| 7,794.80 | 0.000 | 0.00 | 7,744.00 | 287.38 | 515.26 | 0.00 | 0.00 | 0.00 | 0.00 | PRPR UF 16A-7D PB |



RECEIVED: August 17, 2011

# Sharewell

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | Compass VM | **Local Co-ordinate Reference:** | Well PRPR 16A-7D-12-15 |
| **Company:** | BILL BARRETT CORP | **TVD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Project:** | CARBON COUNTY, UT (NAD 27) | **MD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Site:** | PR PR SE Section 7-12-15 | **North Reference:** | True |
| **Well:** | PRPR 16A-7D-12-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plan 1 14July11 | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.000 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.000 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.000 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.000 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.000 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.000 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.000 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.000 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.000 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.000 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.000 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,150.00 | 0.000 | 0.00 | 1,150.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 1.250 | 60.85 | 1,200.00 | 0.27 | 0.48 | 0.55 | 2.50 | 2.50 | 0.00 |
| 1,300.00 | 3.750 | 60.85 | 1,299.89 | 2.39 | 4.29 | 4.91 | 2.50 | 2.50 | 0.00 |
| 1,400.00 | 6.250 | 60.85 | 1,399.50 | 6.64 | 11.90 | 13.62 | 2.50 | 2.50 | 0.00 |
| 1,500.00 | 8.750 | 60.85 | 1,498.64 | 12.99 | 23.30 | 26.67 | 2.50 | 2.50 | 0.00 |
| 1,560.67 | 10.267 | 60.85 | 1,558.47 | 17.87 | 32.05 | 36.69 | 2.50 | 2.50 | 0.00 |
| 1,600.00 | 10.267 | 60.85 | 1,597.18 | 21.29 | 38.17 | 43.71 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 10.267 | 60.85 | 1,695.58 | 29.97 | 53.74 | 61.53 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 10.267 | 60.85 | 1,793.97 | 38.65 | 69.30 | 79.35 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 10.267 | 60.85 | 1,892.37 | 47.33 | 84.87 | 97.17 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 10.267 | 60.85 | 1,990.77 | 56.02 | 100.43 | 115.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 10.267 | 60.85 | 2,089.17 | 64.70 | 116.00 | 132.82 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 10.267 | 60.85 | 2,187.57 | 73.38 | 131.56 | 150.64 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 10.267 | 60.85 | 2,285.97 | 82.06 | 147.13 | 168.47 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 10.267 | 60.85 | 2,384.37 | 90.74 | 162.69 | 186.29 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 10.267 | 60.85 | 2,482.77 | 99.42 | 178.26 | 204.11 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 10.267 | 60.85 | 2,581.17 | 108.11 | 193.83 | 221.94 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 10.267 | 60.85 | 2,679.56 | 116.79 | 209.39 | 239.76 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 10.267 | 60.85 | 2,777.96 | 125.47 | 224.96 | 257.58 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 10.267 | 60.85 | 2,876.36 | 134.15 | 240.52 | 275.40 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 10.267 | 60.85 | 2,974.76 | 142.83 | 256.09 | 293.23 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 10.267 | 60.85 | 3,073.16 | 151.51 | 271.65 | 311.05 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 10.267 | 60.85 | 3,171.56 | 160.20 | 287.22 | 328.87 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 10.267 | 60.85 | 3,269.96 | 168.88 | 302.78 | 346.70 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 10.267 | 60.85 | 3,368.36 | 177.56 | 318.35 | 364.52 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 10.267 | 60.85 | 3,466.76 | 186.24 | 333.92 | 382.34 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 10.267 | 60.85 | 3,565.15 | 194.92 | 349.48 | 400.17 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 10.267 | 60.85 | 3,663.55 | 203.61 | 365.05 | 417.99 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 10.267 | 60.85 | 3,761.95 | 212.29 | 380.61 | 435.81 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 10.267 | 60.85 | 3,860.35 | 220.97 | 396.18 | 453.63 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 10.267 | 60.85 | 3,958.75 | 229.65 | 411.74 | 471.46 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 10.267 | 60.85 | 4,057.15 | 238.33 | 427.31 | 489.28 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 10.267 | 60.85 | 4,155.55 | 247.01 | 442.87 | 507.10 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 10.267 | 60.85 | 4,253.95 | 255.70 | 458.44 | 524.93 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 10.267 | 60.85 | 4,352.35 | 264.38 | 474.01 | 542.75 | 0.00 | 0.00 | 0.00 |
| 4,459.13 | 10.267 | 60.85 | 4,410.53 | 269.51 | 483.21 | 553.29 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 9.245 | 60.85 | 4,450.81 | 272.88 | 489.26 | 560.21 | 2.50 | -2.50 | 0.00 |
| 4,600.00 | 6.745 | 60.85 | 4,549.83 | 279.66 | 501.40 | 574.12 | 2.50 | -2.50 | 0.00 |
| 4,700.00 | 4.245 | 60.85 | 4,649.36 | 284.32 | 509.77 | 583.70 | 2.50 | -2.50 | 0.00 |
| 4,800.00 | 1.745 | 60.85 | 4,749.21 | 286.87 | 514.33 | 588.92 | 2.50 | -2.50 | 0.00 |
| 4,869.80 | 0.000 | 0.00 | 4,819.00 | 287.38 | 515.26 | 589.98 | 2.50 | -2.50 | 0.00 |
| 4,900.00 | 0.000 | 0.00 | 4,849.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |



RECEIVED: August 17, 2011

# Sharewell

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | Compass VM | **Local Co-ordinate Reference:** | Well PRPR 16A-7D-12-15 |
| **Company:** | BILL BARRETT CORP | **TVD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Project:** | CARBON COUNTY, UT (NAD 27) | **MD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Site:** | PR PR SE Section 7-12-15 | **North Reference:** | True |
| **Well:** | PRPR 16A-7D-12-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plan 1 14July11 | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 5,000.00 | 0.000 | 0.00 | 4,949.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.000 | 0.00 | 5,049.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.000 | 0.00 | 5,149.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.000 | 0.00 | 5,249.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.000 | 0.00 | 5,349.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.000 | 0.00 | 5,449.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.000 | 0.00 | 5,549.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.000 | 0.00 | 5,649.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.000 | 0.00 | 5,749.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.000 | 0.00 | 5,849.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.000 | 0.00 | 5,949.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.000 | 0.00 | 6,049.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.000 | 0.00 | 6,149.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.000 | 0.00 | 6,249.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.000 | 0.00 | 6,349.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.000 | 0.00 | 6,449.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.000 | 0.00 | 6,549.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.000 | 0.00 | 6,649.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.000 | 0.00 | 6,749.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.000 | 0.00 | 6,849.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.000 | 0.00 | 6,949.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.000 | 0.00 | 7,049.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.000 | 0.00 | 7,149.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.000 | 0.00 | 7,249.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.000 | 0.00 | 7,349.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.000 | 0.00 | 7,449.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.000 | 0.00 | 7,549.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.000 | 0.00 | 7,649.20 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |
| 7,794.80 | 0.000 | 0.00 | 7,744.00 | 287.38 | 515.26 | 589.98 | 0.00 | 0.00 | 0.00 |

**Design Targets**

| Target Name<br>- hit/miss target<br>- Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| PRPR UF 16A-7D<br>- plan hits target center<br>- Circle (radius 100.00) | 0.000 | 0.00 | 4,819.00 | 287.38 | 515.26 | 530,971.83 | 2,345,303.66 | 39° 47' 4.67 N | 110° 16' 16.36 W |
| PRPR UF 16A-7D PBHL<br>- plan hits target center<br>- Circle (radius 100.00) | 0.000 | 0.00 | 7,744.00 | 287.38 | 515.26 | 530,971.83 | 2,345,303.66 | 39° 47' 4.67 N | 110° 16' 16.36 W |

**Casing Points**

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (ft) | Hole Diameter (ft) |
|---|---|---|---|---|
| 1,000.00 | 1,000.00 | 9 5/8" | 0.80 | 1.02 |



RECEIVED: August 17, 2011

# Sharewell

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | Compass VM | **Local Co-ordinate Reference:** | Well PRPR 16A-7D-12-15 |
| **Company:** | BILL BARRETT CORP | **TVD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Project:** | CARBON COUNTY, UT (NAD 27) | **MD Reference:** | KB @ 7483.00ft (Original Well Elev) |
| **Site:** | PR PR SE Section 7-12-15 | **North Reference:** | True |
| **Well:** | PRPR 16A-7D-12-15 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plan 1 14July11 | | |

**Formations**

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 2,882.36 | 2,859.00 | Wasatch | | 0.00 | |
| 4,869.80 | 4,819.00 | N Horn | | 0.00 | |
| 6,689.80 | 6,639.00 | Dark Canyon | | 0.00 | |
| 6,989.80 | 6,939.00 | Price River | | 0.00 | |
| 7,324.80 | 7,274.00 | Price River 6840 Sand | | 0.00 | |
| 7,394.80 | 7,344.00 | Sand | | 0.00 | |



