



July 25, 2007

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

RE: Directional Drilling R649-3-11
Prickly Pear Unit Federal #6-18D-12-15
SHL: 533' FNL & 586' FWL, LOT 1 (NWNW) 18-T12S-R15E
BHL: 1982' FNL & 1448' FWL, SENW 18-T12S-R15E
Carbon County, Utah

Dear Ms. Mason:

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

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

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
Senior Landman

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

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JUL 26 2007
DIV. OF OIL, GAS & MINING

COPY

Form 3160-3
(April 2004)

**BBC
CONFIDENTIAL**

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-73668	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name n/a	
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. Prickly Pear Unit/UTU-079487	
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202		8. Lease Name and Well No. Prickly Pear Unit Fed 6-18D-12-15	
3b. Phone No. (include area code) (303) 312-8134		9. API Well No. pending 43-007-31317	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWNW, Lot 1, 533' FNL, 586' FWL At proposed prod. zone SENW, 1982' FNL, 1448' FWL, SEC. 18		10. Field and Pool, or Exploratory <i>Undesignated</i> Nine Mile /Wasatch-Mesaverde	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 18, T12S-R15E		12. County or Parish Carbon	
13. State UT		14. Distance in miles and direction from nearest town or post office* approximately 45 miles from Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 533' SH/1448' BH	16. No. of acres in lease 899.77	17. Spacing Unit dedicated to this well 40 acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 16' SH/857' BH	19. Proposed Depth 8000'	20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7556' ungraded ground	22. Approximate date work will start* 10/01/2007	23. Estimated duration 45 days	

24. Attachments

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

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

25. Signature <i>Tracey Fallang</i>	Name (Printed/Typed) Tracey Fallang	Date 7/25/07
Title Environmental/Regulatory Analyst		
Approved by Signature <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 08-02-07
Title ENVIRONMENTAL MANAGER		

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

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

*(Instructions on page 2)

