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

CONFIDENTIAL

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML46708
6. SURFACE: State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME: Prickly Pear / UTU-079487

2. NAME OF OPERATOR: Bill Barrett Corporation

9. WELL NAME and NUMBER: Prickly Pear Unit State 12-16D-12-15

3. ADDRESS OF OPERATOR: 1099 18th Street, #2300 CITY Denver STATE CO ZIP 80202
PHONE NUMBER: (303) 312-8134

10. FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde 35

4. LOCATION OF WELL (FOOTAGES) 564817X 4402474Y 39.771624 -110.243202
AT SURFACE: 1864' FSL, 2023' FWL
AT PROPOSED PRODUCING ZONE: NWSW, 1980' FSL, 737' FWL
564425X 4402505Y 39.771932 -110.247777

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 12S 15E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approx 47 miles east of Wellington, UT

12. COUNTY: Carbon
13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 1864' Surface hole / 737' Bottom hole
16. NUMBER OF ACRES IN LEASE: 640
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 8' Surface hole / 638' Bottom hole
19. PROPOSED DEPTH: 7,600
20. BOND DESCRIPTION: LPM4138147

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 7052' Graded Ground
22. APPROXIMATE DATE WORK WILL START: 11/1/2008
23. ESTIMATED DURATION: 40 days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8"	J or K 55	36#	1,000	Halco LT Prem (Lead)	240 sx	1.85 ft3/sk	12.7 ppg
					Premium (Tail)	170 sx	1.16 ft3/sk	15.8 ppg
8 3/4" and	5 1/2"	N-80	17#	7,600	50/50 Poz Premium	1480 sx	1.49 ft3/sk	13.4 ppg
7 7/8"		OR				OR		
	4 1/2"	I-100	11.6#		50/50 Poz Premium	1800 sx	1.49 ft3/sk	13.4 ppg

25. **ATTACHMENTS**

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

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Tracey Fallang
TITLE Environmental/Regulatory Analyst
SIGNATURE Tracey Fallang
DATE 9/24/2008

(This space for State use only)

API NUMBER ASSIGNED: 43-007-31454

APPROVAL

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 10-22-08
By: D. Jarvis

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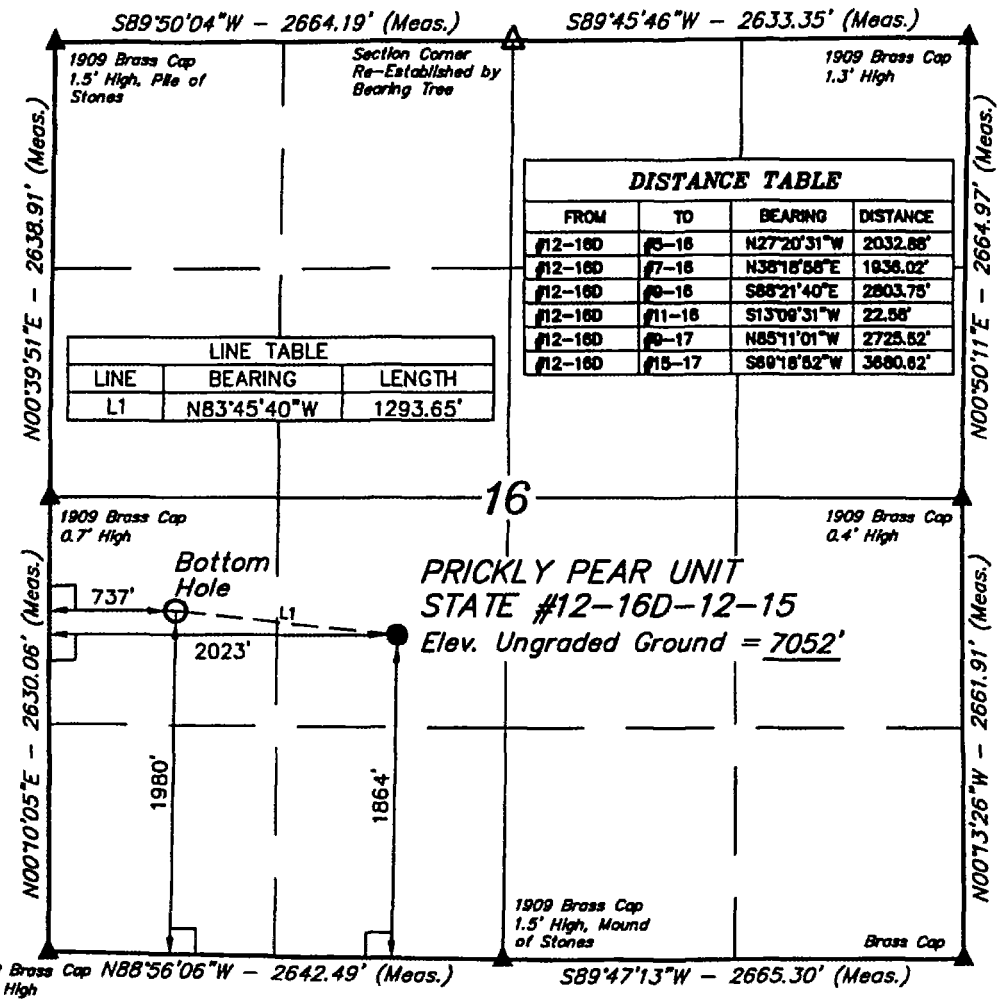
SEP 25 2008
DIV. OF OIL, GAS & MINING

(11/2001)

(See Instructions on Reverse Side)

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



LINE TABLE		
LINE	BEARING	LENGTH
L1	N83°45'40"W	1293.65'

DISTANCE TABLE

FROM	TO	BEARING	DISTANCE
#12-16D	#5-16	N27°20'31"W	2032.88'
#12-16D	#7-16	N38°18'58"E	1936.02'
#12-16D	#9-16	S88°21'40"E	2803.75'
#12-16D	#11-16	S13°09'31"W	22.58'
#12-16D	#9-17	N85°11'01"W	2725.52'
#12-16D	#15-17	S89°18'52"W	3680.62'

BILL BARRETT CORPORATION

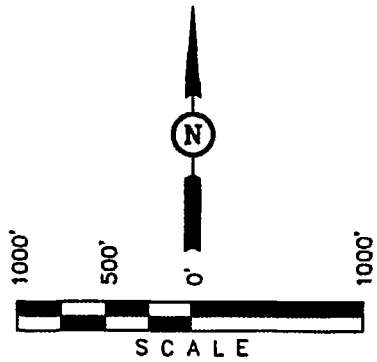
Well location, PRICKLY PEAR UNIT STATE #12-16D-12-15, located as shown in the NE 1/4 SW 1/4 of Section 16, T12S, R15E, S.L.B.&M., Carbon County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 09-04-08

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

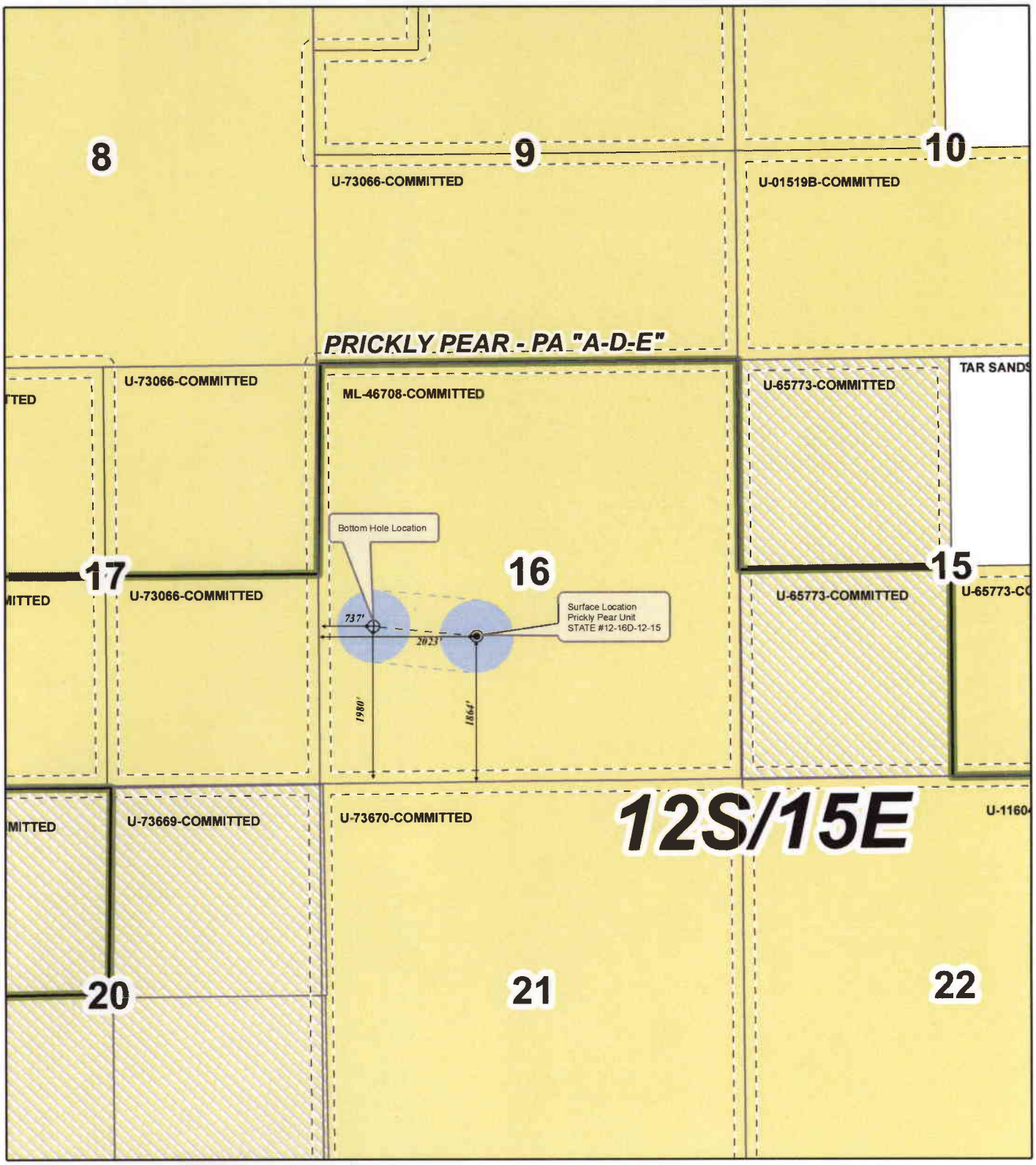
▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS RE-ESTABLISHED (NOT SET ON GROUND)

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°46'18.87" (39.771908)	LATITUDE = 39°46'17.49" (39.771525)
LONGITUDE = 110°14'55.63" (110.248786)	LONGITUDE = 110°14'39.16" (110.244211)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°46'19.00" (39.771944)	LATITUDE = 39°46'17.62" (39.771561)
LONGITUDE = 110°14'53.07" (110.248076)	LONGITUDE = 110°14'36.60" (110.243500)
STATE PLANE NAD 27	STATE PLANE NAD 27
N: 526441.77 E: 2351869.42	N: 526320.08 E: 2353157.13

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

SCALE 1" = 1000'	DATE SURVEYED: 06-23-08	DATE DRAWN: 07-02-08
PARTY L.K. D.D. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	



Bill Barrett Corporation
Well Location, PRICKLY PEAR STATE #12-16D-12-15, Located as shown in the NE1/4 SW1/4 Section 16, T12S-R15E Carbon County, Utah

⊕ Bottom Hole Location
◉ Surface Hole Location
460' Well Buffer
Partial Intrest

"Committed" to the Prickly Pear Unit"

N

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OCT 2 2 2008
DIV. OF OIL, GAS & MINING

Bill Barrett Corporation

September 24, 2008

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 State #12-16D-12-15
SHL: 1864' FSL & 2023' FWL, NESW 16-T12S-R15E
BHL. 1980' FSL & 737' FWL, NWSW 16-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 and within a Participating 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;
- XTO is an additional working interest owner and BBC will consult with XTO regarding the drilling of this well

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 Doug Gundry-White, Senior Landman at 303-312-8129

Sincerely,

Doug Gundry-White by TLF

Doug Gundry-White
Senior Landman

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DIV. OF OIL, GAS & MINING

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303 293 9100
F 303 291 0420

DRILLING PROGRAM

BILL BARRETT CORPORATION
Prickly Pear Unit State #12-16D-12-15
NESW, 1864' FSL, 2023' FWL, Sec. 16, T12S-R15E (surface hole)
NWSW, 1980' FSL, 737' FWL, Sec. 16, T12S-R15E (bottom hole)
Carbon County, Utah

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

Formation	Depth – MD	Depth – TVD
Green River	Surface	Surface
Wasatch	2627'*	2524'*
North Horn	4742'*	4459'*
Dark Canyon	6533'*	6250'*
Price River	6789'*	6506'*
TD	7600'*	7300'*

PROSPECTIVE PAY
*Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment
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 well control equipment will be in accordance with the requirements of R649-3-7.	
- The State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.	

4. Casing Program

Hole Size	SETTING DEPTH (FROM)	(TO)	Casing Size	Casing Weight	Casing Grade	Thread	Condition
12 ¼"	surface	1,000'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8" &	surface	7,600'	5 ½"	17#	N-80	LT&C	New
8 3/4"			4 ½"	11.6#	I-100	LT&C	New
Note: BBC will use one of two options of production casing noted above. 7 7/8" hole size will begin at the point the bit is changed.							

5. Cementing Program

9 5/8" Surface Casing	Approximately 240 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.85 ft^3/sx) and 170 sx Premium cement with additives mixed at 15.8 ppg (yield = 1.16 ft^3/sx) circulated to surface with 100% excess.
5 ½" Production Casing **OR**	Approximately 1480 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft^3/sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.
4 ½" Production Casing	Approximately 1800 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft^3/sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.
Note: Actual volumes to be calculated from caliper log.	

6. Mud Program

Interval	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0 – 40'	8.3 – 8.6	27 – 40	--	Native Spud Mud
40' – 1000'	8.3 – 8.6	27 – 40	15 cc or less	Native/Gel/Lime
1000' – TD	8.6 – 9.5	38 – 46	15 cc or less	LSND/DAP
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce tork and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3606 psi* and maximum anticipated surface pressure equals approximately 2000 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)
**Maximum surface pressure = A – (0.22 x TD)

9. Auxiliary Equipment

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

10. Drilling Schedule

Location Construction:	November 1, 2008
Spud:	November 7, 2008
Duration:	10 days drilling time
	30 days completion time

11. Water Source

Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under Application Number 90-1853 (T76109) which expires April 3, 2009 or an existing water well in Sec. 13, T12S-R14E granted by the Utah State Engineer's Office under Application Number 90-1857 (T75896) which expires September 4, 2009.

Water use for this location will most likely be diverted from Nine Mile Creek, the N¼ of Section 3, T12S-R14E.

12. Archaeology

Montgomery Archaeological Consultants has conducted cultural resource inventories under MOAC report #03-134, dated September 2, 2003 and under MOAC report #08-250, dated September 18, 2008.

13. Paleontology

Paleo surveys have been waived. See attached e-mail from SITLA dated September 15, 2008.

Well name:	**Utah: West Tavaputs**
Operator:	**Bill Barrett**
String type:	Surface
Location:	Carbon County, UT

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,735 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 2,955 psi

Annular backup: 9.50 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on buoyed weight.

Neutral point: 859 ft

Environment:

H2S considered?	No
Surface temperature:	75.00 °F
Bottom hole temperature:	89 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth:	10,000 ft
Next mud weight:	9.500 ppg
Next setting BHP:	4,935 psi
Fracture mud wt:	10.000 ppg
Fracture depth:	10,000 ft
Injection pressure	5,195 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	9.625	36.00	J/K-55	ST&C	1000	1000	8.796	71.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	493	2020	4.094	2735	3520	1.29	31	453	14.64 J

Prepared by: Dominic Spencer, Bill Barrett

Phone: (303) 312-8143
FAX: (303) 312-8195

Date: August 1,2003
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	**Uta: West Tavaputs**
Operator:	**Bill Barrett**
String type:	Production
Location:	Uintah County, UT

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 4,705 psi

Internal gradient: 0.02 psi/ft

Calculated BHP 4,935 psi

Annular backup: 9.50 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on buoyed weight.

Neutral point: 8,559 ft

Environment:

H2S considered?	No
Surface temperature:	75.00 °F
Bottom hole temperature:	215 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	900 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	5.5	17.00	N-80	LT&C	10000	10000	4.767	344.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4935	6290	1.275	4705	7740	1.65	146	348	2.39 J

Prepared by: Dominic Spencer, Bill Barrett
Phone: (303) 312-8143
FAX: (303) 312-8195
Date: August 1,2003
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name: **West Tavaputs General**

Operator: **Bill Barrett Corporation**

String type: Production

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,735 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,935 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on buoyed weight.

Neutral point: 8,580 ft

Environment:

H2S considered?	No
Surface temperature:	60.00 °F
Bottom hole temperature:	200 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	2,500 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	4.5	11.60	I-100	LT&C	10000	10000	3.875	231.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4935	7220	1.46	4935	9720	1.97	100	245	2.45

Prepared by: Dominic Spencer, Bill Barrett

Phone: (303) 312-8143

FAX: (303) 312-8195

Date: 7-Apr-08

Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Bill Barrett Corporation

NINE MILE CEMENT VOLUMES

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

Surface Hole Data:

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

Calculated Data:

Lead Volume:	219.2	ft^3
Lead Fill:	700'	
Tail Volume:	94.0	ft^3
Tail Fill:	300'	

Cement Data:

Lead Yield:	1.85	ft^3/sk
Tail Yield:	1.16	ft^3/sk
% Excess:	100%	

Calculated # of Sacks:

# SK's Lead:	240
# SK's Tail:	170

Production Hole Data:

Total Depth:	7,600'
Top of Cement:	900'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1692.4	ft^3
Lead Fill:	6,700'	

Cement Data:

Lead Yield:	1.49	ft^3/sk
% Excess:	30%	

Calculated # of Sacks:

# SK's Lead:	1480

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

Job Recommendation			Surface Casing
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.85	ft^3/sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	700'	
	Volume:	78.09	bbl
	Proposed Sacks:	**240**	**sks**
Tail Cement - (1000' - 700')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
94 lbm/sk Premium Cement	Slurry Yield:	1.16	ft^3/sk
2.0% Calcium Chloride	Total Mixing Fluid:	4.97	Gal/sk
0.125 lbm/sk Ploy-E-Flake	Top of Fluid:	700'	
	Calculated Fill:	300'	
	Volume:	33.47	bbl
	Proposed Sacks:	**170**	**sks**

Job Recommendation			Production Casing
Lead Cement - (7600' - 900')			
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
3.0 % KCL	Slurry Yield:	1.49	ft^3/sk
0.75% Halad®-322	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite Compacted	Top of Fluid:	900'	
0.2% FWCA	Calculated Fill:	6,700'	
0.125 lbm/sk Poly-E-Flake	Volume:	391.82	bbl
1.0 lbm/sk Granulite TR 1/4	**Proposed Sacks:**	**1480**	**sks**

Bill Barrett Corporation

NINE MILE CEMENT VOLUMES

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

Surface Hole Data:

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

Calculated Data:

Lead Volume:	219.2	ft^3
Lead Fill:	700'	
Tail Volume:	94.0	ft^3
Tail Fill:	300'	

Cement Data:

Lead Yield:	1.85	ft^3/sk
Tail Yield:	1.16	ft^3/sk
% Excess:	100%	

Calculated # of Sacks:

# SK's Lead:	240
# SK's Tail:	170

Production Hole Data:

Total Depth:	7,600'
Top of Cement:	900'
OD of Hole:	8.750"
OD of Casing:	4.500"

Calculated Data:

Lead Volume:	2057.8	ft^3
Lead Fill:	6,700'	

Cement Data:

Lead Yield:	1.49	ft^3/sk
% Excess:	30%	

Calculated # of Sacks:

# SK's Lead:	1800

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

Job Recommendation			Surface Casing
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.85	ft^3/sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	700'	
	Volume:	78.09	bbl
	Proposed Sacks:	**240**	**sks**
Tail Cement - (1000' - 700')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
94 lbm/sk Premium Cement	Slurry Yield:	1.16	ft^3/sk
2.0% Calcium Chloride	Total Mixing Fluid:	4.97	Gal/sk
0.125 lbm/sk Ploy-E-Flake	Top of Fluid:	700'	
	Calculated Fill:	300'	
	Volume:	33.47	bbl
	Proposed Sacks:	**170**	**sks**

Job Recommendation			Production Casing
Lead Cement - (7600' - 900')			
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
3.0 % KCL	Slurry Yield:	1.49	ft^3/sk
0.75% Halad®-322	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite Compacted	Top of Fluid:	900'	
0.2% FWCA	Calculated Fill:	6,700'	
0.125 lbm/sk Poly-E-Flake	Volume:	476.43	bbl
1.0 lbm/sk Granulite TR 1/4	**Proposed Sacks:**	**1800**	**sks**

Weatherford

Drilling Services

Proposal

Bill Barrett Corporation

PRICKLY PEAR US #12-16-12-15

CARBON COUNTY, UTAH

WELL FILE: **PLAN 1**

SEPTEMBER 23, 2008

Weatherford International, Ltd
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Bill Barrett Corporation

Weatherford

Project:	CARBON COUNTY, UT (NAD 27)
Site:	PR PR US 11-16 PAD
Well:	PR PR US 12-16D-12-15
Wellbore:	PR PR US 12-16D-12-15
Design:	Design #1
Latitude:	39° 46' 17.620 N
Longitude:	110° 14' 36.600 W
GL:	7051.70
KB:	WELL KB @ 7068.70ft (Original Well Elev)

WELL DETAILS: PR PR US 12-16D-12-15

Ground Level: 7051.70

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	526320.19	2353157.16	39° 46' 17.620 N	110° 14' 36.600 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL 12-16D	7099.00	139.69	-1286.04	39° 46' 19.000 N	110° 14' 53.070 W	Circle (Radius: 100.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1060.00	0.00	0.00	1060.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.50
2260.19	30.00	276.20	2206.08	33.17	-305.35	2.50	276.20	307.14	Start 1204.90 hold at 2260.19 MD
3465.08	30.00	276.20	3249.50	98.23	-904.35	0.00	0.00	909.67	Start Drop -2.00
4965.32	0.00	0.00	4682.10	139.69	-1286.04	2.00	180.00	1293.60	Start 2416.90 hold at 4965.32 MD
7382.22	0.00	0.00	7099.00	139.69	-1286.04	0.00	0.00	1293.60	TD at 7382.22

CASING DETAILS

TVD	MD	Name	Size
1000.00	1000.00	9 5/8"	9-5/8

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2524.00	2627.31	WASATCH
4459.00	4741.99	NORTH HORN
6250.00	6533.22	DARK CANYON
6506.00	6789.22	PRICE RIVER

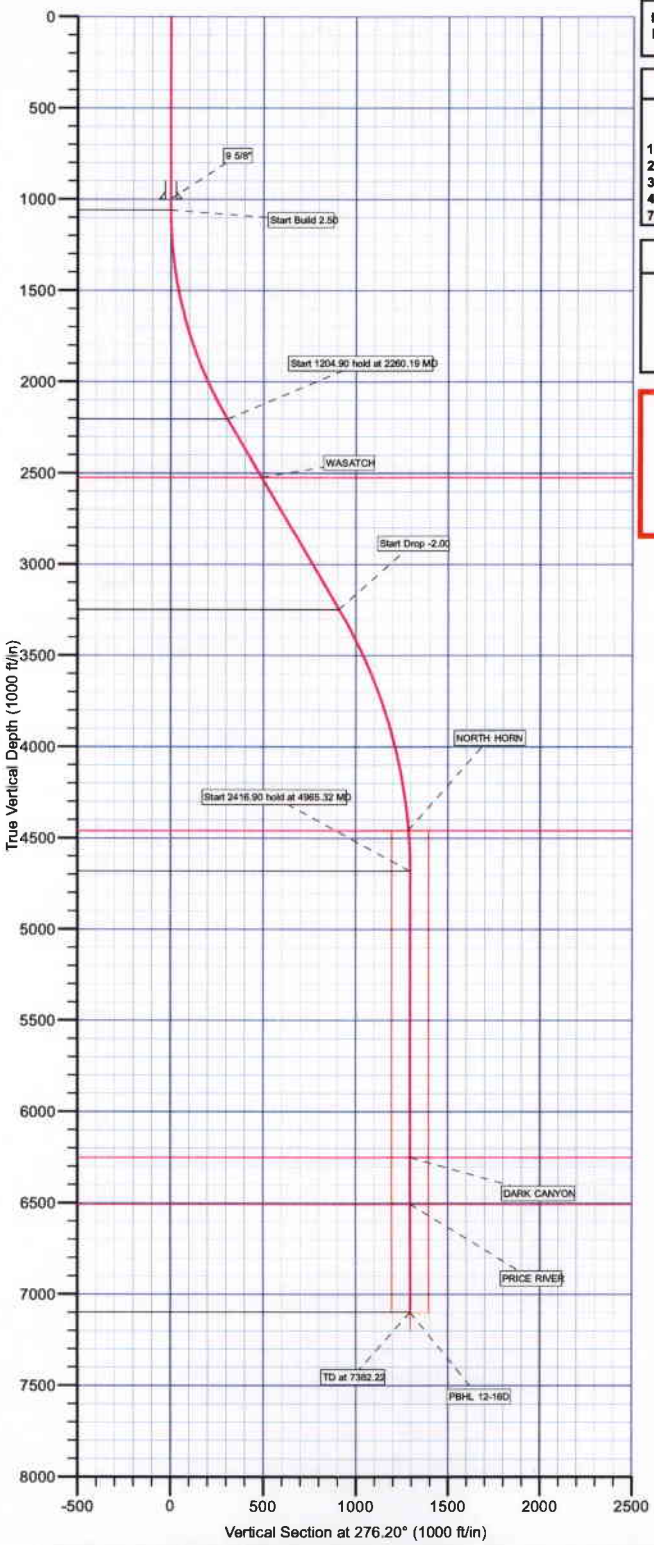
T M

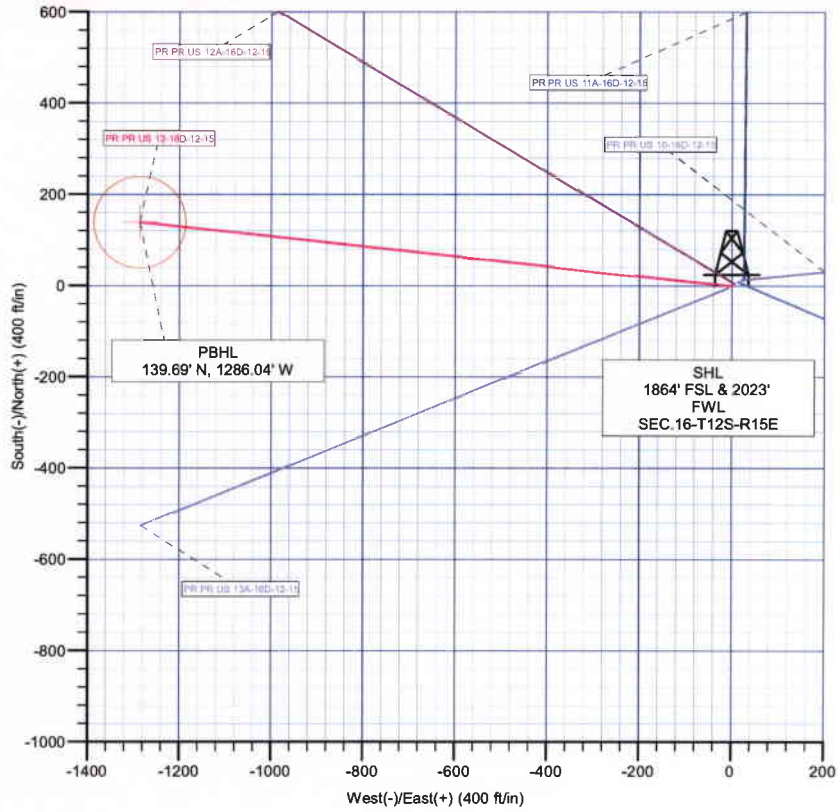
Azimuths to True North
Magnetic North: 11.71°