**RECEIVED: August 17, 2011**

**SURFACE USE PLAN**

BILL BARRETT CORPORATION
***Prickly Pear Unit Federal SE Sec. 7 Pad SUP - REVISED***
***Carbon County, UT***

| | |
|---|---|
| ***Prickly Pear Unit Federal 15-7D-12-15***<br>SESE, 1040' FSL, 1085' FEL, Sec. 7, T12S-R15E (surface hole)<br>SWSE, 662' FSL, 1771' FEL, Sec. 7, T12S-R15E (bottom hole) | ***Prickly Pear Unit Federal 10-7D-12-15***<br>SESE, 1039' FSL, 1077' FEL, Sec. 7, T12S-R15E (surface hole)<br>NWSE, 1988' FSL, 1731' FEL, Sec. 7, T12S-R15E (bottom hole) |
| ***Prickly Pear Unit Federal 9-7D-12-15***<br>SESE, 1034' FSL, 1054' FEL, Sec. 7, T12S-R15E (surface hole)<br>NESE, 1984' FSL, 530' FEL, Sec. 7, T12S-R15E (bottom hole) | ***Prickly Pear Unit Federal 16-7D-12-15***<br>SESE, 1032' FSL, 1038' FEL, Sec. 7, T12S-R15E (surface hole)<br>SESE, 657' FSL, 531' FEL, Sec. 7, T12S-R15E (bottom hole) |
| *Prickly Pear Unit Federal 9A-7D-12-15*<br>SESE, 1036' FSL, 1062' FEL, Sec. 7, T12S-R15E (surface hole)<br>NESE, 2638' FSL, 528' FEL, Sec. 7, T12S-R15E (bottom hole) | *Prickly Pear Unit Federal 10A-7D-12-15*<br>SESE, 1037' FSL, 1069' FEL, Sec. 7, T12S-R15E (surface hole)<br>NWSE, 2638' FSL, 1726' FEL, Sec. 7, T12S-R15E (bottom hole) |
| *Prickly Pear Unit Federal 15A-7D-12-15*<br>SESE, 1042' FSL, 1093' FEL, Sec. 7, T12S-R15E (surface hole)<br>SWSE, 1316' FSL, 1735' FEL, Sec. 7, T12S-R15E (bottom hole) | *Prickly Pear Unit Federal 16A-7D-12-15*<br>SESE, 1033' FSL, 1046' FEL, Sec. 7, T12S-R15E (surface hole)<br>SESE, 1318' FSL, 531' FEL, Sec. 7, T12S-R15E (bottom hole) |
| *Prickly Pear Unit Federal 1A-18D-12-15*<br>SESE, 1030' FSL, 1030' FEL, Sec. 7, T12S-R15E (surface hole)<br>NENE, 58' FNL, 533' FEL, Sec. 18, T12S-R15E (bottom hole) | ***Prickly Pear Unit Federal 2A-18D-12-15***<br>SESE, 1032' FSL, 1038' FEL, Sec. 7, T12S-R15E (surface hole)<br>NWNE, 51' FNL, 1739' FEL, Sec. 18, T12S-R15E (bottom hole) |

**This is an existing four well pad that BBC is proposing to add another six directional wells. The onsite for this pad occurred on June 30, 2010. No new disturbance is proposed.**

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

   a. The existing pad is located approximately 44.7 miles from Myton, Utah. Maps reflecting directions to the proposed pad are included (see Topographic maps A and B).

   b. The use of roads under State and County Road Department maintenance is necessary to access the Prickly Pear Unit. However, an encroachment permit is not anticipated as there are no upgrades to the State or County road systems proposed at this time.

   c. From Prickly Pear road, an existing two-track and new constructed road, approximately 3168 ft in length, was upgraded for access to this pad.

   d. No topsoil stripping will occur as there are no improvements proposed to existing State, County or main BLM access roads.

   e. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a scraper and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.

   f. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.

   g. To address safety-related traffic concerns, drivers and rig crews would be advised of the hazards to recreational traffic along the existing and proposed access roads, as well as hazards present due to blind corners, cars parked on the road, pedestrian traffic, and mountain bikers. In addition, appropriate signs would be erected to warn non-project personnel about traffic hazards associated

with project-related activities and during times of rig moves, when there is heavy equipment, traffic may be controlled on sections of roads. Traffic would be controlled using roadside signs, flagmen, and barricades as appropriate.

g. Dust suppression and monitoring would be implemented where necessary and as prescribed by the BLM.

h. An off-lease federal right-of-way for the access road and utility corridor is not anticipated at this time since existing roads are being utilized into the Prickly Pear Unit area. Any new construction would be within the Unit.

2. Planned Access Road:

a. See 1.c above for information on this existing access.

3. Location of Existing Wells (see One-Mile Radius Map):

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

| | | |
|---|---|---|
| i. | water wells | none |
| ii. | injection wells | none |
| iii. | disposal wells | none |
| iv. | drilling wells | none |
| v. | temp shut-in wells | none |
| vi. | producing wells | twenty-one |
| vii. | abandoned wells | one |

4. Location of Production Facilities:

a. Each proposed well would have its own meter run and separator. Proposed wellheads and christmas trees are contained below location grade in pre-cast concrete trenches. All wellheads associated with the drilling operations for this pad are contained in the same trench measuring approximately 12 ft wide, 10 ft deep, and 80 ft long (# wells x 8 ft + 16 ft for two end pieces). Drawings of below ground cellars can be provided by BBC upon request.

b. Tank facilities for this pad exist on a centralized tank battery facility (CTB) that is co-located on this pad and liquids are then pumped on to the Prickly Pear 4-18 CTB/well pad located in the NWNW, Sec. 18, 12S-15E and trucked from that location. Up to ten 625-bbl tanks and one 300-bbl low profile tank are located at the SE 7 CTB for production associated with this pad and pad to the east. As some of the proposed wells are inside the Participating Area (PA) and some wells are outside of the PA, production for non-PA wells would be combined in one set of tanks while production for PA wells would be combined in a separate set of tanks. See Figure #1 for CTB layout.

c. CTB is surrounded by a secondary containment berm of sufficient capacity to contain the 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves are placed inside the berm surrounding the CTB or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. Any variances from this would be submitted via a sundry notice. BBC requests permission to install the necessary production/operation facilities with this application.

d. Most wells would be fitted with plunger lift systems to assist liquid production. However, pump jacks may be used if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be small (50 horsepower or less), natural gas-fired internal combustion engines.

e. Any additional gas meter run(s) will be constructed and are located on lease within 500 feet of the wellheads. Meter runs will be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3

f. A combustor is located on the existing CTB at this pad for control of associated condensate tank emissions.

g. A gas gathering pipeline (up to 12 inch diameter), approximately 5830 ft in length and multiple liquids lines (up to 6 inch diameter), approximately 3540 feet in length, exist for this location (see Topographic Map C). No additional lines are proposed.

h. All **permanent** above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. These structures would be painted the designated color at the time of installation or within 6 months of being located on site. Facilities that are required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

i. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any changes to facilities proposed within this surface use plan would be depicted on the site security diagram submitted.

j. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

5. Location and Type of Water Supply:

a. Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under:
   Application Number 90-1869, expires April 25, 2012
   Application Number 98-1864, expires September 8, 2011
   Application Number 90-4, expires December 31, 2014
   Application Number 90-1868, expires April 25, 2012
   Application Number 90-1866, expires December 21, 2020

b. Water use for this location would most likely be diverted from Nine Mile Creek, the N¼ of Section 3, T12S-R14E. Bobtail trucks would haul the water, traveling Prickly Pear road to Harmon Canyon, traveling north to this point of diversion.

c. Water use would vary in accordance with the formations to be drilled but would average approximately 1 acre-foot (7,758 barrels) during drilling operations and 1 acre-foot (7,758 barrels) during completion operations.

6. Source of Construction Material:

a. The use of materials would conform to 43 CFR 3610.2-3.

b. No construction materials would be taken out of the Prickly Pear Unit.

c. If any additional gravel is required, it would be obtained from SITLA materials permits, federal BBC locations within the Prickly Pear unit or from private sources.

7. Methods of Handling Waste Disposal:

a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.

*Closed Loop Drilling System*

b. BBC intends to employ a closed loop drilling system in which drilling fluids and cuttings would be thoroughly processed such that the separated cuttings are relatively dry. The cuttings are stored on location in a 290 ft x 50 ft existing cuttings trench (indicated as existing pit on Figure 1 located outboard of the location along the west side of the pad).

c. The cuttings trench would not be lined. Three sides of the trench would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until cuttings trench has been reclaimed.

d. Upon completion of drilling, the cuttings would be tested and further processed as necessary to meet standards for burial on site or other BLM approved uses such as a media for road surfacing or growing media for reclamation.

*Conventional or Semi-Closed Loop Drilling System*

e. In the event closed loop drilling is not employed, a conventional or semi-closed loop system would be used where a small amount of fluid is retained in the cuttings and the cuttings are placed in the reserve pit. The reserve pit would also store water to make up losses and store any excess drilling fluids. Reserve pits would be constructed with an impermeable liner so as to prevent releases. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc. that could puncture the liner would be disposed of in the pit and a minimum of 2 ft of freeboard would be maintained in the pit at all times. Reserve pits would be constructed and maintained according to BLM or UDOGM requirements as appropriate.

f. Three sides of the reserve pit would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until the pit is dry.

g. Any hydrocarbons floating on the surface of the reserve pit would be removed as soon as possible after drilling and completion operations are finished. In some cases, the reserve pit may be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

*Completion Pit*

h. Where closed loop drilling is employed, the cuttings trench disturbed area would typically also be used to store water for completion activities. The completion pit would be constructed with an impermeable liner to prevent releases and would be fenced and constructed and maintained according to BLM or UDOGM requirements.

*Other*

i. Produced fluids from the wells other than water would be decanted into steel test tanks until such time as construction of production facilities is completed. Produced water may be used in further drilling and completion activities, evaporated in the pit or would be hauled to a state approved disposal facility.

j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be confined to tanks within the CTB for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities or hauled to a State approved disposal facility.

k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.

l. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.

m. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and $CO_2$ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

n. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Carbon, Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.

o. Sanitary waste equipment and trash bins would be removed from the WTP Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.

p. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the West Tavaputs Project area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is possible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.

q. Flare lines would be directed so as to avoid damage to surrounding vegetation, adjacent rock faces, or other resources, and as required by regulations. Flare lines would be in place on all well locations. In the event it becomes necessary to flare a well, a deflector and/or directional orifice would also be used to safeguard both personnel and adjacent natural rock faces.