Surf

BHL

Federal Approval of this
Action is Necessary

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DIV. OF OIL, GAS & MINING

561300X
4403323Y
39.779529
-110.284182

561560X
4402883Y
39.775550
-110.281184

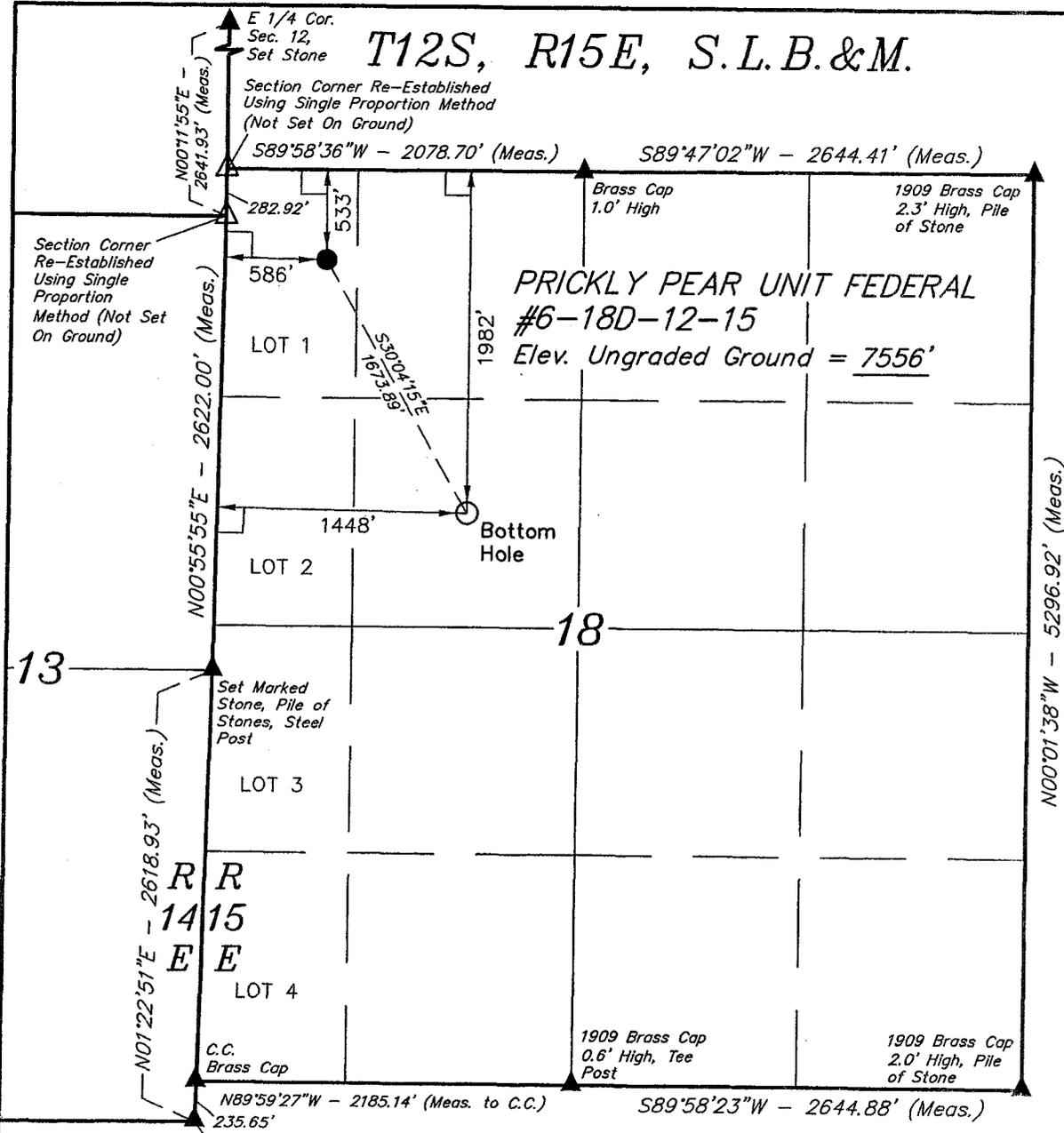
T12S, R15E, S.L.B.&M.

BILL BARRETT CORPORATION

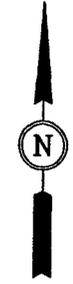
Well location, PRICKLY PEAR UNIT FEDERAL #6-18D-12-15, located as shown in LOT 1 of Section 18, T12S, R15E, S.L.B.&M., Carbon County, Utah.

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, CARBON COUNTY, QUADRANGLE, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.



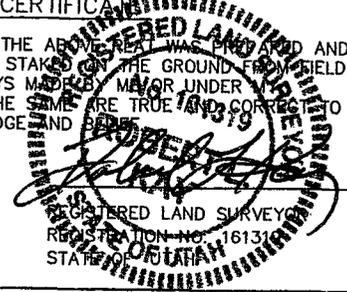
N00°01'38\"W - 5296.92' (Meas.)



SCALE

CERTIFICATION

THIS IS TO CERTIFY THAT THE ABOVE REAL WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY MAJOR UNDER SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



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

BASIS OF BEARINGS

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

(NAD 83)
 LATITUDE = 39°46'46.13" (39.779481)
 LONGITUDE = 110°17'05.17" (110.284769)
 (NAD 27)
 LATITUDE = 39°46'46.26" (39.779517)
 LONGITUDE = 110°17'02.61" (110.284058)

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

SCALE 1" = 1000'	DATE SURVEYED: 07-06-07	DATE DRAWN: 07-16-07
PARTY D.R. K.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

HAZARDOUS MATERIAL DECLARATION

FOR WELL NO. PRICKLY PEAR UNIT FEDERAL #6-18D-12-15
LEASE NO. UTU 73668

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

DRILLING PROGRAM

BILL BARRETT CORPORATION

Prickly Pear Unit Federal #6-18D-12-15

NWNW, Lot 1, 533' FNL, 586' FWL, Sec. 18, T12S-R15E (surface hole)

SEnw, 1982' FNL, 1448' FWL, Sec. 18, 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	3059'*	2900'*
North Horn	5158'*	4830'*
Dark Canyon	6899'*	6570'*
Price River	7149'*	6820'*
TD	8000'*	7700'*

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
<ul style="list-style-type: none"> - Drilling spool to accommodate choke and kill lines; - Ancillary and choke manifold to be rated @ 3000 psi; - Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2; - The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests. - BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner. 	

