

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Prickly Pear Unit Fed 9-13D-12-15						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT 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@billbarretcorp.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU74388			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN
LOCATION AT SURFACE		162 FSL 1223 FEL		SESE		13		12.0 S		15.0 E		S
Top of Uppermost Producing Zone		1974 FSL 684 FEL		NESE		13		12.0 S		15.0 E		S
At Total Depth		1969 FSL 679 FEL		NESE		13		12.0 S		15.0 E		S
21. COUNTY CARBON			22. DISTANCE TO NEAREST LEASE LINE (Feet) 679			23. NUMBER OF ACRES IN DRILLING UNIT 40						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 5472			26. PROPOSED DEPTH MD: 8207 TVD: 7660						
27. ELEVATION - GROUND LEVEL 6918			28. BOND NUMBER WYB000040			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Nine Mile Canyon						
<b>Hole, Casing, and Cement Information</b>												
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement			Sacks	Yield	Weight
COND	24	14	0 - 40	65.0	Unknown	8.6	Unknown			0	0.0	0.0
SURF	12.25	9.625	0 - 1000	36.0	J-55 ST&C	8.6	Unknown			170	2.53	12.0
							Unknown			190	1.16	15.8
PROD	8.75	4.5	0 - 8207	11.6	P-110 LT&C	9.5	Halliburton Light , Type Unknown			310	1.96	12.5
							50/50 Poz			1400	1.45	13.4
<b>ATTACHMENTS</b>												
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>												
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Venessa Langmacher				TITLE Senior Permit Analyst				PHONE 303 312-8172				
SIGNATURE				DATE 06/12/2012				EMAIL vlangmacher@billbarretcorp.com				
API NUMBER ASSIGNED 43007503490000				APPROVAL				 Permit Manager				

**DRILLING PROGRAM****BILL BARRETT CORPORATION****Prickly Pear Unit Federal 9-13D-12-15**

SESE, 162' FSL, 1223' FEL, Sec. 13, T12S-R15E (surface hole)

NESE, 1969' FSL, 679' FEL, Sec. 13, 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**

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River	Surface	Surface
Wasatch	3,267.0	2,970.0
North Horn	5,626.7	5,080.0
Dark Canyon	7,269.7	6,723.0
Price River	7,656.7	7,110.0
TD	8,206.7	7,660.0

**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**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1000'	No pressure control required
1000' – TD	11" 3000# Ram Type BOP 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.	

Bill Barrett Corporation  
 Drilling Program  
 Prickly Pear Unit Federal 9-13D-12-15  
 Carbon County, Utah

#### 4. Casing Program

<u>Hole Size</u>	<u>Setting Depth</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>From</u>	<u>To</u>					
24"	Surface	40'	14"	65#			
12 1/4"	Surface	1000'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4" and 7 7/8"	Surface	TD'	4 1/2"	11.6#	P110	LT&C	New

Note: 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	<p><i>Lead</i> with approximately 170 sx Varicem cement + additives mixed at 12.0 ppg (yield = 2.53 ft<sup>3</sup>/sx).</p> <p><i>Tail</i> with approximately and 190 sx Halcem cement with additives mixed at 15.8 ppg (yield = 1.16 ft<sup>3</sup>/sx) circulated to surface with 100% excess.</p>
4 1/2" Production Casing	<p><i>Lead</i> with approximately 310 sx of Halliburton Light Premium cement with additives mixed at 12.5 ppg (yield = 1.96 ft<sup>3</sup>/sx).</p> <p><i>Tail</i> with approximately 1400 sx of 50/50 Poz cement + additives mixed at 13.4 ppg (yield = 1.45 ft<sup>3</sup>/sk), circulated to ~800' with 15% excess.</p>

Note: Actual volumes to be calculated from caliper log.

#### 6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
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.

Bill Barrett Corporation  
Drilling Program  
Prickly Pear Unit Federal 9-13D-12-15  
Carbon County, Utah

**8. Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3784 psi\* and maximum anticipated surface pressure equals approximately 2099 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)

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**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: 9/1/12  
Spud: 4/1/13  
Duration: 10 days drilling time  
15 days completion time

**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)

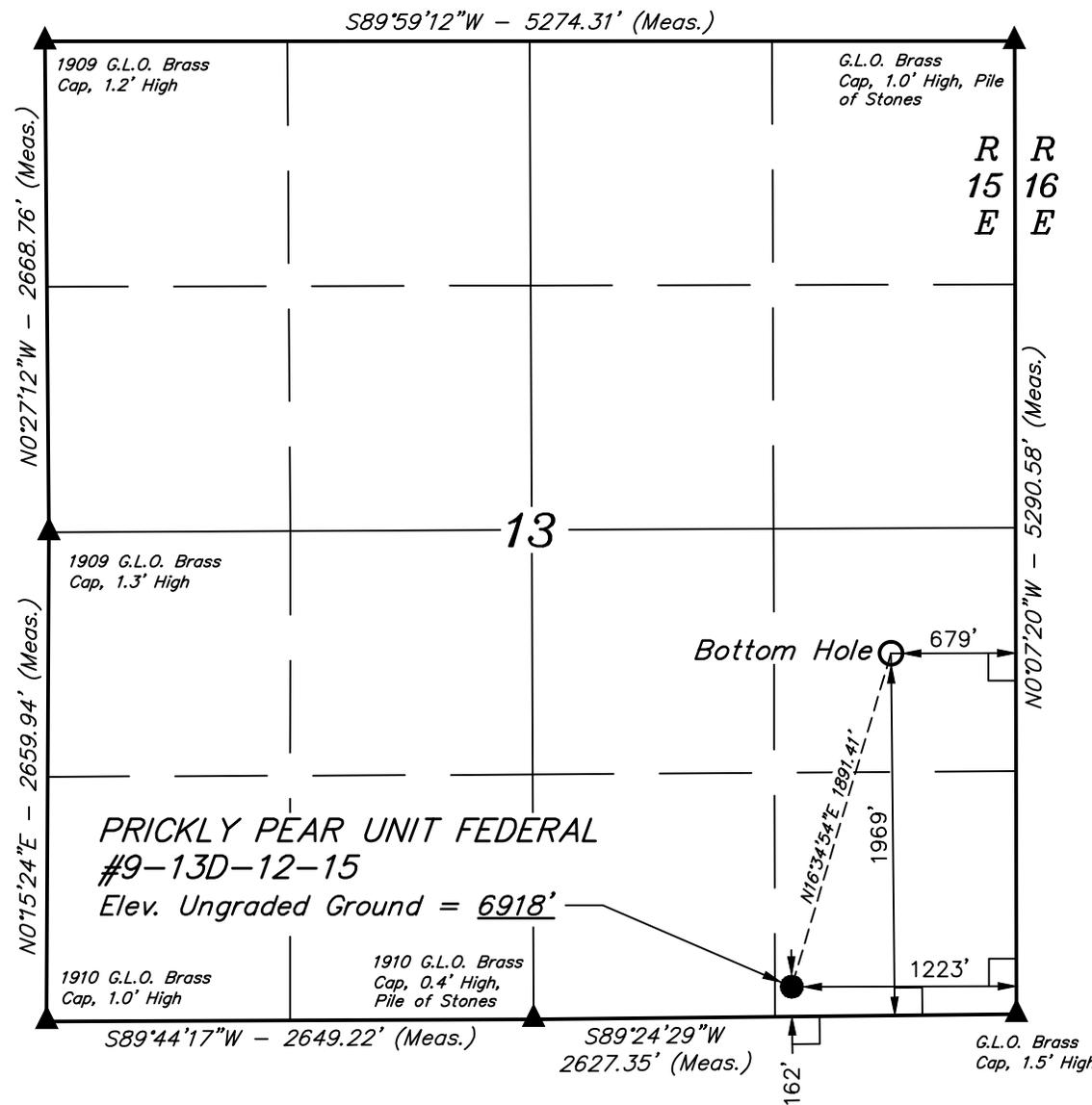
Air drilling operations will be conducted with the purpose of drilling and setting surface casing with a truck mounted air rig, for all Federal wells located at this pad. Surface casing is approximately 1000'. Bill Barrett Corporation will comply with the following surface air drilling operation requirements:

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.

# T12S, R15E, S.L.B.&M.

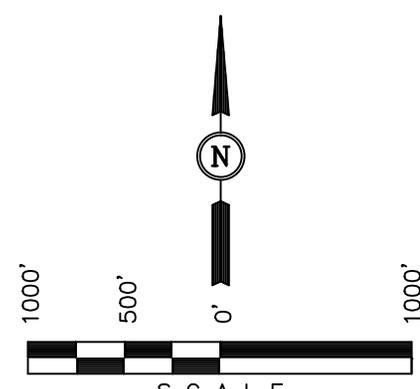
## BILL BARRETT CORPORATION

Well location, PRICKLY PEAR UNIT FEDERAL #9-13D-12-15, located as shown in the SE 1/4 SE 1/4 of Section 13, 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.

*[Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH  
 01-31-12

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 12-21-11	DATE DRAWN: 01-26-12
PARTY B.H. N.F. C.C.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

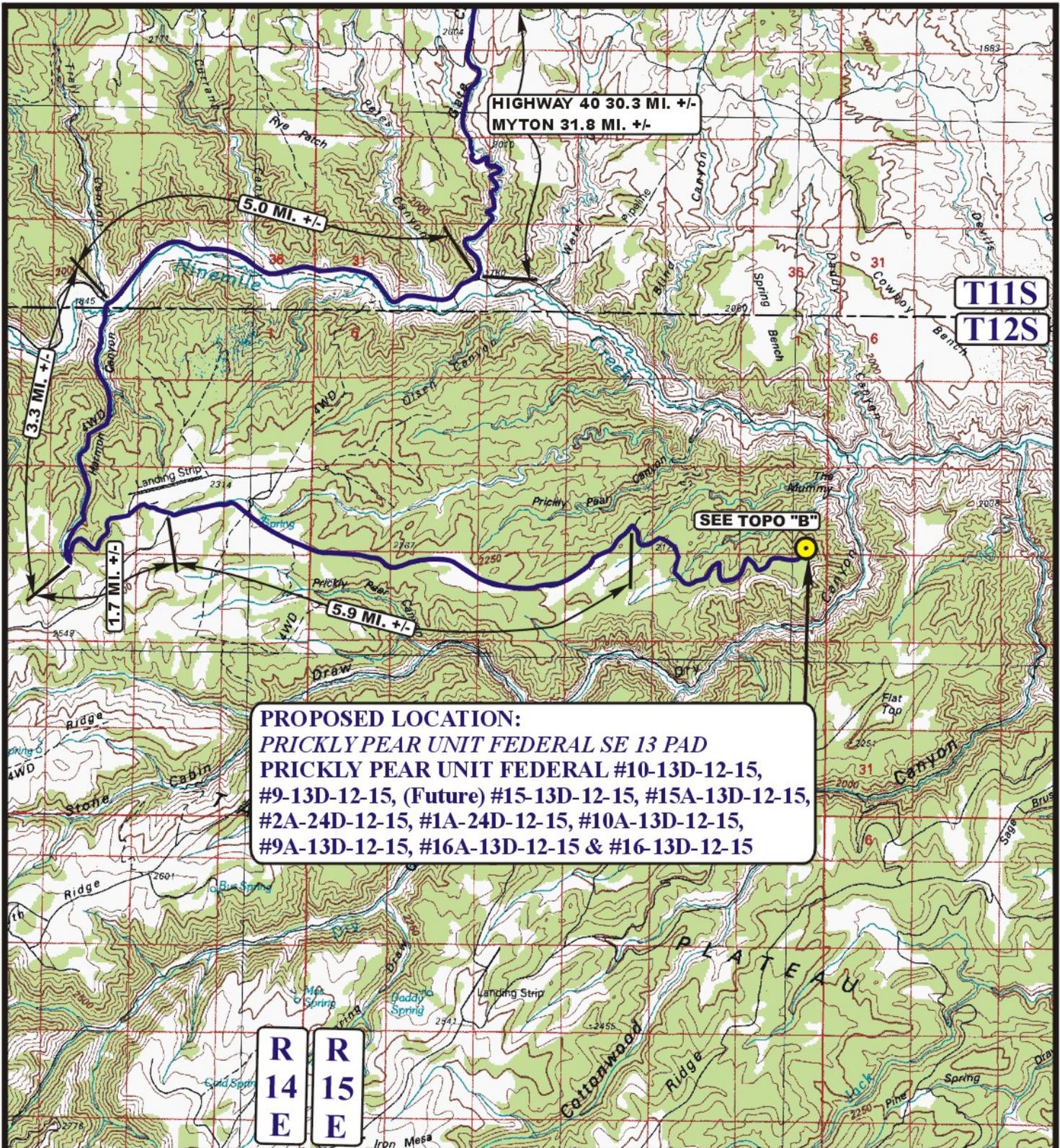
- LEGEND:**
- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE) LATITUDE = 39°46'19.17" (39.771992) LONGITUDE = 110°10'42.87" (110.178575)	NAD 83 (SURFACE LOCATION) LATITUDE = 39°46'01.26" (39.767017) LONGITUDE = 110°10'49.78" (110.180494)
NAD 27 (TARGET BOTTOM HOLE) LATITUDE = 39°46'19.30" (39.772028) LONGITUDE = 110°10'40.31" (110.177865)	NAD 27 (SURFACE LOCATION) LATITUDE = 39°46'01.39" (39.767053) LONGITUDE = 110°10'47.22" (110.179783)
STATE PLANE NAD 27 N: 526755.96 E: 2371600.96	STATE PLANE NAD 27 N: 524936.20 E: 2371088.44