8. <u>Ancillary Facilities:</u>

a. Garbage containers and portable toilets would be located on the well pad.

b. Storage yards for tubulars and other equipment and temporary housing areas, located on BBC surface, would be utilized.

c. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. Active drilling locations could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

a. Each well would be properly identified in accordance with 43 CFR 3162.6.

b. The existing pad size is 455 ft x 312 ft with an existing 290 ft x 50 ft (3.6 acres short-term, 1.1 acres long-term) cuttings trench/reserve pit/completion pit outboard of the pad. The location layout and cross section diagrams are enclosed.

c. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.

d. Proposed wellheads and christmas trees will be contained below location grade in pre-cast concrete trenches.

e. The cuttings trench or reserve pit would be fenced on three sides during drilling and on the fourth side immediately after the removal of the drilling rig. In the event closed loop drilling is employed, the cuttings trench would be removed or stockpiled on one edge of the trench and the area would be used for a completion pit during completion operations.

f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.

g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.

h. Dust suppression may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

*Interim Reclamation (see Figure 4)*

a. Portions of the disturbed area within a construction ROW or portions of well pads not needed for production would be reclaimed according to specifications of the BLM as appropriate.

b. Prior to interim reclamation activities, all solid wastes and refuse would be removed and placed at approved landfills. The portions of the well pad or access and pipeline corridor not needed for production would be re-contoured to promote proper drainage, salvaged topsoil would be replaced, and side slopes would be ripped and disked on the contour. Following site preparation, reseeding would be completed during either the spring or fall planting season, when weather conditions are most favorable. Seed mixtures for reclaimed areas would be site-specific and would require approval by the BLM. BBC would apply and meet BLM's Green River District Reclamation Standards, where practicable.

c. The operator would control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

d. Following interim reclamation, access roads (including roads co-located with pipeline) would be reduced to approximately 30 feet of disturbance. Roads leading to well sites that would not have surface production equipment would be designed and reclaimed in a way that minimizes impacts to the visual character of the host lands.

e. Weather permitting, earthwork for interim reclamation would be completed within 6 months of completion of the final well on the pad or plugging and would continue until satisfactory revegetation cover is established. Inter-seeding (i.e. seeding into existing vegetation), secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provisions would be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures would occur on areas where initial reclamation efforts are unsuccessful, as determined by the BLM or the appropriate surface management agency.

*Dry Hole/Final Reclamation*

f. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc. would be expediently reclaimed and reseeded in accordance with the reclamation plan and any pertinent site-specific COAs.

g. When a well is to be plugged and abandoned, BBC would submit a Notice of Intent to Abandon (NOA) to the BLM or UDOGM as appropriate. The BLM or UDOGM would then attach the appropriate surface rehabilitation COAs for the well pad, and as appropriate, for the associated access road, pipeline, and ancillary facilities. During plugging and abandonment, all structures and equipment would be removed from the well pad. Backfilling, leveling, and re-contouring would then be performed according to the BLM or UDOGM order.

h. Any mulch used by BBC would be weed-free and free from mold, fungi, or noxious weeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting or rock.

i. BBC would reshape disturbed channel beds to their approximate original configuration.

j. Reclamation of abandoned roads may include re-shaping, re-contouring, re-surfacing with topsoil, installation of water bars, and seeding on the contours. Road beds, well pads, and other compacted areas would be ripped to a depth of approximately 1 foot on 1.5 foot centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation would be spread over the disturbance area for nutrient recycling, where practical. Additional erosion control measures (e.g. fiber matting) and road barriers to discourage travel may be constructed if appropriate. Graveled roads, well pads, and other sites would be stripped of usable gravel prior to ripping as deemed necessary. Culverts, cattleguards, and signs would be removed as roads are abandoned.

11. Surface and Mineral Ownership:

a. Surface ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

b. Mineral ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

12. Other Information:

a. Montgomery Archaeological Consultants conducted cultural resource inventories for this project under MOAC 08-251, 05-506, 07-306, 07-230 and 10-047.

b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.

c. Project personnel and contractors would be educated on and subject to the following requirements:

- No dogs within the WTP Project Area;
- No firearms within the WTP Project Area;
- No littering within the WTP Project Area;

- Smoking within the WTP Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders;
- Campfires or uncontained fires of any kind would be prohibited within the WTP Project Area;
- Portable generators used in the WTP Project Area would have spark arrestors.

d. All existing disturbances are within the Prickly Pear unit: Surface and bottom hole disturbances occurred on leases: UTU-73006, UTU-73668 and UTU-75035.

# OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this 1st day of August 2011

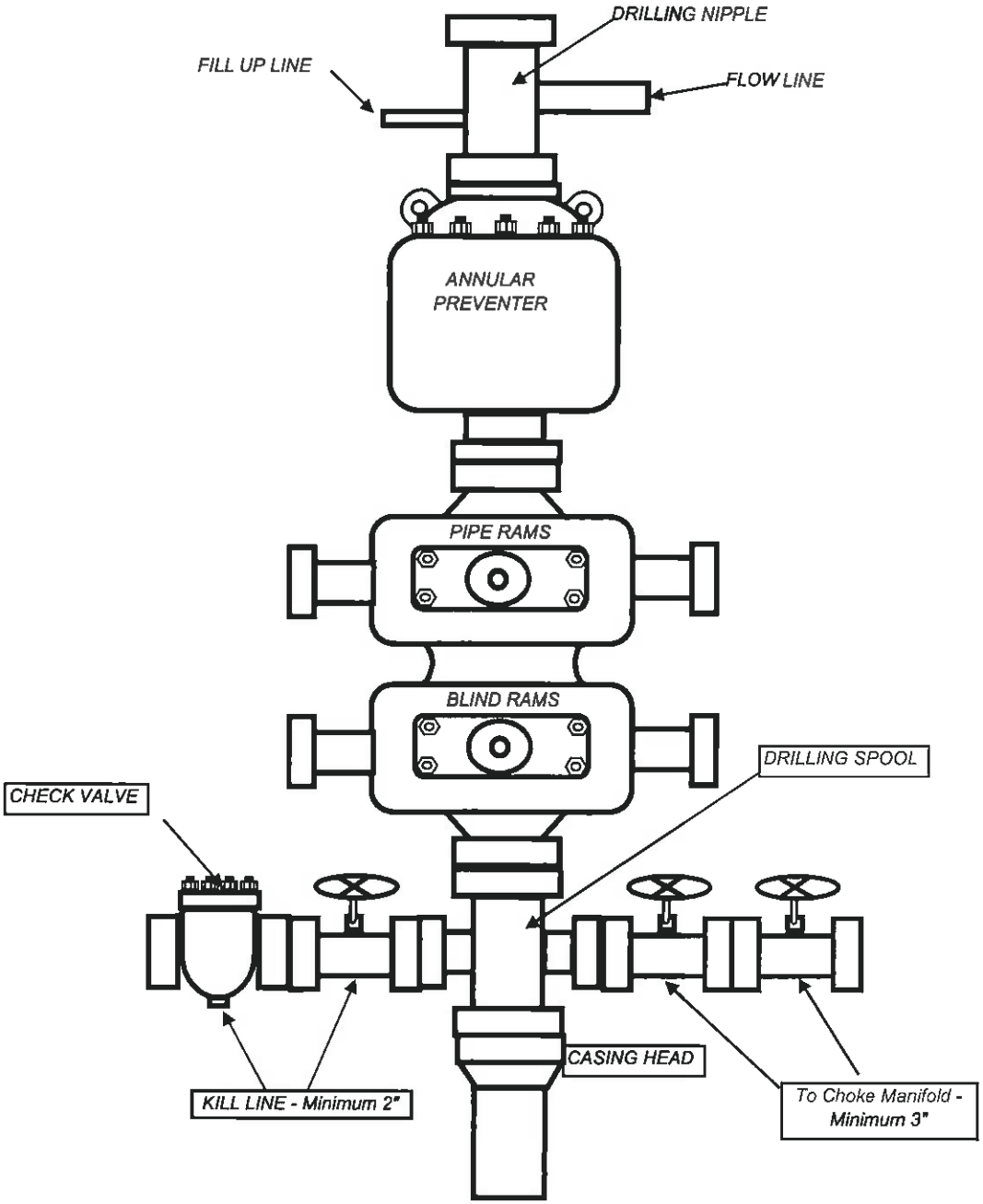
| | |
|---|---|
| Name: | Brady Riley |
| Position Title: | Regulatory Analyst |
| Address: | 1099 18th Street, Suite 2300, Denver, CO 80202 |
| Telephone: | 303-312-8134 |
| Field Representative | Brandon Murdock |
| Address: | 1820 W. Hwy 40, Roosevelt, UT 84066 |
| Telephone: | 435-724-5252 |
| E-mail: | bmurdock@billbarrettcorp.com |