Magnetic Field
Strength: 52337.6snT
Dip Angle: 65.59°
Date: 9/23/2008
Model: BGGM2007

LEGEND

- PR PR US 13A-16D-12-15, PR PR US 13A-16D-12-15, Design #1 V0
- PR PR US 15A-16D-12-15, PR PR US 15A-16D-12-15, Design #1 V0
- PR PR US 12A-16D-12-15, PR PR US 12A-16D-12-15, Design #1 V0
- PR PR US 11A-16D-12-15, PR PR US 11A-16D-12-15, Design #1 V0
- PR PR US 10-16D-12-15, PR PR US 10-16D-12-15, Design #1 V0
- Design #1





Plan: Design #1 (PR PR US 12-16D-12-15/PR PR US 12-16D-12-15)

Created By: TRACY WILLIAMS Date: 11:34, September 23 2008

Bill Barrett Corporation

BILL BARRETT CORP

CARBON COUNTY, UT (NAD 27)
PR PR US 11-16 PAD
PR PR US 12-16D-12-15

PR PR US 12-16D-12-15

Plan: Design #1

Standard Planning Report

23 September, 2008

Weatherford®

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Company:	BILL BARRETT CORP	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Project:	CARBON COUNTY, UT (NAD 27)	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site:	PR PR US 11-16 PAD	**North Reference:**	True
Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PR PR US 12-16D-12-15		
Design:	Design #1		

Project CARBON COUNTY, UT (NAD 27)

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

Site PR PR US 11-16 PAD

Site Position:		**Northing:**	526,337.79 ft	**Latitude:**	39° 46' 17.790 N
From:	Lat/Long	**Easting:**	2,353,183.46 ft	**Longitude:**	110° 14' 36.260 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.80 °

Well PR PR US 12-16D-12-15

Well Position	**+N/-S**	-17.22 ft	**Northing:**	526,320.19 ft	**Latitude:**	39° 46' 17.620 N
	+E/-W	-26.55 ft	**Easting:**	2,353,157.16 ft	**Longitude:**	110° 14' 36.600 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	7,051.70 ft

Wellbore PR PR US 12-16D-12-15

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2007	9/23/2008	11.71	65.59	52,338

Design Design #1

Audit Notes:

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

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	276.20

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,060.00	0.00	0.00	1,060.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,260.19	30.00	276.20	2,206.08	33.17	-305.35	2.50	2.50	0.00	276.20	
3,465.08	30.00	276.20	3,249.50	98.23	-904.35	0.00	0.00	0.00	0.00	
4,965.32	0.00	0.00	4,682.10	139.69	-1,286.04	2.00	-2.00	0.00	180.00	
7,382.22	0.00	0.00	7,099.00	139.69	-1,286.04	0.00	0.00	0.00	0.00	PBHL 12-16D

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Company:	BILL BARRETT CORP	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Project:	CARBON COUNTY, UT (NAD 27)	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site:	PR PR US 11-16 PAD	**North Reference:**	True
Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	PR PR US 12-16D-12-15		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.50									
1,060.00	0.00	0.00	1,060.00	0.00	0.00	0.00	0.00	0.00	0.00
Start 1204.90 hold at 2260.19 MD									
2,260.19	30.00	276.20	2,206.08	33.17	-305.35	307.14	2.50	2.50	0.00
Start Drop -2.00									
3,465.08	30.00	276.20	3,249.50	98.23	-904.35	909.67	0.00	0.00	0.00
Start 2416.90 hold at 4965.32 MD									
4,965.32	0.00	0.00	4,682.10	139.69	-1,286.04	1,293.60	2.00	-2.00	5.59
TD at 7382.22									
7,382.22	0.00	0.00	7,099.00	139.69	-1,286.04	1,293.60	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL 12-16D - plan hits target center - Circle (radius 100.00)	0.00	0.00	7,099.00	139.69	-1,286.04	526,441.79	2,351,869.42	39° 46' 19.000 N	110° 14' 53.070 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,000.00	1,000.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,627.31	2,524.00	WASATCH		0.00	
4,741.99	4,459.00	NORTH HORN		0.00	
6,533.22	6,250.00	DARK CANYON		0.00	
6,789.22	6,506.00	PRICE RIVER		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,060.00	1,060.00	0.00	0.00	Start Build 2.50
2,260.19	2,206.08	33.17	-305.35	Start 1204.90 hold at 2260.19 MD
3,465.08	3,249.50	98.23	-904.35	Start Drop -2.00
4,965.32	4,682.10	139.69	-1,286.04	Start 2416.90 hold at 4965.32 MD
7,382.22	7,099.00	139.69	-1,286.04	TD at 7382.22

Bill Barrett Corporation

BILL BARRETT CORP

CARBON COUNTY, UT (NAD 27)
PR PR US 11-16 PAD
PR PR US 12-16D-12-15

PR PR US 12-16D-12-15
Design #1

Anticollision Report

23 September, 2008

Weatherford®

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00ft	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**		

Survey Tool Program **Date** 9/23/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	7,382.22	Design #1 (PR PR US 12-16D-12-15)	MWD	MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
PR PR US 11-16 PAD						
PR PR US 10-16D-12-15 - PR PR US 10-16D-12-15 - De	1,060.00	1,060.00	24.19	19.69	5.373	CC, ES
PR PR US 10-16D-12-15 - PR PR US 10-16D-12-15 - De	1,100.00	1,099.62	24.77	20.10	5.303	SF
PR PR US 11A-16D-12-15 - PR PR US 11A-16D-12-15 -	1,060.00	1,060.00	31.65	27.14	7.029	CC, ES
PR PR US 11A-16D-12-15 - PR PR US 11A-16D-12-15 -	1,100.00	1,099.69	32.11	27.43	6.866	SF
PR PR US 12A-16D-12-15 - PR PR US 12A-16D-12-15 -	1,060.00	1,060.00	8.04	3.53	1.785	CC
PR PR US 12A-16D-12-15 - PR PR US 12A-16D-12-15 -	1,100.00	1,100.05	8.16	3.49	1.746	ES, SF
PR PR US 13A-16D-12-15 - PR PR US 13A-16D-12-15 -	1,060.00	1,060.00	8.11	3.61	1.802	CC
PR PR US 13A-16D-12-15 - PR PR US 13A-16D-12-15 -	1,100.00	1,099.86	8.18	3.51	1.752	ES, SF
PR PR US 15A-16D-12-15 - PR PR US 15A-16D-12-15 -	1,060.00	1,060.00	16.00	11.50	3.555	CC, ES
PR PR US 15A-16D-12-15 - PR PR US 15A-16D-12-15 -	1,100.00	1,099.84	16.46	11.79	3.527	SF

Offset Design PR PR US 11-16 PAD - PR PR US 10-16D-12-15 - PR PR US 10-16D-12-15 - Design #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	57.07	13.15	20.30	24.19				
100.00	100.00	100.00	100.00	0.09	0.09	57.07	13.15	20.30	24.19	24.00	0.19	129.657	
200.00	200.00	200.00	200.00	0.32	0.32	57.07	13.15	20.30	24.19	23.55	0.64	38.027	
300.00	300.00	300.00	300.00	0.54	0.54	57.07	13.15	20.30	24.19	23.10	1.09	22.281	
400.00	400.00	400.00	400.00	0.77	0.77	57.07	13.15	20.30	24.19	22.65	1.54	15.756	
500.00	500.00	500.00	500.00	0.99	0.99	57.07	13.15	20.30	24.19	22.20	1.98	12.187	
600.00	600.00	600.00	600.00	1.22	1.22	57.07	13.15	20.30	24.19	21.75	2.43	9.937	
700.00	700.00	700.00	700.00	1.44	1.44	57.07	13.15	20.30	24.19	21.30	2.88	8.388	
800.00	800.00	800.00	800.00	1.67	1.67	57.07	13.15	20.30	24.19	20.86	3.33	7.257	
900.00	900.00	900.00	900.00	1.89	1.89	57.07	13.15	20.30	24.19	20.41	3.78	6.394	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	57.07	13.15	20.30	24.19	19.96	4.23	5.715	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	57.07	13.15	20.30	24.19	19.69	4.50	5.373	CC, ES
1,100.00	1,100.00	1,099.62	1,099.61	2.34	2.34	141.73	13.18	20.64	24.77	20.10	4.67	5.303	SF
1,200.00	1,199.91	1,198.19	1,198.11	2.54	2.54	149.12	13.56	24.45	31.60	26.52	5.08	6.226	
1,300.00	1,299.56	1,295.25	1,294.84	2.76	2.75	157.29	14.34	32.31	46.87	41.38	5.49	8.542	
1,400.00	1,398.75	1,389.77	1,388.64	3.00	2.97	162.76	15.49	43.87	70.80	64.90	5.90	12.005	
1,500.00	1,497.30	1,480.86	1,478.50	3.27	3.22	166.03	16.96	58.65	103.00	96.70	6.30	16.351	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 10-16D-12-15 - PR PR US 10-16D-12-15 - Design #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,600.00	1,595.02	1,567.74	1,563.60	3.60	3.49	167.98	18.68	76.04	142.99	136.30	6.69	21.370	
1,700.00	1,691.71	1,649.81	1,643.32	3.99	3.78	169.18	20.60	95.41	190.26	183.19	7.07	26.910	
1,800.00	1,787.21	1,726.62	1,717.26	4.46	4.10	169.92	22.66	116.10	244.28	236.84	7.44	32.852	
1,900.00	1,881.32	1,800.00	1,787.21	5.01	4.44	170.39	24.85	138.16	304.52	296.72	7.79	39.079	
2,000.00	1,973.87	1,863.38	1,847.03	5.66	4.78	170.62	26.92	158.99	370.42	362.29	8.13	45.580	
2,100.00	2,064.67	1,923.13	1,902.87	6.42	5.13	170.72	29.01	180.14	441.47	433.01	8.45	52.235	
2,200.00	2,153.57	1,977.18	1,952.89	7.28	5.48	170.70	31.04	200.50	517.14	508.35	8.78	58.878	
2,260.19	2,206.08	2,000.00	1,973.87	7.84	5.62	170.57	31.92	209.46	564.75	555.79	8.96	63.026	
2,300.00	2,240.56	2,025.87	1,997.53	8.24	5.82	170.77	32.96	219.86	596.73	587.58	9.15	65.215	
2,400.00	2,327.15	2,071.46	2,038.94	9.24	6.15	171.07	34.84	238.82	678.01	668.41	9.59	70.666	
2,500.00	2,413.75	2,115.98	2,079.02	10.27	6.49	171.31	36.76	258.13	760.40	750.35	10.05	75.628	
2,600.00	2,500.35	2,171.99	2,129.24	11.31	6.95	171.54	39.20	282.79	843.23	832.70	10.52	80.134	
2,700.00	2,586.95	2,228.00	2,179.47	12.37	7.42	171.73	41.65	307.45	926.05	915.06	11.00	84.213	
2,800.00	2,673.55	2,284.00	2,229.70	13.43	7.89	171.89	44.10	332.11	1,008.88	997.41	11.48	87.902	
2,900.00	2,760.15	2,340.01	2,279.92	14.51	8.38	172.03	46.55	356.77	1,091.72	1,079.75	11.97	91.236	
3,000.00	2,846.74	2,396.02	2,330.15	15.58	8.86	172.15	48.99	381.43	1,174.55	1,162.09	12.46	94.280	
3,100.00	2,933.34	2,452.02	2,380.37	16.66	9.35	172.25	51.44	406.09	1,257.39	1,244.43	12.96	97.034	
3,200.00	3,019.94	2,508.03	2,430.60	17.75	9.85	172.34	53.89	430.75	1,340.22	1,326.76	13.46	99.568	
3,300.00	3,106.54	2,564.04	2,480.83	18.84	10.35	172.42	56.34	455.41	1,423.06	1,409.09	13.97	101.877	
3,400.00	3,193.14	2,620.04	2,531.05	19.93	10.85	172.49	58.78	480.07	1,505.90	1,491.42	14.48	104.006	
3,465.08	3,249.50	2,656.50	2,563.74	20.64	11.18	172.53	60.38	496.12	1,559.82	1,545.00	14.81	105.296	
3,500.00	3,279.84	2,676.23	2,581.43	20.99	11.36	172.68	61.24	504.81	1,588.62	1,573.59	15.04	105.655	
3,600.00	3,367.88	2,734.65	2,633.82	21.86	11.89	173.06	63.79	530.53	1,669.77	1,654.12	15.66	106.636	
3,700.00	3,457.52	2,795.84	2,688.71	22.68	12.45	173.37	66.47	557.48	1,748.86	1,732.58	16.28	107.450	
3,800.00	3,548.65	2,859.75	2,746.01	23.43	13.03	173.63	69.26	585.61	1,825.77	1,808.88	16.89	108.113	
3,900.00	3,641.16	2,926.28	2,805.67	24.13	13.64	173.85	72.17	614.90	1,900.42	1,882.93	17.49	108.660	
4,000.00	3,734.94	2,995.35	2,867.62	24.77	14.28	174.02	75.19	645.32	1,972.71	1,954.63	18.08	109.105	
4,100.00	3,829.88	3,066.88	2,931.77	25.34	14.94	174.17	78.31	676.82	2,042.57	2,023.91	18.66	109.457	
4,200.00	3,925.85	3,140.79	2,998.05	25.86	15.62	174.29	81.54	709.36	2,109.90	2,090.67	19.23	109.735	
4,300.00	4,022.74	3,216.99	3,066.38	26.31	16.33	174.38	84.87	742.91	2,174.62	2,154.84	19.78	109.950	
4,400.00	4,120.44	3,295.37	3,136.68	26.70	17.05	174.46	88.30	777.42	2,236.66	2,216.35	20.31	110.107	
4,500.00	4,218.82	3,375.85	3,208.85	27.04	17.80	174.51	91.81	812.86	2,295.94	2,275.11	20.83	110.214	
4,600.00	4,317.77	3,458.33	3,282.81	27.32	18.57	174.55	95.42	849.17	2,352.39	2,331.06	21.33	110.279	
4,700.00	4,417.16	3,542.71	3,358.48	27.54	19.36	174.57	99.11	886.32	2,405.95	2,384.14	21.81	110.308	
4,800.00	4,516.87	3,628.88	3,435.76	27.72	20.16	174.58	102.87	924.26	2,456.54	2,434.27	22.27	110.304	
4,900.00	4,616.78	3,716.73	3,514.55	27.84	20.99	174.58	106.71	962.95	2,504.12	2,481.41	22.71	110.272	
4,965.32	4,682.10	3,774.99	3,566.79	27.89	21.53	90.77	109.26	988.59	2,533.53	2,510.55	22.98	110.241	
5,000.00	4,716.78	3,806.09	3,594.67	27.92	21.82	90.73	110.62	1,002.29	2,548.80	2,525.66	23.14	110.145	
5,100.00	4,816.78	3,895.76	3,675.10	28.00	22.66	90.62	114.54	1,041.77	2,592.83	2,569.23	23.60	109.844	
5,200.00	4,916.78	5,187.64	4,916.78	28.08	28.36	89.91	143.74	1,336.01	2,622.05	2,595.15	26.89	97.496	
5,300.00	5,016.78	5,287.64	5,016.78	28.16	28.44	89.91	143.74	1,336.01	2,622.05	2,594.84	27.21	96.367	
5,400.00	5,116.78	5,387.64	5,116.78	28.25	28.53	89.91	143.74	1,336.01	2,622.05	2,594.52	27.53	95.251	
5,500.00	5,216.78	5,487.64	5,216.78	28.33	28.61	89.91	143.74	1,336.01	2,622.05	2,594.20	27.85	94.148	
5,600.00	5,316.78	5,587.64	5,316.78	28.42	28.70	89.91	143.74	1,336.01	2,622.05	2,593.87	28.18	93.059	
5,700.00	5,416.78	5,687.64	5,416.78	28.51	28.79	89.91	143.74	1,336.01	2,622.05	2,593.54	28.51	91.984	
5,800.00	5,516.78	5,787.64	5,516.78	28.60	28.88	89.91	143.74	1,336.01	2,622.05	2,593.21	28.84	90.924	
5,900.00	5,616.78	5,887.64	5,616.78	28.69	28.97	89.91	143.74	1,336.01	2,622.05	2,592.87	29.17	89.878	
6,000.00	5,716.78	5,987.64	5,716.78	28.78	29.06	89.91	143.74	1,336.01	2,622.05	2,592.54	29.51	88.846	
6,100.00	5,816.78	6,087.64	5,816.78	28.87	29.16	89.91	143.74	1,336.01	2,622.05	2,592.19	29.85	87.830	
6,200.00	5,916.78	6,187.64	5,916.78	28.97	29.25	89.91	143.74	1,336.01	2,622.05	2,591.85	30.20	86.828	
6,300.00	6,016.78	6,287.64	6,016.78	29.07	29.35	89.91	143.74	1,336.01	2,622.05	2,591.50	30.55	85.841	
6,400.00	6,116.78	6,387.64	6,116.78	29.16	29.45	89.91	143.74	1,336.01	2,622.05	2,591.15	30.90	84.869	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 10-16D-12-15 - PR PR US 10-16D-12-15 - Design #1

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

Survey Program: 0-MWD

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,500.00	6,216.78	6,487.64	6,216.78	29.26	29.55	89.91	143.74	1,336.01	2,622.05	2,590.80	31.25	83.912	
6,600.00	6,316.78	6,587.64	6,316.78	29.37	29.65	89.91	143.74	1,336.01	2,622.05	2,590.45	31.60	82.970	
6,700.00	6,416.78	6,687.64	6,416.78	29.47	29.75	89.91	143.74	1,336.01	2,622.05	2,590.09	31.96	82.043	
6,800.00	6,516.78	6,787.64	6,516.78	29.57	29.86	89.91	143.74	1,336.01	2,622.05	2,589.73	32.32	81.130	
6,900.00	6,616.78	6,887.64	6,616.78	29.68	29.96	89.91	143.74	1,336.01	2,622.05	2,589.37	32.68	80.232	
7,000.00	6,716.78	6,987.64	6,716.78	29.78	30.07	89.91	143.74	1,336.01	2,622.05	2,589.00	33.04	79.349	
7,100.00	6,816.78	7,087.64	6,816.78	29.89	30.18	89.91	143.74	1,336.01	2,622.05	2,588.64	33.41	78.480	
7,200.00	6,916.78	7,187.64	6,916.78	30.00	30.29	89.91	143.74	1,336.01	2,622.05	2,588.27	33.78	77.625	
7,300.00	7,016.78	7,287.64	7,016.78	30.11	30.40	89.91	143.74	1,336.01	2,622.05	2,587.90	34.15	76.784	
7,382.22	7,099.00	7,369.86	7,099.00	30.20	30.49	89.91	143.74	1,336.01	2,622.05	2,587.59	34.45	76.103	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 11A-16D-12-15 - PR PR US 11A-16D-12-15 - Design #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	57.03	17.22	26.55	31.65				
100.00	100.00	100.00	100.00	0.09	0.09	57.03	17.22	26.55	31.65	31.46	0.19	169.634	
200.00	200.00	200.00	200.00	0.32	0.32	57.03	17.22	26.55	31.65	31.01	0.64	49.751	
300.00	300.00	300.00	300.00	0.54	0.54	57.03	17.22	26.55	31.65	30.56	1.09	29.150	
400.00	400.00	400.00	400.00	0.77	0.77	57.03	17.22	26.55	31.65	30.11	1.54	20.614	
500.00	500.00	500.00	500.00	0.99	0.99	57.03	17.22	26.55	31.65	29.66	1.98	15.945	
600.00	600.00	600.00	600.00	1.22	1.22	57.03	17.22	26.55	31.65	29.21	2.43	13.001	
700.00	700.00	700.00	700.00	1.44	1.44	57.03	17.22	26.55	31.65	28.76	2.88	10.974	
800.00	800.00	800.00	800.00	1.67	1.67	57.03	17.22	26.55	31.65	28.31	3.33	9.494	
900.00	900.00	900.00	900.00	1.89	1.89	57.03	17.22	26.55	31.65	27.86	3.78	8.366	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	57.03	17.22	26.55	31.65	27.41	4.23	7.477	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	57.03	17.22	26.55	31.65	27.14	4.50	7.029	CC, ES
1,100.00	1,100.00	1,099.69	1,099.69	2.34	2.34	140.70	17.57	26.55	32.11	27.43	4.68	6.866	SF
1,200.00	1,199.91	1,198.71	1,198.63	2.54	2.57	139.46	21.42	26.58	37.30	32.20	5.10	7.313	
1,300.00	1,299.56	1,297.03	1,296.61	2.76	2.79	137.70	29.47	26.64	48.27	42.73	5.54	8.720	
1,400.00	1,398.75	1,394.18	1,392.99	3.00	3.02	136.09	41.54	26.74	64.96	58.98	5.99	10.851	
1,500.00	1,497.30	1,489.69	1,487.18	3.27	3.28	134.80	57.39	26.86	87.28	80.81	6.47	13.497	
1,600.00	1,595.02	1,585.52	1,581.20	3.60	3.56	134.29	75.93	27.01	114.27	107.29	6.98	16.367	
1,700.00	1,691.71	1,680.87	1,674.73	3.99	3.86	134.99	94.45	27.15	144.26	136.73	7.53	19.167	
1,800.00	1,787.21	1,775.13	1,767.19	4.46	4.18	136.24	112.76	27.29	177.28	169.18	8.10	21.877	
1,900.00	1,881.32	1,868.10	1,858.40	5.01	4.51	137.70	130.81	27.43	213.46	204.74	8.71	24.494	
2,000.00	1,973.87	1,959.62	1,948.17	5.66	4.83	139.19	148.59	27.57	252.89	243.53	9.35	27.039	
2,100.00	2,064.67	2,049.52	2,036.35	6.42	5.16	140.61	166.05	27.71	295.64	285.62	10.02	29.509	
2,200.00	2,153.57	2,137.61	2,122.77	7.28	5.49	141.93	183.16	27.84	341.75	331.04	10.71	31.910	
2,260.19	2,206.08	2,189.69	2,173.86	7.84	5.69	142.66	193.28	27.92	371.13	359.99	11.14	33.323	
2,300.00	2,240.56	2,223.90	2,207.42	8.24	5.82	143.43	199.92	27.97	391.00	379.55	11.45	34.156	
2,400.00	2,327.15	2,309.82	2,291.70	9.24	6.15	145.07	216.61	28.10	441.10	428.86	12.24	36.050	
2,500.00	2,413.75	2,395.75	2,375.99	10.27	6.48	146.38	233.30	28.23	491.41	478.38	13.04	37.697	
2,600.00	2,500.35	2,481.67	2,460.28	11.31	6.82	147.45	249.99	28.36	541.89	528.05	13.85	39.139	
2,700.00	2,586.95	2,567.59	2,544.56	12.37	7.16	148.33	266.68	28.49	592.48	577.82	14.66	40.409	
2,800.00	2,673.55	2,653.51	2,628.85	13.43	7.50	149.08	283.37	28.62	643.17	627.68	15.48	41.535	
2,900.00	2,760.15	2,739.44	2,713.14	14.51	7.84	149.72	300.06	28.75	693.92	677.61	16.31	42.538	
3,000.00	2,846.74	2,825.36	2,797.42	15.58	8.18	150.27	316.75	28.88	744.73	727.58	17.15	43.436	
3,100.00	2,933.34	2,911.28	2,881.71	16.66	8.53	150.76	333.44	29.01	795.58	777.60	17.98	44.244	
3,200.00	3,019.94	2,997.21	2,965.99	17.75	8.87	151.18	350.13	29.14	846.47	827.65	18.82	44.975	
3,300.00	3,106.54	3,083.13	3,050.28	18.84	9.22	151.56	366.82	29.27	897.39	877.73	19.66	45.637	
3,400.00	3,193.14	3,169.05	3,134.57	19.93	9.57	151.89	383.51	29.40	948.34	927.83	20.51	46.241	
3,465.08	3,249.50	3,224.97	3,189.42	20.64	9.79	152.09	394.37	29.48	981.51	960.45	21.06	46.606	
3,500.00	3,279.84	3,255.07	3,218.95	20.99	9.91	152.38	400.21	29.53	999.14	977.78	21.37	46.764	
3,600.00	3,367.88	3,342.36	3,304.57	21.86	10.27	153.08	417.17	29.66	1,047.85	1,025.63	22.21	47.173	
3,700.00	3,457.52	3,431.15	3,391.68	22.68	10.63	153.62	434.42	29.79	1,093.81	1,070.75	23.06	47.439	
3,800.00	3,548.65	3,521.35	3,480.16	23.43	11.00	154.02	451.93	29.93	1,136.98	1,113.08	23.89	47.582	
3,900.00	3,641.16	3,612.84	3,569.90	24.13	11.37	154.31	469.71	30.07	1,177.30	1,152.57	24.72	47.621	
4,000.00	3,734.94	3,705.51	3,660.81	24.77	11.75	154.49	487.71	30.21	1,214.72	1,189.19	25.54	47.570	
4,100.00	3,829.88	3,799.25	3,752.76	25.34	12.14	154.57	505.91	30.35	1,249.22	1,222.89	26.33	47.441	
4,200.00	3,925.85	3,893.94	3,845.65	25.86	12.53	154.57	524.30	30.49	1,280.77	1,253.66	27.11	47.244	
4,300.00	4,022.74	3,989.47	3,939.36	26.31	12.92	154.48	542.86	30.64	1,309.35	1,281.48	27.87	46.988	
4,400.00	4,120.44	4,085.72	4,033.78	26.70	13.32	154.31	561.56	30.78	1,334.95	1,306.35	28.60	46.679	
4,500.00	4,218.82	4,188.77	4,134.90	27.04	13.72	154.04	581.37	30.94	1,357.51	1,328.19	29.32	46.300	
4,600.00	4,317.77	4,312.06	4,256.69	27.32	14.08	153.78	600.43	31.09	1,375.78	1,345.83	29.95	45.937	
4,700.00	4,417.16	4,437.41	4,381.39	27.54	14.37	153.65	613.06	31.19	1,389.13	1,358.69	30.44	45.637	
4,800.00	4,516.87	4,564.03	4,507.86	27.72	14.59	153.68	618.89	31.23	1,397.47	1,366.68	30.79	45.391	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 11A-16D-12-15 - PR PR US 11A-16D-12-15 - Design #1