4. **Casing Program**

Hole Size	SETTING DEPTH (FROM) (TO)		Casing Size	Casing Weight	Casing Grade	Thread	Condition
12 1/4"	surface	1,000'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8" & 8 3/4"	surface	8,000'	5 1/2"	17#	N-80	LT&C	New
<p>Note: Pending evaluation of anticipated stress on the production casing, BBC may use 5 1/2", 20# P-110 LT&C production casing instead of the 17# N-80. BBC is also evaluating the benefit of using 4-1/2", 11.6#, I-80, LT&C production casing and wishes to have that option approved in this APD. The 4-1/2" casing design sheet is included in this package. Cement volumes would be adjusted accordingly.</p>							

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 1/2" Production Casing	Approximately 1570 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**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0 – 40'	8.3 – 8.6	27 – 40	--	Native Spud Mud
40' – 1000'	8.3 – 8.6	27 – 40	15 cc or less	Native/Gel/Lime
1000' – TD	8.6 – 9.5	38-46	15 cc or less	LSND/DAP
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce tork and drag.				
Note: In the event air drilling should occur at this location:				
<ul style="list-style-type: none"> - Fresh water would be used to suppress the dust coming out. The blooie line, approximately 37' long and 6" diameter, would run from the pit to the wellhead. There is no ignition system as burnable gas should not be encountered. - Capacity of compressor: 1250SCFM with an 1170 SCFM on standby, which would be located very near the wellbore. The compressor has switches to shut off should any problems be encountered. - The rig has mud pumps capable of pumping the kill fluid (fresh water), of which there is 500 bbls on location at all times. 				

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 3804 psi* and maximum anticipated surface pressure equals approximately 2110 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: October 1, 2007
Spud: October 10, 2007
Duration: 15 days drilling time
30 days completion time

SURFACE USE PLAN

BILL BARRETT CORPORATION

Prickly Pear Unit Federal #6-18D-12-15

NWNW, Lot 1, 533' FNL, 586' FWL, Sec. 18, T12S-R15E (surface hole)

SENW, 1982' FNL, 1448' FWL, Sec. 18, T12S-R15E (bottom hole)

Carbon County, Utah

The onsite for this location was conducted on 7/23/2007.

This directional well is the third of four wells to be drilled from this pad (one vertical well and three directional wells).

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

1. Existing Roads:

- a. The proposed well site is located approximately 45 miles from Myton, Utah. Maps reflecting directions to the proposed well site are included (see Topographic maps A and B).
- b. The use of roads under State and County Road Department maintenance is necessary to access the Prickly Pear Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County road systems are proposed at this time.
- c. All existing roads will be maintained and kept in good repair during all phases of operation.
- d. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- e. Since no improvements are anticipated to the State, County or BLM access roads, no topsoil stripping will occur.
- f. An off-lease federal right-of-way for the access road and utility corridor is not anticipated at this time since existing roads are being utilized into the Prickly Pear Unit area. All new construction will be within the Unit.

2. Planned Access Road:

- a. From the existing Prickly Pear road, BBC will traverse east on approximately 0.5 miles (2640') of proposed access road for the Prickly Pear 7-18-12-15 pad location. From that point, approximately 0.1 miles (528') of new access running southeast is required for this pad. In the unlikely event that BBC would not drill the 7-18 location, a total of 3168' of new access would be required to access this pad. A road design plan is not anticipated at this time.
- b. The new access road will consist of an 18' travel surface within a 32' temporary disturbance area. The proposed access has been placed to minimize impact to the environment and natural drainage of the area.