Brady Riley

Brady Riley, Regulatory Analyst

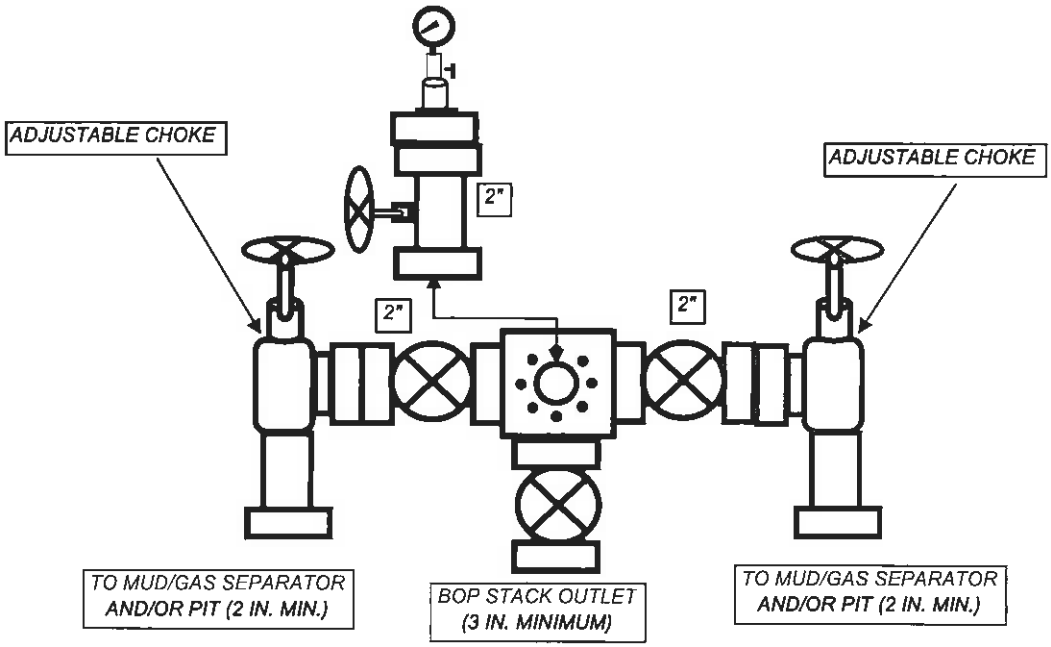
# BILL BARRETT CORPORATION

## *TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER*



# BILL BARRETT CORPORATION

## *TYPICAL 3,000 p.s.i. CHOKE MANIFOLD*



**Bill Barrett Corporation**

July 27, 2011

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

RE: Directional Drilling R649-3-11
Prickly Pear Unit Federal #16A-7D-12-15
SHL: 1033' FSL & 1046' FEL, SESE 7-T12S-R15E
BHL: 1318' FSL & 531' FEL, SESE 7-T12S-R15E
Carbon County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the "Exception to Location and Siting of Wells."

- The above-mentioned proposed location is within the Prickly Pear Unit Area;
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area;
- BBC hereby certifies this well is located within 460 feet of the unit boundary.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact Vicki Wambolt, Landman at 303-312-8513.

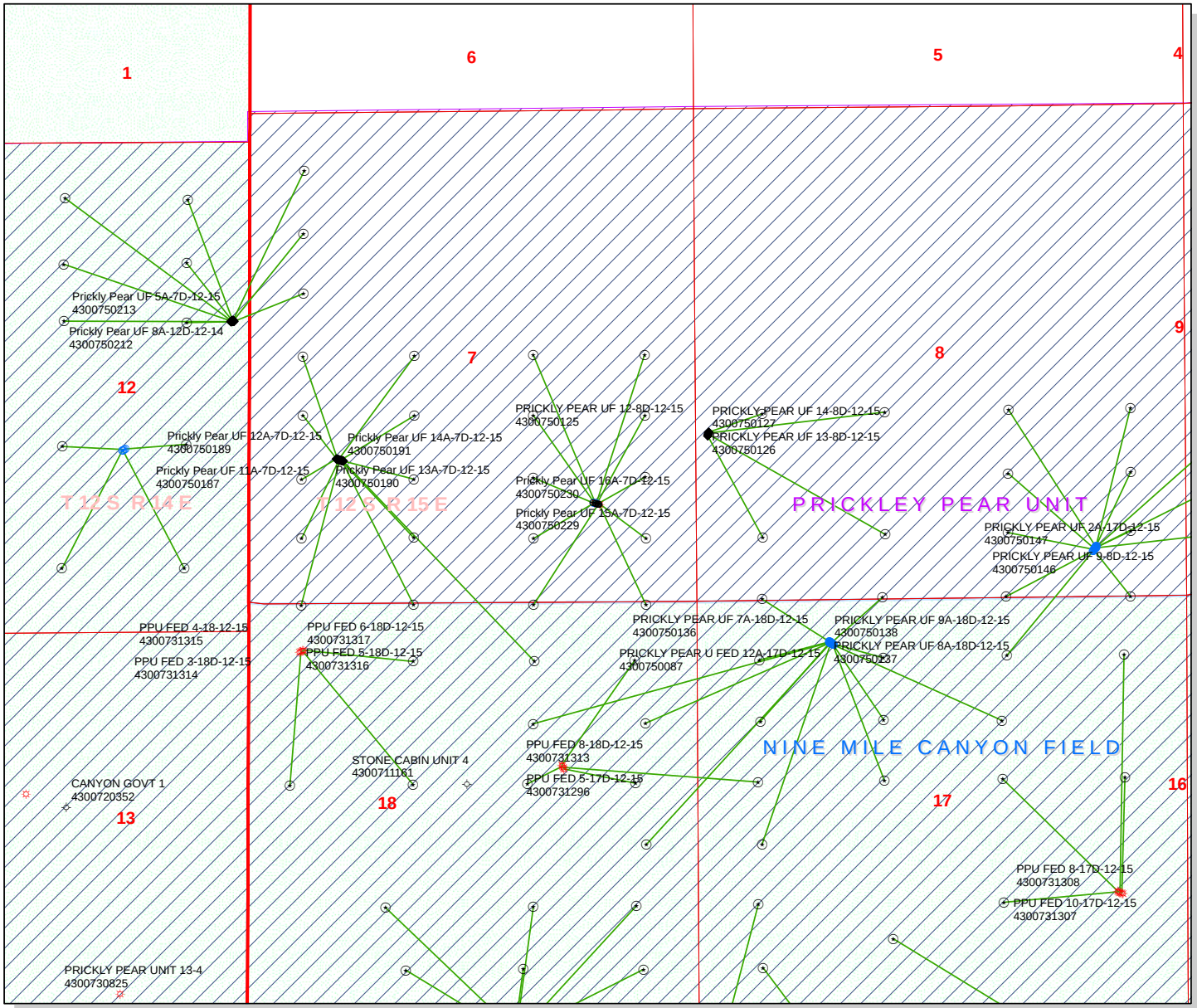
Sincerely,

Vicki Wambolt

Vicki Wambolt BLR
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

API Well Number: 43007502300000




**API Number: 4300750230**

**Well Name: Prickly Pear UF 16A-7D-12-15**

**Township T1.2 . Range R1.5 . Section 07**

**Meridian: SLBM**

Operator: BILL BARRETT CORP

Map Prepared:
Map Produced by Diana Mason

**Units**
**STATUS**
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields**
**STATUS**
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED
- Sections
- Township

**Wells Query**
**Status**
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,400 700 0 1,400 Feet

1:13,324

**RECEIVED: August 18, 2011**

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
**Utah State Office**
**P.O. Box 45155**
**Salt Lake City, Utah 84145-0155**

**IN REPLY REFER TO:**
**3160**
**(UT-922)**

August 19, 2011

Memorandum

To: Associate Field Office Manager,
Price Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Prickly Pear Unit
Carbon County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Prickly Pear Unit, Carbon County, Utah.

| API # | WELL NAME | LOCATION |
|---|---|---|
| **Prickly Pear SE 7 Pad** | | |
| 43-007-50226 | P Pear 2A-18D-12-15 | Sec 07 T12S R15E 1032 FSL 1038 FEL |
| | | BHL Sec 18 T12S R15E 0051 FNL 1739 FEL |
| 43-007-50227 | P Pear 9A-7D-12-15 | Sec 07 T12S R15E 1036 FSL 1062 FEL |
| | | BHL Sec 07 T12S R15E 2638 FSL 0528 FEL |
| 43-007-50229 | P Pear 15A-7D-12-15 | Sec 07 T12S R15E 1042 FSL 1093 FEL |
| | | BHL Sec 07 T12S R15E 1316 FSL 1735 FEL |
| 43-007-50225 | P Pear 1A-18D-12-15 | Sec 07 T12S R15E 1030 FSL 1030 FEL |
| | | BHL Sec 18 T12S R15E 0058 FNL 0533 FEL |
| 43-007-50228 | P Pear 10A-7D-12-15 | Sec 07 T12S R15E 1037 FSL 1069 FEL |
| | | BHL Sec 07 T12S R15E 2638 FSL 1726 FEL |
| 43-007-50230 | P Pear 16A-7D-12-15 | Sec 07 T12S R15E 1033 FSL 1046 FEL |
| | | BHL Sec 07 T12S R15E 1318 FSL 0531 FEL |

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.08.19 11:18:05 -06'00'

**RECEIVED: August 22, 2011**

bcc: File - Prickly Pear Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:8-19-11

RECEIVED: August 22, 2011

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 8/17/2011
**API NO. ASSIGNED:** 43007502300000
**WELL NAME:** Prickly Pear UF 16A-7D-12-15
**OPERATOR:** BILL BARRETT CORP (N2165)
**PHONE NUMBER:** 303 312-8115
**CONTACT:** Brady Riley

**PROPOSED LOCATION:** SESE 07 120S 150E
**Permit Tech Review:** ✔

**SURFACE:** 1033 FSL 1046 FEL
**Engineering Review:** ☐

**BOTTOM:** 1318 FSL 0531 FEL
**Geology Review:** ✔

**COUNTY:** CARBON
**LATITUDE:** 39.78381
**LONGITUDE:** -110.27284
**UTM SURF EASTINGS:** 562268.00
**NORTHINGS:** 4403806.00
**FIELD NAME:** UNDESIGNATED
**LEASE TYPE:** 1 - Federal
**LEASE NUMBER:** UTU73006
**PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE
**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:** NINE MILE CANYON
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingling Approved**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**

**Unit:** PRICKLY PEAR

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ✔ **Drilling Unit**

**Board Cause No:** Cause 256-01
**Effective Date:** 12/16/2004
**Siting:** Suspends General Siting

- ✔ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:** 4 - Federal Approval - dmason
15 - Directional - dmason

**RECEIVED: August 24, 2011**

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:** Prickly Pear UF 16A-7D-12-15
**API Well Number:** 43007502300000
**Lease Number:** UTU73006
**Surface Owner:** FEDERAL
**Approval Date:** 8/24/2011

**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 256-01. The expected producing formation or pool is the WASATCH-MESA VERDE 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.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

**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:**

API Well No: 43007502300000

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

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

**Approved By:**

For John Rogers
Associate Director, Oil & Gas

***Federal Approval of this Action is Necessary***

FORM 9

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU73006

## 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:** PRICKLY PEAR

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** PRICKLY PEAR UF 16A-7D-12-15

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43007502300000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** UNDESIGNATED

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1033 FSL 1046 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SESE Section: 07 Township: 12.0S Range: 15.0E Meridian: S

**COUNTY:** CARBON

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 10/10/2011 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ✓ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two or More Pools, BBC is submitting this sundry to request commingling approval for the Wasatch and Mesaverde formations. Gas composition is similar across all formations. The pressure profile across the formations is similar and BBC does not anticipate any cross flow. Production is considered to be from one pool. In the event that allocation by zone or interval is required, BBC would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval. A letter and affidavit of notice is attached. As per Marvin Hendricks with the Price BLM, federal authority of this action is not necessary.