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

Survey Program: 0-MWD

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,616.78	4,672.96	4,616.78	27.84	14.74	153.78	619.27	31.23	1,401.19	1,370.17	31.01	45.181	
4,965.32	4,682.10	4,738.27	4,682.10	27.89	14.83	69.99	619.27	31.23	1,401.86	1,370.72	31.14	45.020	
5,000.00	4,716.78	4,772.95	4,716.78	27.92	14.89	69.99	619.27	31.23	1,401.86	1,370.62	31.23	44.885	
5,100.00	4,816.78	4,872.95	4,816.78	28.00	15.04	69.99	619.27	31.23	1,401.86	1,370.35	31.51	44.489	
5,200.00	4,916.78	4,972.95	4,916.78	28.08	15.19	69.99	619.27	31.23	1,401.86	1,370.06	31.79	44.096	
5,300.00	5,016.78	5,072.95	5,016.78	28.16	15.34	69.99	619.27	31.23	1,401.86	1,369.78	32.08	43.703	
5,400.00	5,116.78	5,172.95	5,116.78	28.25	15.50	69.99	619.27	31.23	1,401.86	1,369.49	32.37	43.313	
5,500.00	5,216.78	5,272.95	5,216.78	28.33	15.65	69.99	619.27	31.23	1,401.86	1,369.20	32.66	42.925	
5,600.00	5,316.78	5,372.95	5,316.78	28.42	15.81	69.99	619.27	31.23	1,401.86	1,368.90	32.95	42.540	
5,700.00	5,416.78	5,472.95	5,416.78	28.51	15.97	69.99	619.27	31.23	1,401.86	1,368.60	33.25	42.157	
5,800.00	5,516.78	5,572.95	5,516.78	28.60	16.13	69.99	619.27	31.23	1,401.86	1,368.30	33.56	41.777	
5,900.00	5,616.78	5,672.95	5,616.78	28.69	16.30	69.99	619.27	31.23	1,401.86	1,367.99	33.86	41.399	
6,000.00	5,716.78	5,772.95	5,716.78	28.78	16.46	69.99	619.27	31.23	1,401.86	1,367.68	34.17	41.025	
6,100.00	5,816.78	5,872.95	5,816.78	28.87	16.63	69.99	619.27	31.23	1,401.86	1,367.37	34.48	40.654	
6,200.00	5,916.78	5,972.95	5,916.78	28.97	16.79	69.99	619.27	31.23	1,401.86	1,367.06	34.80	40.286	
6,300.00	6,016.78	6,072.95	6,016.78	29.07	16.96	69.99	619.27	31.23	1,401.86	1,366.74	35.12	39.921	
6,400.00	6,116.78	6,172.95	6,116.78	29.16	17.13	69.99	619.27	31.23	1,401.86	1,366.42	35.44	39.560	
6,500.00	6,216.78	6,272.95	6,216.78	29.26	17.30	69.99	619.27	31.23	1,401.86	1,366.10	35.76	39.202	
6,600.00	6,316.78	6,372.95	6,316.78	29.37	17.48	69.99	619.27	31.23	1,401.86	1,365.77	36.09	38.847	
6,700.00	6,416.78	6,472.95	6,416.78	29.47	17.65	69.99	619.27	31.23	1,401.86	1,365.44	36.41	38.497	
6,800.00	6,516.78	6,572.95	6,516.78	29.57	17.82	69.99	619.27	31.23	1,401.86	1,365.11	36.75	38.150	
6,900.00	6,616.78	6,672.95	6,616.78	29.68	18.00	69.99	619.27	31.23	1,401.86	1,364.78	37.08	37.806	
7,000.00	6,716.78	6,772.95	6,716.78	29.78	18.18	69.99	619.27	31.23	1,401.86	1,364.44	37.42	37.467	
7,100.00	6,816.78	6,872.95	6,816.78	29.89	18.36	69.99	619.27	31.23	1,401.86	1,364.10	37.75	37.131	
7,200.00	6,916.78	6,972.95	6,916.78	30.00	18.53	69.99	619.27	31.23	1,401.86	1,363.76	38.09	36.799	
7,300.00	7,016.78	7,072.95	7,016.78	30.11	18.71	69.99	619.27	31.23	1,401.86	1,363.42	38.44	36.471	
7,382.22	7,099.00	7,155.17	7,099.00	30.20	18.86	69.99	619.27	31.23	1,401.86	1,363.13	38.72	36.204	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 12A-16D-12-15 - PR PR US 12A-16D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	51.02	5.05	6.25	8.04				
100.00	100.00	100.00	100.00	0.09	0.09	51.02	5.05	6.25	8.04	7.85	0.19	43.074	
200.00	200.00	200.00	200.00	0.32	0.32	51.02	5.05	6.25	8.04	7.40	0.64	12.633	
300.00	300.00	300.00	300.00	0.54	0.54	51.02	5.05	6.25	8.04	6.95	1.09	7.402	
400.00	400.00	400.00	400.00	0.77	0.77	51.02	5.05	6.25	8.04	6.50	1.54	5.234	
500.00	500.00	500.00	500.00	0.99	0.99	51.02	5.05	6.25	8.04	6.05	1.98	4.049	
600.00	600.00	600.00	600.00	1.22	1.22	51.02	5.05	6.25	8.04	5.60	2.43	3.301	
700.00	700.00	700.00	700.00	1.44	1.44	51.02	5.05	6.25	8.04	5.15	2.88	2.787	
800.00	800.00	800.00	800.00	1.67	1.67	51.02	5.05	6.25	8.04	4.70	3.33	2.411	
900.00	900.00	900.00	900.00	1.89	1.89	51.02	5.05	6.25	8.04	4.25	3.78	2.124	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	51.02	5.05	6.25	8.04	3.80	4.23	1.899	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	51.02	5.05	6.25	8.04	3.53	4.50	1.785	CC
1,100.00	1,100.00	1,100.05	1,100.05	2.34	2.34	134.25	5.23	5.95	8.16	3.49	4.67	1.746	ES, SF
1,200.00	1,199.91	1,200.14	1,200.06	2.54	2.55	128.90	7.26	2.57	9.63	4.54	5.09	1.893	
1,300.00	1,299.56	1,300.17	1,299.73	2.76	2.78	121.73	11.53	-4.53	12.91	7.39	5.53	2.337	
1,400.00	1,398.75	1,400.06	1,398.82	3.00	3.02	115.91	18.02	-15.34	18.11	12.11	6.00	3.018	
1,500.00	1,497.30	1,499.78	1,497.09	3.27	3.30	111.87	26.72	-29.81	25.24	18.69	6.55	3.855	
1,600.00	1,595.02	1,599.28	1,594.32	3.60	3.62	109.14	37.58	-47.89	34.24	27.06	7.18	4.767	
1,700.00	1,691.71	1,698.51	1,690.28	3.99	4.00	107.25	50.57	-69.50	45.09	37.15	7.94	5.680	
1,800.00	1,787.21	1,797.42	1,784.76	4.46	4.46	105.88	65.63	-94.57	57.75	48.91	8.84	6.535	
1,900.00	1,881.32	1,895.97	1,877.56	5.01	4.99	104.84	82.71	-123.00	72.17	62.27	9.90	7.292	
2,000.00	1,973.87	1,994.14	1,968.49	5.66	5.61	104.01	101.75	-154.69	88.32	77.19	11.13	7.933	
2,100.00	2,064.67	2,091.89	2,057.38	6.42	6.33	103.31	122.68	-189.54	106.17	93.61	12.56	8.455	
2,200.00	2,153.57	2,189.19	2,144.05	7.28	7.14	102.70	145.44	-227.42	125.66	111.49	14.17	8.867	
2,260.19	2,206.08	2,247.52	2,195.09	7.84	7.67	102.36	159.99	-251.63	138.17	122.93	15.23	9.069	
2,300.00	2,240.56	2,286.30	2,228.69	8.24	8.04	102.28	169.96	-268.22	146.66	130.68	15.97	9.181	
2,400.00	2,327.15	2,383.99	2,313.30	9.24	8.99	102.10	195.11	-310.09	168.00	150.12	17.88	9.396	
2,500.00	2,413.75	2,481.69	2,397.91	10.27	9.97	101.95	220.27	-351.95	189.34	169.52	19.83	9.549	
2,600.00	2,500.35	2,579.38	2,482.52	11.31	10.97	101.84	245.42	-393.82	210.69	188.88	21.81	9.660	
2,700.00	2,586.95	2,677.08	2,567.13	12.37	11.98	101.74	270.57	-435.69	232.04	208.22	23.81	9.743	
2,800.00	2,673.55	2,774.77	2,651.73	13.43	12.99	101.66	295.73	-477.56	253.38	227.54	25.84	9.806	
2,900.00	2,760.15	2,872.47	2,736.34	14.51	14.02	101.60	320.88	-519.42	274.73	246.85	27.88	9.855	
3,000.00	2,846.74	2,970.16	2,820.95	15.58	15.05	101.54	346.04	-561.29	296.08	266.15	29.93	9.894	
3,100.00	2,933.34	3,067.85	2,905.56	16.66	16.08	101.49	371.19	-603.16	317.42	285.44	31.99	9.924	
3,200.00	3,019.94	3,165.55	2,990.17	17.75	17.12	101.45	396.35	-645.02	338.77	304.72	34.05	9.949	
3,300.00	3,106.54	3,263.24	3,074.78	18.84	18.17	101.41	421.50	-686.89	360.12	323.99	36.13	9.969	
3,400.00	3,193.14	3,360.94	3,159.39	19.93	19.21	101.38	446.65	-728.76	381.47	343.26	38.20	9.985	
3,465.08	3,249.50	3,424.52	3,214.45	20.64	19.89	101.36	463.03	-756.01	395.36	355.80	39.56	9.994	
3,500.00	3,279.84	3,458.64	3,244.00	20.99	20.26	101.47	471.81	-770.63	402.77	362.51	40.26	10.004	
3,600.00	3,367.88	3,556.41	3,328.67	21.86	21.31	101.46	496.98	-812.53	423.55	381.39	42.16	10.046	
3,700.00	3,457.52	3,654.15	3,413.32	22.68	22.36	101.02	522.15	-854.42	443.71	399.69	44.02	10.081	
3,800.00	3,548.65	3,751.76	3,497.85	23.43	23.41	100.23	547.28	-896.24	463.36	417.55	45.81	10.115	
3,900.00	3,641.16	3,849.10	3,582.16	24.13	24.46	99.11	572.35	-937.96	482.65	435.13	47.52	10.157	
4,000.00	3,734.94	3,949.34	3,669.38	24.77	25.42	97.75	597.79	-980.31	501.58	452.53	49.05	10.226	
4,100.00	3,829.88	4,051.92	3,760.28	25.34	26.28	96.42	622.27	-1,021.05	519.56	469.17	50.39	10.311	
4,200.00	3,925.85	4,155.46	3,853.70	25.86	27.09	95.17	645.26	-1,059.32	536.49	484.90	51.59	10.399	
4,300.00	4,022.74	4,259.96	3,949.54	26.31	27.85	93.97	666.68	-1,094.98	552.30	499.65	52.65	10.490	
4,400.00	4,120.44	4,365.38	4,047.72	26.70	28.54	92.81	686.46	-1,127.89	566.94	513.37	53.57	10.583	
4,500.00	4,218.82	4,471.72	4,148.11	27.04	29.17	91.68	704.51	-1,157.93	580.38	526.03	54.35	10.678	
4,600.00	4,317.77	4,578.94	4,250.58	27.32	29.74	90.56	720.75	-1,184.97	592.58	537.58	55.00	10.774	
4,700.00	4,417.16	4,687.02	4,354.99	27.54	30.24	89.46	735.12	-1,208.88	603.49	547.98	55.51	10.872	
4,800.00	4,516.87	4,795.92	4,461.19	27.72	30.68	88.36	747.53	-1,229.54	613.08	557.20	55.88	10.971	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 12A-16D-12-15 - PR PR US 12A-16D-12-15 - Design #1