- c. BLM approval to construct this new access road is requested with this application.
- d. A maximum grade of 10% will be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- e. The access road will be constructed using standard equipment and techniques. Bulldozers and/or road graders would first clear vegetation and topsoil from the ROW. These materials may be windrowed for future redistribution during the reclamation process. The surface would be crowned to facilitate drainage to a borrow ditch on each side of the road designed to minimize erosion potential. Following completion of the wells on the pad, graveling or capping the roadbed would be performed as necessary to provide a well constructed, safe road.
- f. Following completion of all wells planned on the pad, the road will be reduced to an 18-foot wide running surface and reclaimed according to the specifications of the appropriate agency or private land owner.
- g. A turnout is not proposed.
- h. 18" diameter culverts will be installed as necessary. Adequate drainage structures, where necessary, will be incorporated into the remainder of the road.
- i. No surfacing material will come from Indian lands or off-lease Federal lands. BBC requests that any excess rock from construction of the pad be used for surfacing of the access road, if necessary. Any additional materials needs may come from either existing SITLA Materials Permits (334, 385, 396) or from federal wells within the Prickly Pear unit.
- j. No gates or cattle guards are anticipated at this time.
- k. Surface disturbance and vehicular travel will be limited to the approved location access road. Adequate signs will be posted, as necessary, to warn the public of project related traffic.
- l. All access roads and surface disturbing activities will conform to the appropriate standard, no higher than necessary, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – 2006.
- m. The operator will be responsible for all maintenance of the access road including drainage structures. It is BBC's intent to maintain the newly constructed access road to this wellsite.

3. Location of Existing Wells:

- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed well:
 - i. water wells none
 - ii. injection wells none
 - iii. disposal wells none

iv. drilling wells	none
v. temp shut-in wells	one
vi. producing wells	six
vii. abandoned wells	two

- b. Topographic Map C may not include all wells noted in A. above if new wells have been drilled since the date of the plat. An additional map has been included indicating current locations.

4. Location of Production Facilities (see enclosed "proposed facility layout plats"):

- a. Some permanent structures/facilities will be shared between this proposed well and the additional wells to be drilled from this pad. Each well will have its own meter run and separator. Pending the evaluation of completion operations, additional water and/or oil tanks may be added if necessary.
- b. All permanent above-ground structures will be painted a flat, non-reflective Olive Black to match the standard environmental colors. All facilities will be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- c. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- d. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3. Use of an electronic flow meter (EFM) for gas measurement purposes is requested with this application. Use of a flow conditioner is also being requested (versus straightening vanes).
- e. A tank battery(s) will be constructed on this lease. It will be surrounded by a berm sufficient to contain the storage capacity of 1.5 times the single largest tank inside the berm. All loading lines and valves will be placed inside the berm surrounding the tank battery or will have a secondary containment vessel. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. BBC requests permission to install the necessary production/operation facilities with this application.
- f. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- g. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic as practicable. The roads will be maintained in a safe, useable condition.
- h. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

- i. A gas pipeline (approximately 569' of up to 10" pipe) is associated with this application and is being applied for at this time. The proposed gas pipeline will traverse west/northwest from the well pad and tie in to a proposed buried pipeline of up to 12" for the Prickly Pear 7-18-12-15 pad. In the unlikely event that the 7-18 pad locations would not be drilled, approximately 3200' of new pipeline would be required for the wells on this pad. This pipeline would tie into an existing 12" surface-laid pipeline.
- j. The proposed steel gas pipeline will be buried, where soil conditions permit, within a 20' utility corridor immediately adjacent to the 32' disturbed area for the new access road road (see Topographic Map D).
- k. As referred to in (j). above, the line will not be buried in areas with bedrock at or near surface that would require blasting to loosen rock before excavation for burial of the pipeline. A table of the actual pipeline corridor width required is noted below for the different scenarios. **BBC is requesting a 20' utility corridor but actual disturbance will be based on the applicable scenario, which in this case would be surface-laid.**

Surface-Laid:	20' utility corridor + 32' road corridor = 52' TOTAL
	Estimated disturbance for utility to be minimal, if any, within the 20' requested. Total disturbance would be 32'.
Buried:	20' utility corridor + 32' road corridor = 52' TOTAL
	Estimated disturbance for utility to include all 20' requested. Total disturbance would be 52'.