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

**Date:** 10/12/2011

**By:** Dark K Quist

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |
| **SIGNATURE** N/A | | **DATE** 9/22/2011 |

RECEIVED Sep. 22, 2011

**Bill Barrett Corporation**

AFFIDAVIT

My name is Vicki L. Wambolt and I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde formations in the Prickly Pear Unit Federal 1A-18D-12-15, 2A-18D-12-15, 15A-7D-12-15, 16A-7D-12-15, 9A-7D-12-15 & 10A-7D-12-15 wells drilled from a pad located in the SE of Section 7, Township 12 South, Range 15 East. In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notices, by certified mail, to the owners as listed below of all contiguous oil and gas leases or drilling units overlying the pool.

State of Utah, acting by and through the School
and Institutional Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, UT 84102

Bureau of Land Management
Price Field Office
125 South 600 West
Price, Utah 84501

XTO Energy, Inc.
810 Houston St.
Fort Worth, TX 76102-6298

Date: September 19, 2011

Affiant

Vicki L. Wambolt

Vicki L. Wambolt

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

RECEIVED Sep. 22, 2011

**Bill Barrett Corporation**

September 19, 2011

Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, UT 84116
Attention: Dustin Doucet

RE: Sundry Notices
Prickly Pear Unit
SE 7 T12S R15E
Carbon Co., UT

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde Formations in the Prickly Pear Unit Federal 1A-18D-12-15, 2A-18D-12-15, 15A-7D-12-15, 16A-7D-12-15, 9A-7D-12-15 & 10A-7D-12-15 wells. As required by the Utah OGM regulations R649-3-22, BBC has enclosed copies of the completed Sundry Notices.

Should you require additional information in this regard, please feel free to contact me at 303-312-8513 or vwambolt@billbarrettcorp.com.

BILL BARRETT CORPORATION

Vicki L. Wambolt
Landman

Enclosures

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

RECEIVED Sep. 22, 2011

**Bill Barrett Corporation**

September 19, 2011

Bureau of Land Management
Price Field Office
125 South 600 West
Price, UT 84501
Attention: Marvin Hendricks

*Sent via Certified Mail*

RE: Sundry Notices
Prickly Pear Unit
SE 7 T12S R15E
Carbon Co., UT

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde Formations in the Prickly Pear Unit Federal 1A-18D-12-15, 2A-18D-12-15, 15A-7D-12-15, 16A-7D-12-15, 9A-7D-12-15 & 10A-7D-12-15 wells. As required by the Utah OGM regulations R649-3-22, BBC has enclosed copies of the completed Sundry Notices.

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BILL BARRETT CORPORATION

Vicki L. Wambolt

Vicki L. Wambolt
Landman

Enclosures

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

RECEIVED Sep. 22, 2011

**Bill Barrett Corporation**

September 19, 2011

State of Utah
School and Institutional Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, UT 84102
Attention: LaVonne Garrison

*Sent via Certified Mail*

RE: Sundry Notices
Prickly Pear Unit
SE 7 T12S R15E
Carbon Co., UT

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BILL BARRETT CORPORATION

Vicki L. Wambolt

Vicki L. Wambolt
Landman

Enclosures

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

RECEIVED Sep. 22, 2011

**Bill Barrett Corporation**

September 19, 2011

XTO Energy, Inc.
810 Houston St.
Fort Worth, TX 76102-6298
Attention: Rebecca Bodenhamer

*Sent via Certified Mail*

RE: Sundry Notices
Prickly Pear Unit
SE 7 T12S R15E
Carbon Co., UT

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde Formations in the Prickly Pear Unit Federal 1A-18D-12-15, 2A-18D-12-15, 15A-7D-12-15, 16A-7D-12-15, 9A-7D-12-15 & 10A-7D-12-15 wells. As required by the Utah OGM regulations R649-3-22, BBC has enclosed copies of the completed Sundry Notices.

Should you require additional information in this regard, please feel free to contact me at 303-312-8513 or vwambolt@billbarrettcorp.com.

BILL BARRETT CORPORATION

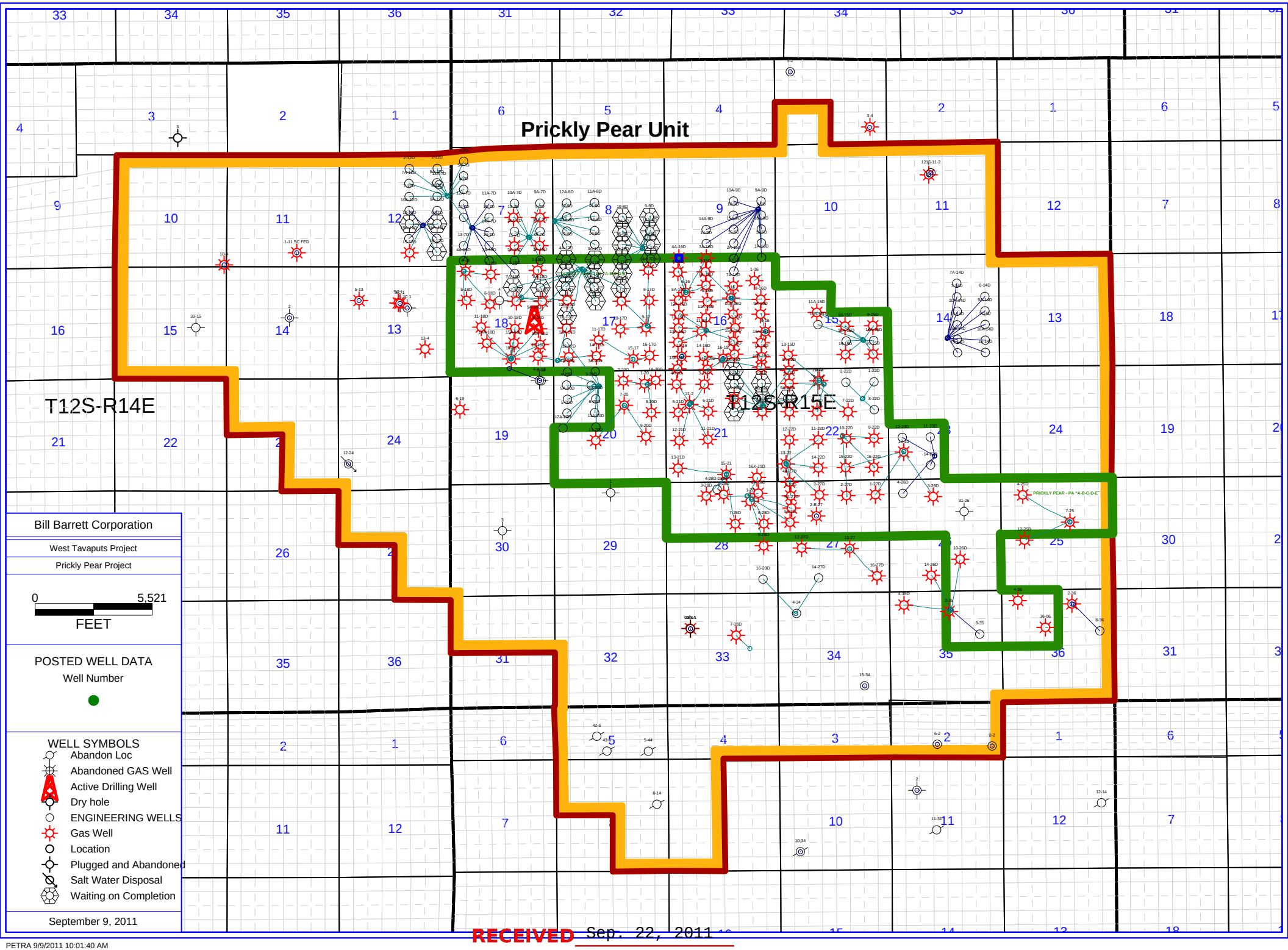
Vicki L. Wambolt

Vicki L. Wambolt
Landman

Enclosures

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

RECEIVED Sep. 22, 2011




RECEIVED Sep. 22, 2011

PETRA 9/9/2011 10:01:40 AM

Form 3160-3
(August 2007)

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

# APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU73006

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
UTU79487X

8. Lease Name and Well No.
PRICKLY PEAR UNIT FEDERAL 16A-7D-12-15

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

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

9. API Well No.
43 007 50230

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

3b. Phone No. (include area code)
Ph: 303.312.8115
Fx: 303.291.0420

10. Field and Pool, or Exploratory
PRICKLY PEAR

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SESE 1033FSL 1046FEL

At proposed prod. zone SESE 1318FSL 531FEL

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 7 T12S R15E Mer SLB
SME: BLM

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

12. County or Parish
CARBON

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1318' LEASE; 3982' UNIT

16. No. of Acres in Lease
2054.68

17. Spacing Unit dedicated to this well
20.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
645' LEASE AND COMPLETED

19. Proposed Depth
7795 MD
7744 TVD

20. BLM/BIA Bond No. on file
WYB000040

21. Elevations (Show whether DF, KB, RT, GL, etc.
7461 GL

22. Approximate date work will start
03/01/2012

23. Estimated duration
25

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MAR 20 2012
DIV. OF OIL, GAS & MINING

24. Attachments

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

1. Well plat certified by a registered surveyor.
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.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
BRADY RILEY Ph: 303.312.8115

Date
08/16/2011

Title
PERMIT ANALYST

Approved by (Signature)
Julie Howard

Name (Printed/Typed)
Julie Howard

Date
3-12-12

Title
AFM LANDS & MINERALS

Office
PRICE 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.