Survey Program: 0-MWD

Offset Site Error: 0.00 ft
Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,616.78	4,905.61	4,569.00	27.84	31.05	87.26	757.92	-1,246.83	621.34	565.22	56.12	11.071	
4,965.32	4,682.10	4,977.66	4,640.20	27.89	31.26	2.73	763.58	-1,256.26	626.01	569.80	56.21	11.138	
5,000.00	4,716.78	5,016.06	4,678.26	27.92	31.36	2.32	766.23	-1,260.66	628.23	572.00	56.23	11.172	
5,100.00	4,816.78	5,127.50	4,789.04	28.00	31.60	1.37	772.40	-1,270.95	633.50	577.19	56.31	11.250	
5,200.00	4,916.78	5,239.71	4,900.98	28.08	31.78	0.76	776.38	-1,277.56	636.94	580.52	56.42	11.290	
5,300.00	5,016.78	5,352.35	5,013.56	28.16	31.90	0.50	778.10	-1,280.42	638.44	581.88	56.55	11.289	
5,400.00	5,116.78	5,455.57	5,116.78	28.25	31.97	0.49	778.17	-1,280.54	638.50	581.78	56.72	11.257	
5,500.00	5,216.78	5,555.57	5,216.78	28.33	32.05	0.49	778.17	-1,280.54	638.50	581.61	56.89	11.224	
5,600.00	5,316.78	5,655.57	5,316.78	28.42	32.13	0.49	778.17	-1,280.54	638.50	581.44	57.06	11.190	
5,700.00	5,416.78	5,755.57	5,416.78	28.51	32.20	0.49	778.17	-1,280.54	638.50	581.26	57.24	11.156	
5,800.00	5,516.78	5,855.57	5,516.78	28.60	32.28	0.49	778.17	-1,280.54	638.50	581.09	57.41	11.121	
5,900.00	5,616.78	5,955.57	5,616.78	28.69	32.37	0.49	778.17	-1,280.54	638.50	580.91	57.60	11.086	
6,000.00	5,716.78	6,055.57	5,716.78	28.78	32.45	0.49	778.17	-1,280.54	638.50	580.72	57.78	11.051	
6,100.00	5,816.78	6,155.57	5,816.78	28.87	32.53	0.49	778.17	-1,280.54	638.50	580.54	57.97	11.015	
6,200.00	5,916.78	6,255.57	5,916.78	28.97	32.62	0.49	778.17	-1,280.54	638.50	580.35	58.16	10.979	
6,300.00	6,016.78	6,355.57	6,016.78	29.07	32.70	0.49	778.17	-1,280.54	638.50	580.15	58.35	10.943	
6,400.00	6,116.78	6,455.57	6,116.78	29.16	32.79	0.49	778.17	-1,280.54	638.50	579.96	58.54	10.907	
6,500.00	6,216.78	6,555.57	6,216.78	29.26	32.88	0.49	778.17	-1,280.54	638.50	579.76	58.74	10.870	
6,600.00	6,316.78	6,655.57	6,316.78	29.37	32.97	0.49	778.17	-1,280.54	638.50	579.56	58.94	10.833	
6,700.00	6,416.78	6,755.57	6,416.78	29.47	33.06	0.49	778.17	-1,280.54	638.50	579.36	59.15	10.795	
6,800.00	6,516.78	6,855.57	6,516.78	29.57	33.15	0.49	778.17	-1,280.54	638.50	579.15	59.35	10.758	
6,900.00	6,616.78	6,955.57	6,616.78	29.68	33.25	0.49	778.17	-1,280.54	638.50	578.94	59.56	10.720	
7,000.00	6,716.78	7,055.57	6,716.78	29.78	33.34	0.49	778.17	-1,280.54	638.50	578.73	59.77	10.682	
7,100.00	6,816.78	7,155.57	6,816.78	29.89	33.44	0.49	778.17	-1,280.54	638.50	578.51	59.99	10.644	
7,200.00	6,916.78	7,255.57	6,916.78	30.00	33.54	0.49	778.17	-1,280.54	638.50	578.30	60.20	10.606	
7,300.00	7,016.78	7,355.57	7,016.78	30.11	33.63	0.49	778.17	-1,280.54	638.50	578.08	60.42	10.567	
7,382.22	7,099.00	7,437.79	7,099.00	30.20	33.72	0.49	778.17	-1,280.54	638.50	577.90	60.60	10.536	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 13A-16D-12-15 - PR PR US 13A-16D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-119.99	-4.06	-7.03	8.11				
100.00	100.00	100.00	100.00	0.09	0.09	-119.99	-4.06	-7.03	8.11	7.93	0.19	43.495	
200.00	200.00	200.00	200.00	0.32	0.32	-119.99	-4.06	-7.03	8.11	7.48	0.64	12.756	
300.00	300.00	300.00	300.00	0.54	0.54	-119.99	-4.06	-7.03	8.11	7.03	1.09	7.474	
400.00	400.00	400.00	400.00	0.77	0.77	-119.99	-4.06	-7.03	8.11	6.58	1.54	5.286	
500.00	500.00	500.00	500.00	0.99	0.99	-119.99	-4.06	-7.03	8.11	6.13	1.98	4.088	
600.00	600.00	600.00	600.00	1.22	1.22	-119.99	-4.06	-7.03	8.11	5.68	2.43	3.333	
700.00	700.00	700.00	700.00	1.44	1.44	-119.99	-4.06	-7.03	8.11	5.23	2.88	2.814	
800.00	800.00	800.00	800.00	1.67	1.67	-119.99	-4.06	-7.03	8.11	4.78	3.33	2.434	
900.00	900.00	900.00	900.00	1.89	1.89	-119.99	-4.06	-7.03	8.11	4.33	3.78	2.145	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-119.99	-4.06	-7.03	8.11	3.88	4.23	1.917	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	-119.99	-4.06	-7.03	8.11	3.61	4.50	1.802	CC
1,100.00	1,100.00	1,099.86	1,099.86	2.34	2.33	-37.30	-4.19	-7.35	8.18	3.51	4.67	1.752	ES, SF
1,200.00	1,199.91	1,199.48	1,199.39	2.54	2.52	-48.52	-5.66	-10.95	9.10	4.04	5.06	1.798	
1,300.00	1,299.56	1,299.01	1,298.57	2.76	2.73	-64.94	-8.77	-18.55	11.85	6.38	5.47	2.165	
1,400.00	1,398.75	1,398.37	1,397.14	3.00	2.96	-78.16	-13.50	-30.10	17.07	11.13	5.94	2.875	
1,500.00	1,497.30	1,497.51	1,494.86	3.27	3.22	-86.54	-19.83	-45.56	24.78	18.30	6.48	3.826	
1,600.00	1,595.02	1,596.36	1,591.48	3.60	3.54	-91.61	-27.73	-64.85	34.80	27.69	7.11	4.897	
1,700.00	1,691.71	1,694.87	1,686.78	3.99	3.91	-94.74	-37.16	-87.89	47.01	39.15	7.86	5.984	
1,800.00	1,787.21	1,792.97	1,780.54	4.46	4.36	-96.73	-48.09	-114.58	61.32	52.57	8.75	7.010	
1,900.00	1,881.32	1,890.63	1,872.56	5.01	4.90	-98.02	-60.46	-144.81	77.67	67.88	9.80	7.927	
2,000.00	1,973.87	1,987.78	1,962.65	5.66	5.51	-98.85	-74.24	-178.46	96.01	84.99	11.02	8.712	
2,100.00	2,064.67	2,084.41	2,050.63	6.42	6.22	-99.38	-89.37	-215.40	116.27	103.85	12.42	9.362	
2,200.00	2,153.57	2,180.46	2,136.35	7.28	7.01	-99.70	-105.78	-255.49	138.40	124.40	14.00	9.884	
2,260.19	2,206.08	2,237.98	2,186.79	7.84	7.53	-99.81	-116.25	-281.08	152.60	137.56	15.04	10.147	
2,300.00	2,240.56	2,276.21	2,219.95	8.24	7.88	-100.00	-123.46	-298.68	162.28	146.52	15.76	10.297	
2,400.00	2,327.15	2,373.19	2,303.94	9.24	8.83	-100.31	-141.84	-343.56	186.66	169.03	17.63	10.586	
2,500.00	2,413.75	2,470.16	2,387.92	10.27	9.79	-100.55	-160.21	-388.44	211.05	191.51	19.55	10.797	
2,600.00	2,500.35	2,567.14	2,471.90	11.31	10.77	-100.74	-178.58	-433.32	235.44	213.95	21.49	10.955	
2,700.00	2,586.95	2,664.12	2,555.88	12.37	11.76	-100.90	-196.96	-478.19	259.83	236.37	23.46	11.075	
2,800.00	2,673.55	2,761.10	2,639.86	13.43	12.75	-101.03	-215.33	-523.07	284.23	258.78	25.45	11.169	
2,900.00	2,760.15	2,858.07	2,723.85	14.51	13.76	-101.13	-233.70	-567.95	308.62	281.17	27.45	11.243	
3,000.00	2,846.74	2,955.05	2,807.83	15.58	14.77	-101.23	-252.08	-612.83	333.02	303.56	29.46	11.303	
3,100.00	2,933.34	3,052.03	2,891.81	16.66	15.78	-101.31	-270.45	-657.71	357.42	325.93	31.48	11.352	
3,200.00	3,019.94	3,149.01	2,975.79	17.75	16.80	-101.38	-288.82	-702.58	381.81	348.30	33.51	11.393	
3,300.00	3,106.54	3,245.98	3,059.78	18.84	17.82	-101.44	-307.20	-747.46	406.21	370.66	35.55	11.427	
3,400.00	3,193.14	3,342.96	3,143.76	19.93	18.85	-101.49	-325.57	-792.34	430.61	393.02	37.59	11.456	
3,465.08	3,249.50	3,406.08	3,198.42	20.64	19.51	-101.52	-337.53	-821.55	446.49	407.57	38.92	11.472	
3,500.00	3,279.84	3,439.95	3,227.75	20.99	19.87	-101.68	-343.94	-837.22	454.97	415.35	39.61	11.485	
3,600.00	3,367.88	3,537.03	3,311.82	21.86	20.90	-101.85	-362.34	-882.15	478.79	437.31	41.47	11.544	
3,700.00	3,457.52	3,634.16	3,395.94	22.68	21.93	-101.63	-380.74	-927.10	501.95	458.67	43.28	11.598	
3,800.00	3,548.65	3,736.02	3,485.04	23.43	22.84	-101.22	-399.43	-972.76	524.08	479.17	44.91	11.669	
3,900.00	3,641.16	3,838.70	3,576.58	24.13	23.65	-100.84	-417.05	-1,015.79	544.75	498.36	46.39	11.744	
4,000.00	3,734.94	3,942.17	3,670.45	24.77	24.41	-100.48	-433.54	-1,056.06	563.90	516.15	47.75	11.809	
4,100.00	3,829.88	4,046.40	3,766.54	25.34	25.12	-100.13	-448.84	-1,093.43	581.50	532.49	49.00	11.866	
4,200.00	3,925.85	4,151.37	3,864.73	25.86	25.78	-99.79	-462.89	-1,127.76	597.51	547.37	50.14	11.916	
4,300.00	4,022.74	4,257.03	3,964.87	26.31	26.38	-99.44	-475.66	-1,158.94	611.89	560.74	51.16	11.960	
4,400.00	4,120.44	4,363.35	4,066.81	26.70	26.91	-99.10	-487.08	-1,186.84	624.63	572.57	52.06	11.998	
4,500.00	4,218.82	4,470.27	4,170.39	27.04	27.39	-98.74	-497.11	-1,211.35	635.67	582.84	52.84	12.031	
4,600.00	4,317.77	4,577.74	4,275.44	27.32	27.81	-98.37	-505.72	-1,232.36	645.01	591.51	53.50	12.057	
4,700.00	4,417.16	4,685.72	4,381.75	27.54	28.16	-97.99	-512.85	-1,249.79	652.62	598.58	54.04	12.077	
4,800.00	4,516.87	4,794.13	4,489.14	27.72	28.45	-97.59	-518.48	-1,263.54	658.48	604.01	54.47	12.090	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 13A-16D-12-15 - PR PR US 13A-16D-12-15 - Design #1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,616.78	4,902.93	4,597.39	27.84	28.68	-97.18	-522.58	-1,273.55	662.58	607.80	54.78	12.095	
4,965.32	4,682.10	4,974.18	4,668.47	27.89	28.80	179.31	-524.42	-1,278.05	664.30	609.38	54.92	12.096	
5,000.00	4,716.78	5,012.06	4,706.31	27.92	28.85	179.46	-525.13	-1,279.77	664.93	609.94	54.98	12.093	
5,100.00	4,816.78	5,121.50	4,815.70	28.00	28.96	179.66	-526.10	-1,282.14	665.80	610.64	55.16	12.071	
5,200.00	4,916.78	5,222.57	4,916.78	28.08	29.04	179.67	-526.11	-1,282.17	665.81	610.49	55.32	12.036	
5,300.00	5,016.78	5,322.57	5,016.78	28.16	29.12	179.67	-526.11	-1,282.17	665.81	610.33	55.48	12.001	
5,400.00	5,116.78	5,422.57	5,116.78	28.25	29.19	179.67	-526.11	-1,282.17	665.81	610.16	55.65	11.965	
5,500.00	5,216.78	5,522.57	5,216.78	28.33	29.27	179.67	-526.11	-1,282.17	665.81	609.99	55.82	11.928	
5,600.00	5,316.78	5,622.57	5,316.78	28.42	29.36	179.67	-526.11	-1,282.17	665.81	609.82	55.99	11.891	
5,700.00	5,416.78	5,722.57	5,416.78	28.51	29.44	179.67	-526.11	-1,282.17	665.81	609.64	56.17	11.854	
5,800.00	5,516.78	5,822.57	5,516.78	28.60	29.52	179.67	-526.11	-1,282.17	665.81	609.46	56.35	11.816	
5,900.00	5,616.78	5,922.57	5,616.78	28.69	29.61	179.67	-526.11	-1,282.17	665.81	609.28	56.53	11.777	
6,000.00	5,716.78	6,022.57	5,716.78	28.78	29.70	179.67	-526.11	-1,282.17	665.81	609.09	56.72	11.739	
6,100.00	5,816.78	6,122.57	5,816.78	28.87	29.79	179.67	-526.11	-1,282.17	665.81	608.90	56.91	11.700	
6,200.00	5,916.78	6,222.57	5,916.78	28.97	29.88	179.67	-526.11	-1,282.17	665.81	608.71	57.10	11.661	
6,300.00	6,016.78	6,322.57	6,016.78	29.07	29.97	179.67	-526.11	-1,282.17	665.81	608.52	57.29	11.621	
6,400.00	6,116.78	6,422.57	6,116.78	29.16	30.06	179.67	-526.11	-1,282.17	665.81	608.32	57.49	11.581	
6,500.00	6,216.78	6,522.57	6,216.78	29.26	30.16	179.67	-526.11	-1,282.17	665.81	608.12	57.69	11.541	
6,600.00	6,316.78	6,622.57	6,316.78	29.37	30.25	179.67	-526.11	-1,282.17	665.81	607.91	57.89	11.500	
6,700.00	6,416.78	6,722.57	6,416.78	29.47	30.35	179.67	-526.11	-1,282.17	665.81	607.71	58.10	11.460	
6,800.00	6,516.78	6,822.57	6,516.78	29.57	30.45	179.67	-526.11	-1,282.17	665.81	607.50	58.31	11.419	
6,900.00	6,616.78	6,922.57	6,616.78	29.68	30.55	179.67	-526.11	-1,282.17	665.81	607.29	58.52	11.377	
7,000.00	6,716.78	7,022.57	6,716.78	29.78	30.65	179.67	-526.11	-1,282.17	665.81	607.07	58.73	11.336	
7,100.00	6,816.78	7,122.57	6,816.78	29.89	30.75	179.67	-526.11	-1,282.17	665.81	606.86	58.95	11.294	
7,200.00	6,916.78	7,222.57	6,916.78	30.00	30.86	179.67	-526.11	-1,282.17	665.81	606.64	59.17	11.252	
7,300.00	7,016.78	7,322.57	7,016.78	30.11	30.96	179.67	-526.11	-1,282.17	665.81	606.42	59.39	11.210	
7,382.22	7,099.00	7,404.79	7,099.00	30.20	31.05	179.67	-526.11	-1,282.17	665.81	606.23	59.58	11.176	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 15A-16D-12-15 - PR PR US 15A-16D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	55.81	8.99	13.24	16.00				
100.00	100.00	100.00	100.00	0.09	0.09	55.81	8.99	13.24	16.00	15.82	0.19	85.780	
200.00	200.00	200.00	200.00	0.32	0.32	55.81	8.99	13.24	16.00	15.37	0.64	25.158	
300.00	300.00	300.00	300.00	0.54	0.54	55.81	8.99	13.24	16.00	14.92	1.09	14.741	
400.00	400.00	400.00	400.00	0.77	0.77	55.81	8.99	13.24	16.00	14.47	1.54	10.424	
500.00	500.00	500.00	500.00	0.99	0.99	55.81	8.99	13.24	16.00	14.02	1.98	8.063	
600.00	600.00	600.00	600.00	1.22	1.22	55.81	8.99	13.24	16.00	13.57	2.43	6.574	
700.00	700.00	700.00	700.00	1.44	1.44	55.81	8.99	13.24	16.00	13.12	2.88	5.549	
800.00	800.00	800.00	800.00	1.67	1.67	55.81	8.99	13.24	16.00	12.67	3.33	4.801	
900.00	900.00	900.00	900.00	1.89	1.89	55.81	8.99	13.24	16.00	12.22	3.78	4.230	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	55.81	8.99	13.24	16.00	11.77	4.23	3.781	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	55.81	8.99	13.24	16.00	11.50	4.50	3.555	CC, ES
1,100.00	1,100.00	1,099.84	1,099.84	2.34	2.33	141.40	8.86	13.55	16.46	11.79	4.67	3.527	SF
1,200.00	1,199.91	1,198.97	1,198.89	2.54	2.52	155.88	7.32	17.10	22.45	17.39	5.06	4.438	
1,300.00	1,299.56	1,296.58	1,296.16	2.76	2.72	169.30	4.16	24.44	37.18	31.72	5.46	6.810	
1,400.00	1,398.75	1,391.66	1,390.51	3.00	2.94	176.76	-0.50	35.23	60.91	55.04	5.86	10.390	
1,500.00	1,497.30	1,483.30	1,480.90	3.27	3.18	-179.26	-6.45	49.03	93.01	86.75	6.26	14.856	
1,600.00	1,595.02	1,570.73	1,566.52	3.60	3.45	-176.96	-13.46	65.27	132.91	126.26	6.65	19.983	
1,700.00	1,691.71	1,653.35	1,646.74	3.99	3.75	-175.52	-21.27	83.37	180.09	173.05	7.03	25.609	
1,800.00	1,787.21	1,730.70	1,721.16	4.46	4.07	-174.52	-29.61	102.70	234.00	226.60	7.40	31.617	
1,900.00	1,881.32	1,800.00	1,787.21	5.01	4.40	-173.79	-37.93	121.98	294.13	286.37	7.75	37.940	
2,000.00	1,973.87	1,868.52	1,851.86	5.66	4.78	-173.16	-46.93	142.83	359.90	351.80	8.11	44.404	
2,100.00	2,064.67	1,928.80	1,908.14	6.42	5.14	-172.63	-55.48	162.63	430.82	422.39	8.44	51.049	
2,200.00	2,153.57	1,983.36	1,958.58	7.28	5.50	-172.12	-63.71	181.72	506.37	497.59	8.78	57.678	
2,260.19	2,206.08	2,013.50	1,986.23	7.84	5.71	-171.81	-68.47	192.74	553.85	544.88	8.97	61.714	
2,300.00	2,240.56	2,032.56	2,003.63	8.24	5.85	-171.79	-71.55	199.88	585.83	576.67	9.16	63.973	
2,400.00	2,327.15	2,078.63	2,045.42	9.24	6.20	-171.74	-79.23	217.68	666.98	657.36	9.62	69.340	
2,500.00	2,413.75	2,122.26	2,084.63	10.27	6.55	-171.67	-86.81	235.25	749.23	739.14	10.09	74.280	
2,600.00	2,500.35	2,163.60	2,121.45	11.31	6.91	-171.60	-94.27	252.53	832.51	821.95	10.56	78.829	
2,700.00	2,586.95	2,200.00	2,153.57	12.37	7.22	-171.53	-101.05	268.24	916.74	905.71	11.03	83.119	
2,800.00	2,673.55	2,240.02	2,188.57	13.43	7.60	-171.45	-108.74	286.05	1,001.82	990.31	11.52	86.970	
2,900.00	2,760.15	2,282.78	2,225.65	14.51	8.01	-171.37	-117.17	305.61	1,087.65	1,075.63	12.02	90.515	
3,000.00	2,846.74	2,333.90	2,269.93	15.58	8.52	-171.28	-127.30	329.07	1,173.59	1,161.06	12.53	93.661	
3,100.00	2,933.34	2,385.02	2,314.20	16.66	9.04	-171.20	-137.42	352.53	1,259.53	1,246.49	13.04	96.572	
3,200.00	3,019.94	2,436.15	2,358.48	17.75	9.56	-171.13	-147.55	375.99	1,345.47	1,331.91	13.56	99.209	
3,300.00	3,106.54	2,487.27	2,402.76	18.84	10.08	-171.07	-157.67	399.45	1,431.41	1,417.33	14.08	101.636	
3,400.00	3,193.14	2,538.39	2,447.04	19.93	10.61	-171.02	-167.79	422.91	1,517.35	1,502.74	14.61	103.843	
3,465.08	3,249.50	2,571.67	2,475.86	20.64	10.96	-170.98	-174.38	438.18	1,573.29	1,558.33	14.96	105.189	
3,500.00	3,279.84	2,589.69	2,491.48	20.99	11.15	-171.15	-177.95	446.45	1,603.19	1,588.01	15.18	105.644	
3,600.00	3,367.88	2,643.30	2,537.91	21.86	11.71	-171.55	-188.57	471.05	1,687.59	1,671.80	15.79	106.898	
3,700.00	3,457.52	2,699.78	2,586.82	22.68	12.31	-171.87	-199.75	496.97	1,770.09	1,753.70	16.40	107.960	
3,800.00	3,548.65	2,759.05	2,638.16	23.43	12.94	-172.14	-211.49	524.17	1,850.60	1,833.59	17.01	108.822	
3,900.00	3,641.16	2,821.05	2,691.86	24.13	13.60	-172.35	-223.77	552.62	1,929.01	1,911.40	17.61	109.548	
4,000.00	3,734.94	2,885.70	2,747.86	24.77	14.29	-172.52	-236.57	582.29	2,005.23	1,987.02	18.21	110.144	
4,100.00	3,829.88	2,952.93	2,806.09	25.34	15.01	-172.66	-249.88	613.14	2,079.17	2,060.38	18.79	110.628	
4,200.00	3,925.85	3,022.64	2,866.47	25.86	15.76	-172.76	-263.69	645.13	2,150.74	2,131.37	19.37	111.023	
4,300.00	4,022.74	3,094.77	2,928.94	26.31	16.54	-172.84	-277.97	678.23	2,219.86	2,199.93	19.94	111.337	
4,400.00	4,120.44	3,169.21	2,993.41	26.70	17.35	-172.90	-292.71	712.39	2,286.45	2,265.96	20.49	111.578	
4,500.00	4,218.82	3,245.87	3,059.82	27.04	18.18	-172.93	-307.90	747.57	2,350.43	2,329.40	21.03	111.762	
4,600.00	4,317.77	3,324.68	3,128.07	27.32	19.04	-172.95	-323.50	783.74	2,411.72	2,390.16	21.55	111.896	
4,700.00	4,417.16	3,405.51	3,198.09	27.54	19.92	-172.95	-339.51	820.83	2,470.25	2,448.19	22.06	111.987	
4,800.00	4,516.87	3,488.29	3,269.79	27.72	20.82	-172.93	-355.90	858.82	2,525.95	2,503.40	22.55	112.040	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design PR PR US 11-16 PAD - PR PR US 15A-16D-12-15 - PR PR US 15A-16D-12-15 - Design #1 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,616.78	3,572.91	3,343.08	27.84	21.74	-172.90	-372.66	897.65	2,578.76	2,555.75	23.01	112.061	
4,965.32	4,682.10	3,629.13	3,391.77	27.89	22.36	103.33	-383.79	923.45	2,611.67	2,588.37	23.31	112.062	
5,000.00	4,716.78	3,659.16	3,417.78	27.92	22.69	103.39	-389.74	937.23	2,628.81	2,605.33	23.47	111.998	
5,100.00	4,816.78	5,131.77	4,816.78	28.00	30.12	104.81	-540.27	1,286.07	2,660.47	2,633.07	27.40	97.098	
5,200.00	4,916.78	5,231.77	4,916.78	28.08	30.20	104.81	-540.27	1,286.07	2,660.47	2,632.77	27.70	96.055	
5,300.00	5,016.78	5,331.77	5,016.78	28.16	30.27	104.81	-540.27	1,286.07	2,660.47	2,632.47	28.00	95.019	
5,400.00	5,116.78	5,431.77	5,116.78	28.25	30.35	104.81	-540.27	1,286.07	2,660.47	2,632.16	28.30	93.993	
5,500.00	5,216.78	5,531.77	5,216.78	28.33	30.43	104.81	-540.27	1,286.07	2,660.47	2,631.85	28.61	92.977	
5,600.00	5,316.78	5,631.77	5,316.78	28.42	30.51	104.81	-540.27	1,286.07	2,660.47	2,631.54	28.93	91.970	
5,700.00	5,416.78	5,731.77	5,416.78	28.51	30.59	104.81	-540.27	1,286.07	2,660.47	2,631.22	29.24	90.975	
5,800.00	5,516.78	5,831.77	5,516.78	28.60	30.67	104.81	-540.27	1,286.07	2,660.47	2,630.90	29.56	89.990	
5,900.00	5,616.78	5,931.77	5,616.78	28.69	30.75	104.81	-540.27	1,286.07	2,660.47	2,630.58	29.89	89.016	
6,000.00	5,716.78	6,031.77	5,716.78	28.78	30.84	104.81	-540.27	1,286.07	2,660.47	2,630.25	30.21	88.053	
6,100.00	5,816.78	6,131.77	5,816.78	28.87	30.93	104.81	-540.27	1,286.07	2,660.47	2,629.92	30.54	87.103	
6,200.00	5,916.78	6,231.77	5,916.78	28.97	31.01	104.81	-540.27	1,286.07	2,660.47	2,629.59	30.88	86.164	
6,300.00	6,016.78	6,331.77	6,016.78	29.07	31.10	104.81	-540.27	1,286.07	2,660.47	2,629.25	31.21	85.237	
6,400.00	6,116.78	6,431.77	6,116.78	29.16	31.19	104.81	-540.27	1,286.07	2,660.47	2,628.91	31.55	84.322	
6,500.00	6,216.78	6,531.77	6,216.78	29.26	31.29	104.81	-540.27	1,286.07	2,660.47	2,628.57	31.89	83.420	
6,600.00	6,316.78	6,631.77	6,316.78	29.37	31.38	104.81	-540.27	1,286.07	2,660.47	2,628.23	32.24	82.530	
6,700.00	6,416.78	6,731.77	6,416.78	29.47	31.48	104.81	-540.27	1,286.07	2,660.47	2,627.88	32.58	81.652	
6,800.00	6,516.78	6,831.77	6,516.78	29.57	31.57	104.81	-540.27	1,286.07	2,660.47	2,627.53	32.93	80.787	
6,900.00	6,616.78	6,931.77	6,616.78	29.68	31.67	104.81	-540.27	1,286.07	2,660.47	2,627.18	33.28	79.934	
7,000.00	6,716.78	7,031.77	6,716.78	29.78	31.77	104.81	-540.27	1,286.07	2,660.47	2,626.83	33.64	79.093	
7,100.00	6,816.78	7,131.77	6,816.78	29.89	31.87	104.81	-540.27	1,286.07	2,660.47	2,626.47	33.99	78.265	
7,200.00	6,916.78	7,231.77	6,916.78	30.00	31.97	104.81	-540.27	1,286.07	2,660.47	2,626.11	34.35	77.449	
7,300.00	7,016.78	7,331.77	7,016.78	30.11	32.07	104.81	-540.27	1,286.07	2,660.47	2,625.75	34.71	76.645	
7,382.22	7,099.00	7,413.99	7,099.00	30.20	32.16	104.81	-540.27	1,286.07	2,660.47	2,625.46	35.01	75.993	

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
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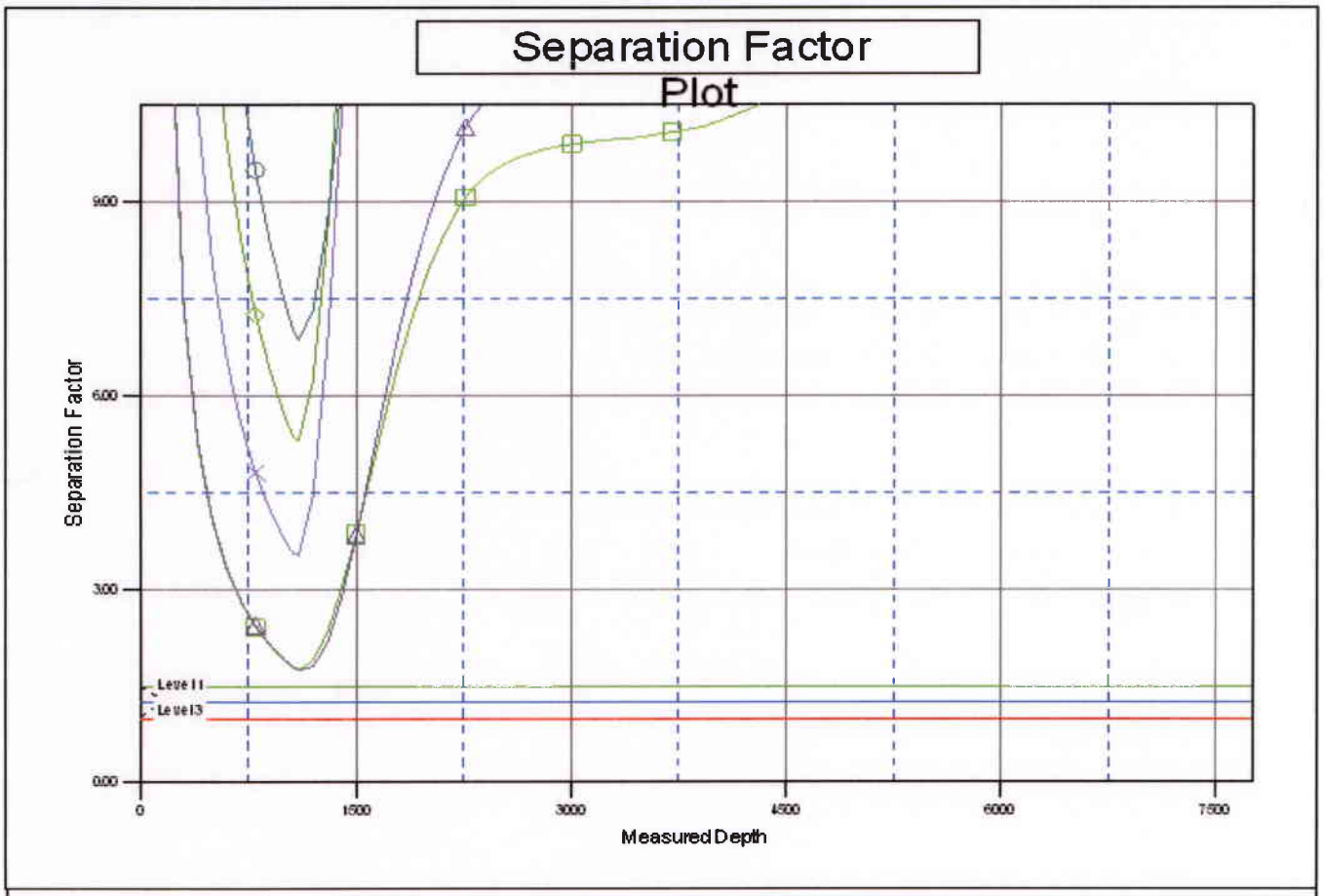
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL KB @ 7068.70ft (Original Well Coordinates are relative to: PR PR US 12-16D-12-15
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302
Central Meridian is 111° 30' 0.000 W ° Grid Convergence at Surface is: 0.80°

Company:	BILL BARRETT CORP	**Local Co-ordinate Reference:**	Well PR PR US 12-16D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	**TVD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Reference Site:	PR PR US 11-16 PAD	**MD Reference:**	WELL KB @ 7068.70ft (Original Well Elev)
Site Error:	0.00ft	**North Reference:**	True
Reference Well:	PR PR US 12-16D-12-15	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00ft	**Output errors are at**	2.00 sigma
Reference Wellbore	PR PR US 12-16D-12-15	**Database:**	EDM 2003.21 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL KB @ 7068.70ft (Original Well
Offset Depths are relative to Offset Datum
Central Meridian is 111° 30' 0.000 W °

Coordinates are relative to: PR PR US 12-16D-12-15
Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302
Grid Convergence at Surface is: 0.80°



LEGEND

PRPR US 12A-16D-12-15, Design #1 V0
PRPR US 13A-16D-12-15, Design #1 V0
PRPR US 10-16D-12-15, PRPR US 10-16D-12-15, Design #1 V0
PRPR US 11A-16D-12-15, PRPR US 11A-16D-12-15, Design #1 V0
PRPR US 15A-16D-12-15, PR PR

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. **Type:** Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

B. **Pressure Rating:** 3,000 psi

C. **Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirmentsof the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2.*

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

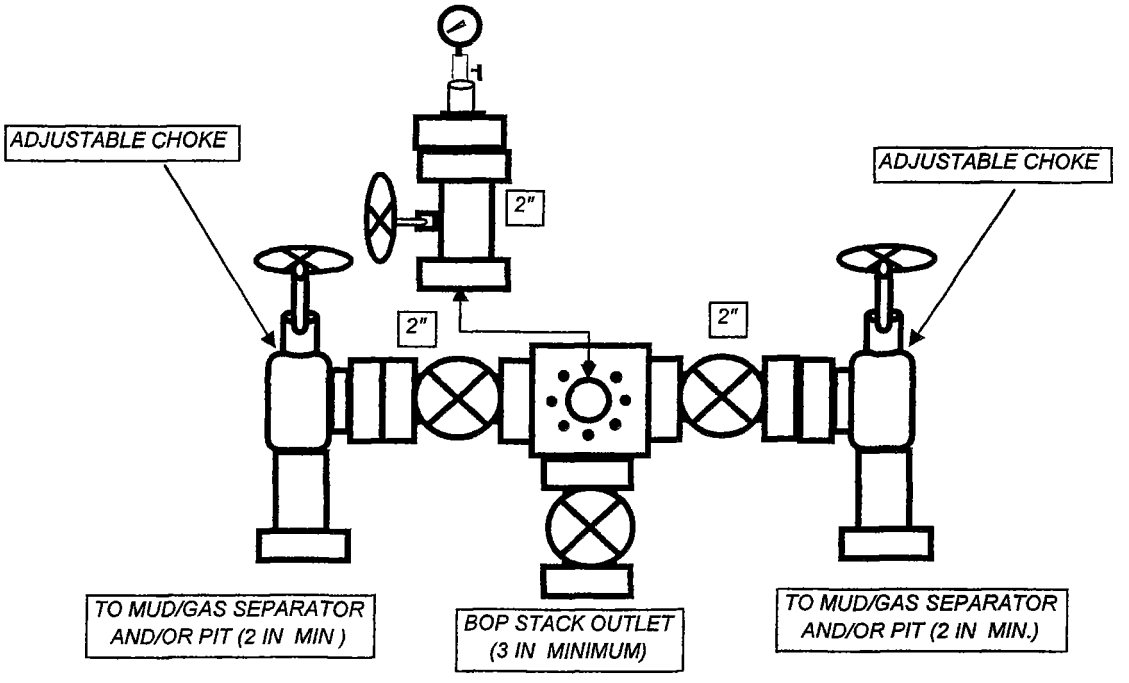
F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2.* The choke manifold will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

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

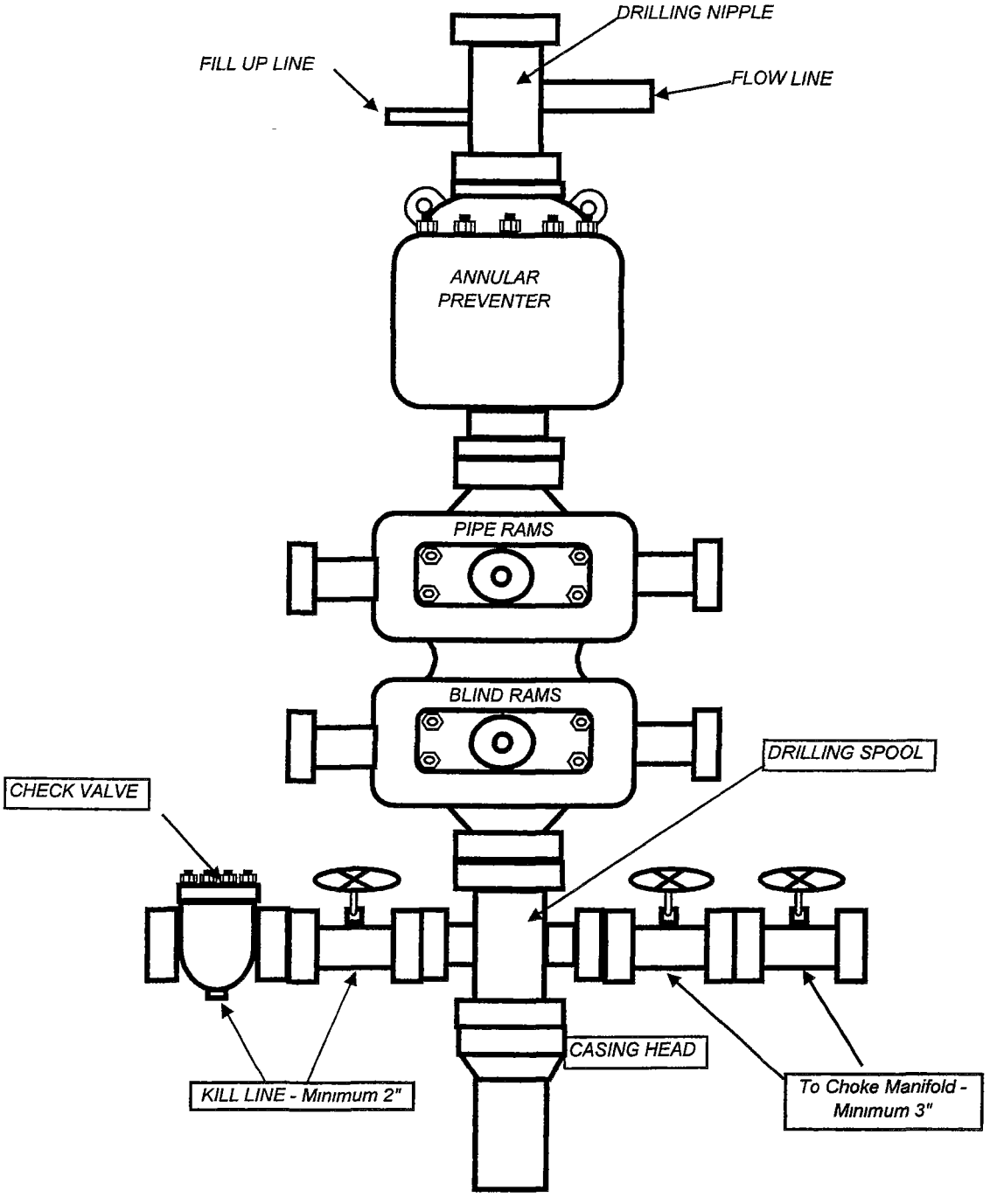
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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



-----Original Message-----
From: Jim Davis [mailto:jimdavis1@utah.gov]
Sent: Monday, September 15, 2008 11:05 AM
To: Tracey Fallang
Cc: Ed Bonner; LaVonne Garrison; Martha Hayden
Subject: Re: Fwd: State Section 16 Wells

Tracey,
For changes being made to existing well pads in section 16, T12S-R15E, SITLA and the UGS are waiving the paleo survey requirement. If, however paleontological resources are discovered during construction, operations must be suspended and SITLA should be contacted immediately. Please contact me with any questions you may have. Thanks.