**BILL BARRETT CORPORATION**  
***PRICKLY PEAR UNIT FEDERAL SE 13 PAD***  
**PRICKLY PEAR UNIT FEDERAL #10-13D-12-15,**  
**#9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,**  
**#2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15,**  
**#9A-13D-12-15, #16A-13D-12-15 & #16-13D-12-15**  
**SECTION 13, 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, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 5.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 50' TO THE EXISTING SE 15 PAD AND AN EXISTING ROAD TO THE SOUTH; PROCEED IN A SOUTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 11,030' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 2,342' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.9 MILES.



**PROPOSED LOCATION:**  
 PRICKLY PEAR UNIT FEDERAL SE 13 PAD  
 PRICKLY PEAR UNIT FEDERAL #10-13D-12-15,  
 #9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,  
 #2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15,  
 #9A-13D-12-15, #16A-13D-12-15 & #16-13D-12-15

**LEGEND:**

PROPOSED LOCATION

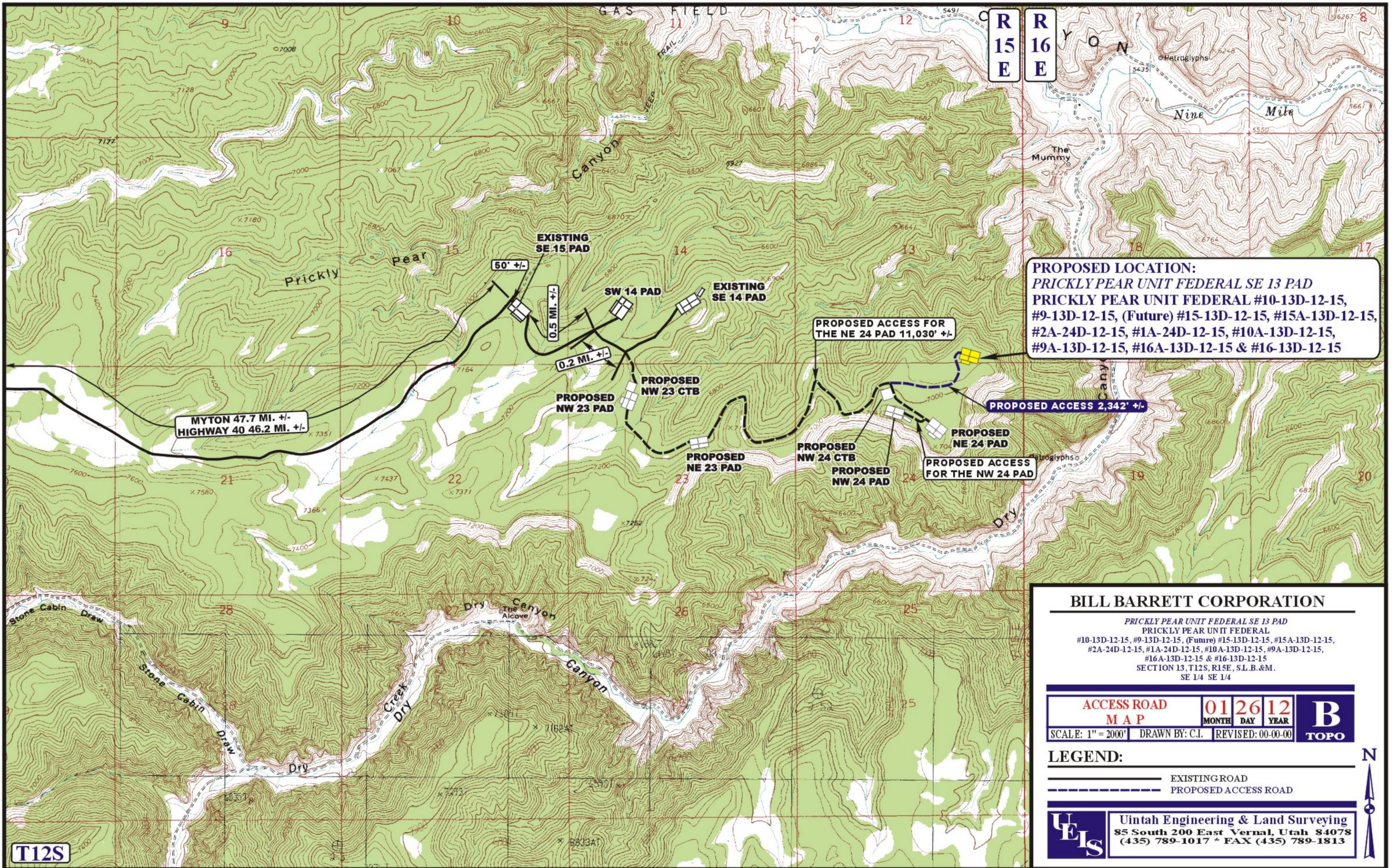


**BILL BARRETT CORPORATION**

PRICKLY PEAR UNIT FEDERAL SE 13 PAD  
 PRICKLY PEAR UNIT FEDERAL  
 #10-13D-12-15, #9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,  
 #2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15, #9A-13D-12-15,  
 #16A-13D-12-15 & #16-13D-12-15  
 SECTION 13, T12S, R15E, S.L.B.&M  
 SE 1/4 SE 1/4

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

**ACCESS ROAD MAP** **01 26 12**  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: C.I. REVISED: 00-00-00 **A TOPO**



**PROPOSED LOCATION:**  
 PRICKLY PEAR UNIT FEDERAL SE 13 PAD  
 PRICKLY PEAR UNIT FEDERAL #10-13D-12-15,  
 #9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,  
 #2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15,  
 #9A-13D-12-15, #16A-13D-12-15 & #16-13D-12-15

**BILL BARRETT CORPORATION**  
 PRICKLY PEAR UNIT FEDERAL SE 13 PAD  
 PRICKLY PEAR UNIT FEDERAL  
 #10-13D-12-15, #9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,  
 #2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15, #9A-13D-12-15,  
 #16A-13D-12-15 & #16-13D-12-15  
 SECTION 13, T12S, R15E, S.L.B.&M.  
 SE 1/4 SE 1/4

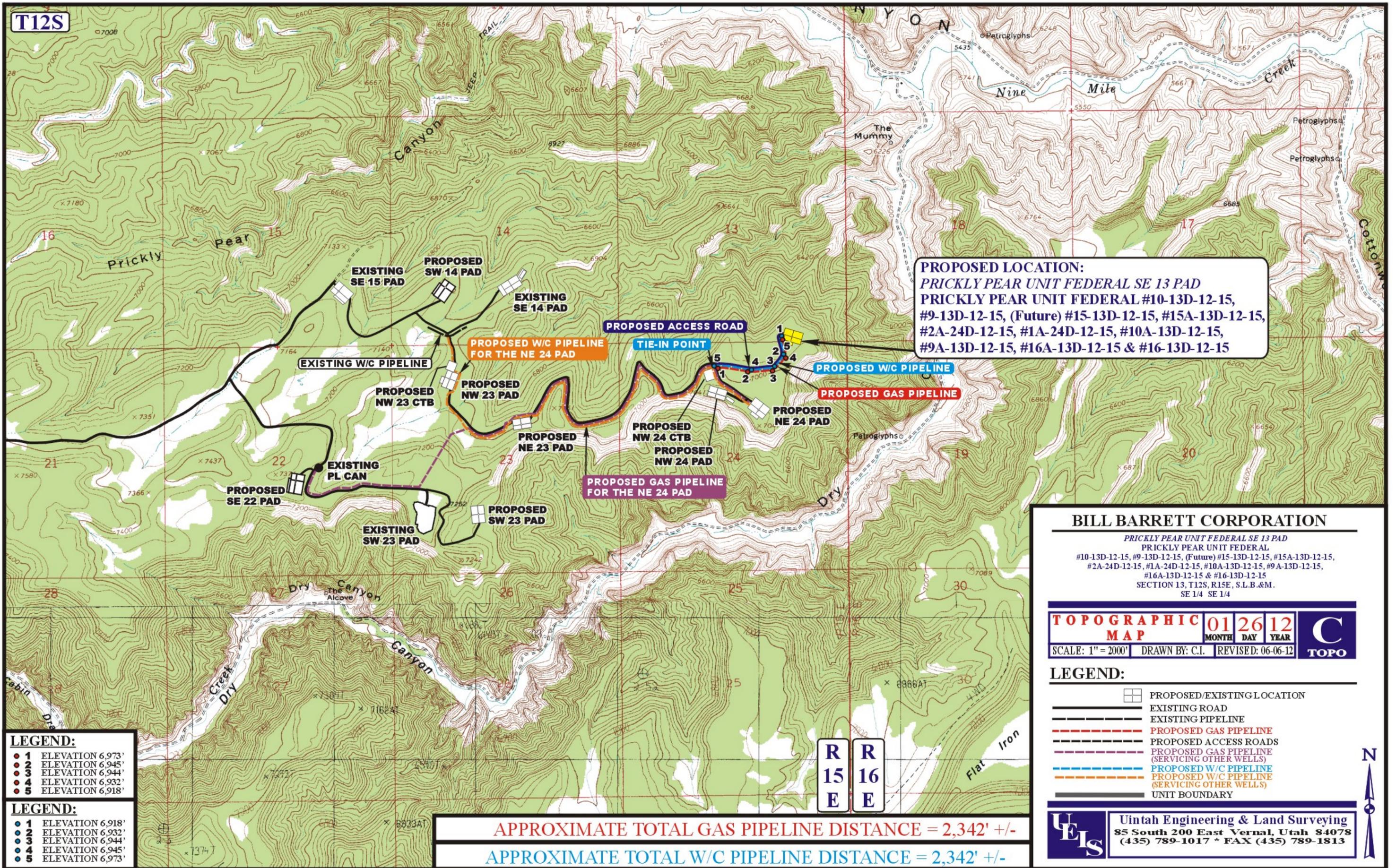
<b>ACCESS ROAD</b>	<b>01 26 12</b>	<b>B</b>
<b>MAP</b>	<b>MONTH DAY YEAR</b>	
SCALE: 1" = 2000'	DRAWN BY: C.J.	REVISED: 00-00-00