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 #115332 verified by the BLM Well Information System**
**For BILL BARRETT CORPORATION, sent to the Price**
**Committed to AFMSS for processing by PRISCILLA WHITE-ABUHL on 08/18/2011 (11PCW0079AE)**

CONDITIONS OF APPROVAL ATTACHED

**NOTICE OF APPROVAL**

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

**UNITED STATES DEPARTMENT OF THE INTERIOR**
**BUREAU OF LAND MANAGEMENT**
**PRICE FIELD OFFICE**
**125 SOUTH 600 WEST PRICE, UT 84501 (435) 636-3600**

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

| | | | |
|---|---|---|---|
| **Company:** | **Bill Barrett Corporation** | **Surface Location:** | **SESE-Sec 7-T12S-R15E** |
| **Well No:** | **Prickly Pear Unit Federal 16A-7D-12-15** | **Lease No:** | **UTU-73006** |
| **API No:** | **43-007-50230** | **Agreement:** | **UTU-79487X** |

| Title | Name | Office Phone Number | Cell Phone Number |
|---|---|---|---|
| Associate Field Manager & Authorized Officer: | Julie Howard | (435) 636-3637 | |
| Petroleum Engineer: | Leslie Peterson | (435) 636-3661 | (435) 650-9136 |
| Petroleum Engineering Technician: | Angela Wadman | (435) 636-3662 | (435) 632-8595 |
| NRS/Enviro Scientist: | Don Stephens (Primary) | (435) 636-3608 | |
| NRS/Enviro Scientist: | Kyle Beagley (Alt.) | (435) 636-3668 | |

**Fax: (435) 636-3657**

RECEIVED
MAR 20 2012
DIV. OF OIL, GAS & MINING

**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 NRS) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion (Notify NRS) | - 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 Petroleum Eng. Technician) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests (Notify Petroleum Eng. Technician) | - 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. |

UDOGM

# *DRILLING PROGRAM*
# *CONDITIONS OF APPROVAL (COAs)*

## SITE SPECIFIC DRILLING & PRODUCTION COAs

1. While drilling the surface hole with air, a float valve shall be run above the bit, per Onshore Order #2 Part III.E Special Drilling Operations.

2. Periodically, Bill Barrett Corporation (BBC) proposes the use of several different options of production casing (including the N-80, I-80, I-100 and P-110 grades). BBC stated previously that only the P-110 grade of pipe will be used in the casing and completion of the production hole. Therefore, the use of N-80, I-80 and I-100 grade production casing is not approved for use in this well. However, any of these grades may be requested for use in the future by sundry notice.

3. When cementing surface casing, if cement returns are not seen at surface, mitigation measures shall be taken to ensure the groundwater and all usable waters are properly protected per Onshore Order #2 Part III.B.1(c) Casing and Cementing Requirements. Cementing jobs where cement reaches surface, then falls back downhole, shall be topped off as necessary until such time the cement remains in-place at surface, prior to starting drilling operations on the production hole.

4. When cementing the production casing, the cement job shall contain sufficient volume to attempt full coverage of exposed hole behind pipe to protect all usable waters, loss circulation zones and other minerals which may be encountered while drilling to total depth, and also provide a minimum 200' foot overlap above the surface casing shoe. A cement bond log (CBL) shall be run to determine the top of cement behind the production casing, and a field copy sent to the Price Field Office.

## VARIANCES GRANTED

- BBC's request for variance to not use de-duster equipment (Onshore Order #2 Part III.E Special Drilling Operations) is granted, unless the air/mist system is not used.

- BBC's request for variance to use an electronic flow meter for gas measurement (Onshore Order #5 Measurement of Gas) is granted as long as it meets or exceeds the requirements of Utah NTL 2007-1 regarding the use of Electronic Flow Computers.

- BBC's request for variance from Onshore Order #5 Part III.C.3 Gas Measurement by Orifice Meter to use a flow conditioner on this well instead of straightening vanes is approved with the following conditions:

    1. Flow conditioners must be installed in accordance with the manufacturer's specifications.

    2. The make, model, and location of flow conditioner must be clearly identified and available to BLM on-site at all times.

    3. This is a provisional approval that is subject to change pending final review and analysis by BLM. If BLM determines that this flow conditioner cannot meet or exceed the minimum standards required by Onshore Order #5, you will be required to retrofit the installation to comply with BLM requirements, or replace the installation with one that complies with AGA Report Number 3, 1985. The time frame for compliance will be specified by the Price Field Office.

## STANDARD OPERATING REQUIREMENTS

1. The requirements included in Onshore Order #2 Drilling Operations shall be followed.

2. A copy of the approved Application for Permit to Drill (APD) for this well shall be on location at all times once drilling operations have commenced.

3. The Price Field Office petroleum engineer will be notified 24 hours prior to spudding the well.

4. Notify the Price Field Office petroleum engineering technician at least 24 hours in advance of casing cementing operations, BOPE tests and casing pressure or mud weight equivalency tests.

5. Should $H_2S$ be encountered in concentrations greater than 100 ppm, the requirements of Onshore Order #6 Hydrogen Sulfide Operations shall be followed.

6. Any deviation from the permitted APD's proposed drilling program shall have prior approval from the petroleum engineer. Changes may be requested verbally (to be followed by a written sundry sent to this office), or submitted by written sundry if time warrants.

7. Blowout prevention equipment (BOPE) shall remain in use until the well is completed. The closing unit controls shall remain unobstructed and readily accessible at all times, and choke manifolds shall be located outside of the rig substructure. BOP testing shall be conducted within 24 hours of drilling out from under the surface casing, and weekly thereafter as specified in Onshore Order #2.

8. All BOPE components shall be inspected daily, and the inspections recorded in the daily drilling report. Components shall be operated and tested, as required by Onshore Order #2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder, and <u>not</u> by the rig pumps. Test results shall be reported in the driller's log.

9. All casing strings below the conductor pipe shall be pressure tested to .22 psi/foot or 1500 psi (whichever is greater), but not to exceed 70% of the internal yield pressure.

10. No aggressive/fresh hard-banded drill pipe shall be used in the casing design. The proposed use of non-API standard casing must be approved in advance by the petroleum engineer.

11. During drilling operations, daily drilling reports shall be submitted by sundry on a weekly basis to the Price Field Office. Within 30 days of finishing drilling and completion operations, a chronological daily operations history shall be submitted by sundry to this office. A copy of all logs run on this well shall be submitted digitally (in PDF or TIFF format) to the Price Field Office.

12. A complete set of angular deviation and directional surveys for this directional well will be submitted to the Price Field Office petroleum engineer within 30 days of completing the well.

13. The venting or flaring of gas while initially testing the well shall be done in accordance with the requirements specified in Notice to Lessees #4A, and shall not exceed a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. Additional time needed to vent or flare gas during production operations requires prior approval from the Price Field Office.

14. Should this well be successfully completed as a producing well, the Price Field Office must be notified within 5 business days following the date the well has first sales.

**STANDARD OPERATING REQUIREMENTS (cont.)**

15. Proposed production operations that involve: 1) the commingling of production from wells located on-lease or off-lease, 2) off-lease measurement, or 3) off-lease storage shall have prior written approval from the Price Field Office.

16. Operators shall meet the requirements listed in Onshore Order #4 Measurement of Oil and Onshore Order #5 Measurement of Gas. New oil and gas meters shall be calibrated prior to initial product sales. The operator (or its contractors) is responsible for providing the date and time of the initial meter calibration (and all future meter proving schedules) to the petroleum engineering technician. Copies of all meter calibration reports that are performed shall be submitted to the Price Field Office.

17. In accordance with 43 CFR 3162.4-3, this well's production data shall be reported on the "Monthly Report of Operations" starting with the month in which operations commence and continue each month until the well is plugged and abandoned.

18. The operator is responsible for submitting the information required in 43 CFR 3162.4-1 Well Records and Reports, including BLM Form 3160-4, Well Completion and Recompletion Report and Log which must be submitted to the Price Field Office within 30 days of completing the well.

19. Onshore Order #7 authorizes the disposal of water produced from this well in the reserve pit for a period of 90 days after the date of initial production. A permanent disposal method must be submitted and approved by this office, and in operation prior to the end of this 90-day period.

20. The requirements of Onshore Order #3 Site Security shall be implemented, and include (as applicable): 1) all lines entering and leaving hydrocarbon storage tanks shall be effectively sealed and seal records maintained, 2) no by-passes are allowed to be constructed around gas meters, 3) a site facility diagram shall be submitted to the Price Field Office within 60 days following construction of the facilities.