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

>>> Martha Hayden 9/15/2008 10:05 AM >>>
Hi Jim,

Yes, I think it is fine to waive the paleo survey for this project. Martha

Martha Hayden
Utah Geological Survey
1594 W. North Temple
P.O. Box 146100
Salt Lake City UT 84114-6100
(801) 537-3311
(801) 537-3400 (FAX)
marthahayden@utah.gov

Beginning August 8, 2008, our offices will be closed on Friday. Our office hours of operation will be expanded to 7:00 a.m. to 6:00 p.m., Monday through Thursday (except holidays).

>>> Jim Davis 09/15/2008 8:06 am >>>
Martha,
We've had the same question posed from the same operator in the same area before. You and I were comfortable waiving the paleo requirement then, I'm okay with it now, do you have any objections? Thanks.
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

>>>>>>>>>>>>>>>>> From Tracey at Barrett
Jim, SITLA had waived the paleo survey requirements on wells we added to an existing pad (7-16) in Section 16, T12S-R15E (we corresponded on this early

this week). We are in the process of adding additional wells to more existing pads in the same section. The plat package attached indicates 6 wells we are adding to the existing 11-16 pad. Additional disturbance to the pad is minimal, approximately 1.7 acres. Again, in and around on Prickly Pear mesa, Bill Barrett has provided actual paleo monitoring during construction on federal lands, with few if any fossils uncovered. We'd like to ask again for a waiver to a paleo survey on this pad. If anything would be uncovered during the additional construction, operations would cease and we would contact you immediately.

I appreciate you checking in to this. I can be reached at 303-312-8134.

Thank you.

BILL BARRETT CORPORATION
PRICKLY PEAR UNIT STATE #13A-16D-12-15, #12-16D-12-15, #12A-16D-12-15, #15A-16D-12-15, #10-16D-12-15 & #11A-16D-12-15
SECTION 16, 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 RIGHT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHWESTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ACCESS FOR THE PP #13-16 TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ACCESS FOR PP #11-16 TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.1 MILES.

BILL BARRETT CORPORATION

PRICKLEY PEAR UNIT STATE #13A-16D-12-15, #12-16D-12-15, #12A-16D-12-15, #15A-16D-12-15, #10-16D-12-15 & #11A-16D-12-15

LOCATED IN CARBON COUNTY, UTAH

SECTION 16, T12S, R15E, S.L.B.&M.

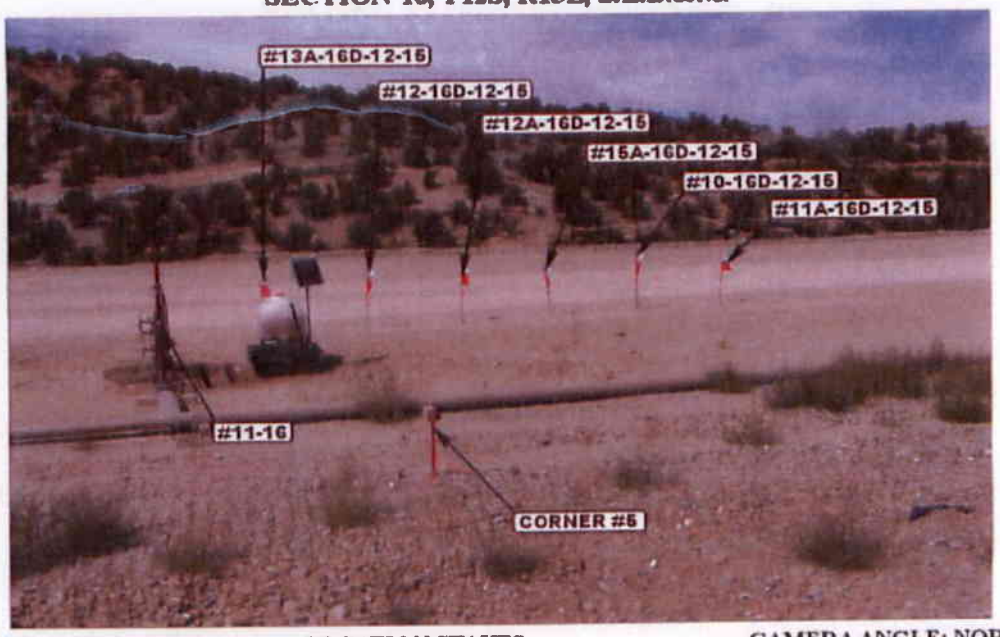


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES **CAMERA ANGLE: NORTHERLY**

PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -

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

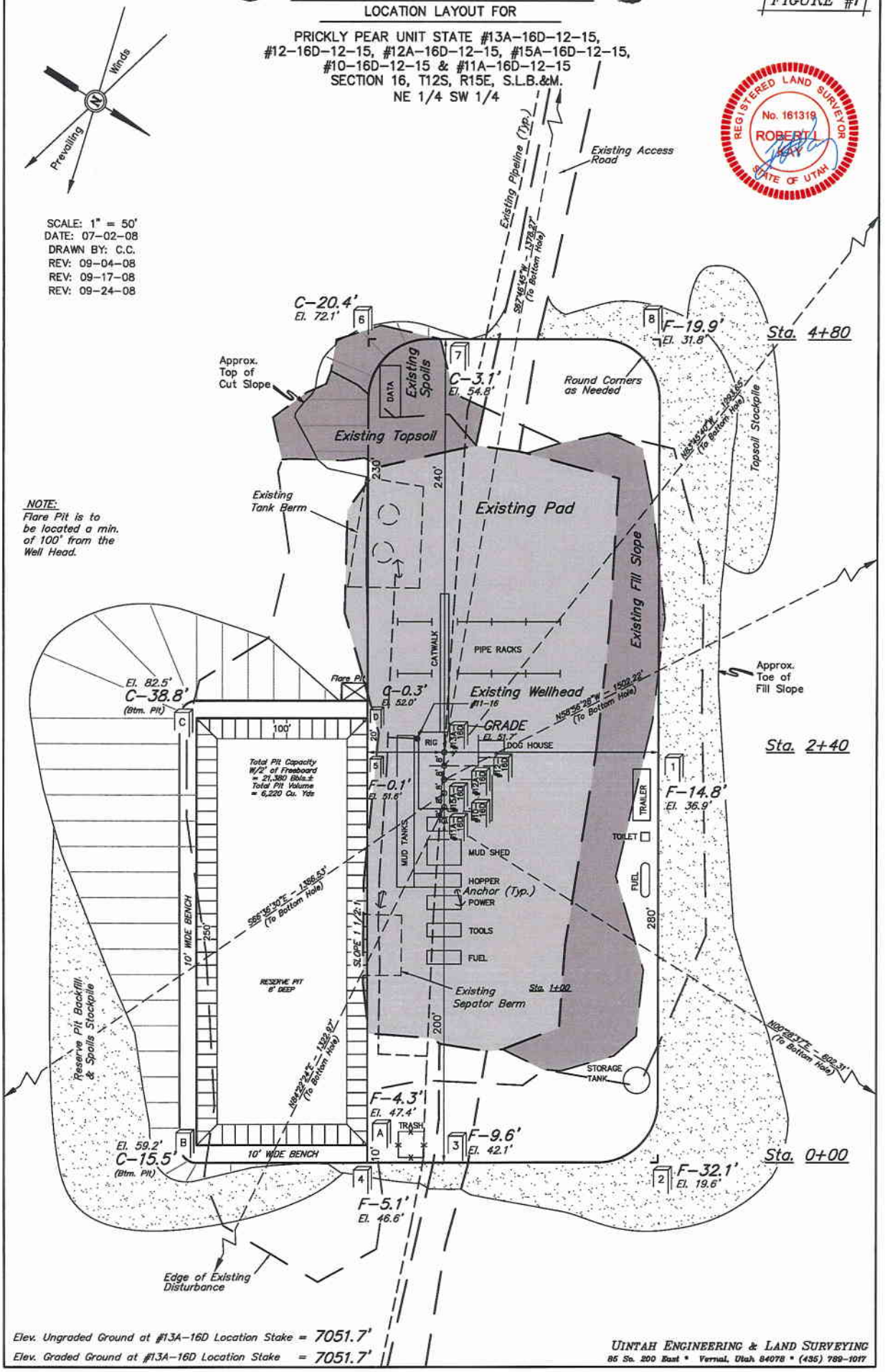
LOCATION PHOTOS	07 MONTH	10 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: J.L.	REVISED: 09-19-08		

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

PRICKLY PEAR UNIT STATE #13A-16D-12-15,
#12-16D-12-15, #12A-16D-12-15, #15A-16D-12-15,
#10-16D-12-15 & #11A-16D-12-15
SECTION 16, T12S, R15E, S.L.B.&M.
NE 1/4 SW 1/4

FIGURE #1



Elev. Ungraded Ground at #13A-16D Location Stake = 7051.7'

Elev. Graded Ground at #13A-16D Location Stake = 7051.7'

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

BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

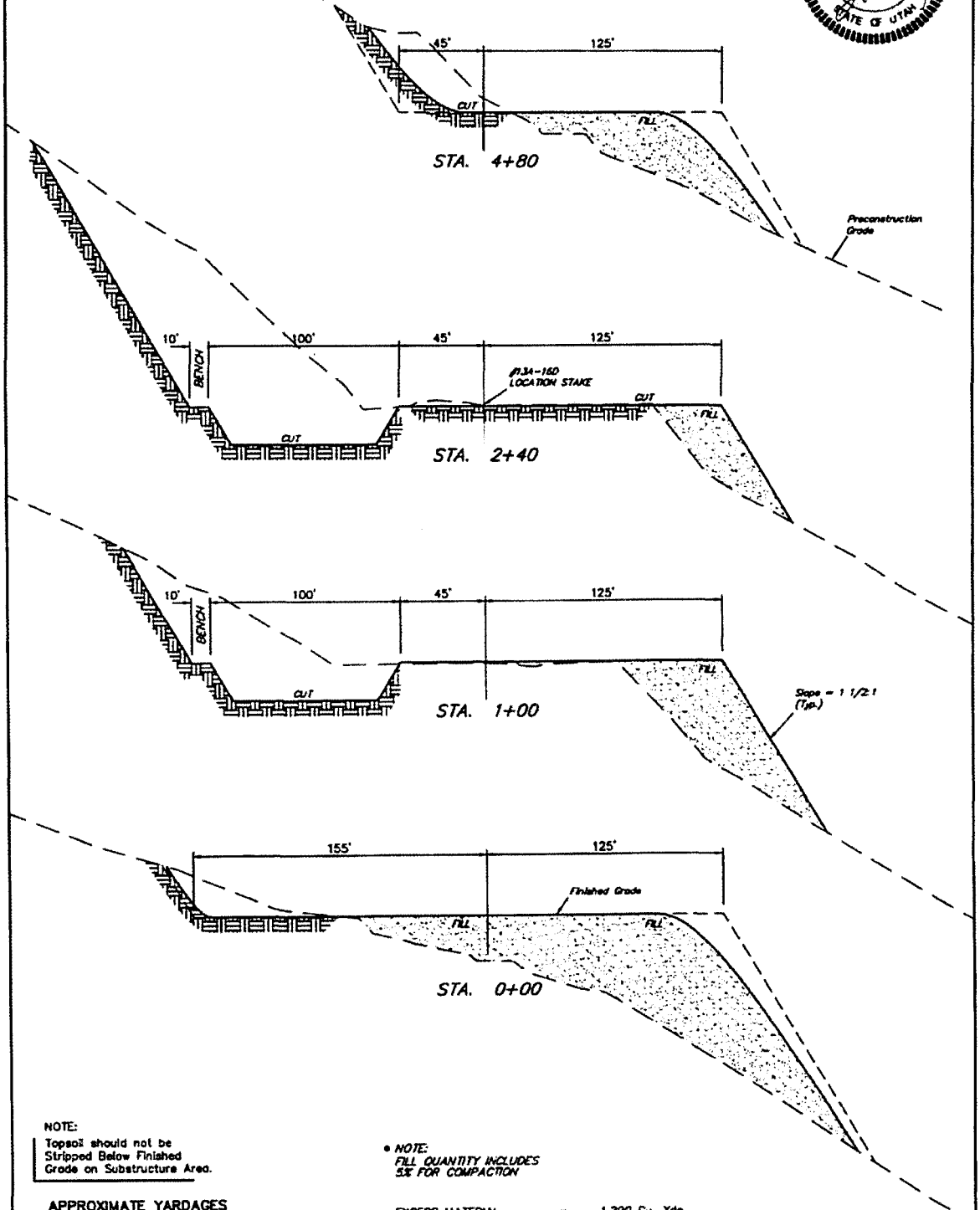
PRICKLY PEAR UNIT STATE #13A-16D-12-15,
#12-16D-12-15, #12A-16D-12-15, #15A-16D-12-15,
#10-16D-12-15 & #11A-16D-12-15
SECTION 16, T12S, R15E, S.L.B.&M.
NE 1/4 SW 1/4

FIGURE #2

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

DATE: 07-02-08
DRAWN BY: C.C.
REV: 09-04-08
REV: 09-17-08

REGISTERED LAND SURVEYOR
No 161319
ROBERT L.
STATE OF UTAH



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

• NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

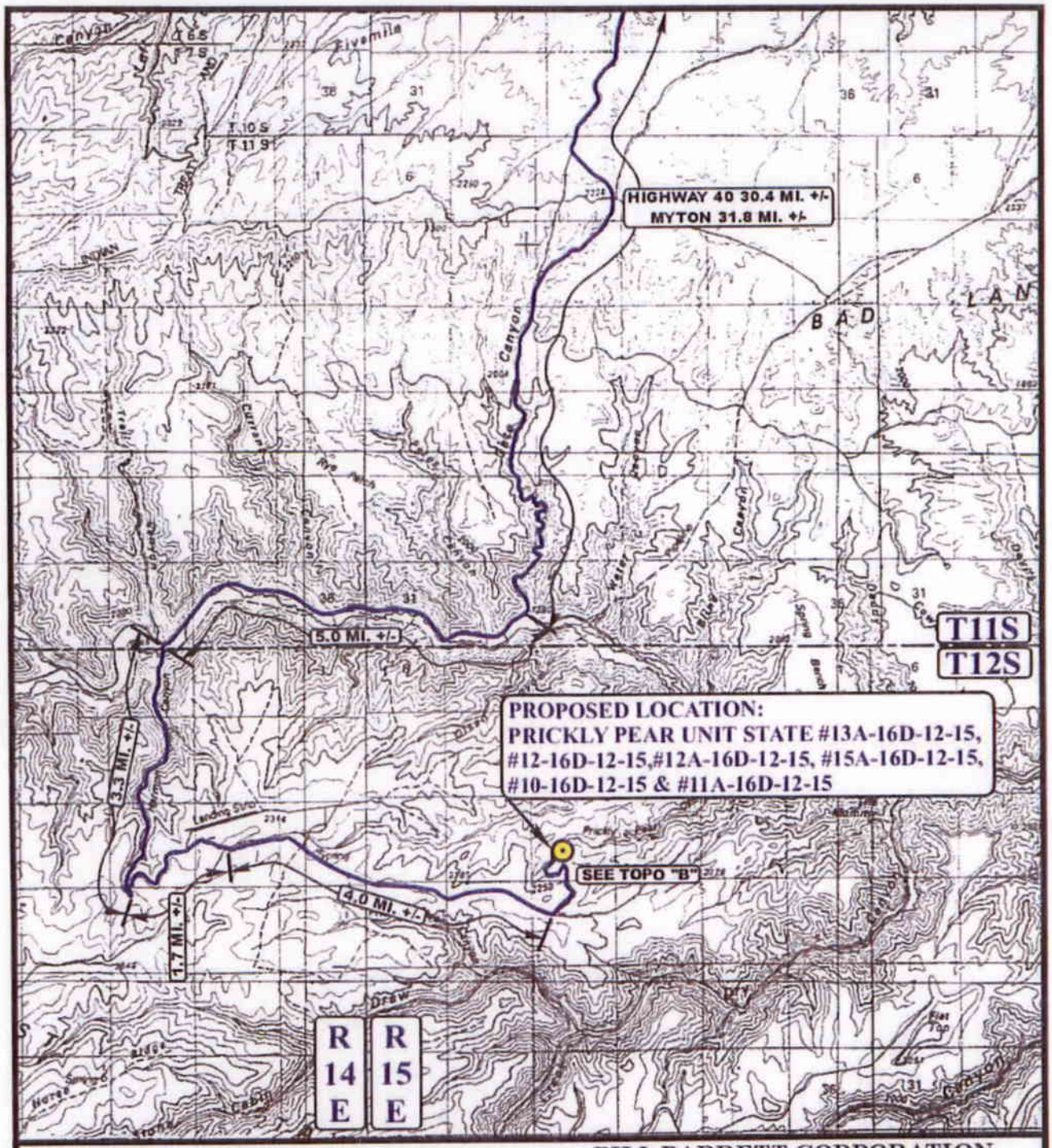
(6") Topsoil Stripping	=	1,240 Cu. Yds.
Remaining Location	=	26,720 Cu. Yds.
TOTAL CUT	=	27,960 CU.YDS.
FILL	=	26,670 CU.YDS.

EXCESS MATERIAL	=	1,290 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,350 Cu. Yds.
DEFECIT UNBALANCE (After Interim Rehabilitation)	=	<3,060> Cu. Yds.

APPROXIMATE ACREAGES

EXISTING DISTURBANCE = ±2.715 ACRES
NEW DISTURBANCE = ±1.712 ACRES
TOTAL = ±4.427 ACRES

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



LEGEND:

PROPOSED LOCATION

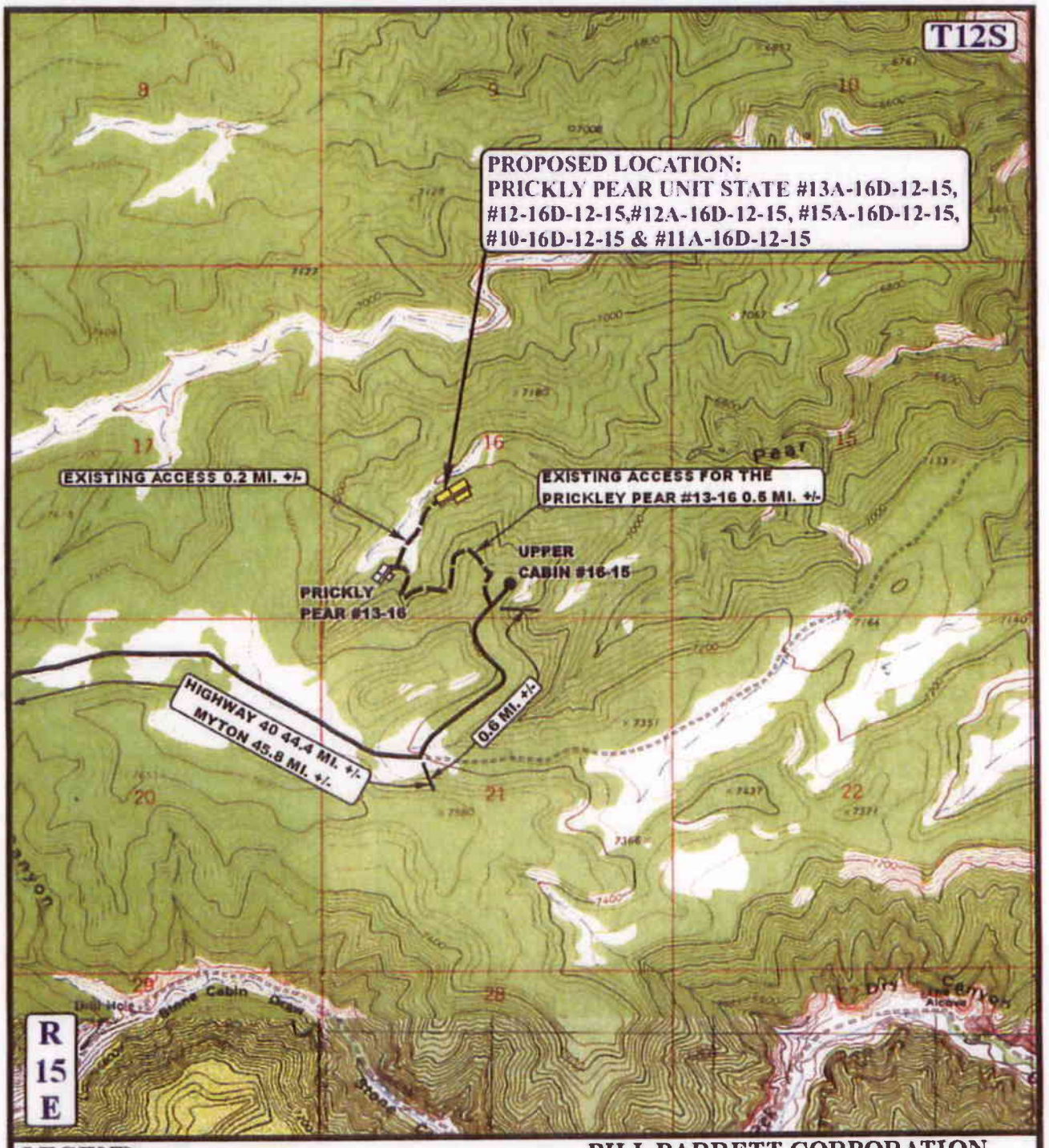
N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT STATE #13A-16D-12-15, #12-16D-12-15, #12A-16D-12-15, #15A-16D-12-15, #10-16D-12-15 & #11A-16D-12-15
SECTION 16, T12S, R15E, S.L.B.&M.
NE 1/4 SW 1/4

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

TOPOGRAPHIC MAP	07 MONTH	11 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.J.	REVISED: 09-19-08		



LEGEND:

EXISTING ROAD
EXISTING ACCESS ROAD

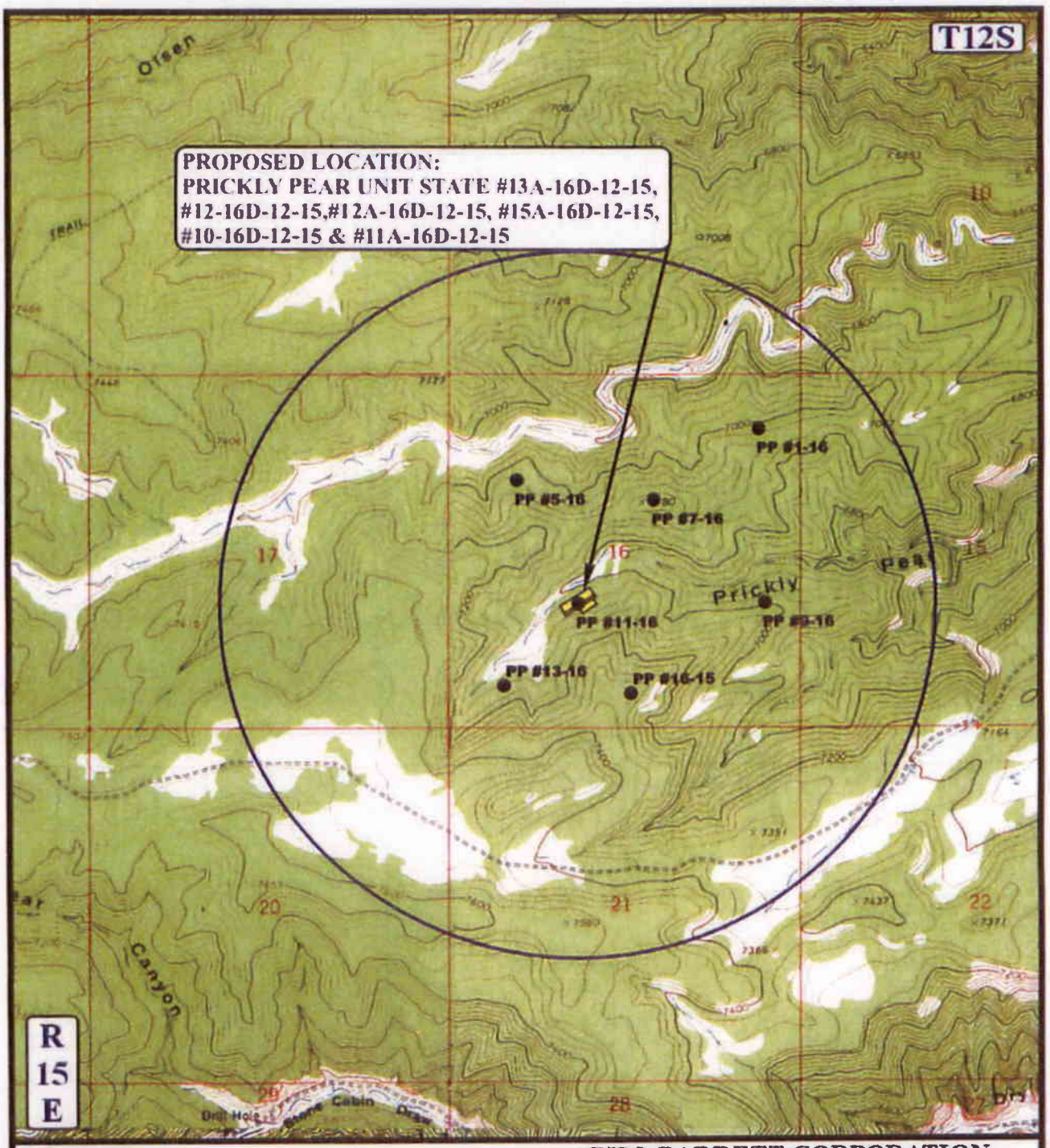
N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT STATE #13A-16D-12-15, #12-16D-12-15, #12A-16D-12-15,
#15A-16D-12-15, #10-16D-12-15 & #11A-16D-12-15
SECTION 16, T12S, R15E, S.L.B.&M.
NE 1/4 SW 1/4

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

TOPOGRAPHIC MAP	07 MONTH	11 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 09-19-08		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT STATE #13A-16D-12-15, #12-16D-12-15, #12A-16D-12-15, #15A-16D-12-15, #10-16D-12-15 & #11A-16D-12-15
SECTION 16, T12S, R15E, S.L.B.&M.
NE 1/4 SW 1/4

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

TOPOGRAPHIC MAP	07 MONTH	11 DAY	08 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 09-19-08		

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/25/2008

API NO. ASSIGNED: 43-007-31456

WELL NAME: PPU ST 12-16D-12-15

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303-312-8134

CONTACT: TRACEY FALLANG

PROPOSED LOCATION:

NESW 16 120S 150E

SURFACE: 1864 FSL 2023 FWL

NWSW BOTTOM: 1980 FSL 0737 FWL

COUNTY: CARBON

LATITUDE: 39.77162 LONGITUDE: -110.2432

UTM SURF EASTINGS: 564817 NORTHINGS: 4402474

FIELD NAME: NINE MILE CANYON (35)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	NBsm for DKD	10/21/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML46708