**LEGEND:**  
 ————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

**U&L S** Uintah Engineering & Land Surveying  
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**T12S**



**PROPOSED LOCATION:**  
 PRICKLY PEAR UNIT FEDERAL SE 13 PAD  
 PRICKLY PEAR UNIT FEDERAL #10-13D-12-15,  
 #9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,  
 #2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15,  
 #9A-13D-12-15, #16A-13D-12-15 & #16-13D-12-15

**LEGEND:**  
 ● 1 ELEVATION 6,973'  
 ● 2 ELEVATION 6,945'  
 ● 3 ELEVATION 6,944'  
 ● 4 ELEVATION 6,932'  
 ● 5 ELEVATION 6,918'

**LEGEND:**  
 ● 1 ELEVATION 6,918'  
 ● 2 ELEVATION 6,932'  
 ● 3 ELEVATION 6,944'  
 ● 4 ELEVATION 6,945'  
 ● 5 ELEVATION 6,973'

**BILL BARRETT CORPORATION**  
 PRICKLY PEAR UNIT FEDERAL SE 13 PAD  
 PRICKLY PEAR UNIT FEDERAL  
 #10-13D-12-15, #9-13D-12-15, (Future) #15-13D-12-15, #15A-13D-12-15,  
 #2A-24D-12-15, #1A-24D-12-15, #10A-13D-12-15, #9A-13D-12-15,  
 #16A-13D-12-15 & #16-13D-12-15  
 SECTION 13, T12S, R15E, S.L.B.&M.  
 SE 1/4 SE 1/4

**TOPOGRAPHIC MAP** 01 26 12  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 06-06-12

**LEGEND:**  
 □ PROPOSED/EXISTING LOCATION  
 — EXISTING ROAD  
 — EXISTING PIPELINE  
 - - - PROPOSED GAS PIPELINE  
 - - - PROPOSED ACCESS ROADS  
 - - - PROPOSED GAS PIPELINE (SERVICING OTHER WELLS)  
 - - - PROPOSED W/C PIPELINE  
 - - - PROPOSED W/C PIPELINE (SERVICING OTHER WELLS)  
 — UNIT BOUNDARY

R 15 E R 16 E

**APPROXIMATE TOTAL GAS PIPELINE DISTANCE = 2,342' +/-**  
**APPROXIMATE TOTAL W/C PIPELINE DISTANCE = 2,342' +/-**

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

# **BILL BARRETT CORP**

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

**PR PR SE 13 PAD**

**Prickly Pear #9-13D-12-15**

**Wellbore #1**

**Plan: Design #1 JO**

## **Standard Planning Report**

**01 May, 2012**

**Bill Barrett Corp**  
Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Prickly Pear #9-13D-12-15
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Project:</b>	CARBON COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Site:</b>	PR PR SE 13 PAD	<b>North Reference:</b>	True
<b>Well:</b>	Prickly Pear #9-13D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1 JO		

<b>Project</b>	CARBON COUNTY, UT (NAD 27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Ground Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		Using geodetic scale factor

<b>Site</b>	PR PR SE 13 PAD				
<b>Site Position:</b>		<b>Northing:</b>	524,936.37 ft	<b>Latitude:</b>	39° 46' 1.391 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,371,088.70 ft	<b>Longitude:</b>	110° 10' 47.219 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.85 °

<b>Well</b>	Prickly Pear #9-13D-12-15					
<b>Well Position</b>	<b>+N-S</b>	0.0 ft	<b>Northing:</b>	524,936.36 ft	<b>Latitude:</b>	39° 46' 1.391 N
	<b>+E-W</b>	0.0 ft	<b>Easting:</b>	2,371,088.70 ft	<b>Longitude:</b>	110° 10' 47.219 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,916.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/1/2012	11.20	65.52	52,003

<b>Design</b>	Design #1 JO				
<b>Audit Notes:</b>					
<b>Version:</b>	1	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	16.57	

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,678.8	41.97	16.57	2,532.6	563.4	167.6	2.50	2.50	0.00	16.57	
3,528.3	41.97	16.57	3,164.2	1,107.9	329.6	0.00	0.00	0.00	0.00	
5,626.7	0.00	0.00	5,080.0	1,812.2	539.2	2.00	-2.00	0.00	180.00	
8,206.7	0.00	0.00	7,660.0	1,812.2	539.2	0.00	0.00	0.00	0.00	PR PR #9-13D

**Bill Barrett Corp**  
 Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Prickly Pear #9-13D-12-15
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Project:</b>	CARBON COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Site:</b>	PR PR SE 13 PAD	<b>North Reference:</b>	True
<b>Well:</b>	Prickly Pear #9-13D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1 JO		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	2.50	16.57	1,100.0	2.1	0.6	2.2	2.50	2.50	0.00
1,200.0	5.00	16.57	1,199.7	8.4	2.5	8.7	2.50	2.50	0.00
1,300.0	7.50	16.57	1,299.1	18.8	5.6	19.6	2.50	2.50	0.00
1,400.0	10.00	16.57	1,398.0	33.4	9.9	34.8	2.50	2.50	0.00
1,500.0	12.50	16.57	1,496.0	52.1	15.5	54.3	2.50	2.50	0.00
1,600.0	15.00	16.57	1,593.2	74.8	22.3	78.1	2.50	2.50	0.00
1,700.0	17.50	16.57	1,689.2	101.7	30.2	106.1	2.50	2.50	0.00
1,800.0	20.00	16.57	1,783.9	132.5	39.4	138.2	2.50	2.50	0.00
1,900.0	22.50	16.57	1,877.0	167.2	49.7	174.5	2.50	2.50	0.00
2,000.0	25.00	16.57	1,968.6	205.8	61.2	214.7	2.50	2.50	0.00
2,100.0	27.50	16.57	2,058.3	248.2	73.8	259.0	2.50	2.50	0.00
2,200.0	30.00	16.57	2,145.9	294.3	87.6	307.0	2.50	2.50	0.00
2,300.0	32.50	16.57	2,231.4	344.0	102.3	358.9	2.50	2.50	0.00
2,400.0	35.00	16.57	2,314.5	397.3	118.2	414.5	2.50	2.50	0.00
2,500.0	37.50	16.57	2,395.2	453.9	135.0	473.6	2.50	2.50	0.00
2,600.0	40.00	16.57	2,473.2	513.9	152.9	536.2	2.50	2.50	0.00
2,678.8	41.97	16.57	2,532.6	563.4	167.6	587.8	2.50	2.50	0.00
2,700.0	41.97	16.57	2,548.4	577.0	171.7	602.0	0.00	0.00	0.00
2,800.0	41.97	16.57	2,622.8	641.1	190.7	668.9	0.00	0.00	0.00
2,900.0	41.97	16.57	2,697.1	705.2	209.8	735.8	0.00	0.00	0.00
3,000.0	41.97	16.57	2,771.5	769.3	228.9	802.7	0.00	0.00	0.00
3,100.0	41.97	16.57	2,845.8	833.4	248.0	869.5	0.00	0.00	0.00
3,200.0	41.97	16.57	2,920.2	897.5	267.0	936.4	0.00	0.00	0.00
3,267.0	41.97	16.57	2,970.0	940.5	279.8	981.2	0.00	0.00	0.00
<b>Wasatch</b>									
3,300.0	41.97	16.57	2,994.5	961.6	286.1	1,003.3	0.00	0.00	0.00
3,400.0	41.97	16.57	3,068.9	1,025.7	305.2	1,070.2	0.00	0.00	0.00
3,500.0	41.97	16.57	3,143.2	1,089.8	324.2	1,137.0	0.00	0.00	0.00
3,528.3	41.97	16.57	3,164.2	1,107.9	329.6	1,155.9	0.00	0.00	0.00
3,600.0	40.53	16.57	3,218.2	1,153.3	343.1	1,203.2	2.00	-2.00	0.00
3,700.0	38.53	16.57	3,295.3	1,214.3	361.3	1,266.9	2.00	-2.00	0.00
3,800.0	36.53	16.57	3,374.6	1,272.7	378.6	1,327.8	2.00	-2.00	0.00
3,900.0	34.53	16.57	3,455.9	1,328.4	395.2	1,385.9	2.00	-2.00	0.00
4,000.0	32.53	16.57	3,539.3	1,381.3	411.0	1,441.2	2.00	-2.00	0.00
4,100.0	30.53	16.57	3,624.5	1,431.4	425.9	1,493.5	2.00	-2.00	0.00
4,200.0	28.53	16.57	3,711.5	1,478.7	439.9	1,542.7	2.00	-2.00	0.00
4,300.0	26.53	16.57	3,800.2	1,523.0	453.1	1,589.0	2.00	-2.00	0.00
4,400.0	24.53	16.57	3,890.4	1,564.3	465.4	1,632.1	2.00	-2.00	0.00
4,500.0	22.53	16.57	3,982.1	1,602.6	476.8	1,672.0	2.00	-2.00	0.00
4,600.0	20.53	16.57	4,075.1	1,637.8	487.2	1,708.7	2.00	-2.00	0.00
4,700.0	18.53	16.57	4,169.4	1,669.8	496.8	1,742.1	2.00	-2.00	0.00
4,800.0	16.53	16.57	4,264.7	1,698.7	505.4	1,772.3	2.00	-2.00	0.00
4,900.0	14.53	16.57	4,361.0	1,724.4	513.0	1,799.0	2.00	-2.00	0.00

## Bill Barrett Corp

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Prickly Pear #9-13D-12-15
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Project:</b>	CARBON COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Site:</b>	PR PR SE 13 PAD	<b>North Reference:</b>	True
<b>Well:</b>	Prickly Pear #9-13D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1 JO		

## 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)
5,000.0	12.53	16.57	4,458.3	1,746.8	519.7	1,822.5	2.00	-2.00	0.00
5,100.0	10.53	16.57	4,556.2	1,766.0	525.4	1,842.4	2.00	-2.00	0.00
5,200.0	8.53	16.57	4,654.9	1,781.8	530.1	1,859.0	2.00	-2.00	0.00
5,300.0	6.53	16.57	4,754.0	1,794.4	533.8	1,872.1	2.00	-2.00	0.00
5,400.0	4.53	16.57	4,853.5	1,803.6	536.6	1,881.8	2.00	-2.00	0.00
5,500.0	2.53	16.57	4,953.3	1,809.5	538.4	1,887.9	2.00	-2.00	0.00
5,600.0	0.53	16.57	5,053.3	1,812.1	539.1	1,890.6	2.00	-2.00	0.00
5,626.7	0.00	0.00	5,080.0	1,812.2	539.2	1,890.7	2.00	-2.00	0.00
<b>North Horn</b>									
5,700.0	0.00	0.00	5,153.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,253.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,353.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,453.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,100.0	0.00	0.00	5,553.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,200.0	0.00	0.00	5,653.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,300.0	0.00	0.00	5,753.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,400.0	0.00	0.00	5,853.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,500.0	0.00	0.00	5,953.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,053.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,153.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,253.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,353.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,453.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,100.0	0.00	0.00	6,553.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,200.0	0.00	0.00	6,653.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,269.7	0.00	0.00	6,723.0	1,812.2	539.2	1,890.7	0.00	0.00	0.00
<b>Dark Canyon</b>									
7,300.0	0.00	0.00	6,753.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,400.0	0.00	0.00	6,853.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,500.0	0.00	0.00	6,953.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,053.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,656.7	0.00	0.00	7,110.0	1,812.2	539.2	1,890.7	0.00	0.00	0.00
<b>Price River</b>									
7,700.0	0.00	0.00	7,153.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,253.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,353.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
7,906.7	0.00	0.00	7,360.0	1,812.2	539.2	1,890.7	0.00	0.00	0.00
<b>Price River 6840 Sand</b>									
7,956.7	0.00	0.00	7,410.0	1,812.2	539.2	1,890.7	0.00	0.00	0.00
<b>Price River 6840 Base</b>									
8,000.0	0.00	0.00	7,453.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
8,100.0	0.00	0.00	7,553.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
8,200.0	0.00	0.00	7,653.3	1,812.2	539.2	1,890.7	0.00	0.00	0.00
8,206.7	0.00	0.00	7,660.0	1,812.2	539.2	1,890.7	0.00	0.00	0.00
<b>TD - PR PR #9-13D</b>									