- l. The determination to bury or surface lay the pipeline will be made by the Authorized Officer at the time of construction.
 - m. BBC intends on stringing the pipeline on the surface, welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. The welded joints will remain on the surface. BBC intends on connecting the pipeline together utilizing conventional welding technology.
5. Location and Type of Water Supply:
- a. Bill Barrett Corporation will use water consistent with approvals granted by the Utah State Engineer's Office under Application Number 90-1846 (T76109) which expires March 27, 2008 or an existing water well in Sec. 13, T12S-R14E granted by the Utah State Engineer's Office under Application Number 90-1844 (T75896) which expires September 5, 2007.
 - b. Water use for this location will most likely be diverted from Nine Mile Creek, the N¼ of Section 3, T12S-R14E. Bobtail trucks would haul the water, traveling Prickly Pear road to Harmon Canyon, traveling north to this point of diversion.
6. Source of Construction Material:
- a. The use of materials will conform to 43 CFR 3610.2-3.
 - b. No construction materials will be taken off-lease.
 - c. If any additional gravel is required, it will be obtained from a SITLA materials permits or will be taken from federal BBC locations within the Prickly Pear unit.

7. Methods of Handling Waste Disposal:
- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
 - b. Drill cuttings will be contained and buried on site.
 - c. The reserve pit will be located outboard of the location along the north side of the pad.
 - d. The reserve pit will be constructed so as not to leak, break or allow any discharge.
 - e. If necessary, the reserve pit will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt-liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be anchored with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations.
 - f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
 - g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of annually in association with the drilling, testing or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities will be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the well.
 - h. Trash will be contained in a trash cage or roll-off container and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Carbon or Uintah County Landfill.
 - i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
 - j. After initial clean-up and based on volumes, BBC will install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. Thereafter, produced water will be used in further drilling and completion activities, evaporated in the pit, or hauled to R & I Disposal, a State approved disposal facility.
 - k. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

- l. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Price or Vernal Wastewater Treatment Facility in accordance with state and county regulations.
 - m. Any liquid hydrocarbons produced during completion work will be contained in test tanks on the well location. The tanks will be removed from location at a later date.
 - n. A flare pit may be constructed a minimum of 110' from the wellhead and may be used during completion work. In the event a flare pit proves to be unworkable in this situation, a flare stack will be installed. BBC will flow back as much fluid and gas as possible into pressurized vessels, separating the fluid from the gas. The fluid will then be either returned to the reserve pit or placed into a tank. Gas will be then directed into the flare pit or the flare stack and a constant source of ignition will be on site. This should eliminate any fires in and around the reserve pit. Natural gas will be directed to the pipeline as soon as pipeline gas quality standards are met. By eliminating condensate on the reserve pit and discharge of gas within the reserve pit, potential for damage to the pit liner will be minimized.
 - o. Any hydrocarbons floating on the surface of the reserve pit will be removed as soon as possible after drilling and completion operations are finished.
 - p. If hydrocarbons are present on the reserve pit and are not removed shortly after drilling or completion operations cease, the reserve pit will be flagged overhead or covered with wire or plastic mesh to protect migrating birds.
8. Ancillary Facilities:
- a. Garbage containers and portable toilets are the only ancillary facilities proposed in this application
9. Well Site Layout:
- a. The well will be properly identified in accordance with 43 CFR 3162.6.
 - b. The rig layout and cross section diagrams are enclosed (see Location Layout and Cross Section Plats).
 - c. The pad and road designs are consistent with BLM specifications.
 - d. The pad has been staked at its maximum size of 488' x 172' with a reserve pit size of 200' x 100' (approximately 4.2 acres).
 - e. All surface disturbing activities will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
 - f. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
 - g. Diversion ditches will be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.