SURFACE OWNER: 3 - State

PROPOSED FORMATION: PRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. LPM4138148)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 90-1853)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: PRICKLY PEAR

___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 256-1
Eff Date: 12-16-2004
Siting: 460' fr ubdry & Uncomm. Tract

✓ R649-3-11. Directional Drill

COMMENTS: Needs Presite (10-09-08)

STIPULATIONS: 1- STATEMENT OF BASIS

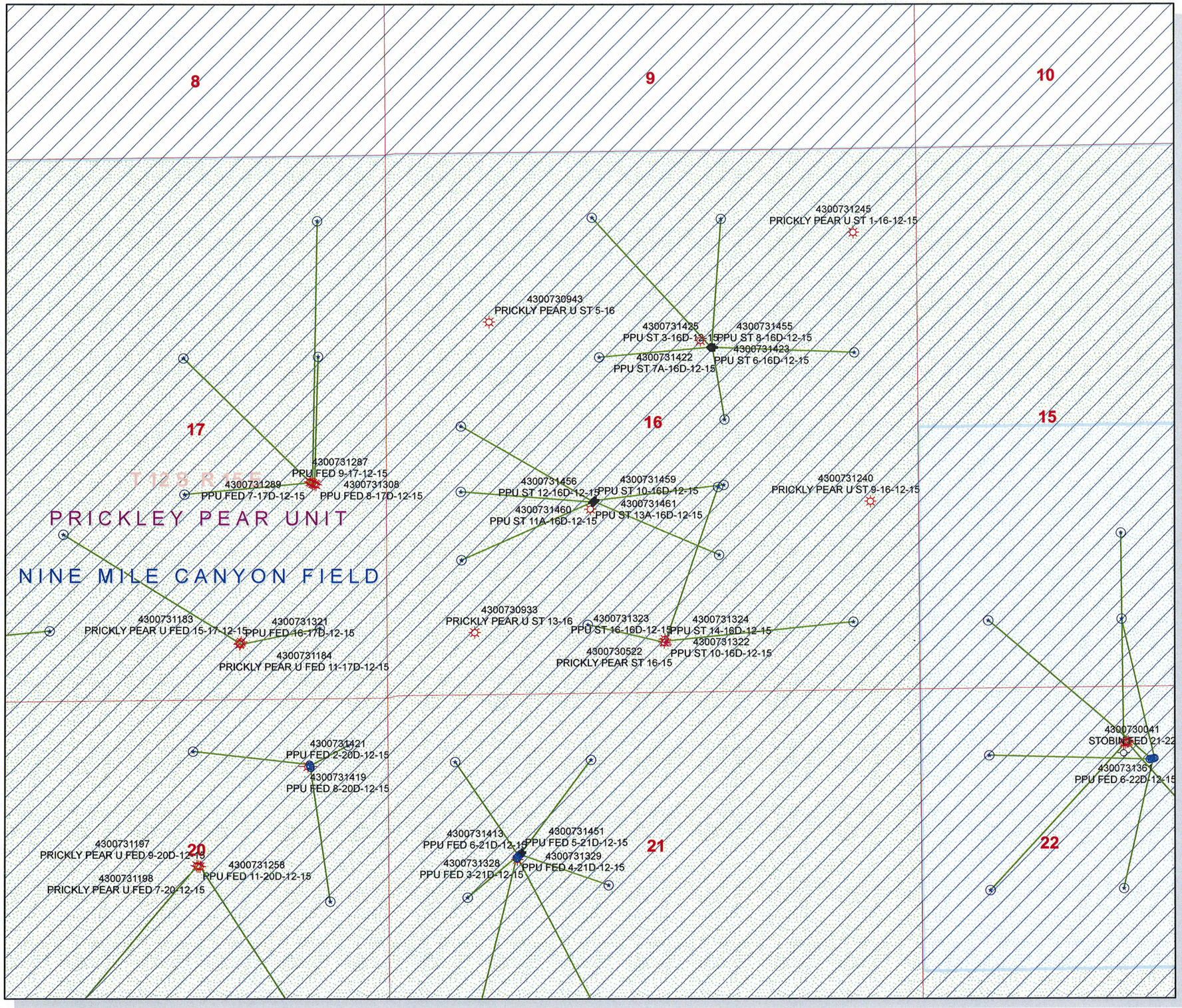
API Number: 4300731456

Well Name: PPU ST 12-16D-12-15

Township 12.0 S Range 15.0 E Section 16

Meridian: SLBM

Operator: BILL BARRETT CORP



Map Prepared:
Map Produced by Diana Mason

Units

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

Fields

STATUS
- ACTIVE
- COMBINED
- Sections
- Township

Wells Query Events
- <all other values>

GIS_STAT_TYPE
- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS
- Bottom Hole Location

1,300 650 0 1,300 Feet

1:12,000

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
1100	43-007-31456-00-00		GW	S	No

Operator BILL BARRETT CORP **Surface Owner-APD**
Well Name PPU ST 12-16D-12-15 **Unit** PRICKLY PEAR
Field NINE MILE CANYON **Type of Work**
Location NESW 16 12S 15E S 1864 FSL 2023 FWL GPS Coord (UTM) 564817E 4402474N

Geologic Statement of Basis

Bill Barrett Corp. proposes to set 1,000' of surface casing at this location. The base of the moderately saline water is at approximately 2,200 feet in this area. This location lies on the Green River Formation. The proposed location is in a recharge area for the aquifers of the upper Green River Formation and fresh water can be expected to be found in the upper Green River. A search of Division of Water Rights records indicates no water wells within a 10,000 foot radius of the center of Section 16. The production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole.

Brad Hill — 10/14/2008
APD Evaluator — **Date / Time**

Surface Statement of Basis

The location is approximately 48 road miles southwest of Myton, Utah. Access is by existing State and County roads using the Harmon Canyon road to reach an existing location. Steep, deep canyons, which break away from the broad somewhat gentle top bench lands and plateaus, characterize the general area. Drainage is into Nine Mile Canyon, which supports a perennial stream and joins the Green River approximately 20 miles downstream. No springs, streams or seeps are known in the immediate area.

Six additional directional wells are proposed on an existing pad to be enlarged. The existing pad was used to drill and supports the producing Prickly Pear Unit State 11-16-12-15 gas well. No problems are evident with the past construction and stability of the existing pad. The pad will be enlarged in all directions but primarily to the east and west along the side-slope of a north-facing ridge. A gulley or active swale exists to the west, which must be and is planned to be avoided with fill. A cut on the southwest corner of the proposed pad extends into the existing topsoil stockpile. This pile can be moved to the south along the hillside or to the area shown on the Layout Sheet for the new topsoil stockpile. No drainages intersect the location and no diversions are needed

Both the surface and minerals are SITLA. Jim Davis of SITLA was invited to but did not attend the pre-site.

Kyle Beagley of the Utah Division of Wildlife Resources stated the area is year-round range for both deer and elk. It is especially critical during the winter season. Bill Barrett Corporation is cooperating with the UDWR to mitigate for the reduced value of the area for these two species and also in studies relating to other species. He did not recommend any seasonal closures.

A reserve pit 100' x 250' x 8' deep is proposed in an area of cut on the southeast corner of the location extending beyond the length where the original reserve pit was located. The pit is cut into a side-hill, which continues up-slope beyond the excavated area. The constructed pad is to the north and between the drainage and the pit. Stability of the pit relating to a significant failure is not a concern. With adequate felt cushioning, a 20-mil liner should be adequate. The expected time to drill each well is 10 days. Allowing 2 weeks for each well, the pit would be used for 3 months. Brian Getchell representing Barrett felt the proposed pit would be large enough to contain all the drilling cuttings. If excavation or removal of cuttings is needed Barrett is to contact DOGM for a disposal area.

Floyd Bartlett	10/9/2008
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name PPU ST 12-16D-12-15
API Number 43-007-31456-0 **APD No** 1100 **Field/Unit** NINE MILE CANYON
Location: 1/4,1/4 NESW **Sec** 16 **Tw** 12S **Rng** 15E 1864 FSL 2023 FWL
GPS Coord (UTM) 564787 4402469 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Brian Getchell (Bill Barrett Corporation) and Kyle Beagley (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The location is approximately 48 road miles southwest of Myton, Utah. Access is by existing State and County roads using the Harmon Canyon road to reach an existing location. Steep, deep canyons, which break away from the broad somewhat gentle top bench lands and plateaus, characterize the general area. Drainage is into Nine Mile Canyon, which supports a perennial stream and joins the Green River approximately 20 miles downstream. No springs, streams or seeps are known in the immediate area.

Six additional directional wells are proposed on an existing pad to be enlarged. The existing pad was used to drill and supports the producing Prickly Pear Unit State 11-16-12-15 gas well. No problems are evident with the past construction and stability of the existing pad. The pad will be enlarged in all directions but primarily to the east and west along the side-slope of a north-facing ridge. A gulley or active swale exists to the west, which must be and is planned to be avoided with fill. A cut on the southwest corner of the proposed pad extends into the existing topsoil stockpile. This pile can be moved to the south along the hillside or to the area shown on the Layout Sheet for the new topsoil stockpile. No drainages intersect the location and no diversions are needed

Both the surface and minerals are SITLA. Jim Davis of SITLA was invited to but did not attend the pre-site.

Surface Use Plan

Current Surface Use
Wildlfe Habitat
Existing Well Pad

New Road Miles	Well Pad		Src Const Material	Surface Formation
0	**Width** 280	**Length** 440	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Existing pad to be extended into the surrounding pinion and juniper.

Mt Lions, bear, coyotes bob cats and small mammals and birds

Soil Type and Characteristics

Shallow rocky sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	50 1 **Sensitivity Level**

Characteristics / Requirements

A reserve pit 100' x 250' x 8' deep is proposed in an area of cut on the southeast corner of the location extending beyond the length where the original reserve pit was located. The pit is cut into a side-hill, which continues up-slope beyond the excavated area. The constructed pad is to the north and between the drainage and the pit. Stability of the pit relating to a significant failure is not a concern. With adequate felt cushioning, a 20-mil liner should be adequate. The expected time to drill each well is 10 days. Allowing 2 weeks for each well, the pit would be used for 3 months. Brian Getchell representing Barrett felt the proposed pit would be large enough to contain all the drilling cuttings. If excavation or removal of cuttings is needed Barrett is to contact DOGM for a disposal area.

Closed Loop Mud Required? N **Liner Required?** **Liner Thickness** 20 **Pit Underlayment Required?** Y

Other Observations / Comments

A reserve pit 100' x 250' x 8' deep is proposed in an area of cut on the southeast corner of the location extending beyond the length where the original reserve pit was located. The pit is cut into a side-hill, which continues up-slope beyond the excavated area. The constructed pad is to the north and between the drainage and the pit. Stability of the pit relating to a significant failure is not a concern. With adequate felt cushioning, a 20-mil liner should be adequate. The expected time to drill each well is 10 days. Allowing 2 weeks for each well, the pit would be used for 3 months. Brian Getchell representing Barrett felt the proposed pit would be large enough to contain all the drilling cuttings. If excavation or removal of cuttings is needed Barrett is to contact DOGM for a disposal area.

Floyd Bartlett
Evaluator

10/9/2008
Date / Time

BOPE REVIEW	Bill Barrett PPU ST 12-16D-12-15	API 43-007-31456-0000

INPUT

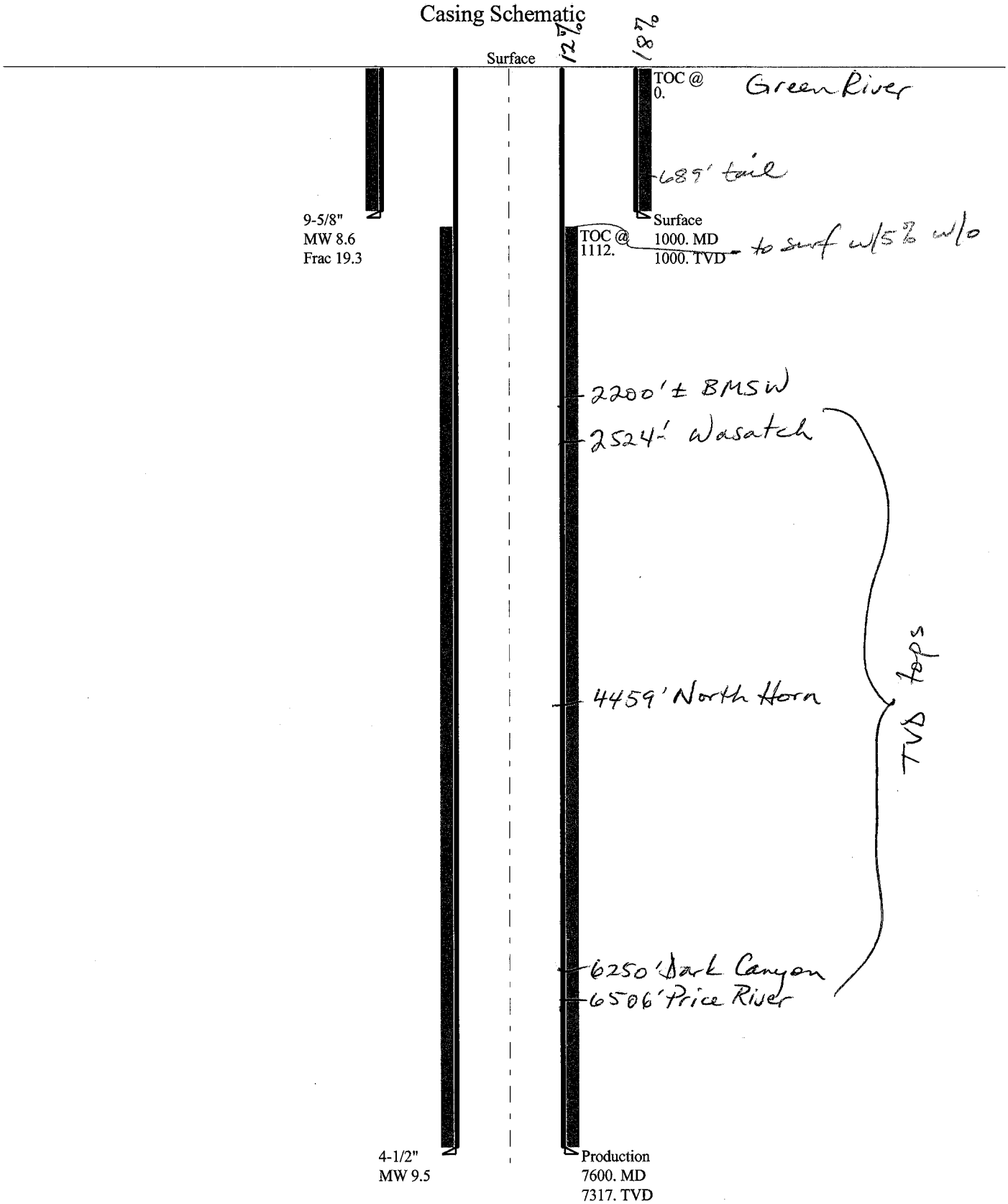
Well Name	Bill Barrett PPU ST 12-16D-12-15 API 43-007-31456-0000			
	String 1	String 2		
Casing Size (")	9 5/8	5 1/2		
Setting Depth (TVD)	1000	7317		
Previous Shoe Setting Depth (TVD)	0	1000		
Max Mud Weight (ppg)	8.6	9.5		
BOPE Proposed (psi)	0	3000		
Casing Internal Yield (psi)	3520	7740		
Operators Max Anticipated Pressure (psi)	3606	9.5 ppg		

Calculations	String 1	9 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	447		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	327	NO	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	227	NO	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	227	NO	
Required Casing/BOPE Test Pressure		1000	psi	
***Max Pressure Allowed @ Previous Casing Shoe =**		0	psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	5 1/2 "		
Max BHP [psi]	.052*Setting Depth*MW =	3615		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2737	YES	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2005	YES	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	2225	NO	
Required Casing/BOPE Test Pressure		3000	psi	
***Max Pressure Allowed @ Previous Casing Shoe =**		1000	psi	*Assumes 1psi/ft frac gradient

43007314560000 PPU ST 12-16D-12-15

Casing Schematic



Well name:	**43007314560000 PPU ST 12-16D-12-15**
Operator:	**Bill Barrett Corp**
String type:	Surface
Project ID:	43-007-31456-0000
Location:	Carbon County

Design parameters:

Collapse

Mud weight: 8.600 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 373 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 493 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 873 ft

Environment:

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 79 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 185 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 1,000 ft

Next mud weight: 9.500 ppg

Next setting BHP: 493 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,000 ft

Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	1000	9.625	36.00	J-55	ST&C	1000	1000	8.796	434

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	447	2020	4.522	493	3520	7.13	36	394	10.95 J

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

Phone: 831-538-5357
FAX: 801-359-3940

Date: October 21,2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

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

Well name:	**43007314560000 PPU ST 12-16D-12-15**
Operator:	**Bill Barrett Corp**
String type:	Production
Project ID:	43-007-31456-0000
Location:	Carbon County

Design parameters:

Collapse

Mud weight: 9.500 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,001 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 3,611 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 6,087 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	167 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	368 ft
Cement top:	1,112 ft

Directional well information:

Kick-off point	1060 ft
Departure at shoe:	1293 ft
Maximum dogleg:	2.5 °/100ft
Inclination at shoe:	0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7600	4.5	11.60	I-100	LT&C	7317	7600	3.875	582.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3611	7230	2.002	3611	9720	2.69	85	245	2.89 J

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

Phone: 831-538-5357
FAX: 801-359-3940

Date: October 21,2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 7317 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

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

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

Well name:	**43007314560000 PPU ST 12-16D-12-15**
Operator:	**Bill Barrett Corp**
String type:	Production
Project ID:	43-007-31456-0000
Location:	Carbon County

Design parameters:

Collapse

Mud weight: 9.500 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,001 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 3,611 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 6,546 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	167 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	368 ft
Cement top:	1,454 ft

Directional well information:

Kick-off point	1060 ft
Departure at shoe:	1293 ft
Maximum dogleg:	2.5 °/100ft
Inclination at shoe:	0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7600	5.5	17.00	N-80	LT&C	7317	7600	4.767	992

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3611	6290	1.742	3611	7740	2.14	124	348	2.80 J

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

Phone: 831-538-5357
FAX: 801-359-3940

Date: October 21,2008
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 7317 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

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

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

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)

October 6, 2008

Memorandum

To: Associate Field Office Manager,
Price Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Prickly Pear Unit Carbon County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Prickly Pear Unit, Carbon County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Price River)		
43-007-31456	Prickly Pear U St 12-16D-12-15	Sec 16 T12S R15E 1864 FSL 2023 FWL BHL Sec 16 T12S R15E 1980 FSL 0737 FWL
43-007-31457	Prickly Pear U St 12A-16D-12-15	Sec 16 T12S R15E 1868 FSL 2030 FWL BHL Sec 16 T12S R15E 2619 FSL 0741 FWL
43-007-31458	Prickly Pear U St 15A-16D-12-15	Sec 16 T12S R15E 1872 FSL 2037 FWL BHL Sec 16 T12S R15E 1331 FSL 1988 FEL
43-007-31459	Prickly Pear U St 10-16D-12-15	Sec 16 T12S R15E 1877 FSL 2043 FWL BHL Sec 16 T12S R15E 2015 FSL 1934 FEL
43-007-31460	Prickly Pear U St 11A-16D-12-15	Sec 16 T12S R15E 1881 FSL 2050 FWL BHL Sec 16 T12S R15E 2483 FSL 2053 FWL
43-007-31461	Prickly Pear U St 13A-16D-12-15	Sec 16 T12S R15E 1859 FSL 2016 FWL BHL Sec 16 T12S R15E 1314 FSL 0742 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:10-6-08

From: Jim Davis
To: Bonner, Ed; Hill, Brad; Mason, Diana; tfallang@billbarrettcorp.com
Date: 10/13/2008 1:38 PM
Subject: Barrett approval and ok to do dirt work.
Attachments: 20080924 Prickly Pear #11A-16D-12-15 REVISED plat package.pdf

CC: Garrison, LaVonne

The following wells have been approved by SITLA including arch and paleo clearance.

4300731456	PPU ST 12-16D-12-15	Bill Barrett Corp	Undesignated	NESW	16	120S	150E	S	CARBON	D	1	ML46708
4300731457	PPU ST 12A-16D-12-15	Bill Barrett Corp	Undesignated	NESW	16	120S	150E	S	CARBON	D	1	ML46708
4300731458	PPU ST 15A-16D-12-15	Bill Barrett Corp	Undesignated	NESW	16	120S	150E	S	CARBON	D	1	ML46708
4300731459	PPU ST 10-16D-12-15	Bill Barrett Corp	Undesignated	NESW	16	120S	150E	S	CARBON	D	1	ML46708
4300731460	PPU ST 11A-16D-12-15	Bill Barrett Corp	Undesignated	NESW	16	120S	150E	S	CARBON	D	1	ML46708
4300731461	PPU ST 13A-16D-12-15	Bill Barrett Corp	Undesignated	NESW	16	120S	150E	S	CARBON	D	1	ML46708

SITLA is granting Barret's request, below, and will allow Barrett to begin dirt work to extend the dimensions of the existing pad before they have APD approval from DOGM. THIS ALLOWANCE APPLIES TO CONSTRUCTION ONLY. NO DRILLING IS TO OCCUR PRIOR TO DOGM's APPROVAL.

-Jim Davis

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

>>> Tracey Fallang <tfallang@billbarrettcorp.com> 10/13/2008 12:09 PM >>>
Jim, does SITLA have any issues with us expanding this pad at this time? This was the existing 11-16 pad that we are adding wells to. The onsite occurred with DOGM and our folks on 10/9 and there were no problems. We'd like to get this pad expanded asap while we are waiting on DOGM to approve our APDs.

Thank you.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
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

October 22, 2008

Bill Barrett Corporation
1099 18th St., #2300
Denver, CO 80202

Re: Prickly Pear Unit State 12-16D-12-15 Well, 1864' FSL, 2023' FWL, NE SW, Sec. 16, T. 12 South, R. 15 East, Bottom Location 1980' FSL, 737' FWL, NW SW, Sec. 16, T. 12 South, R. 15 East, Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-007-31456.

Sincerely,

for Gil Hunt
Associate Director

pab
Enclosures

cc: Carbon County Assessor
SITLA
Bureau of Land Management, Utah State Office

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

UTAH DNR OIL, GAS & MINING

Operator: Bill Barrett Corporation
Well Name & Number Prickly Pear Unit State 12-16D-12-15
API Number: 43-007-31456
Lease: ML46708

Location:	NE SW	**Sec.** 16	**T.** 12 South	**R.** 15 East
Bottom Location:	NW SW	**Sec.** 16	**T.** 12 South	**R.** 15 East

Conditions of Approval

1. **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.

2. **Notification Requirements**

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

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

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

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

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

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. 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.

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DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **Bill Barrett Corporation**

Well Name: **PPU ST 12-16D-12-15**

API No: **43-007-31456** Lease Type: **State**

Section **16** Township **12S** Range **15E** County **Carbon**

Drilling Contractor **Triple AAA** Rig # **4**

SPUDDED:

Date **10-23-08**

Time **5:00 PM**

How **Dry**

Drilling will Commence:

Reported by **Tracey Fallang**

Telephone # **303-312-8134**

Date 10-28-08 **Signed RM**

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

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202

Operator Account Number: N 2165
Phone Number: (303) 312-8134

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4300731456	Prickly Pear Unit State 12-16D-12-15	NESW	16	12S	15E	Carbon

C

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
~~A~~ B	99999	14794	10/23/2008	10/28/08

Comments: This well was spud with conductor pipe on 10/23 by Triple AAA rig #4 at 5:00 pm.
PRRV = MVRD = WSMVD BHL = NWSW

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Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4300731457	Prickly Pear Unit State 12A-16D-12-15	NESW	16	12S	15E	Carbon

C

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
~~A~~ B	99999	14794	10/23/2008	10/28/08

Comments: This well was spud with conductor pipe on 10/23 by Triple AAA rig #4 at 5:00 pm.
PRRV = MVRD = WSMVD BHL = NWSW

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Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4300731458	Prickly Pear Unit State 15A-16D-12-15	NESW	16	12S	15E	Carbon

C

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
~~A~~ B	99999	14794	10/23/2008	10/28/08

Comments: This well was spud with conductor pipe on 10/23 by Triple AAA rig #4 at 5:00 pm.
PRRV = MVRD = WSMVD BHL = SWSE

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ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Tracey Fallang
Name (Please Print)
Tracey Fallang
Signature
Regulatory Analyst
Title
10/24/2008
Date

(5/2000)

RECEIVED
OCT 27 2008
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: Prickly Pear/UTU-079487

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Prickly Pear Unit State #12-16D-12-15

2. NAME OF OPERATOR: Bill Barrett Corporation

9. API NUMBER: 4300731456

3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8134

10. FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1864' FSL, 2023' FWL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 12S 15E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Weekly Activity Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

Weekly drilling activity from 12/12/08 through 12/22/08 (report #'s 1-2).

RECEIVED
DEC 29 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Tracey Fallang TITLE Regulatory Analyst

SIGNATURE Laura Sillstrop for Tracey Fallang DATE 12/22/2008

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

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REGULATORY DRILLING SUMMARY

WELLCORE

Well : **Prickly Pear State #12-16D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWSW-16-12S-15E-W26M	43-007-31456

Operations Date : 12/22/2008
Report # : 2
Depth At 06:00 : 1090.00
Estimated Total Depth : 7382.00

Surface Location : NESW-16-12S-15E-W26M
Spud Date : 12/21/2008 Days From Spud : 1
Morning Operations : DRILLING SURFACE

Time To	Description
7:30 AM	P/U BIT & MTR / T.I.H.
4:00 PM	DRILL F/ 50'-357'
4:30 PM	RIG SERVICE
6:00 AM	DRILL F/ 357'-1090'

Remarks :
DSLTA: 55
SAFTEY MEETING: DRILLING SURFACE
DAILY WATER: 0 BBLS
TOTAL WATER: 520 BBLS
FUEL: 7446 GALLONS

Well : **Prickly Pear State #12-16D-12-15** Phase/Area : West Tavaputs

Bottom Hole Display	API #/License
NWSW-16-12S-15E-W26M	43-007-31456

Operations Date : 12/21/2008
Report # : 1
Depth At 06:00 :
Estimated Total Depth : 7382.00

Surface Location : NESW-16-12S-15E-W26M
Spud Date : 12/21/2008 Days From Spud : 0
Morning Operations : RE-DRILLING RAT & MOUSE HOLES

Time To	Description
8:00 PM	RIG DOWN / SKID RIG / RIG UP
11:00 PM	WELD ON CONDUCTOR / N/U FLOWLINE / FILLUP LINE.
3:00 AM	FINISH RIG UP / FILL MUD TANKS / PRIME PUMPS / THAW FROZEN WATER LINES.
6:00 AM	RE-DRILL RAT & MOUSE HOLES.