**Bill Barrett Corp**

## Planning Report

<b>Database:</b>	Compass	<b>Local Co-ordinate Reference:</b>	Well Prickly Pear #9-13D-12-15
<b>Company:</b>	BILL BARRETT CORP	<b>TVD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Project:</b>	CARBON COUNTY, UT (NAD 27)	<b>MD Reference:</b>	KB @ 6938.0ft (Original Well Elev)
<b>Site:</b>	PR PR SE 13 PAD	<b>North Reference:</b>	True
<b>Well:</b>	Prickly Pear #9-13D-12-15	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1 JO		

**Formations**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,267.0	2,970.0	Wasatch		0.00	
5,626.7	5,080.0	North Horn		0.00	
7,269.7	6,723.0	Dark Canyon		0.00	
7,656.7	7,110.0	Price River		0.00	
7,906.7	7,360.0	Price River 6840 Sand		0.00	
7,956.7	7,410.0	Price River 6840 Base		0.00	
8,206.7	7,660.0	TD		0.00	

WELL DETAILS: Prickly Pear #9-13D-12-15

			Ground Level:	6916.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.0	0.0	524936.36	2371088.70	39° 46' 1.391 N	110° 10' 47.219 W		

SECTION DETAILS

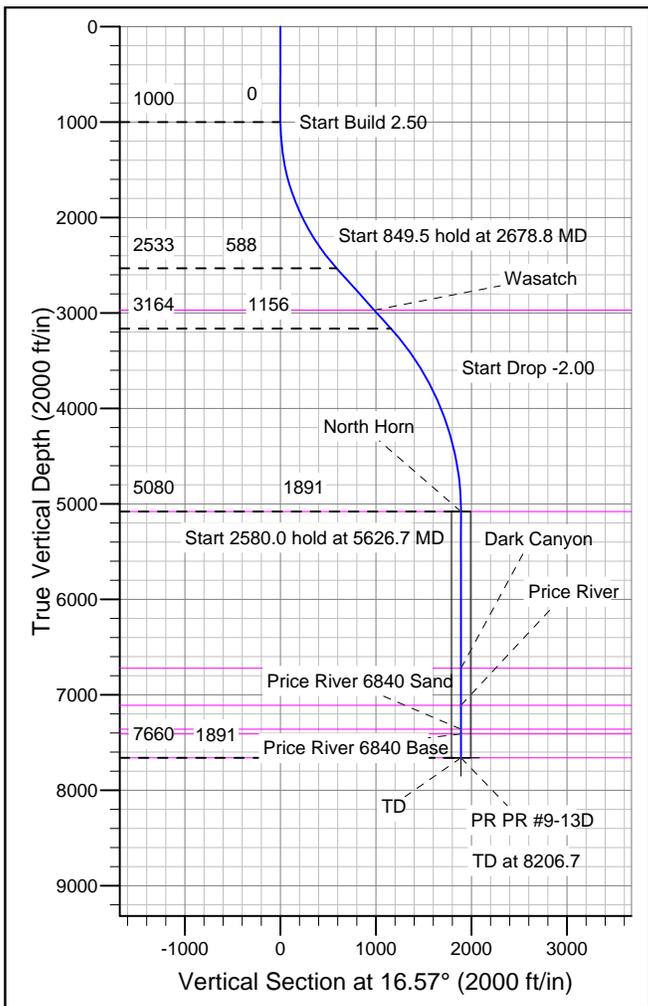
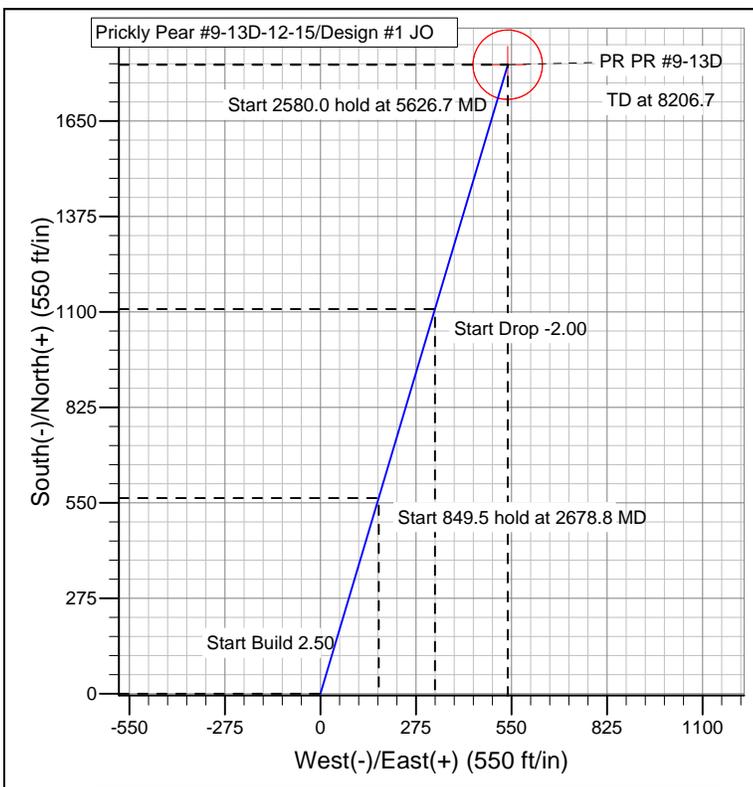
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	2678.8	41.97	16.57	2532.6	563.4	167.6	2.50	16.57	587.8	
4	3528.3	41.97	16.57	3164.2	1107.9	329.6	0.00	0.00	1155.9	
5	5626.7	0.00	0.00	5080.0	1812.2	539.2	2.00	180.00	1890.7	
6	8206.7	0.00	0.00	7660.0	1812.2	539.2	0.00	0.00	1890.7	PR PR #9-13D

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PR PR #9-13D	7660.0	1812.2	539.2	Circle (Radius: 100.0)



Azimuths to True North  
Magnetic North: 11.20°  
  
Magnetic Field  
Strength: 52003.0snT  
Dip Angle: 65.52°  
Date: 5/1/2012  
Model: IGRF2010



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2970.0	3267.0	Wasatch
5080.0	5626.7	North Horn
6723.0	7269.7	Dark Canyon
7110.0	7656.7	Price River
7360.0	7906.7	Price River 6840 Sand
7410.0	7956.7	Price River 6840 Base
7660.0	8206.7	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Prickly Pear #9-13D-12-15, True North  
Vertical (TVD) Reference: KB @ 6938.0ft (Original Well Elev)  
Section (VS) Reference: Slot - (0.0N, 0.0E)  
Measured Depth Reference: KB @ 6938.0ft (Original Well Elev)  
Calculation Method: Minimum Curvature

**SURFACE USE PLAN**

BILL BARRETT CORPORATION  
**Prickly Pear Unit Federal SE Sec. 13-12-15 Pad SUP**  
**Carbon County, UT**

**Prickly Pear Unit Federal 9-13D-12-15**  
SESE, 162' FSL, 1223' FEL, Sec. 13, T12S-R15E (surface hole)  
NESE, 1969' FSL, 679' FEL, Sec. 13, T12S-R15E (bottom hole)

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**This is a new pad with a total of TEN directional wells proposed to be drilled in two phases; one in the first phase, the remaining will be drilled in phase two. The onsite for this pad took place on 5/3/12.**

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 proposed pad is located approximately 50.9 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. No topsoil stripping would occur as there are no improvements proposed to existing State, County or main BLM access roads.
- d. 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.
- e. 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.
- f. 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. All new construction would be within the Unit.

2. Planned Access Road:

- a. From the existing Prickly Pear road, BBC would turn southeast on to the existing access road that leads to the Prickly Pear SE 14 pad (Sec. 14, T12S-R15E) and instead continue south then east to the NE 24 pad, but instead of turning south to the NE 24 pad in section 24, continue heading east on the new proposed access road for approximately 2,342 feet of which is new road for the SE 13

Bill Barrett Corporation  
 Surface Use Plan  
 Prickly Pear SE 13-12-15 Pad  
 Carbon County, Utah

pad (see Topographic Map B) within the Prickly Pear Unit. A road design plan is not anticipated at this time.

- b. Please see 4.g. for co-located pipeline details.
- c. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- d. Intervisible turnouts would be constructed, where necessary and as topographic conditions allow, in order to improve traffic safety. A maximum grade of 10 percent would be maintained with minimum cuts and fills, as necessary, to access the well pad.
- e. New road construction and improvements of existing roads would typically require the use of motorgraders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private, State of Utah, or federal lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Adequate drainage structures would be incorporated and culverts, with a minimum diameter of 18 inches, would be installed as necessary.
- i. No gates or cattle guards are anticipated at this time.
- j. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- k. All access roads and surface disturbing activities would conform to the appropriate standard, no higher than necessary, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007. BBC would be responsible for all maintenance of the access road.

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 none

Bill Barrett Corporation  
 Surface Use Plan  
 Prickly Pear SE 13-12-15 Pad  
 Carbon County, Utah

vii. abandoned wells

none

4. Location of Production Facilities:

- a. Each proposed well would have its own meter run and separator. Proposed wellheads and christmas trees **may be** contained below location grade in pre-cast concrete trenches. All wellheads associated with the drilling operations for this pad may be contained in the same trench measuring approximately 26 ft wide, 10 ft deep, and 64 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 would be located on a centralized tank battery facilities (CTBs) located in the NENW of Sec 24, T12S-R15E and from there, liquids would be pumped on to the NW 23 CTB, located in the NENW, Sec. 23, T12S-R15E and from there on to the existing Prickly Pear 3-22 well pad in the NENW, Sec. 22, T12S-R15E within the Prickly Pear unit and trucked from that location. Up to twelve tanks (combination of eight 625-bbl tanks and four 400-bbl tanks) are located on the 3-22 CTB. Surface facilities on each of the NW 24 and NW 23 CTBs, permitted with the Prickly Pear NE 24 pad, for wells associated with this pad would consist of up to six 13'6" x 20' 500 BBL tanks production and one 13'6" x 20' 500 BBL test tank and one 300 BBL BD tank per CTB location. Surface facilities on the SE 13 pad would consist of up to three separators (one six pack 750 BTU and two four pack 750 BTU), one 300 BBL low profile blow down tank and one test tank, one line heater, multiple chemical tanks, two glycol solar pumps, multiple chemical solar pumps, multiple 500gl methanol tanks and solar pumps, and a possible gas lift compressor measuring 20'x8'4". As the proposed wells are outside the Participating Area (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 on the 3-22 CTB. Figure 4 reflects the facility plans for the pad.
- c. CTBs would be 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 would be 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 (75 horsepower or less), natural gas-fired internal combustion engines.
- e. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would 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 and any variances would be included with this submittal or submitted via sundry notice.
- f. A combustor exists on the Prickly Pear 3-22 well pad/CTB and one is planned for on this pad. A combustor ranges from 24 inches to 48 inches wide and is approximately 10 ft -27 ft tall. Combustor placement would be on existing disturbance and would not be closer than 100 ft to any tank or wellhead(s).
- g. The new proposed access road would be co-located by water/ condensate and gas pipeline(s) for approximately 2,342 feet. The requested corridor disturbance for the co-located road and pipelines would be 100 feet with a short-term corridor disturbance of 80 feet reclaimed to a long-term corridor of 30 feet.