- h. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- i. Pits will remain fenced until site cleanup.
- j. If air drilling occurs, the blooie line will be located at least 100 feet from the well head and will run from the wellhead directly to the pit.
- k. Water application may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

- a. Site reclamation for a producing well(s) will be accomplished for portions of the site not required for the continued operation of the well(s) on this pad.
- b. The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- c. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit will be allowed to dry prior to the commencement of backfilling work. No attempts will be made to backfill the reserve pit until the pit is free of standing water. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. Rat and mouse holes will be filled and compacted from bottom to top immediately upon release of the drilling rig from location.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. Areas not used for production purposes will be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Erosion control measures will be adhered to after slope reduction. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes will be reduced as practical and scarified with the contour. The reserved topsoil will be evenly distributed over the slopes and scarified along the contour. Slopes will be seeded with the BLM specified seed mix. Reclamation operations for the well pad are expected to require one week and will begin when the fluids in the reserve pit have evaporated. Seeding will take place either during the fall (prior to ground frost) or spring (after frost leaves the ground) months. Restoration of un-needed portions of the pad will commence as soon as practical after the installation of production facilities.
- e. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top-soiled and revegetated. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents. Topsoil salvaged from the drill site and stored for more than one year will be placed at the location indicated on the well site layout drawing and graded to

a depth optimum to maintain topsoil viability, seeded with the BLM prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

- f. Salvaged topsoil from the road (if any) and the drill site will be evenly re-spread over cut and fill surfaces not actively used during the production phase. Upon final reclamation at the end of the project life, topsoil spread on these surfaces will be used for the overall reclamation effort.

11. Surface and Mineral Ownership:

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

12. Other Information:

- a. Montgomery Archaeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 07-230, dated June 27, 2007.
- b. BBC will identify areas in our drilling program where fluids escaping the wellbore and exiting onto a hillside might occur. In those cases, BBC will be ready with cement and/or fluid loss compounds (types of lost circulation fluids) to heal up vags and cracks. Upon individual evaluation of the proposed well sites, BBC may air drill the hole to surface casing depth if necessary.
- c. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24” to 48” wide and is approximately 10’ tall. Combustor placement would be on existing disturbance and would not be closer than 100’ to any tank or wellhead.

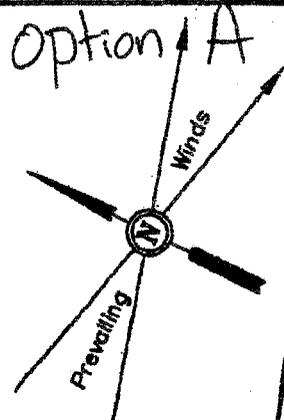
Proposed Facility Layout (1 of 2)