Remarks :
DSLTA: 54
SAFTEY MEETING: RIG UP
DAILY WATER: 520 BBLS
TOTAL WATER: 520 BBLS
FUEL: 8300 GALLONS

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DEC 29 2008
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: Prickly Pear/UTU-079487

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Prickly Pear Unit State #12-16D-12-15

2. NAME OF OPERATOR: Bill Barrett Corporation

9. API NUMBER: 4300731456

3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8134

10. FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1864' FSL, 2023' FWL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 12S 15E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
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☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Weekly Activity Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

No activity. Waiting on completion.

RECEIVED
FEB 05 2009
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Tracey Fallang TITLE Regulatory Analyst

SIGNATURE Tracey Fallang DATE 2/2/2009

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

CONFIDENTIAL

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46708

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

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

7. UNIT or CA AGREEMENT NAME: Prickly Pear/UTU-079487

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Prickly Pear Unit State #12-16D-12-15

2. NAME OF OPERATOR: Bill Barrett Corporation

9. API NUMBER: 4300731456

3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8134

10. FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1864' FSL, 2023' FWL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 12S 15E

STATE: UTAH

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	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Weekly Activity Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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No activity. Waiting on completion.

NAME (PLEASE PRINT) Tracey Fallang TITLE Regulatory Analyst

SIGNATURE Tracey Fallang DATE 3/12/2009

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MAR 16 2009
DIV. OF OIL, GAS & MINING

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CONFIDENTIAL

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: Prickly Pear/UTU-79487

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: Prickly Pear Unit State 12-16D-12-15

2. NAME OF OPERATOR: Bill Barrett Corporation

9. API NUMBER: 4300731456

3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8134

10. FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1864' FSL, 2023' FWL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 16 12S 15E

STATE: UTAH

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

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	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: First Sales
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

This sundry is being submitted as notice of first sales on March 31, 2009.

NAME (PLEASE PRINT) Tracey Fallang

TITLE Regulatory Analyst

SIGNATURE Tracey Fallang

DATE 4/1/2009

(This space for State use only)

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APR 15 2009
DIV. OF OIL, GAS & MINING

(5/2000)

(See Instructions on Reverse Side)

CONFIDENTIAL

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER: ML 46708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: Prickly Pear/UTU-079487

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Prickly Pear Unit State #12-16D-12-15

2. NAME OF OPERATOR: Bill Barrett Corporation

9. API NUMBER: 4300731456

3. ADDRESS OF OPERATOR: 1099 18th Street, Suite 2300 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8134

10. FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1864' FSL, 2023' FWL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 12S 15E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
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	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
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Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Weekly Activity Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

No activity. Waiting on completion.

NAME (PLEASE PRINT) Tracey Fallang TITLE Regulatory Analyst

SIGNATURE Tracey Fallang DATE 4/15/2009

(This space for State use only)

RECEIVED
APR 20 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

CONFIDENTIAL

BEC CONFIDENTIAL

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

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML46708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT or CA AGREEMENT NAME: Prickly Pear/UTU-79487

8. WELL NAME and NUMBER: Prickly Pear US 12-16D-12-15

9. API NUMBER: 4300731456

10 FIELD AND POOL, OR WILDCAT: Nine Mile/Wasatch-Mesaverde

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: Bill Barrett Corporation

3. ADDRESS OF OPERATOR: 1099 18th St., Suite 2300 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 312-8134

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1864' FSL, 2023' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: NWSW, 2022' FSL, 825' FWL, Sec. 16

AT TOTAL DEPTH: NWSW, 2003' FSL, 729' FWL, Sec. 16 reviewed by HSM

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 12S 15E

12. COUNTY: Carbon

13. STATE: UTAH

14. DATE SPUDDED: 10/23/2008

15. DATE T.D. REACHED: 12/30/2008

16. DATE COMPLETED: 3/28/2009 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 7072' RKB

18. TOTAL DEPTH: MD 7,308 TVD 7,047

19. PLUG BACK T.D.: MD 7,287 TVD 7,026

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Halliburton Triple Combo, Halliburton Radial Sector Bond Log

SD, DSN, ACTR, mud

23.

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	9 5/8 J-55	36#	0	1,100		HLC 245	81	Surface	0 lbs
						AG-300 186	39	(Calc)	
8 3/4" and	4 1/2 I100	11.6#	0	7,298		50/50 1,400	367	800	10,000 lbs
7 7/8"								(CBL)	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	4,267	6,426		
(B) Mesaverde	6,484	7,113		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
4,267	4,284	0.34	30	Open ☑ Squeezed ☐
4,656	46,660	0.56	18	Open ☑ Squeezed ☐
4,997	5,007	0.34	30	Open ☑ Squeezed ☐
5,101	5,184	0.56	12	Open ☑ Squeezed ☐

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4267' - 4284'	Stg 13: 60% CO2 foam frac: 46 tons CO2; 243 bbls total fluid; 36,000# 20/40 Ottawa sand
4656' - 4660'	Stg 12: 60% CO2 foam frac: 76 tons CO2; 397 bbls total fluid; 59,900# 20/40 Ottawa sand
4997' - 5007'	Stg 11: 60% CO2 foam frac: 70 tons CO2; 373 bbls total fluid; 55,900# 20/40 Ottawa sand

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Producing

RECEIVED
MAY 07 2009
DIV. OF OIL, GAS & MINING

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
3/28/2009		3/30/2009		24			0	2,984	27	Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
38/64		550		1,180			0	2,984	27	Open

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Wasatch	2,616
North Horn	4,661
Dark Canyon	6,446
Price River	6,719
TD	7,308

35. ADDITIONAL REMARKS (Include plugging procedure)

Copies of logs already submitted. 7 7/8" hole started at 5661'. Date of first sales to pipeline was 3/31/2009.

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

NAME (PLEASE PRINT) Tracey Fallang TITLE Regulatory Analyst

SIGNATURE Tracey Fallang DATE 5/4/2009

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

Prickly Pear Unit State 12-16D-12-15 Completion Report continued

27. PERFORATION RECORD (cont.)					28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)							
INTERVAL (Top/Bot-MD)		SIZE	NO. HOLES	PERFORATION STATUS	AMOUNT AND TYPE OF MATERIAL							
5101'	5184'	0.56"	12	Open	Stg 10	60% CO2 foam frac:	108	tons CO2	534	bbls total fluid	88,000#	20/40 White Sand
5481'	5539'	0.34"	30	Open	Stg 9	60% CO2 foam frac:	85	tons CO2	474	bbls total fluid	71,900#	20/40 White Sand
5713'	5829'	0.34"	30	Open	Stg 8	60% CO2 foam frac:	128	tons CO2	611	bbls total fluid	100,000#	20/40 White Sand
6199'	6248'	0.34"	30	Open	Stg 7	60% CO2 foam frac:	145	tons CO2	650	bbls total fluid	108,100#	20/40 White Sand
6289'	6346'	0.56"	30	Open	Stg 6	60% CO2 foam frac:	170	tons CO2	784	bbls total fluid	136,200#	20/40 White Sand
6411'	6426'	0.34"	33	Open	Stg 5	60% CO2 foam frac:	102	tons CO2	500	bbls total fluid	80,200#	20/40 White Sand
6484'	6510'	0.34"	30	Open	Stg 4	70% CO2 foam frac:	152	tons CO2	553	bbls total fluid	96,100#	20/40 White Sand
6656'	6718'	0.56"	30	Open	Stg 3	70% CO2 foam frac:	198	tons CO2	625	bbls total fluid	128,200#	20/40 White Sand
6878'	6942'	0.34"	30	Open	Stg 2	70% CO2 foam frac:	85	tons CO2	338	bbls total fluid	56,000#	20/40 White Sand
7103'	7113'	0.34"	30	Open	Stg 1	70% CO2 foam frac:	96	tons CO2	384	bbls total fluid	64,000#	20/40 White Sand

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

Directional Surveys

WELLCORE

Location Information

Business Unit	Phase/Area	Surface Location
Operations	West Tavaputs	NESW-16-12S-15E-W26M
Project	Well Name	Main Hole
Uinta	Prickly Pear State #12-16D-12-15	

Bottom Hole Information

UWI	API / License #
NWSW-16-12S-15E-W26M	43-007-31456

Survey Section Details

Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
Main	145.00	12/24/2008			

Survey Information

Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
WEATHERFORD	276.20	11.71

Details Corrected

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	145.00	0.38	252.45	145.00		0.14	S	0.46	W	0.44	0.26
	237.00	0.75	292.07	236.99		0.01	S	1.31	W	1.30	0.56
	327.00	0.56	271.95	326.99		0.23	N	2.29	W	2.30	0.33
	419.00	0.69	270.95	418.98		0.25	N	3.30	W	3.30	0.14
	511.00	0.75	277.20	510.97		0.33	N	4.45	W	4.46	0.11
	603.00	2.50	307.20	602.93		1.62	N	6.64	W	6.78	2.05
	663.00	3.06	312.70	662.86		3.50	N	8.86	W	9.19	1.03
	754.00	4.00	305.45	753.68		6.99	N	13.23	W	13.91	1.14
	846.00	5.06	309.09	845.39		11.41	N	19.00	W	20.12	1.19
	908.00	5.75	310.08	907.11		15.13	N	23.49	W	24.99	1.12
	969.00	6.56	308.20	967.76		19.25	N	28.57	W	30.48	1.37
	1040.00	7.20	305.98	1038.25		24.38	N	35.36	W	37.78	0.98
	1127.00	7.25	305.95	1124.56		30.80	N	44.21	W	47.28	0.06
	1222.00	8.94	298.70	1218.60		37.87	N	55.54	W	59.31	2.07
	1317.00	10.75	291.45	1312.19		44.65	N	70.26	W	74.67	2.31
	1412.00	13.15	283.95	1405.11		50.50	N	89.00	W	93.93	3.00
	1507.00	16.00	284.08	1497.02		56.29	N	112.18	W	117.61	3.00
	1602.00	18.81	279.58	1587.65		62.02	N	139.98	W	145.86	3.28
	1697.00	20.19	275.45	1677.19		66.13	N	171.41	W	177.55	2.05
	1793.00	20.81	272.58	1767.11		68.47	N	204.93	W	211.13	1.23
	1888.00	23.44	271.58	1855.09		69.75	N	240.68	W	246.80	2.80
	1983.00	24.69	271.83	1941.83		70.90	N	279.40	W	285.42	1.32
	2077.00	25.94	271.58	2026.80		72.10	N	319.57	W	325.49	1.33
	2172.00	27.63	272.45	2111.60		73.61	N	362.35	W	368.18	1.83
	2268.00	26.96	271.58	2196.90		75.16	N	406.34	W	412.08	0.81
	2363.00	25.56	271.08	2282.09		76.14	N	448.36	W	453.96	1.49
	2458.00	25.06	273.95	2367.97		77.91	N	488.92	W	494.48	1.39
	2553.00	26.00	276.58	2453.70		81.69	N	529.68	W	535.40	1.55
	2648.00	25.63	276.20	2539.21		86.29	N	570.79	W	576.77	0.43
	2743.00	25.50	274.95	2624.91		90.27	N	611.59	W	617.76	0.58
	2824.00	26.56	276.45	2697.69		93.81	N	646.96	W	653.30	1.54
	2934.00	25.99	276.12	2796.33		99.15	N	695.36	W	702.00	0.54
	3029.00	26.06	276.58	2881.69		103.76	N	736.78	W	743.68	0.23
	3124.00	26.13	276.33	2967.01		108.45	N	778.31	W	785.47	0.14
	3219.00	25.56	276.45	3052.51		113.06	N	819.46	W	826.88	0.60
	3314.00	25.13	275.70	3138.36		117.37	N	859.90	W	867.55	0.56
	3407.00	29.94	274.83	3220.76		121.28	N	902.67	W	910.49	5.19
	3503.00	25.13	275.45	3305.81		125.24	N	946.84	W	954.82	5.02
	3598.00	23.56	277.83	3392.35		129.74	N	985.73	W	993.97	1.95
	3693.00	22.94	277.45	3479.64		134.73	N	1022.89	W	1031.46	0.67
	3788.00	20.38	276.58	3567.91		139.02	N	1057.68	W	1066.51	2.72
	3883.00	19.18	276.92	3657.30		142.80	N	1089.61	W	1098.66	1.27
	3978.00	17.56	277.20	3747.45		146.47	N	1119.32	W	1128.59	1.71
	4074.00	16.69	277.95	3839.19		150.20	N	1147.34	W	1156.85	0.94
	4169.00	15.81	278.70	3930.39		154.04	N	1173.64	W	1183.41	0.95

Directional Surveys

WELLCORE

Location Information

Business Unit	Phase/Area	Surface Location
Operations	West Tavaputs	NESW-16-12S-15E-W26M
Project	Well Name	Main Hole
Uinta	Prickly Pear State #12-16D-12-15	

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	4264.00	14.56	279.45	4022.07		157.96	N	1198.21	W	1208.26	1.33
	4359.00	13.13	278.45	4114.30		161.50	N	1220.67	W	1230.97	1.53
	4454.00	10.88	283.83	4207.20		165.23	N	1240.04	W	1250.64	2.64
	4549.00	9.19	282.85	4300.74		169.06	N	1256.15	W	1267.06	1.79
	4643.00	7.25	279.20	4393.76		171.68	N	1269.32	W	1280.44	2.14
	4738.00	5.13	284.83	4488.19		173.73	N	1279.34	W	1290.62	2.32
	4833.00	3.38	278.08	4582.92		175.21	N	1286.22	W	1297.62	1.91
	4929.00	1.06	304.20	4678.83		176.10	N	1289.76	W	1301.23	2.58
	5024.00	0.94	303.08	4773.81		177.02	N	1291.14	W	1302.70	0.13
	5214.00	1.13	290.95	4963.78		178.54	N	1294.19	W	1305.91	0.15
	5309.00	1.06	290.70	5058.76		179.19	N	1295.89	W	1307.66	0.08
	5405.00	1.25	184.45	5154.74		178.46	N	1296.80	W	1308.49	1.93
	5500.00	0.81	190.45	5249.73		176.77	N	1297.00	W	1308.51	0.48
	5595.00	1.19	175.20	5344.71		175.12	N	1297.04	W	1308.37	0.48
	5660.00	1.23	174.51	5409.70		173.76	N	1296.92	W	1308.10	0.07
	7298.00	1.23	174.51	7047.32		138.76	N	1293.56	W	1300.98	0.00

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/1/2014**

FROM: (Old Operator):	**TO:** (New Operator):
N2165-Bill Barrett Corporation	N4040-EnerVest Operating, LLC
1099 18th Street, Suite 230	1001 Fannin Street, Suite 800
Denver, CO 80202	Houston, TX 77002
Phone: 1 (303) 312-8134	Phone: 1 (713) 659-3500

CA No. **Unit:** **Prickly Pear**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/7/2014
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/7/2014
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/28/2014

4a. Is the new operator registered in the State of Utah: _____ Business Number: 8850806-0161

5a. (R649-9-2)Waste Management Plan has been received on: Not Yet

5b. Inspections of LA PA state/fee well sites complete on: Yes

5c. Reports current for Production/Disposition & Sundries on: 1/24/2014

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Yes

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 1/28/2014
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 1/28/2014
3. Bond information entered in RBDMS on: 1/28/2014
4. Fee/State wells attached to bond in RBDMS on: 1/28/2014
5. Injection Projects to new operator in RBDMS on: 1/28/2014
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 1/7/2014
7. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 1/7/2014

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: RLB7886
2. Indian well(s) covered by Bond Number: RLB7886

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B008371

3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/28/2014

COMMENTS:

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	Federal	GW	APD
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	Federal	GW	APD
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	Federal	GW	APD
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	Federal	GW	APD
PRICKLY PEAR U FED 12-7D-12-15	7	120S	150E	4300750094		Federal	Federal	GW	APD
PRICKLY PEAR U FED 11-7D-12-15	7	120S	150E	4300750095		Federal	Federal	GW	APD
PRICKLY PEAR U FED 13-7D-12-15	7	120S	150E	4300750096		Federal	Federal	GW	APD
PRICKLY PEAR U FED 14-7D-12-15	7	120S	150E	4300750097		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-8D-12-15	8	120S	150E	4300750124		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-8D-12-15	8	120S	150E	4300750125		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-8D-12-15	8	120S	150E	4300750126		Federal	Federal	GW	APD
PRICKLY PEAR UF 14-8D-12-15	8	120S	150E	4300750127		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	Federal	GW	APD
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	Federal	GW	APD
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	Federal	GW	APD
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180		Federal	Federal	GW	APD
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-18D-12-15	7	120S	150E	4300750185		Federal	Federal	GW	APD
PRICKLY PEAR UF 4A-18D-12-15	7	120S	150E	4300750186		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-7D-12-15	7	120S	150E	4300750187		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-18D-12-15	7	120S	150E	4300750188		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-7D-12-15	7	120S	150E	4300750189		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-7D-12-15	7	120S	150E	4300750190		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-7D-12-15	7	120S	150E	4300750191		Federal	Federal	GW	APD
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220		Federal	Federal	GW	APD

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224		Federal	Federal	GW	APD
PRICKLY PEAR UF 1A-18D-12-15	7	120S	150E	4300750225		Federal	Federal	GW	APD
PRICKLY PEAR UF 2A-18D-12-15	7	120S	150E	4300750226		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-7D-12-15	7	120S	150E	4300750227		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-7D-12-15	7	120S	150E	4300750228		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-7D-12-15	7	120S	150E	4300750229		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-7D-12-15	7	120S	150E	4300750230		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-8D-12-15	8	120S	150E	4300750236		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-8D-12-15	8	120S	150E	4300750238		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-8D-12-15	8	120S	150E	4300750239		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-8D-12-15	8	120S	150E	4300750240		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-8D-12-15	8	120S	150E	4300750260		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-8D-12-15	8	120S	150E	4300750261		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-8D-12-15	8	120S	150E	4300750262		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-8D-12-15	8	120S	150E	4300750263		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-8D-12-15	8	120S	150E	4300750264		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-8D-12-15	8	120S	150E	4300750265		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-8D-12-15	8	120S	150E	4300750266		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-8D-12-15	8	120S	150E	4300750267		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-8D-12-15	8	120S	150E	4300750268		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-8D-12-15	8	120S	150E	4300750269		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-8D-12-15	8	120S	150E	4300750270		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-8D-12-15	8	120S	150E	4300750271		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-8D-12-15	8	120S	150E	4300750272		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-8D-12-15	8	120S	150E	4300750273		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-9D-12-15	9	120S	150E	4300750274		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-9D-12-15	9	120S	150E	4300750275		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-9D-12-15	9	120S	150E	4300750276		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-9D-12-15	9	120S	150E	4300750277		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-9D-12-15	9	120S	150E	4300750278		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-9D-12-15	9	120S	150E	4300750279		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-9D-12-15	9	120S	150E	4300750280		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-9D-12-15	9	120S	150E	4300750281		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-9D-12-15	9	120S	150E	4300750282		Federal	Federal	GW	APD
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283		State	Federal	GW	APD
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288		Federal	Federal	GW	APD
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298		Federal	Federal	GW	APD

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303		Federal	Federal	GW	APD
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304		Federal	Federal	GW	APD
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-7D-12-15	7	120S	150E	4300750309		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-7D-12-15	7	120S	150E	4300750311		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-7D-12-15	7	120S	150E	4300750313		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-7D-12-15	7	120S	150E	4300750314		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-7D-12-15	7	120S	150E	4300750315		Federal	Federal	GW	APD
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317		Federal	Federal	GW	APD
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-7D-12-15	7	120S	150E	4300750320		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-7D-12-15	7	120S	150E	4300750325		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-7D-12-15	7	120S	150E	4300750329		Federal	Federal	GW	APD
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-7D-12-15	7	120S	150E	4300750331		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-10D-12-15	9	120S	150E	4300750332		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-10D-12-15	9	120S	150E	4300750333		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-10D-12-15	9	120S	150E	4300750334		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-10D-12-15	9	120S	150E	4300750335		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-10D-12-15	9	120S	150E	4300750336		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-10D-12-15	9	120S	150E	4300750338		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-10D-12-15	9	120S	150E	4300750339		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-10D-12-15	9	120S	150E	4300750340		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-9D-12-15	9	120S	150E	4300750341		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-9D-12-15	9	120S	150E	4300750342		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-9D-12-15	9	120S	150E	4300750343		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-9D-12-15	9	120S	150E	4300750344		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-9D-12-15	9	120S	150E	4300750345		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-9D-12-15	9	120S	150E	4300750346		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349		Federal	Federal	GW	APD
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	Federal	GW	OPS
PRICKLY PEAR US 1A-16D-12-15	9	120S	150E	4300750192	14794	State	Federal	GW	OPS
PRICKLY PEAR US 2A-16D-12-15	9	120S	150E	4300750193	14794	State	Federal	GW	OPS
PRICKLY PEAR US 2-16D-12-15	9	120S	150E	4300750194	14794	State	Federal	GW	OPS
PRICKLY PEAR UF 9A-9D-12-15	9	120S	150E	4300750196	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 10-9D-12-15	9	120S	150E	4300750197	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 10A-9D-12-15	9	120S	150E	4300750198	14794	Federal	Federal	GW	OPS

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 14-9D-12-15	9	120S	150E	4300750199	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 14A-9D-12-15	9	120S	150E	4300750200	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 15-9D-12-15	9	120S	150E	4300750201	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 15A-9D-12-15	9	120S	150E	4300750203	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 16A-9D-12-15	9	120S	150E	4300750204	14794	Federal	Federal	GW	OPS
STONE CABIN FED 2-B-27	27	120S	150E	4300730018	14794	Federal	Federal	GW	P
PRICKLY PEAR ST 16-15	16	120S	150E	4300730522	14794	State	State	GW	P
PRICKLY PEAR UNIT 21-2	21	120S	150E	4300730828	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 13-16	16	120S	150E	4300730933	14794	State	State	GW	P
PRICKLY PEAR U ST 11-16	16	120S	150E	4300730944	14794	State	State	GW	P
PRICKLY PEAR U ST 7-16	16	120S	150E	4300730945	14794	State	State	GW	P
PRICKLY PEAR U FED 7-25	25	120S	150E	4300730954	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 36-06	36	120S	150E	4300731018	14794	State	State	GW	P
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E	4300731073	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E	4300731074	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E	4300731075	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E	4300731076	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E	4300731121	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E	4300731164	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E	4300731166	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E	4300731184	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E	4300731186	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E	4300731187	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E	4300731188	14794	Federal	Federal	GW	P
PRICKLY PEAR 11-15D-12-15	22	120S	150E	4300731189	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E	4300731192	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E	4300731193	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E	4300731194	15569	Federal	Federal	GW	P
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E	4300731195	15568	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E	4300731197	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E	4300731198	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E	4300731206	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E	4300731227	14794	State	State	GW	P
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E	4300731237	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E	4300731238	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E	4300731239	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E	4300731240	14794	State	State	GW	P
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E	4300731241	16028	Federal	Federal	GW	P
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E	4300731242	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E	4300731243	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E	4300731244	14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E	4300731245	14794	State	State	GW	P
PPU FED 11-18D-12-15	18	120S	150E	4300731257	14794	Federal	Federal	GW	P
PPU FED 11-20D-12-15	20	120S	150E	4300731258	14794	Federal	Federal	GW	P
PPU FED 4-25D-12-15	25	120S	150E	4300731259	14794	Federal	Federal	GW	P
PPU FED 12-25D-12-15	25	120S	150E	4300731260	16068	Federal	Federal	GW	P
PPU FED 14-26D-12-15	35	120S	150E	4300731282	16224	Federal	Federal	GW	P
PPU FED 2-35-12-15	35	120S	150E	4300731283	14794	Federal	Federal	GW	P
PPU FED 10-26D-12-15	35	120S	150E	4300731284	14794	Federal	Federal	GW	P
PPU FED 9-17-12-15	17	120S	150E	4300731287	14794	Federal	Federal	GW	P
PPU FED 1-17D-12-15	17	120S	150E	4300731288	14794	Federal	Federal	GW	P
PPU FED 7-17D-12-15	17	120S	150E	4300731289	14794	Federal	Federal	GW	P
PPU FED 1-18D-12-15	18	120S	150E	4300731294	14794	Federal	Federal	GW	P
PPU FED 7-18D-12-15	18	120S	150E	4300731295	14794	Federal	Federal	GW	P
PPU FED 5-17D-12-15	18	120S	150E	4300731296	14794	Federal	Federal	GW	P
PPU FED 10-17D-12-15	17	120S	150E	4300731307	14794	Federal	Federal	GW	P