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear SE 13-12-15 Pad  
Carbon County, Utah

- h. The proposed new gas pipeline would be constructed of steel while the liquids lines would be constructed of steel, polyethylene, or fiberglass. The gas pipeline and liquids line would be buried, where soil conditions permit, within the proposed co-located access road and pipeline corridor.
  - i. Although BBC intends on burying the new proposed pipelines, burial of pipelines would depend upon the site-specific topographic and soil conditions and operational requirements. If bedrock was encountered, BBC would contact the Authorized Officer at the time of construction to discuss further.
  - j. BBC intends on stringing the pipeline on the surface, welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. The welded joints would either remain on the surface or would be placed within the trench, depending on the scenario. BBC intends on connecting the pipeline together utilizing conventional welding technology.
  - k. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
  - l. To limit erosion potential, backfill over pipeline trenches would be compacted so as not to extend above the original ground level after the fill has settled. Wheel or other methods of compacting backfill would be utilized as practicably feasible to reduce trench settling and water channeling.
  - m. 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.
  - n. 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.
  - o. 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 90-1866, expires December 31, 2020
    - Application Number 90-1876, expires May 24, 2013
    - Application Number 90-1875, expires May 24, 2013
    - Application Number 90-1870, expires October 12, 2012
    - Application Number 90-1874, expires January 5, 2013
    - Application Number 90-4, expires December 31, 2015
    - Application Number 90-5, expires January 31, 2018
  - 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:

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Surface Use Plan  
Prickly Pear SE 13-12-15 Pad  
Carbon County, Utah

- 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 would be stored on location in either secured piles or in the 200 ft x 70 ft cuttings trench.
- 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.

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 Surface Use Plan  
 Prickly Pear SE 13-12-15 Pad  
 Carbon County, Utah

- 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<sub>2</sub> 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. Ancillary Facilities:
- a. Garbage containers and portable toilets would be located on the well pad.

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear SE 13-12-15 Pad  
Carbon County, Utah

- 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 pad has been staked at its maximum size of 428 x 285 ft with a 200 ft x 70 ft cuttings trench/reserve pit/completion pit outboard of the pad. The location layout and cross section diagrams are enclosed. For disturbance totals, see 12.d below.
- 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 may 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. Construction of the well pad would take from 1 to 3 weeks depending on the features at the particular site.
- i. Dust suppression may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

Interim Reclamation

- 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.

Bill Barrett Corporation  
Surface Use Plan  
Prickly Pear SE 13-12-15 Pad  
Carbon County, Utah

- 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.
- k. BBC will follow their field wide reclamation plan and the site specific plans will be submitted within 90 days of APD approval in a sundry to the appropriate field office.

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 –

Bill Barrett Corporation  
 Surface Use Plan  
 Prickly Pear SE 13-12-15 Pad  
 Carbon County, Utah

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 a cultural resource inventory for this pad/CTB, access and pipeline under MOAC 11-362, dated 12/15/2011.
- 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;
  - No alcohol 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 disturbances are within the Prickly Pear unit: Surface and bottom hole disturbances occur on lease UTU-74388 and UTU-73896.

	Short Term	Long Term
Proposed Estimated Pad Disturbance	5.551	1.617
Proposed Estimated Co-Located Road/PL Disturbance	4.301	1.613
<b>Total Proposed Estimated</b>	<b>9.85 Acres</b>	<b>3.23 Acres</b>

OPERATOR CERTIFICATION

## Certification:

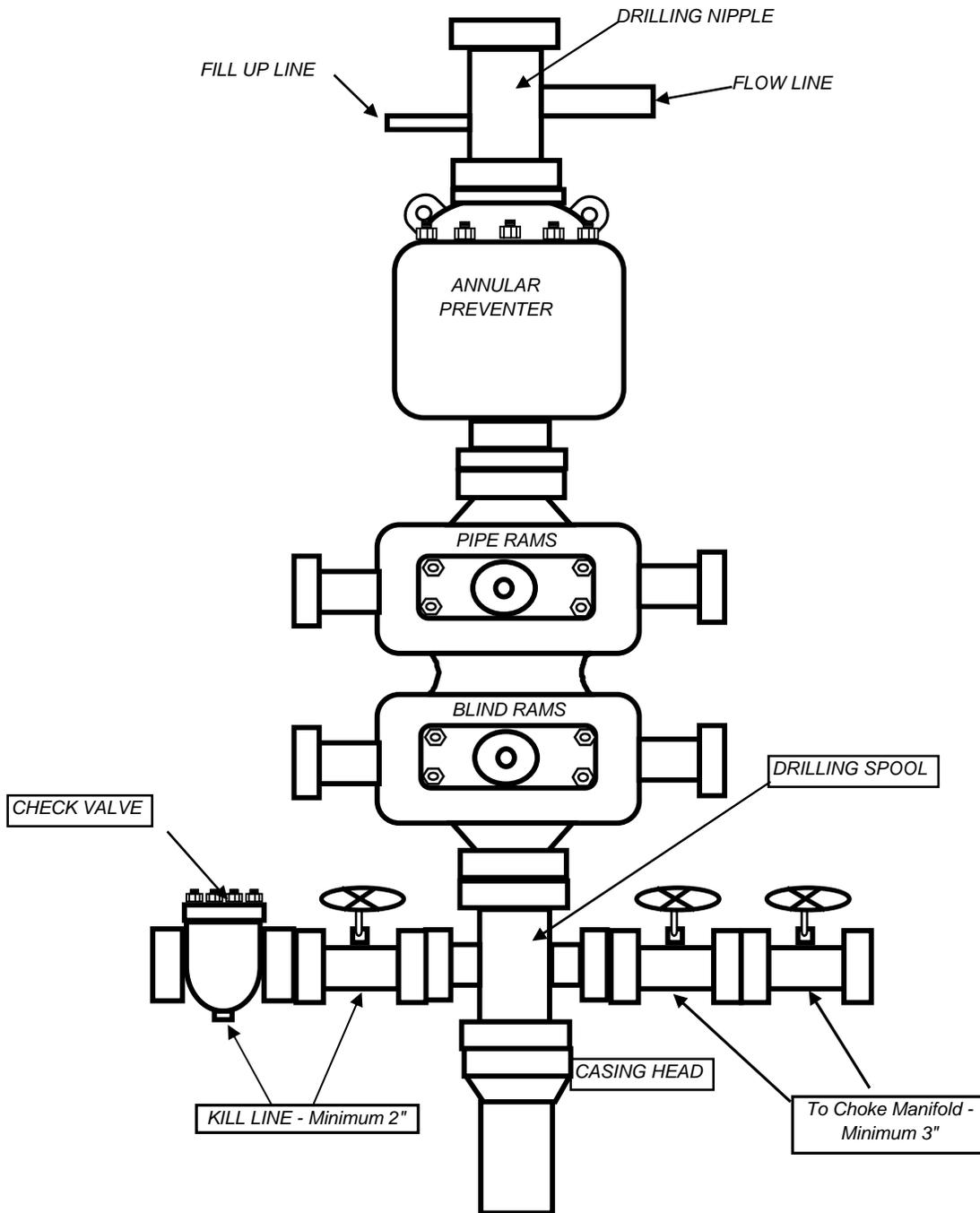
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made 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 11<sup>th</sup> day of June 2012  
 Name: Brady Riley  
 Position Title: Permit Analyst  
 Address: 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202  
 Telephone: 303-312-8115  
 Field Representative Danny Rasmussen  
 Address: 1820 W. Hwy 40, Roosevelt, UT 84066  
 Telephone: 435-724-6999  
 E-mail: drasmussen@billbarretcorp.com

Brady Riley, Permit Analyst  
 Brady Riley, Permit Analyst  
 by VF

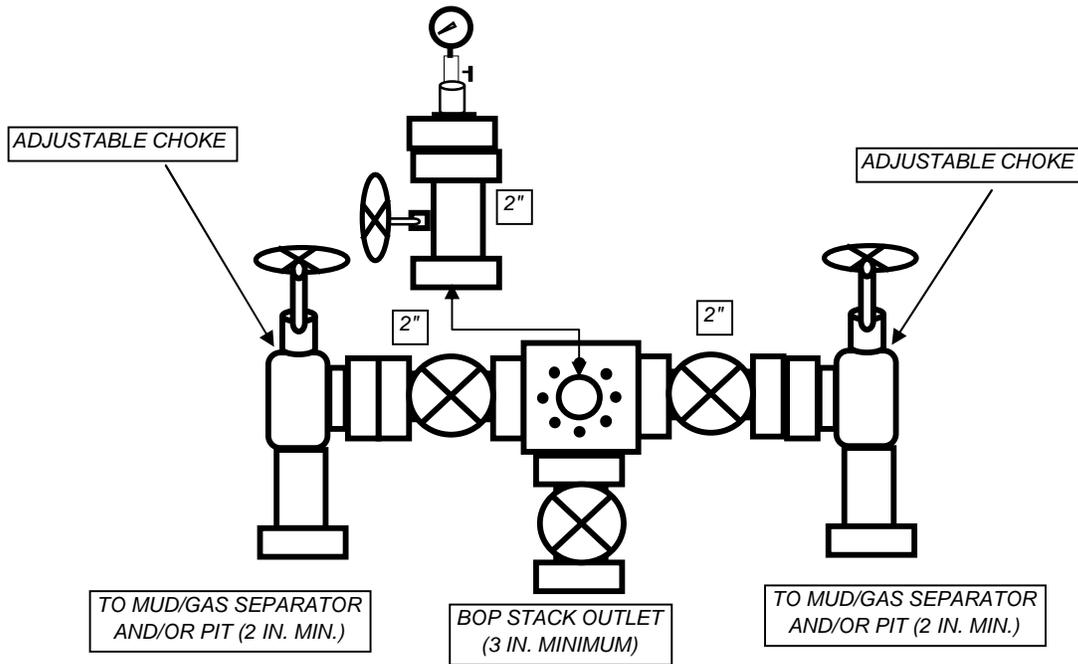
# BILL BARRETT CORPORATION

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



# BILL BARRETT CORPORATION

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





May 8, 2012

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 #9-13D-12-15  
SHL: 162' FSL & 1223' FEL, SESE 13-T12S-R15E  
BHL: 1969' FSL & 679' FEL, NESE 13-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,

A handwritten signature in black ink that reads 'Vicki Wambolt' with a stylized 'BW' monogram to the right.