21. Additional construction that is proposed, or the proposed alteration of existing facilities (including roads, gathering lines, batteries, etc.), which will result in the disturbance of new ground, requires prior approval of the Price Field Office natural resource specialist.

22. This well and its associated facilities shall have identifying signs on location in accordance with 43 CFR 3162.6 requirements.

23. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the Price Field Office natural resource specialist.

24. The Price Field Office petroleum engineer shall be notified 24 hours in advance of the plugging of the well (unless the plugging is to take place immediately upon receipt of oral approval), so that a technician may have sufficient time to schedule and witness the plugging operations.

25. If operations are to be suspended on a well for more than 30 days, prior approval of the Price Field Office shall be obtained, and notification also given before operations resume.

# SURFACE USE
# CONDITIONS OF APPROVAL

Project Name: BBC Prickly Pear Drilling Program One Multiple Well Location

Operator: Bill Barrett Corporation

**List of Wells:**

| Name | Number | Section | TWP/RNG |
|---|---|---|---|
| **Prickly Pear Unit Federal** | **16A-7D-12-15** | **7** | **12S/15E** |
| **Prickly Pear Unit Federal** | **9A-7D-12-15** | | |
| **Prickly Pear Unit Federal** | **10A-7D-12-15** | | |
| **Prickly Pear Unit Federal** | **15A-7D-12-15** | | |
| **Prickly Pear Unit Federal** | **2A-18D-12-15** | **18** | |
| **Prickly Pear Unit Federal** | **1A-18D-12-15** | | |

## I To be followed as Conditions of Approval:

The following attachments from the Record of Decision West Tavaputs Plateau Natural Gas Full Field Development Plan:

| | |
|---|---|
| Attachment 2 | Conditions of Approval and Stipulations |
| Attachment 3 | Green River District Reclamation Guidelines |
| Attachment 4 | Programmatic Agreement |
| Attachment 5 | Special Protection Measures for Wildlife |
| Attachment 6 | Agency Wildlife Mitigation Plan |
| Attachment 7 | Long-Term Monitoring Plan for Water Resources |
| Attachment 8 | Mitigation Compliance and Monitoring Plan |

## II Site Specific Conditions of Approval

1. A pre-construction field meeting may be conducted prior to beginning any dirt work approved under this APD. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved APD(s), project map and BLM Conditions of Approval pertinent to the work that each will be doing.

2. The cuttings trench shall be lined.

3. Cuttings shall not be removed from the location without prior approval of the Authorized Officer.

4. The operator shall on an annual basis report to the BLM the acre feet of water used for the project with a total for each type of source. This report shall contain the information found under monitoring on page 53 of attachment 9 (Biological Opinion) of the WTP ROD and shall be reported to BLM by September 15, of each year.

5. When water is pumped directly from Nine Mile Creek or perennial drainages, the following measures shall be applied to reduce or eliminate direct impacts to habitat for the Colorado River fish species. Where directed by the BLM, the operator will construct erosion control devices (e.g., riprap, bales, and heavy vegetation) at culvert outlets. All construction activities shall be performed to retain natural water flows.

6. BBC shall abide by the goals and objectives set forth in the WTP Field Wide Reclamation and Wildlife Enhancement Plan; and shall conduct interim and final reclamation in accordance with the site-specific reclamation plan.

7. Contact Don Stephens, Natural Resource Specialist, (435) 636-3608, Bureau of Land Management, Price Field Office, if there are any questions concerning these surface use COAs.

## III Standard Conditions of Approval

### A. General

1. If any cultural values [sites, artifacts, human remains] are observed during operation of this lease/permit/right-of-way, they will be left intact and the Price Field Manager notified. The authorized officer will conduct an evaluation of the cultural values to establish appropriate mitigation, salvage or treatment. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized BLM officer (AO).

### B. Construction

1. Remove all available topsoil from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material.
2. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
3. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD.

### C. Operations/Maintenance

1. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.

## D. Dry Hole/Reclamation

1. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice.

2. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.

3. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.

4. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.

## E. Producing Well

1. An interim reclamation plan shall be submitted to BLM within 90 days of APD approval.
2. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
3. Prior to construction of production facilities not specifically addressed in the APD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.

## F. Roads and Pipelines

1. Roads constructed on BLM lands shall be constructed to allow for drainage and erosion control. The operator is responsible for maintenance of all roads authorized through the lease or right-of-way. Construction and maintenance shall comply with Class III Road Standards with a 16-ft wide graveled travel surface as described in BLM Manual Section 9113, and the BLM Gold Book standards, except as modified by BLM. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, and headcut restoration/prevention.
2. The operator may be required to provide an inspector under the direction of a registered professional engineer (PE) at all times during road construction. A PE shall certify (statement with PE stamp) that the road was constructed to the required Bureau of Land Management (BLM) road standards.
3. Erosion-control structures such as water bars, diversion channels, and terraces will be constructed to divert water and reduce soil erosion on the disturbed area. Road ditch turnouts shall be equipped with energy dissipaters as needed to avoid erosion. Where roads interrupt overland sheet-flow and convert this runoff to channel flow, ditch turnouts shall be designed to reconvert channel flow to sheet flow. As necessary cut banks, road drainages, and road crossings shall be armored or otherwise engineered to prevent headcutting.

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

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU73006

## 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:** PRICKLY PEAR

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** PRICKLY PEAR UF 16A-7D-12-15

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43007502300000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** UNDESIGNATED

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1033 FSL 1046 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SESE Section: 07 Township: 12.0S Range: 15.0E Meridian: S

**COUNTY:** CARBON

**STATE:** UTAH

**11.**

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

**TYPE OF SUBMISSION**

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion: 6/21/2012
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

**TYPE OF ACTION**

| | | |
|---|---|---|
| ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: Pit Closure |

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

The pit was closed on the above referenced well location, Prickly Pear SE 7 pad on 6/21/2012.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
June 26, 2012

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Megan Finnegan | 303 299-9949 | Permit Analyst |

| SIGNATURE | DATE |
|---|---|
| N/A | 6/26/2012 |

RECEIVED: Jun. 26, 2012

FORM 9

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-73006

## 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:** PRICKLY PEAR

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** PRICKLY PEAR UF 16A-7D-12-15

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43007502300000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8164 Ext

**9. FIELD and POOL or WILDCAT:** NINE MILE CANYON

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1033 FSL 1046 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SESE Section: 07 Township: 12.0S Range: 15.0E Meridian: S

**COUNTY:** CARBON

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>8/24/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

BBC is requesting that this APD be renewed another year. The Federal permit does not expire until March 2014.

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

**Date:** August 08, 2012

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |

| SIGNATURE | DATE |
|---|---|
| N/A | 8/3/2012 |

RECEIVED: Aug. 03, 2012

## 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 43007502300000

**API:** 43007502300000
**Well Name:** PRICKLY PEAR UF 16A-7D-12-15
**Location:** 1033 FSL 1046 FEL QTR SESE SEC 07 TWNP 120S RNG 150E MER S
**Company Permit Issued to:** BILL BARRETT CORP
**Date Original Permit Issued:** 8/24/2011

**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:** Brady Riley **Date:** 8/3/2012
**Title:** Permit Analyst **Representing:** BILL BARRETT CORP

RECEIVED: Aug. 03, 2012

FORM 9

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-73006

## 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:** PRICKLY PEAR

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** PRICKLY PEAR UF 16A-7D-12-15

**2. NAME OF OPERATOR:** BILL BARRETT CORP

**9. API NUMBER:** 43007502300000

**3. ADDRESS OF OPERATOR:** 1099 18th Street Ste 2300 , Denver, CO, 80202

**PHONE NUMBER:** 303 312-8134 Ext

**9. FIELD and POOL or WILDCAT:** NINE MILE CANYON

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1033 FSL 1046 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SESE Section: 07 Township: 12.0S Range: 15.0E Meridian: S

**COUNTY:** CARBON

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>8/24/2013 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

BBC has federal approval on this well that does not expire until 2015.
Please contact Brady Riley at 303-312-8115 with questions.

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

**Date:** August 01, 2013

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Brady Riley | 303 312-8115 | Permit Analyst |

| SIGNATURE | DATE |
|---|---|
| N/A | 7/31/2013 |

RECEIVED: Jul. 31, 2013

## 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 43007502300000

**API:** 43007502300000
**Well Name:** PRICKLY PEAR UF 16A-7D-12-15
**Location:** 1033 FSL 1046 FEL QTR SESE SEC 07 TWNP 120S RNG 150E MER S
**Company Permit Issued to:** BILL BARRETT CORP
**Date Original Permit Issued:** 8/24/2011

**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:** Brady Riley **Date:** 7/31/2013
**Title:** Permit Analyst **Representing:** BILL BARRETT CORP

RECEIVED: Jul. 31, 2013

FORM 9

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-73006

## 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:** PRICKLY PEAR

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** PRICKLY PEAR UF 16A-7D-12-15

**2. NAME OF OPERATOR:** ENERVEST OPERATING, LLC

**9. API NUMBER:** 43007502300000

**3. ADDRESS OF OPERATOR:** 1001 Fannin Street, Suite 800 , Houston, TX, 77002

**PHONE NUMBER:** 713 659-3500 Ext

**9. FIELD and POOL or WILDCAT:** NINE MILE CANYON

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1033 FSL 1046 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SESE Section: 07 Township: 12.0S Range: 15.0E Meridian: S

**COUNTY:** CARBON

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/15/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

EnerVest Operating, LLC requests a one year drilling permit extension for the referenced well. This is the third extension that has been requested.