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU FED 8-17D-12-15	17	120S	150E	4300731308	14794	Federal	Federal	GW	P
PPU FED 12-17D-12-15	17	120S	150E	4300731309	14794	Federal	Federal	GW	P
PPU FED 13-17D-12-15	17	120S	150E	4300731310	14794	Federal	Federal	GW	P
PPU FED 14-17D-12-15	17	120S	150E	4300731311	14794	Federal	Federal	GW	P
PPU FED 16-18D-12-15	17	120S	150E	4300731312	14794	Federal	Federal	GW	P
PPU FED 8-18D-12-15	18	120S	150E	4300731313	14794	Federal	Federal	GW	P
PPU FED 3-18D-12-15	18	120S	150E	4300731314	14794	Federal	Federal	GW	P
PPU FED 4-18-12-15	18	120S	150E	4300731315	14794	Federal	Federal	GW	P
PPU FED 5-18D-12-15	18	120S	150E	4300731316	14794	Federal	Federal	GW	P
PPU FED 6-18D-12-15	18	120S	150E	4300731317	14794	Federal	Federal	GW	P
PPU FED 16-17D-12-15	17	120S	150E	4300731321	14794	Federal	Federal	GW	P
PPU ST 15-16D-12-15	16	120S	150E	4300731322	14794	State	State	GW	P
PPU ST 16-16D-12-15	16	120S	150E	4300731323	14794	State	State	GW	P
PPU ST 14-16D-12-15	16	120S	150E	4300731324	14794	State	State	GW	P
PPU FED 3-21D-12-15	21	120S	150E	4300731328	14794	Federal	Federal	GW	P
PPU FED 4-21D-12-15	21	120S	150E	4300731329	14794	Federal	Federal	GW	P
PPU FED 13-15D-12-15	22	120S	150E	4300731358	14794	Federal	Federal	GW	P
PPU FED 14-15D-12-15	22	120S	150E	4300731359	14794	Federal	Federal	GW	P
PPU FED 4-22D-12-15	22	120S	150E	4300731360	14794	Federal	Federal	GW	P
PPU FED 6-22D-12-15	22	120S	150E	4300731361	14794	Federal	Federal	GW	P
PPU FED 2-28D-12-15	28	120S	150E	4300731362	14794	Federal	Federal	GW	P
PPU FED 16X-21D-12-15	28	120S	150E	4300731363	14794	Federal	Federal	GW	P
PPU FED 5A-27D-12-15	28	120S	150E	4300731364	14794	Federal	Federal	GW	P
PPU FED 1A-28D-12-15	28	120S	150E	4300731368	14794	Federal	Federal	GW	P
PPU FED 14A-18D-12-15	18	120S	150E	4300731393	14794	Federal	Federal	GW	P
PPU FED 10-18D-12-15	18	120S	150E	4300731394	14794	Federal	Federal	GW	P
PPU FED 15A-18D-12-15	18	120S	150E	4300731395	14794	Federal	Federal	GW	P
PPU FED 16A-18D-12-15	18	120S	150E	4300731396	14794	Federal	Federal	GW	P
PPU FED 12-22D-12-15	22	120S	150E	4300731398	14794	Federal	Federal	GW	P
PPU FED 11-22D-12-15	22	120S	150E	4300731399	14794	Federal	Federal	GW	P
PPU FED 14-22D-12-15	22	120S	150E	4300731400	14794	Federal	Federal	GW	P
PPU FED 4A-27D-12-15	22	120S	150E	4300731401	14794	Federal	Federal	GW	P
PPU FED 11-21D-12-15	21	120S	150E	4300731412	14794	Federal	Federal	GW	P
PPU FED 6-21D-12-15	21	120S	150E	4300731413	14794	Federal	Federal	GW	P
PPU FED 12-21D-12-15	21	120S	150E	4300731414	14794	Federal	Federal	GW	P
PPU FED 8-20D-12-15	20	120S	150E	4300731419	14794	Federal	Federal	GW	P
PPU FED 1A-20D-12-15	20	120S	150E	4300731420	14794	Federal	Federal	GW	P
PPU FED 2-20D-12-15	20	120S	150E	4300731421	14794	Federal	Federal	GW	P
PPU ST 7A-16D-12-15	16	120S	150E	4300731422	14794	State	State	GW	P
PPU ST 6-16D-12-15	16	120S	150E	4300731423	14794	State	State	GW	P
PPU ST 10A-16D-12-15	16	120S	150E	4300731424	14794	State	State	GW	P
PPU ST 3-16D-12-15	16	120S	150E	4300731425	14794	State	State	GW	P
PPU FED 5-21D-12-15	21	120S	150E	4300731451	14794	Federal	Federal	GW	P
PPU ST 8-16D-12-15	16	120S	150E	4300731455	14794	State	State	GW	P
PPU ST 12-16D-12-15	16	120S	150E	4300731456	14794	State	State	GW	P
PPU ST 12A-16D-12-15	16	120S	150E	4300731457	14794	State	State	GW	P
PPU ST 15A-16D-12-15	16	120S	150E	4300731458	14794	State	State	GW	P
PPU ST 10-16D-12-15	16	120S	150E	4300731459	14794	State	State	GW	P
PPU ST 11A-16D-12-15	16	120S	150E	4300731460	14794	State	State	GW	P
PPU ST 13A-16D-12-15	16	120S	150E	4300731461	14794	State	State	GW	P
PPU FED 10-7D-12-15	7	120S	150E	4300731470	14794	Federal	Federal	GW	P
PPU FED 15-7D-12-15	7	120S	150E	4300731471	14794	Federal	Federal	GW	P
PPU FED 9-7D-12-15	7	120S	150E	4300731472	14794	Federal	Federal	GW	P
PPU FED 16-7D-12-15	7	120S	150E	4300731473	14794	Federal	Federal	GW	P
PPU ST 6A-16D-12-15	16	120S	150E	4300731477	14794	State	State	GW	P
PPU ST 4-16D-12-15	16	120S	150E	4300731478	14794	State	State	GW	P

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU ST 4A-16D-12-15	16	120S	150E	4300731479	14794	State	State	GW	P
PPU ST 5A-16D-12-15	16	120S	150E	4300731480	14794	State	State	GW	P
PPU ST 3A-16D-12-15	16	120S	150E	4300731481	14794	State	State	GW	P
PPU ST 16A-16D-12-15	16	120S	150E	4300731484	14794	State	State	GW	P
PPU ST 9A-16D-12-15	16	120S	150E	4300731485	14794	State	State	GW	P
PPU ST 16B-16D-12-15	16	120S	150E	4300731514	14794	State	State	GW	P
PPU ST 14B-16D-12-15	16	120S	150E	4300731515	14794	State	State	GW	P
PPU ST 13B-16D-12-15	16	120S	150E	4300731516	14794	State	State	GW	P
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E	4300750041	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E	4300750042	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E	4300750043	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E	4300750044	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E	4300750045	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E	4300750046	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E	4300750047	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E	4300750048	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E	4300750049	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E	4300750050	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E	4300750051	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E	4300750052	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E	4300750053	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E	4300750054	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E	4300750056	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E	4300750057	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E	4300750058	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-8D-12-15	8	120S	150E	4300750059	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-8D-12-15	8	120S	150E	4300750060	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-17D-12-15	8	120S	150E	4300750061	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1A-17D-12-15	8	120S	150E	4300750062	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E	4300750076	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E	4300750077	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E	4300750078	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E	4300750079	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E	4300750080	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E	4300750081	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E	4300750082	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E	4300750083	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E	4300750084	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E	4300750085	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E	4300750086	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E	4300750088	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E	4300750089	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E	4300750090	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E	4300750091	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E	4300750098	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E	4300750099	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E	4300750100	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E	4300750101	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E	4300750102	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E	4300750103	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E	4300750104	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E	4300750105	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E	4300750106	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E	4300750107	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E	4300750108	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E	4300750136	14794	Federal	Federal	GW	P

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014
Prickly Pear Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E	4300750137	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E	4300750138	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E	4300750139	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 16A-8D-12-15	8	120S	150E	4300750140	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 15A-8D-12-15	8	120S	150E	4300750141	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 13A-9D-12-15	8	120S	150E	4300750142	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 13-9D-12-15	8	120S	150E	4300750143	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 12-9D-12-15	8	120S	150E	4300750144	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 10-8D-12-15	8	120S	150E	4300750145	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9-8D-12-15	8	120S	150E	4300750146	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 2A-17D-12-15	8	120S	150E	4300750147	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E	4300750171	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E	4300750172	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E	4300750173	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E	4300750174	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E	4300750175	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E	4300750176	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9-9D-12-15	9	120S	150E	4300750195	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 16-9D-12-15	9	120S	150E	4300750202	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E	4300750216	18289	Federal	Federal	GW	P
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E	4300750221	18290	Federal	Federal	GW	P
PRICKLY PEAR U ST 5-16	16	120S	150E	4300730943	14794	State	State	GW	S
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E	4300731165	14794	Federal	Federal	GW	S
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E	4300731183	14794	Federal	Federal	GW	S
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E	4300731196	15570	Federal	Federal	GW	S
PPU FED 4-35D-12-15	35	120S	150E	4300731285	16223	Federal	Federal	GW	S
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E	4300750087	14794	Federal	Federal	GW	S

COPY

FORM 9

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER: (see attached well list)
9. API NUMBER:
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: ENERVEST OPERATING, LLC
3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002 PHONE NUMBER: (713) 659-3500
4. LOCATION OF WELL
FOOTAGES AT SURFACE: (see attached well list) COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
1/1/2014	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

ENERVEST OPERATING, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO ENERVEST OPERATING, LLC BY BILL BILL BARRETT CORPORATION EFFECTIVE 1/1/2014. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

EnerVest Operating, L.L.C.
1001 Fannin, Suite 800
Houston, Texas 77002
713-659-3500
(BLM BOND # RLB 7886, STATE/FEE BOND # B008371)

BILL BARRETT CORPORATION
Duane Zavadil NAME (PLEASE PRINT)
Duane Zavadil SIGNATURE
Senior Vice President - EH&S, Government and Regulatory Affairs N2165

ENERVEST OPERATING, LLC
RONNIE L YOUNG NAME (PLEASE PRINT)
Ronnie L Young SIGNATURE
DIRECTOR - REGULATORY N4040

NAME (PLEASE PRINT) RONNIE YOUNG TITLE DIRECTOR - REGULATORY
SIGNATURE Ronnie L Young DATE 12/10/2013

(This space for State use only) APPROVED
JAN 28 2014
DIV. OIL, GAS & MINING
BY: Rachel Medina

RECEIVED
JAN 07 2014
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

UDOGM CHANGE OF OPERATOR WELL LIST

Well Name	Sec	TWN	RNG	API Number	Entity	Lease	Well Type	Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	160E	4300730460	15167	State	WI	A	
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166	State	WD	A	
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467	Federal	WD	A	
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	GW	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E	4300731465		Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E	4300731469		Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E	4300750094		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E	4300750095		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E	4300750096		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E	4300750097		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E	4300750124		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E	4300750125		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E	4300750126		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S	150E	4300750127		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E	4300750178		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E	4300750182		Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E	4300750185		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E	4300750186		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E	4300750187		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E	4300750188		Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 12A-7D-12-15	07	120S	150E	4300750189	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-7D-12-15	07	120S	150E	4300750190	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15	07	120S	150E	4300750191	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E	4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E	4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E	4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E	4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E	4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E	4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E	4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E	4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E	4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E	4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E	4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E	4300750261	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-8D-12-15	08	120S	150E	4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E	4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E	4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E	4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E	4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E	4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E	4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E	4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E	4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E	4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E	4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E	4300750273	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 5-9D-12-15	09	120S	150E	4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E	4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E	4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E	4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E	4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E	4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E	4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E	4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E	4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E	4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E	4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E	4300750313	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E	4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E	4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E	4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E	4300750325		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E	4300750329		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E	4300750331		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E	4300750332		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E	4300750333		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E	4300750334		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E	4300750335		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E	4300750336		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E	4300750338		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E	4300750339		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E	4300750340		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E	4300750341		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E	4300750342		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E	4300750343		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E	4300750344		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E	4300750345		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E	4300750346		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349		Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350		Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351		Federal	GW	APD	
PPU FED 9-34D-12-16	34	120S	160E	4300731430	17225	Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E	4300731475	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E	4300750034	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E	4300750120	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E	4300750121	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E	4300750122	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06	130S	170E	4300750149	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E	4300750150	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E	4300750192	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E	4300750193	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E	4300750194	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E	4300750196	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E	4300750197	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15	09	120S	150E	4300750198	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E	4300750199	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E	4300750200	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E	4300750201	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E	4300750203	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E	4300750204	14794	Federal	GW	OPS	PRICKLY PEAR
SHARPLES 1 GOVT PICKRELL	11	120S	150E	4300716045	7030	Federal	GW	P	

STONE CABIN UNIT 1	13	120S	140E	4300716542	12052	Federal	GW	P	
STONE CABIN FED 1-11	11	120S	140E	4300730014	6046	Federal	GW	P	
STONE CABIN FED 2-B-27	27	120S	150E	4300730018	14794	Federal	GW	P	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E	4300730049	2455	Federal	GW	P	
PETERS POINT ST 2-2-13-16	02	130S	160E	4300730521	14387	State	GW	P	
PRICKLY PEAR ST 16-15	16	120S	150E	4300730522	14794	State	GW	P	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E	4300730761	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E	4300730762	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E	4300730763	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E	4300730764	2470	Federal	GW	P	PETERS POINT
HUNT RANCH 3-4	03	120S	150E	4300730775	13158	State	GW	P	
PETERS POINT U FED 4-31D-12-17	36	120S	160E	4300730810	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E	4300730812	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E	4300730825	14353	Federal	GW	P	
PRICKLY PEAR UNIT 21-2	21	120S	150E	4300730828	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E	4300730859	14692	Federal	GW	P	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E	4300730866	14386	State	GW	P	
PRICKLY PEAR U ST 13-16	16	120S	150E	4300730933	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E	4300730944	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E	4300730945	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E	4300730954	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E	4300730965	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E	4300730982	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E	4300731004	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E	4300731005	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E	4300731008	14897	Federal	GW	P	
PETERS POINT U FED 12-31D-12-17	36	120S	160E	4300731009	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E	4300731010	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E	4300731011	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E	4300731018	14794	State	GW	P	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E	4300731024	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E	4300731049	14692	Federal	GW	P	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E	4300731056	15909	State	GW	P	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E	4300731073	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E	4300731074	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E	4300731075	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E	4300731076	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E	4300731121	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E	4300731158	14692	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E	4300731164	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E	4300731165	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E	4300731166	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	120S	160E	4300731174	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E	4300731175	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E	4300731183	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E	4300731184	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E	4300731186	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E	4300731187	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E	4300731188	14794	Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR 11-15D-12-15	22	120S	150E	4300731189	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E	4300731192	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E	4300731193	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E	4300731194	15569	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E	4300731195	15568	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E	4300731196	15570	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E	4300731197	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E	4300731198	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E	4300731206	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E	4300731226	15719	State	GW	P	
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E	4300731227	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E	4300731237	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E	4300731238	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E	4300731239	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E	4300731240	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E	4300731241	16028	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E	4300731242	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E	4300731243	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E	4300731244	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E	4300731245	14794	State	GW	P	PRICKLY PEAR
PPU FED 11-18D-12-15	18	120S	150E	4300731257	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 11-20D-12-15	20	120S	150E	4300731258	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-25D-12-15	25	120S	150E	4300731259	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-25D-12-15	25	120S	150E	4300731260	16068	Federal	GW	P	PRICKLY PEAR
PPU FED 15-6D-13-17	06	130S	170E	4300731261	16103	Federal	GW	P	PETERS POINT
PP UF 3-36-12-16	36	120S	160E	4300731271	2470	Federal	GW	P	PETERS POINT
PP UF 6-36-12-16	36	120S	160E	4300731272	2470	Federal	GW	P	PETERS POINT
PPU FED 6-35D-12-16	35	120S	160E	4300731275	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-16	26	120S	160E	4300731277	2470	Federal	GW	P	PETERS POINT
PPU FED 8-34-12-16	34	120S	160E	4300731279	2470	Federal	GW	P	PETERS POINT
PP ST 8-2D-13-16 (DEEP)	02	130S	160E	4300731280	16069	State	GW	P	
PPU FED 6-34D-12-16	34	120S	160E	4300731281	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-15	35	120S	150E	4300731282	16224	Federal	GW	P	PRICKLY PEAR
PPU FED 2-35-12-15	35	120S	150E	4300731283	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-26D-12-15	35	120S	150E	4300731284	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 9-17-12-15	17	120S	150E	4300731287	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1-17D-12-15	17	120S	150E	4300731288	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-17D-12-15	17	120S	150E	4300731289	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-1D-13-16 ULTRA DEEP	06	130S	170E	4300731293	14692	Federal	GW	P	PETERS POINT
PPU FED 1-18D-12-15	18	120S	150E	4300731294	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-18D-12-15	18	120S	150E	4300731295	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5-17D-12-15	18	120S	150E	4300731296	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-17D-12-15	17	120S	150E	4300731307	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-17D-12-15	17	120S	150E	4300731308	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-17D-12-15	17	120S	150E	4300731309	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 13-17D-12-15	17	120S	150E	4300731310	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-17D-12-15	17	120S	150E	4300731311	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-18D-12-15	17	120S	150E	4300731312	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-18D-12-15	18	120S	150E	4300731313	14794	Federal	GW	P	PRICKLY PEAR

PPU FED 3-18D-12-15	18	120S	150E	4300731314	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E	4300731315	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E	4300731316	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E	4300731317	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E	4300731318	2470	Federal	GW	P	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E	4300731319	2470	Federal	GW	P	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E	4300731320	2470	Federal	GW	P	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E	4300731321	14794	Federal	GW	P	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E	4300731322	14794	State	GW	P	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E	4300731323	14794	State	GW	P	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E	4300731324	14794	State	GW	P	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E	4300731326	14692	Federal	GW	P	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E	4300731328	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E	4300731329	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E	4300731345	2470	Federal	GW	P	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E	4300731346	2470	Federal	GW	P	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E	4300731347	2470	Federal	GW	P	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E	4300731348	2470	Federal	GW	P	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E	4300731349	2470	Federal	GW	P	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E	4300731351	2470	Federal	GW	P	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E	4300731352	2470	Federal	GW	P	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E	4300731353	2470	Federal	GW	P	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E	4300731358	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E	4300731359	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E	4300731360	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E	4300731361	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E	4300731362	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E	4300731363	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E	4300731364	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E	4300731365	2470	Federal	GW	P	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E	4300731368	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E	4300731393	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-18D-12-15	18	120S	150E	4300731394	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E	4300731395	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	120S	150E	4300731396	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E	4300731398	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E	4300731399	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E	4300731400	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E	4300731401	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E	4300731403	2470	Federal	GW	P	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E	4300731404	2470	Federal	GW	P	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E	4300731405	2470	Federal	GW	P	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E	4300731406	2470	Federal	GW	P	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E	4300731407	2470	Federal	GW	P	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E	4300731408	2470	Federal	GW	P	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E	4300731409	2470	Federal	GW	P	PETERS POINT
PPU FED 15-27D-12-16	27	120S	160E	4300731410	2470	Federal	GW	P	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E	4300731411	2470	Federal	GW	P	PETERS POINT
PPU FED 11-21D-12-15	21	120S	150E	4300731412	14794	Federal	GW	P	PRICKLY PEAR

PPU FED 6-21D-12-15	21	120S	150E	4300731413	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-21D-12-15	21	120S	150E	4300731414	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-20D-12-15	20	120S	150E	4300731419	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1A-20D-12-15	20	120S	150E	4300731420	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 2-20D-12-15	20	120S	150E	4300731421	14794	Federal	GW	P	PRICKLY PEAR
PPU ST 7A-16D-12-15	16	120S	150E	4300731422	14794	State	GW	P	PRICKLY PEAR
PPU ST 6-16D-12-15	16	120S	150E	4300731423	14794	State	GW	P	PRICKLY PEAR
PPU ST 10A-16D-12-15	16	120S	150E	4300731424	14794	State	GW	P	PRICKLY PEAR
PPU ST 3-16D-12-15	16	120S	150E	4300731425	14794	State	GW	P	PRICKLY PEAR
PPU FED 1-34D-12-16	34	120S	160E	4300731427	2470	Federal	GW	P	PETERS POINT
PPU FED 7-34D-12-16	34	120S	160E	4300731428	2470	Federal	GW	P	PETERS POINT
PPU FED 5-35D-12-16	34	120S	160E	4300731429	2470	Federal	GW	P	PETERS POINT
PPU FED 5-21D-12-15	21	120S	150E	4300731451	14794	Federal	GW	P	PRICKLY PEAR
PPU ST 8-16D-12-15	16	120S	150E	4300731455	14794	State	GW	P	PRICKLY PEAR
PPU ST 12-16D-12-15	16	120S	150E	4300731456	14794	State	GW	P	PRICKLY PEAR
PPU ST 12A-16D-12-15	16	120S	150E	4300731457	14794	State	GW	P	PRICKLY PEAR
PPU ST 15A-16D-12-15	16	120S	150E	4300731458	14794	State	GW	P	PRICKLY PEAR
PPU ST 10-16D-12-15	16	120S	150E	4300731459	14794	State	GW	P	PRICKLY PEAR
PPU ST 11A-16D-12-15	16	120S	150E	4300731460	14794	State	GW	P	PRICKLY PEAR
PPU ST 13A-16D-12-15	16	120S	150E	4300731461	14794	State	GW	P	PRICKLY PEAR
PPU FED 3-34D-12-16	34	120S	160E	4300731466	2470	Federal	GW	P	PETERS POINT
PPU FED 5-34D-12-16	34	120S	160E	4300731467	2470	Federal	GW	P	PETERS POINT
PPU FED 4-34D-12-16	34	120S	160E	4300731468	2470	Federal	GW	P	PETERS POINT
PPU FED 10-7D-12-15	07	120S	150E	4300731470	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 15-7D-12-15	07	120S	150E	4300731471	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 9-7D-12-15	07	120S	150E	4300731472	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-7D-12-15	07	120S	150E	4300731473	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-35D-12-16	35	120S	160E	4300731474	2470	Federal	GW	P	PETERS POINT
PPU FED 9-35D-12-16	35	120S	160E	4300731476	2470	Federal	GW	P	PETERS POINT
PPU ST 6A-16D-12-15	16	120S	150E	4300731477	14794	State	GW	P	PRICKLY PEAR
PPU ST 4-16D-12-15	16	120S	150E	4300731478	14794	State	GW	P	PRICKLY PEAR
PPU ST 4A-16D-12-15	16	120S	150E	4300731479	14794	State	GW	P	PRICKLY PEAR
PPU ST 5A-16D-12-15	16	120S	150E	4300731480	14794	State	GW	P	PRICKLY PEAR
PPU ST 3A-16D-12-15	16	120S	150E	4300731481	14794	State	GW	P	PRICKLY PEAR
PPU ST 16A-16D-12-15	16	120S	150E	4300731484	14794	State	GW	P	PRICKLY PEAR
PPU ST 9A-16D-12-15	16	120S	150E	4300731485	14794	State	GW	P	PRICKLY PEAR
PPU ST 16B-16D-12-15	16	120S	150E	4300731514	14794	State	GW	P	PRICKLY PEAR
PPU ST 14B-16D-12-15	16	120S	150E	4300731515	14794	State	GW	P	PRICKLY PEAR
PPU ST 13B-16D-12-15	16	120S	150E	4300731516	14794	State	GW	P	PRICKLY PEAR
PETERS POINT U FED 9-26D-12-16	25	120S	160E	4300750021	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-25D-12-16	25	120S	160E	4300750022	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-31D-12-17	31	120S	170E	4300750023	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-31D-12-17	31	120S	170E	4300750024	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-31D-12-17	31	120S	170E	4300750025	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-31D-12-17	31	120S	170E	4300750026	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-31D-12-17	31	120S	170E	4300750027	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14A-31D-12-17	31	120S	170E	4300750028	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-25D-12-16	25	120S	160E	4300750029	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-6D-13-17	31	120S	170E	4300750033	2470	Federal	GW	P	PETERS POINT

PETERS POINT U FED 10-25D-12-16	25	120S	160E	4300750035	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E	4300750037	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E	4300750038	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E	4300750039	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E	4300750040	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E	4300750041	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E	4300750042	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E	4300750043	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E	4300750044	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E	4300750045	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E	4300750046	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E	4300750047	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E	4300750048	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E	4300750049	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E	4300750050	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E	4300750051	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E	4300750052	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E	4300750053	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E	4300750054	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E	4300750056	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E	4300750057	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E	4300750058	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E	4300750059	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E	4300750060	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E	4300750061	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E	4300750062	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 3A-34D-12-16	27	120S	160E	4300750063	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E	4300750064	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E	4300750065	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E	4300750066	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E	4300750067	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E	4300750068	18204	Federal	GW	P	
PETERS POINT U FED 14A-27D-12-16	27	120S	160E	4300750069	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E	4300750076	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E	4300750077	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E	4300750078	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E	4300750079	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E	4300750080	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E	4300750081	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E	4300750082	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E	4300750083	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E	4300750084	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E	4300750085	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E	4300750086	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E	4300750087	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E	4300750088	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E	4300750089	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E	4300750090	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E	4300750091	14794	Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E	4300750098	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E	4300750099	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E	4300750100	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E	4300750101	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E	4300750102	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E	4300750104	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E	4300750105	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E	4300750106	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E	4300750107	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 5-31D-12-17	36	120S	160E	4300750109	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 6-31D-12-17	36	120S	160E	4300750116	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 9X-36D-12-16	36	120S	160E	4300750117	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 1-36D-12-16	36	120S	160E	4300750118	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-6D-13-17	06	130S	170E	4300750119	2470	Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-31D-12-17	06	130S	170E	4300750123	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E	4300750136	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E	4300750137	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E	4300750138	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E	4300750139	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E	4300750140	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E	4300750141	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E	4300750142	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13-9D-12-15	08	120S	150E	4300750143	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-9D-12-15	08	120S	150E	4300750144	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 10-8D-12-15	08	120S	150E	4300750145	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-8D-12-15	08	120S	150E	4300750146	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 2A-17D-12-15	08	120S	150E	4300750147	14794	Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 12-5D-13-17	06	130S	170E	4300750151	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 13-5D-13-17	06	130S	170E	4300750152	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 13-30D-12-17	30	120S	170E	4300750153	18347	Federal	GW	P	PETERS POINT
PETERS POINT UF 14-30D-12-17	30	120S	170E	4300750154	18350	Federal	GW	P	PETERS POINT
PETERS POINT UF 12-30D-12-17	30	120S	170E	4300750155	18346	Federal	GW	P	PETERS POINT
PETERS POINT UF 11-30D-12-17	30	120S	170E	4300750156	18348	Federal	GW	P	PETERS POINT
PETERS POINT UF 3-31D-12-17	30	120S	170E	4300750157	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 2-31D-12-17	30	120S	170E	4300750158	18349	Federal	GW	P	PETERS POINT
PETERS POINT UF 16-25D-12-16	30	120S	170E	4300750159	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 9-25D-12-16	30	120S	170E	4300750160	2470	Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E	4300750171	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E	4300750173	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E	4300750174	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E	4300750175	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E	4300750176	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-9D-12-15	09	120S	150E	4300750195	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16-9D-12-15	09	120S	150E	4300750202	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E	4300750216	18289	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E	4300750221	18290	Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 7X-36D-12-16	36	120S	160E	4300750231	2470	Federal	GW	P	PETERS POINT
PETERS POINT UF 8-36D-12-16	36	120S	160E	4300750232	2470	Federal	GW	P	PETERS POINT
PETERS POINT ST 6-2D-13-16	02	130S	160E	4300731017	14472	State	D	PA	

PTS 33-36 STATE	36	110S	140E	4301330486	6190	State	GW	PA	ARGYLE
PRICKLY PEAR U FED 10-4	10	120S	140E	4300730823	14462	Federal	GW	S	
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E	4300730860	14853	Fee	GW	S	
PRICKLY PEAR U ST 5-16	16	120S	150E	4300730943	14794	State	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E	4300730985	14771	Federal	GW	S	
PETERS POINT ST 8-2D-13-16	02	130S	160E	4300731016	14471	State	GW	S	
PPU FED 4-35D-12-15	35	120S	150E	4300731285	16223	Federal	GW	S	PRICKLY PEAR
PPU FED 5-36D-12-16	36	120S	160E	4300731350	2470	Federal	GW	S	PETERS POINT
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E	4300750103	14794	Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E	4300750108	14794	Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E	4300750172	14794	Federal	GW	S	PRICKLY PEAR