Vicki Wambolt  
Landman

# BILL BARRETT CORPORATION

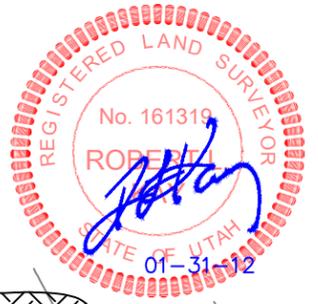
## LOCATION LAYOUT FOR

### PRICKLY PEAR UNIT FEDERAL SE 13 PAD

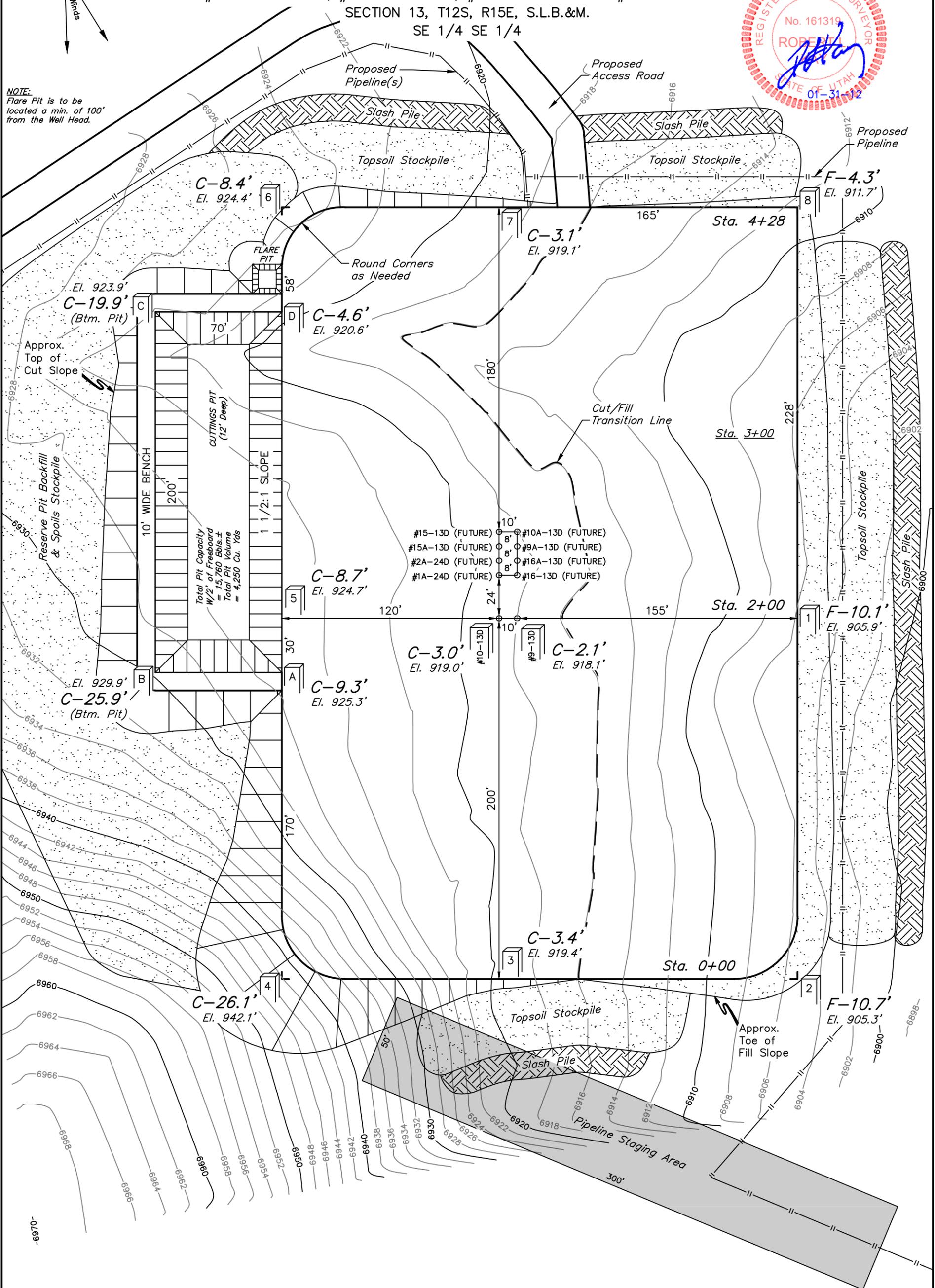
PRICKLY PEAR UNIT FEDERAL #10-13D-12-15, #9-13D-12-15, (Future)  
#15-13D-12-15, #15A-13D-12-15, #2A-24D-12-15, #1A-24D-12-15,  
#10A-13D-12-15, #9A-13D-12-15, #16A-13D-12-15 & #16-13D-12-15  
SECTION 13, T12S, R15E, S.L.B.&M.  
SE 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 50'  
DATE: 01-26-11  
DRAWN BY: C.C.



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



Elev. Ungraded Ground At #10-13D Loc. Stake = 6919.0'  
FINISHED GRADE ELEV. AT #10-13D LOC. STAKE = 6916.0'

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

RECEIVED: June 12, 2012

**BILL BARRETT CORPORATION**

TYPICAL CROSS SECTIONS FOR

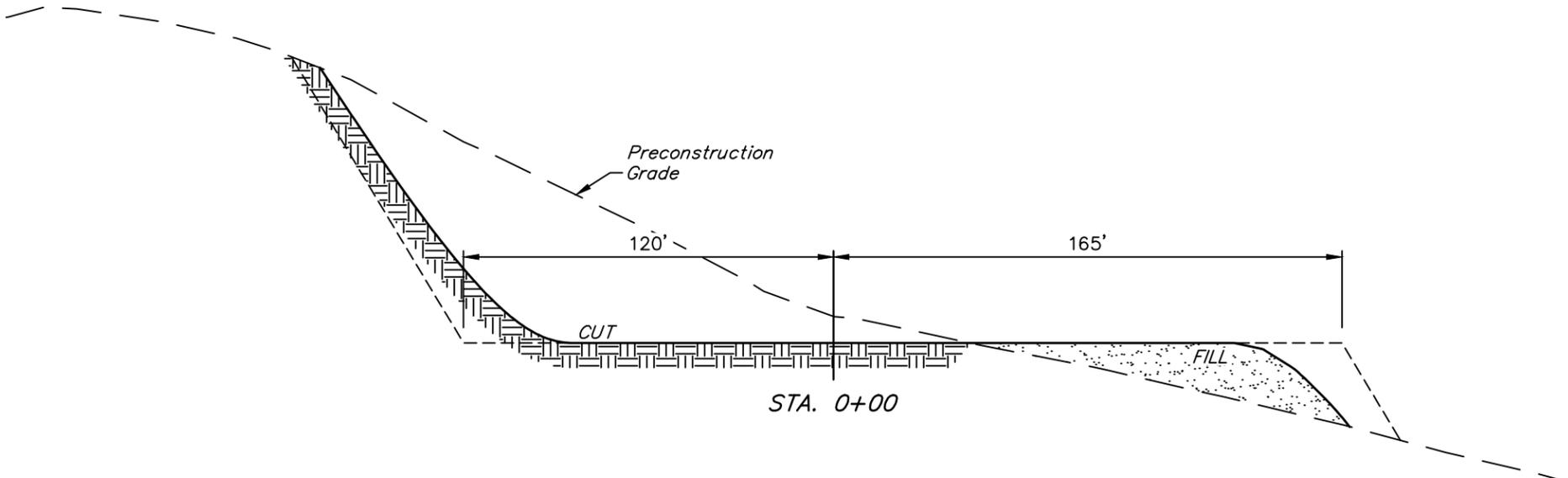
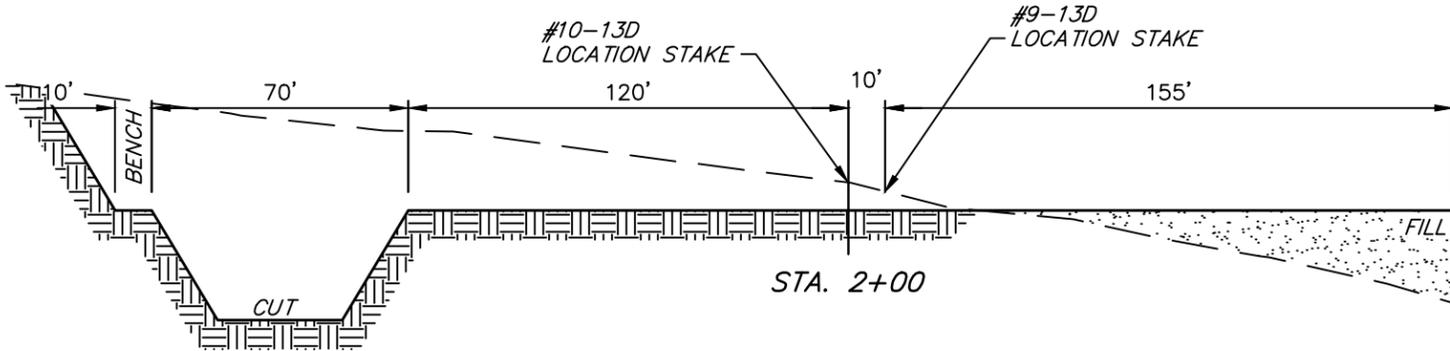
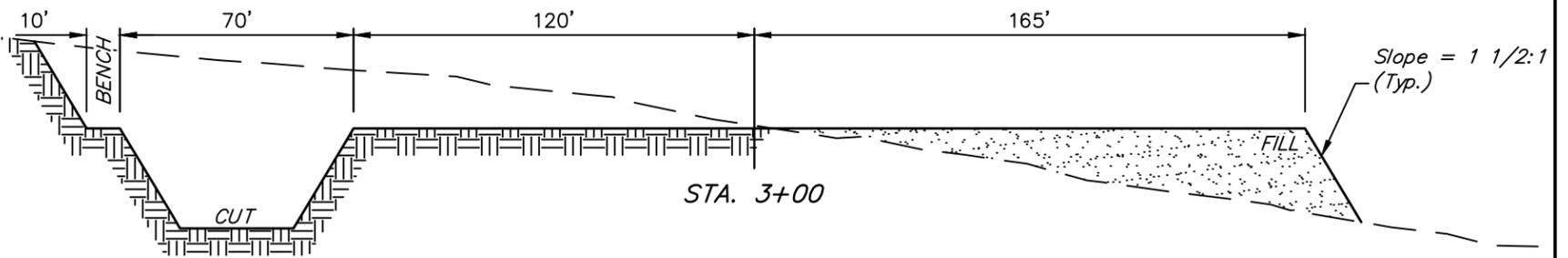
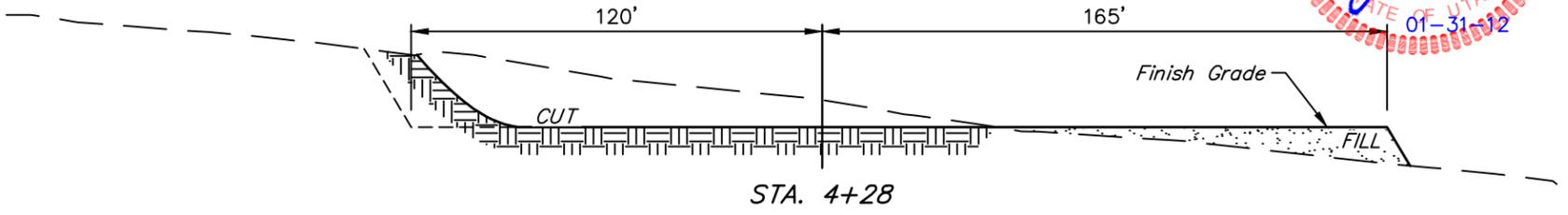
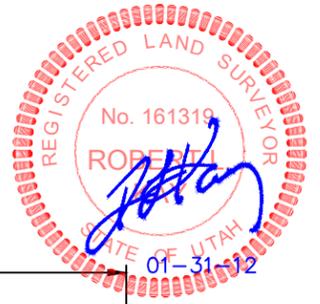
*PRICKLY PEAR UNIT FEDERAL SE 13 PAD*

PRICKLY PEAR UNIT FEDERAL #10-13D-12-15, #9-13D-12-15, (Future)  
 #15-13D-12-15, #15A-13D-12-15, #2A-24D-12-15, #1A-24D-12-15,  
 #10A-13D-12-15, #9A-13D-12-15, #16A-13D-12-15 & #16-13D-12-15  
 SECTION 13, T12S, R15E, S.L.B.&M.  
 SE 1/4 SE 1/4

**FIGURE #2**

X-Section Scale  
 1" = 20'  
 1" = 50'

DATE: 01-26-11  
 DRAWN BY: C.C.