Approved by the
July 23, 2014
Utah Division of
Oil, Gas and Mining

Date:

By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Don Hamilton | 435 650-3866 | Permitting Agent |
| **SIGNATURE** N/A | | **DATE** 7/22/2014 |

RECEIVED: Jul. 22, 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 43007502300000

**API:** 43007502300000
**Well Name:** PRICKLY PEAR UF 16A-7D-12-15
**Location:** 1033 FSL 1046 FEL QTR SESE SEC 07 TWNP 120S RNG 150E MER S
**Company Permit Issued to:** ENERVEST OPERATING, LLC
**Date Original Permit Issued:** 8/24/2011

**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:** Don Hamilton **Date:** 7/22/2014
**Title:** Permitting Agent **Representing:** ENERVEST OPERATING, LLC

RECEIVED: Jul. 22, 2014

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

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-73006

## 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:** PRICKLY PEAR

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** PRICKLY PEAR UF 16A-7D-12-15

**2. NAME OF OPERATOR:** ENERVEST OPERATING, LLC

**9. API NUMBER:** 43007502300000

**3. ADDRESS OF OPERATOR:** 1001 Fannin Street, Suite 800 , Houston, TX, 77002

**PHONE NUMBER:** 713 659-3500 Ext

**9. FIELD and POOL or WILDCAT:** NINE MILE CANYON

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 1033 FSL 1046 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SESE Section: 07 Township: 12.0S Range: 15.0E Meridian: S

**COUNTY:** CARBON

**STATE:** UTAH

**11.**

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 4/15/2016 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

EnerVest Operating, LLC requests a one year drilling permit extension for the referenced well. This is the forth extension that has been requested.

Approved by the Utah Division of Oil, Gas and Mining
August 17, 2015
Date:
By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Don Hamilton | 435 650-3866 | Permitting Agent |
| **SIGNATURE** N/A | | **DATE** 8/13/2015 |

RECEIVED: Aug. 13, 2015

## 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 43007502300000

**API:** 43007502300000
**Well Name:** PRICKLY PEAR UF 16A-7D-12-15
**Location:** 1033 FSL 1046 FEL QTR SESE SEC 07 TWNP 120S RNG 150E MER S
**Company Permit Issued to:** ENERVEST OPERATING, LLC
**Date Original Permit Issued:** 8/24/2011

**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:** Don Hamilton **Date:** 8/13/2015
**Title:** Permitting Agent **Representing:** ENERVEST OPERATING, LLC

RECEIVED: Aug. 13, 2015

Diana Mason <dianawhitney@utah.gov>

# RE: Expired APDs

**Star Point Enterprises, Inc.** <starpoint@etv.net> Fri, Aug 12, 2016 at 8:40 AM
To: Diana Mason <dianawhitney@utah.gov>

Diana;

EnerVest Operating, LLC respectfully requests that the following wells be rescinded or allowed to expire. The associated federal permits have or will expire very soon.

| | | | | | |
|---|---|---|---|---|---|
| ENERVEST OPERATING, LLC | 4300750210 | PRICKLY PEAR UF 4-7D-12-15 | DRILL | 07/28/2011 | 07/28/2016 |
| ENERVEST OPERATING, LLC | 4300731440 | PPU FED 11-23D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300731441 | PRICKLY PEAR UF 4-26D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300731442 | PRICKLY PEAR UF 14-23D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300731443 | PPU FED 12-23D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300750225 | PRICKLY PEAR UF 1A-18D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750226 | PRICKLY PEAR UF 2A-18D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750227 | PRICKLY PEAR UF 9A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750228 | PRICKLY PEAR UF 10A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750229 | PRICKLY PEAR UF 15A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750230 | PRICKLY PEAR UF 16A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750233 | PRICKLY PEAR UF 9A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750234 | PRICKLY PEAR UF 10A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750235 | PRICKLY PEAR UF 15A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750236 | PRICKLY PEAR UF 12A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |

| | | | | | |
|---|---|---|---|---|---|
| ENERVEST OPERATING, LLC | 4300750237 | PRICKLY PEAR UF 16A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750238 | PRICKLY PEAR UF 11A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750239 | PRICKLY PEAR UF 13A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750240 | PRICKLY PEAR UF 14A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |

Don Hamilton

-----Original Message-----
From: Diana Mason [mailto:dianawhitney@utah.gov]
Sent: Thursday, August 11, 2016 3:49 PM
To: Star Point <starpoint@etv.net>
Subject: Fwd: Expired APDs

>

> Please check out our website for your expired APDs.

> http://oilgas.ogm.utah.gov/Data_Center/LiveData_Search/APD_Expired_lookup.cfm

>

> NOTICE: Utah oil and gas well drilling permits (APDs) are generally valid for one year. It is the operator's responsibility to monitor permit expiration.

>

> Thank you,

> Diana

>

GARY R. HERBERT
*Governor*

SPENCER J. COX
*Lieutenant Governor*

# State of Utah
**DEPARTMENT OF NATURAL RESOURCES**

MICHAEL R. STYLER
*Executive Director*

**Division of Oil, Gas and Mining**

JOHN R. BAZA
*Division Director*

August 16, 2016

Don Hamilton
Enervest Operating, LLC
1001 Fannin St Ste 800
Houston, TX 77002

Re: APDs Rescinded for Enervest Operating, LLC., Carbon County

Dear Mr. Hamilton:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of July 12, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Price

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

| | |
|---|---|
| 43-007-50210 | PRICKLY PEAR UF 4-7D-12-15 |
| 43-007-31440 | PPU FED 11-23D-12-15 |
| 43-007-31441 | PRICKLY PEAR UF 4-26D-12-15 |
| 43-007-31442 | PRICKLY PEAR UF 14-23D-12-15 |
| 43-007-31443 | PPU FED 12-23D-12-15 |
| 43-007-50225 | PRICKLY PEAR UF 1A-18D-12-15 |
| 43-007-50226 | PRICKLY PEAR UF 2A-18D-12-15 |
| 43-007-50227 | PRICKLY PEAR UF 9A-7D-12-15 |
| 43-007-50228 | PRICKLY PEAR UF 10A-7D-12-15 |
| 43-007-50229 | PRICKLY PEAR UF 15A-7D-12-15 |
| 43-007-50230 | PRICKLY PEAR UF 16A-7D-12-15 |
| 43-007-50233 | PRICKLY PEAR UF 9A-12D-12-14 |
| 43-007-50234 | PRICKLY PEAR UF 10A-12D-12-14 |
| 43-007-50235 | PRICKLY PEAR UF 15A-12D-12-14 |
| 43-007-50236 | PRICKLY PEAR UF 12A-8D-12-15 |
| 43-007-50237 | PRICKLY PEAR UF 16A-12D-12-14 |
| 43-007-50238 | PRICKLY PEAR UF 11A-8D-12-15 |
| 43-007-50239 | PRICKLY PEAR UF 13A-8D-12-15 |
| 43-007-50240 | PRICKLY PEAR UF 14A-8D-12-15 |

GARY R. HERBERT
*Governor*

SPENCER J. COX
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
*Executive Director*

**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

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| 43-007-50239 | PRICKLY PEAR UF 13A-8D-12-15 |
| 43-007-50240 | PRICKLY PEAR UF 14A-8D-12-15 |

Diana Mason <dianawhitney@utah.gov>

# RE: Expired APDs

**Star Point Enterprises, Inc.** <starpoint@etv.net>
To: Diana Mason <dianawhitney@utah.gov>

Fri, Aug 12, 2016 at 8:40 AM

Diana;

EnerVest Operating, LLC respectfully requests that the following wells be rescinded or allowed to expire. The associated federal permits have or will expire very soon.

| | | | | | |
|---|---|---|---|---|---|
| ENERVEST OPERATING, LLC | 4300750210 | PRICKLY PEAR UF 4-7D-12-15 | DRILL | 07/28/2011 | 07/28/2016 |
| ENERVEST OPERATING, LLC | 4300731440 | PPU FED 11-23D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300731441 | PRICKLY PEAR UF 4-26D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300731442 | PRICKLY PEAR UF 14-23D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300731443 | PPU FED 12-23D-12-15 | DRILL | 08/13/2008 | 08/13/2016 |
| ENERVEST OPERATING, LLC | 4300750225 | PRICKLY PEAR UF 1A-18D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750226 | PRICKLY PEAR UF 2A-18D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750227 | PRICKLY PEAR UF 9A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750228 | PRICKLY PEAR UF 10A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750229 | PRICKLY PEAR UF 15A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750230 | PRICKLY PEAR UF 16A-7D-12-15 | DRILL | 08/24/2011 | 08/24/2016 |
| ENERVEST OPERATING, LLC | 4300750233 | PRICKLY PEAR UF 9A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750234 | PRICKLY PEAR UF 10A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750235 | PRICKLY PEAR UF 15A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750236 | PRICKLY PEAR UF 12A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |

| | | | | | |
|---|---|---|---|---|---|
| ENERVEST OPERATING, LLC | 4300750237 | PRICKLY PEAR UF 16A-12D-12-14 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750238 | PRICKLY PEAR UF 11A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750239 | PRICKLY PEAR UF 13A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |
| ENERVEST OPERATING, LLC | 4300750240 | PRICKLY PEAR UF 14A-8D-12-15 | DRILL | 09/08/2011 | 09/08/2016 |

Don Hamilton

----Original Message----
From: Diana Mason [mailto:dianawhitney@utah.gov]
Sent: Thursday, August 11, 2016 3:49 PM
To: Star Point <starpoint@etv.net>
Subject: Fwd: Expired APDs

>

> Please check out our website for your expired APDs.

> http://oilgas.ogm.utah.gov/Data_Center/LiveData_Search/APD_Expired_lookup.cfm

>

> NOTICE: Utah oil and gas well drilling permits (APDs) are generally valid for one year. It is the operator's responsibility to monitor permit expiration.

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> Thank you,

> Diana

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