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

\* NOTE:  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

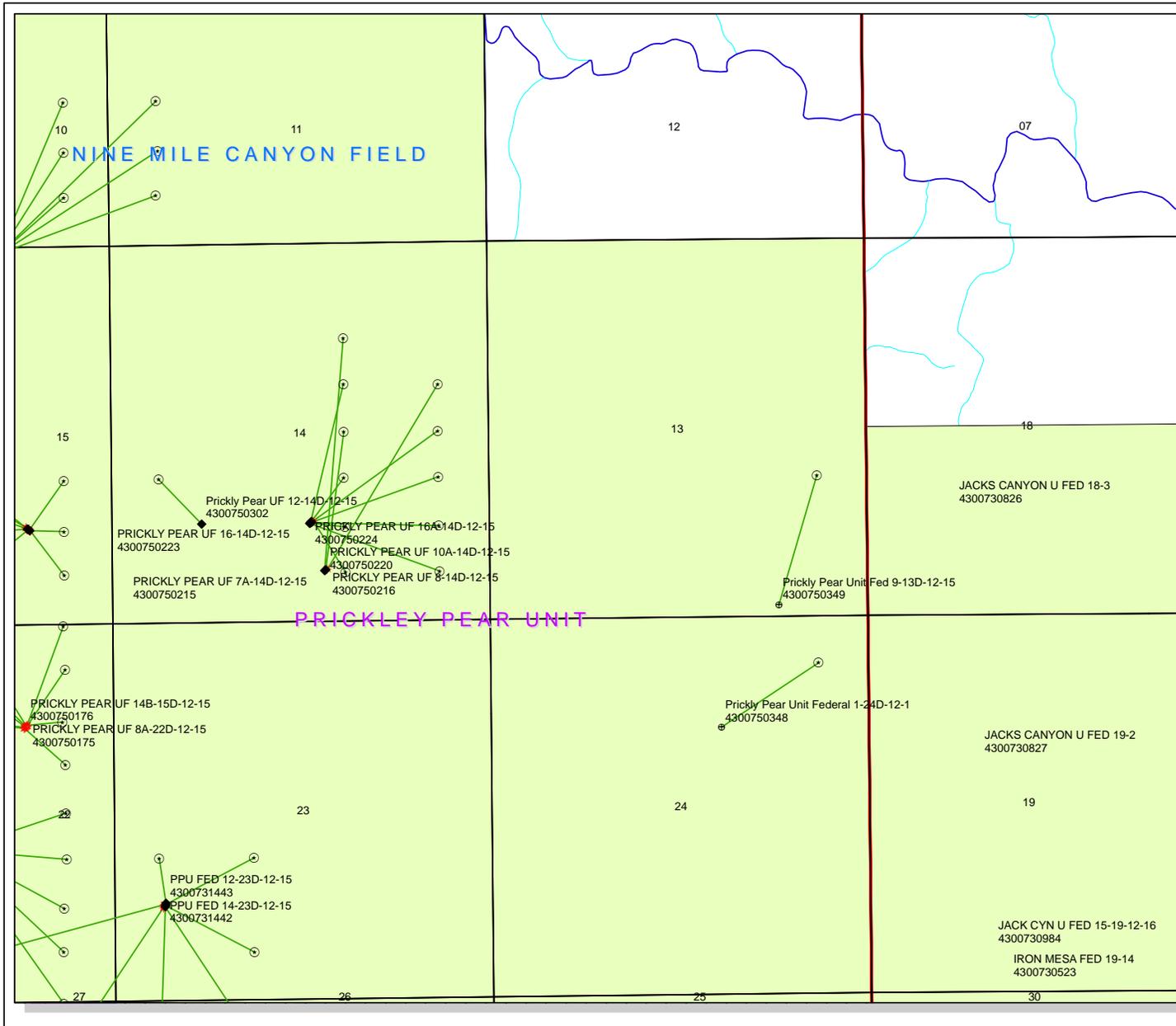
**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	= 3,070 Cu. Yds.
Remaining Location	= 24,910 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 27,980 CU.YDS.</b>
<b>FILL</b>	<b>= 12,890 CU.YDS.</b>

EXCESS MATERIAL	= 15,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 9,890 Cu. Yds.

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

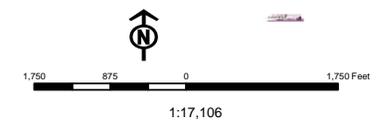
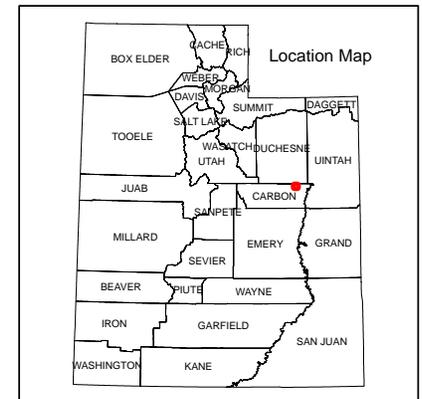
RECEIVED: June 12, 2012



**API Number: 4300750349**  
**Well Name: Prickly Pear Unit Fed 9-13D-12-15**  
**Township T1.2 . Range R1.5 . Section 13**  
**Meridian: SLBM**  
**Operator: BILL BARRETT CORP**

Map Prepared:  
 Map Produced by Diana Mason

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



# 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)

June 19, 2012

Memorandum

To: Associate Field Office Manager,  
Price Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 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 well is planned for calendar year 2012 within the Prickly Pear Unit, Carbon County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
<b>Prickly Pear Pad SE 13 PAD</b>		
43-007-50349	Prickly Pear 9-13D-12-15	Sec 13 T12S R15E 0162 FSL 1223 FEL BHL Sec 13 T12S R15E 1969 FSL 0679 FEL

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

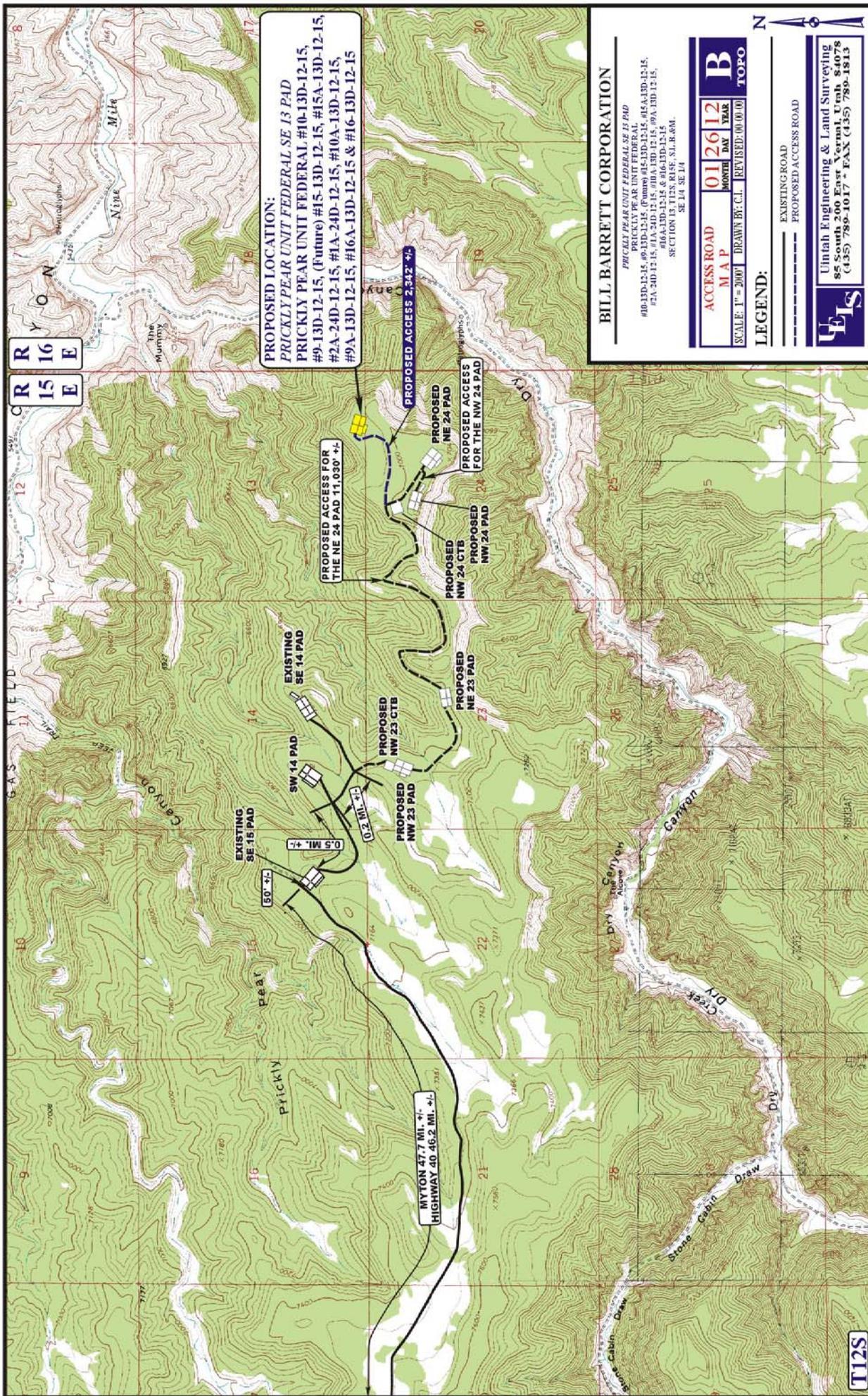
Michael L. Coulthard

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: 2012.06.19 09:51:36 -06'00'

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

MCoulthard:mc:6-19-12

RECEIVED: June 19, 2012



Received: June 12, 2012

WELL DETAILS: Prickly Pear #9-13D-12-15

			Ground Level:	6916.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.0	0.0	524936.36	2371088.70	39° 46' 1.391 N	110° 10' 47.219 W		

SECTION DETAILS

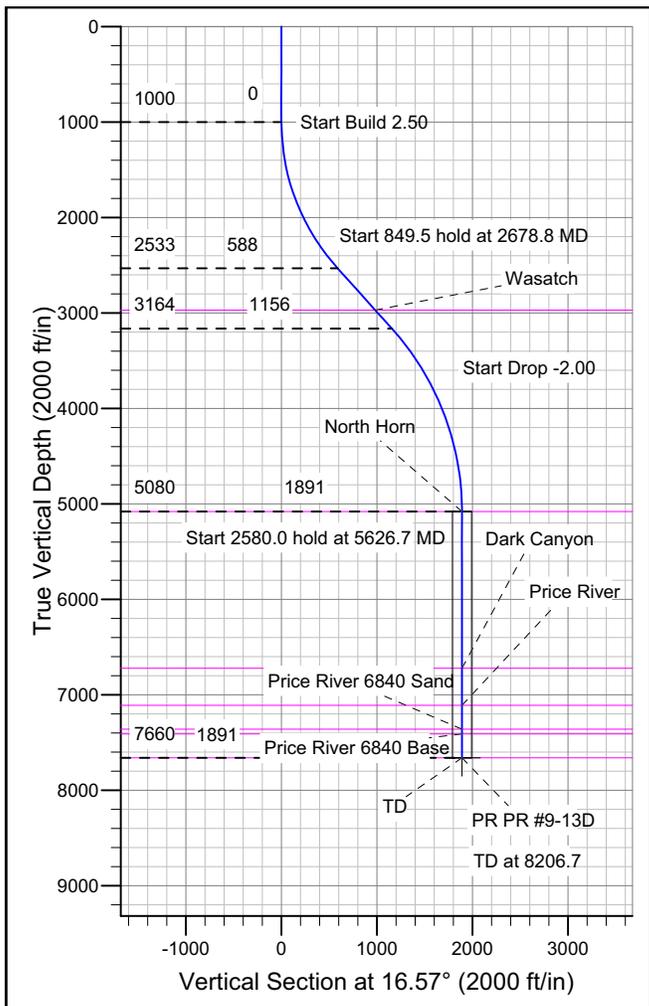
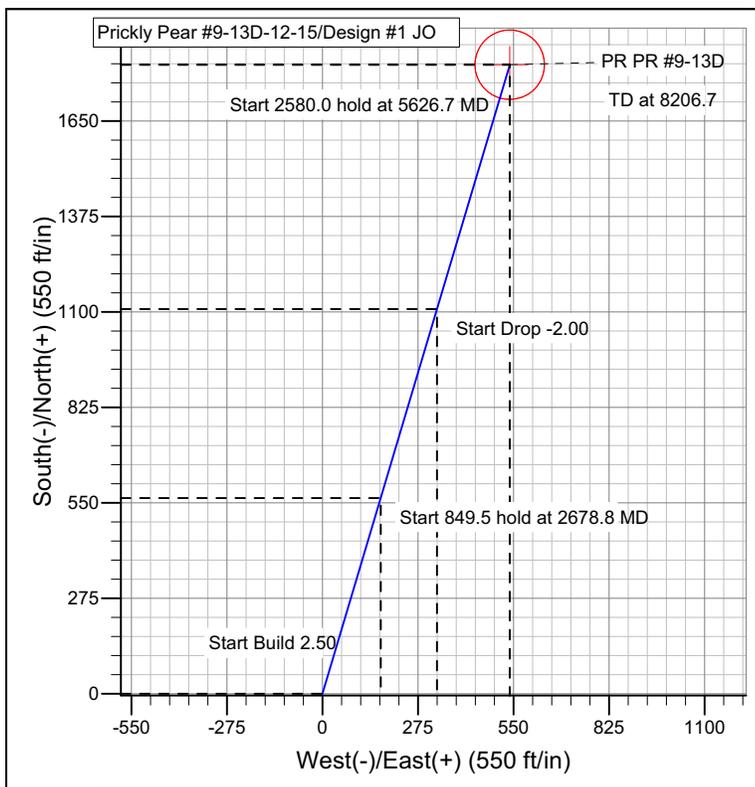
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	2678.8	41.97	16.57	2532.6	563.4	167.6	2.50	16.57	587.8	
4	3528.3	41.97	16.57	3164.2	1107.9	329.6	0.00	0.00	1155.9	
5	5626.7	0.00	0.00	5080.0	1812.2	539.2	2.00	180.00	1890.7	
6	8206.7	0.00	0.00	7660.0	1812.2	539.2	0.00	0.00	1890.7	PR PR #9-13D

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PR PR #9-13D	7660.0	1812.2	539.2	Circle (Radius: 100.0)



Azimuths to True North  
Magnetic North: 11.20°  
  
Magnetic Field  
Strength: 52003.0snT  
Dip Angle: 65.52°  
Date: 5/1/2012  
Model: IGRF2010



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2970.0	3267.0	Wasatch
5080.0	5626.7	North Horn
6723.0	7269.7	Dark Canyon
7110.0	7656.7	Price River
7360.0	7906.7	Price River 6840 Sand
7410.0	7956.7	Price River 6840 Base
7660.0	8206.7	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Prickly Pear #9-13D-12-15, True North  
Vertical (TVD) Reference: KB @ 6938.0ft (Original Well Elev)  
Section (VS) Reference: Slot - (0.0N, 0.0E)  
Measured Depth Reference: KB @ 6938.0ft (Original Well Elev)  
Calculation Method: Minimum Curvature

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/12/2012

API NO. ASSIGNED: 43007503490000

WELL NAME: Prickly Pear Unit Fed 9-13D-12-15

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SESE 13 120S 150E

Permit Tech Review: 

SURFACE: 0162 FSL 1223 FEL

Engineering Review: 

BOTTOM: 1969 FSL 0679 FEL

Geology Review: 

COUNTY: CARBON

LATITUDE: 39.76707

LONGITUDE: -110.18057

UTM SURF EASTINGS: 570184.00

NORTHINGS: 4402226.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU74388

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



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 Unit Fed 9-13D-12-15  
**API Well Number:** 43007503490000  
**Lease Number:** UTU74388  
**Surface Owner:** FEDERAL  
**Approval Date:** 6/27/2012

### 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:**

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

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

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU74388	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> PRICKLY PEAR	
<b>8. WELL NAME and NUMBER:</b> PRICKLY PEAR UF 9-13D-12-15	
<b>9. API NUMBER:</b> 43007503490000	
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	
<b>COUNTY:</b> CARBON	
<b>STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Gas Well	
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP	
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202	
<b>PHONE NUMBER:</b> 303 312-8134 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0162 FSL 1223 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 13 Township: 12.0S Range: 15.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/20/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

This sundry is being submitted to request an extension to the APD that expires on 6/20/2013. 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:** May 14, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/3/2013	



**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 43007503490000**

API: 43007503490000

Well Name: PRICKLY PEAR UF 9-13D-12-15

Location: 0162 FSL 1223 FEL QTR SESE SEC 13 TWP 120S RNG 150E MER S

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 6/27/2012

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: 5/3/2013

Title: Permit Analyst Representing: BILL BARRETT CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU74388	
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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.	
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<b>7. UNIT or CA AGREEMENT NAME:</b> PRICKLY PEAR	
<b>8. WELL NAME and NUMBER:</b> PRICKLY PEAR UF 9-13D-12-15	
<b>9. API NUMBER:</b> 43007503490000	
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	
<b>9. COUNTY:</b> CARBON	
<b>STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Gas Well	
<b>2. NAME OF OPERATOR:</b> ENERVEST OPERATING, LLC	
<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800 , Houston, TX, 77002	
<b>PHONE NUMBER:</b> 713 659-3500 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0162 FSL 1223 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 13 Township: 12.0S Range: 15.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/15/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**July 23, 2014**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** 

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



**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 43007503490000**

API: 43007503490000

Well Name: PRICKLY PEAR UF 9-13D-12-15

Location: 0162 FSL 1223 FEL QTR SESE SEC 13 TWP 120S RNG 150E MER S

Company Permit Issued to: ENERVEST OPERATING, LLC

Date Original Permit Issued: 6/27/2012

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.

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- 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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU74388
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> PRICKLY PEAR
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> PRICKLY PEAR UF 9-13D-12-15	
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<b>3. ADDRESS OF OPERATOR:</b> 1001 Fannin Street, Suite 800 , Houston, TX, 77002	<b>PHONE NUMBER:</b> 713 659-3500 Ext	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0162 FSL 1223 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 13 Township: 12.0S Range: 15.0E Meridian: S	<b>COUNTY:</b> CARBON  <b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/15/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**April 20, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** 

<b>NAME (PLEASE PRINT)</b> Don Hamilton	<b>PHONE NUMBER</b> 435 650-3866	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/16/2015	



**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 43007503490000**

API: 43007503490000

Well Name: PRICKLY PEAR UF 9-13D-12-15

Location: 0162 FSL 1223 FEL QTR SESE SEC 13 TWNP 120S RNG 150E MER S

Company Permit Issued to: ENERVEST OPERATING, LLC

Date Original Permit Issued: 6/27/2012

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: 4/16/2015

Title: Permitting Agent Representing: ENERVEST OPERATING, LLC



**RE: Enervest Operating, LLC**

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

Mon, Jul 18, 2016 at 9:56 AM

Diana;

You can actually rescind all of the following DOGM permits:

Operator↑	API Number↑	Well Name↑	Work Type↑	Date Approved↑	Date Permit Will Expire↑
ENERVEST OPERATING, LLC	4300750348	PRICKLY PEAR UF 1-24D-12-1	DRILL	06/14/2012	06/14/2016
ENERVEST OPERATING, LLC	4300750185	PRICKLY PEAR UF 3A-18D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750186	PRICKLY PEAR UF 4A-18D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750187	PRICKLY PEAR UF 11A-7D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750188	PRICKLY PEAR UF 2-18D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750189	PRICKLY PEAR UF 12A-7D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750190	PRICKLY PEAR UF 13A-7D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750191	PRICKLY PEAR UF 14A-7D-12-15	DRILL	06/20/2011	06/20/2016
ENERVEST OPERATING, LLC	4300750349	PRICKLY PEAR UF 9-13D-12-15	DRILL	06/27/2012	06/27/2016
ENERVEST OPERATING, LLC	4300750205	PRICKLY PEAR FEDERAL 1-12D-12-14	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750206	PRICKLY PEAR UF 2-12D-12-14	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750207	PRICKLY PEAR UF 7-12D-12-14	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750208	PRICKLY PEAR UF 7A-12D-12-14	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750209	PRICKLY PEAR UF 8-12D-12-14	DRILL	07/28/2011	07/28/2016

ENERVEST OPERATING, LLC	4300750211	PRICKLY PEAR UF 5-7D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750212	PRICKLY PEAR UF 8A-12D-12-14	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750213	PRICKLY PEAR UF 5A-7D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750214	PRICKLY PEAR UF 7-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750215	PRICKLY PEAR UF 7A-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750217	PRICKLY PEAR UF 9-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750218	PRICKLY PEAR UF 9A-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750219	PRICKLY PEAR UF 10-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750220	PRICKLY PEAR UF 10A-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750222	PRICKLY PEAR UF 15A-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750223	PRICKLY PEAR UF 16-14D-12-15	DRILL	07/28/2011	07/28/2016
ENERVEST OPERATING, LLC	4300750224	PRICKLY PEAR UF 16A-14D-12-15	DRILL	07/28/2011	07/28/2016

Don

-----Original Message-----

From: Diana Mason [mailto:dianawhitney@utah.gov]

Sent: Thursday, July 14, 2016 9:03 AM

To: Star Point <starpoint@etv.net>

Subject: Enervest Operating, LLC

Hi Don,

There are 9 APDs that have expired. Do you know if Enervest is going to send in extensions or if they want me to rescind all of them? They are all Prickly Pear Unit Federal APDs.

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

July 19, 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 18, 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

43-007-50185 PRICKLY PEAR UF 3A-18D-12-15  
43-007-50186 PRICKLY PEAR UF 4A-18D-12-15  
43-007-50187 PRICKLY PEAR UF 11A-7D-12-15  
43-007-50188 PRICKLY PEAR UF 2-18D-12-15  
43-007-50189 PRICKLY PEAR UF 12A-7D-12-15  
43-007-50190 PRICKLY PEAR UF 13A-7D-12-15  
43-007-50191 PRICKLY PEAR UF 14A-7D-12-15  
43-007-50349 PRICKLY PEAR UF 9-13D-12-15  
43-007-50205 PRICKLY PEAR FEDERAL 1-12D-12-14  
43-007-50206 PRICKLY PEAR UF 2-12D-12-14  
43-007-50207 PRICKLY PEAR UF 7-12D-12-14  
43-007-50208 PRICKLY PEAR UF 7A-12D-12-14  
43-007-50209 PRICKLY PEAR UF 8-12D-12-14  
43-007-50210 PRICKLY PEAR UF 4-7D-12-15  
43-007-50211 PRICKLY PEAR UF 5-7D-12-15  
43-007-50212 PRICKLY PEAR UF 8A-12D-12-14  
43-007-50213 PRICKLY PEAR UF 5A-7D-12-15  
43-007-50214 PRICKLY PEAR UF 7-14D-12-15  
43-007-50215 PRICKLY PEAR UF 7A-14D-12-15  
43-007-50217 PRICKLY PEAR UF 9-14D-12-15  
43-007-50218 PRICKLY PEAR UF 9A-14D-12-15  
43-007-50219 PRICKLY PEAR UF 10-14D-12-15  
43-007-50220 PRICKLY PEAR UF 10A-14D-12-15  
43-007-50222 PRICKLY PEAR UF 15A-14D-12-15  
43-007-50223 PRICKLY PEAR UF 16-14D-12-15  
43-007-50224 PRICKLY PEAR UF 16A-14D-12-15  
43-007-50348 PRICKLY PEAR UF 1-24D-12-1

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