BILL BARRETT CORPORATION

FIGURE #1

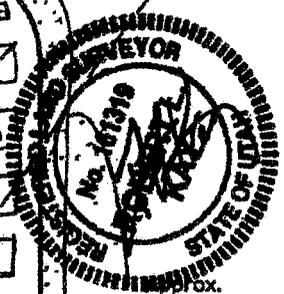
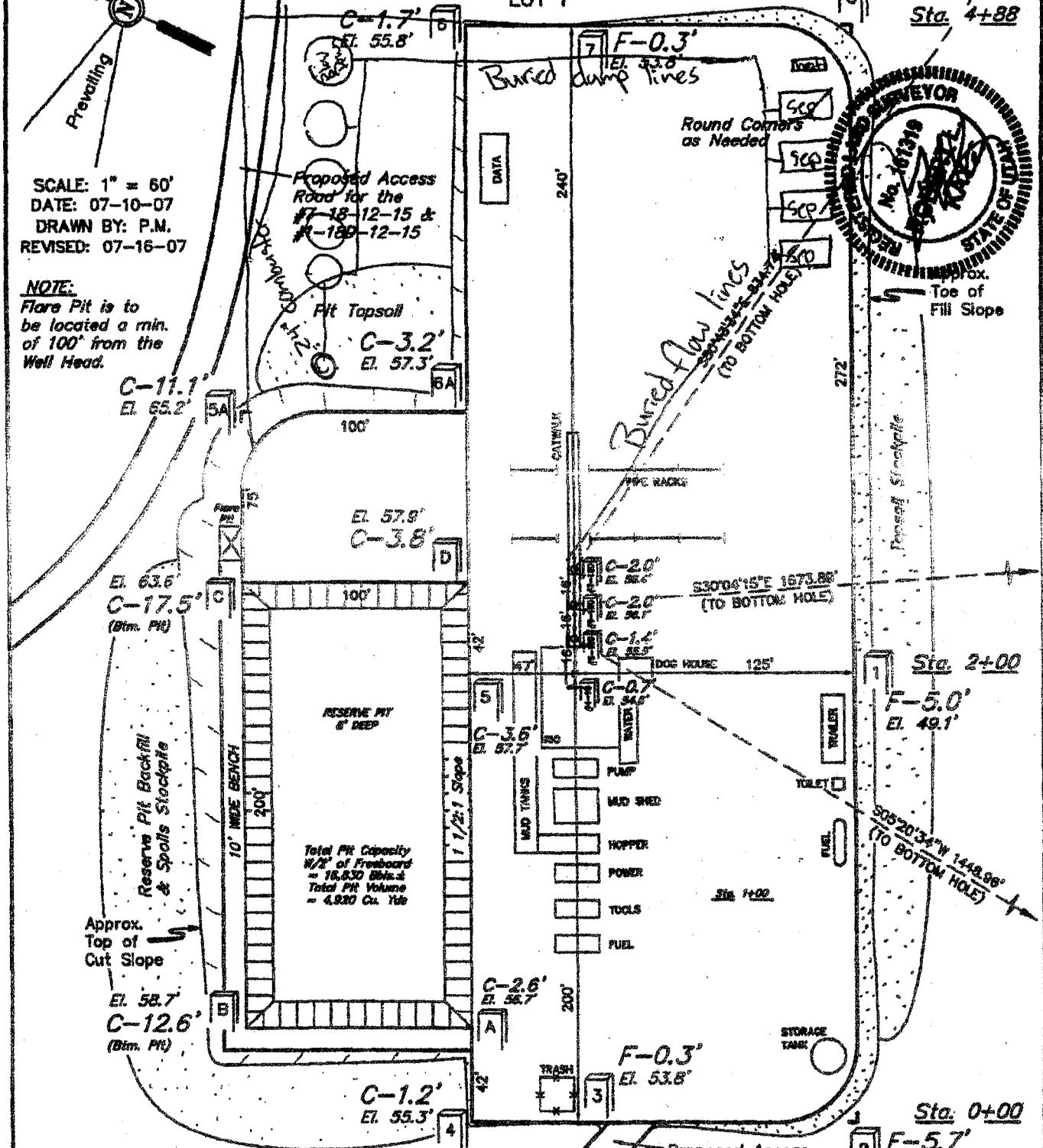
LOCATION LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL #4-18-12-15,
#5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
SECTION 18, T12S, R15E, S.L.B.&M.
LOT 1



SCALE: 1" = 60'
DATE: 07-10-07
DRAWN BY: P.M.
REVISED: 07-16-07

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



Elev. Ungraded Ground At #4-18 Loc. Stake = 7554.8'
FINISHED GRADE ELEV. AT #4-18 LOC. STAKE = 7554.1'

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

OPERATOR CERTIFICATION

Certification:

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

Executed this 25th day of July 2007
Name: Tracey Fallang
Position Title: Regulatory Analyst
Address: 1099 18th Street, Suite 2300, Denver, CO 80202
Telephone: 303-312-8134
Field Representative Fred Goodrich
Address: 1820 W. Hwy 40, Roosevelt, UT 84066
Telephone: 435-725-3515
E-mail: _____

Tracey Fallang
Tracey Fallang, Environmental/Regulatory Analyst

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

Design parameters:

Collapse

Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

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

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface

pressure: 2,735 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 2,955 psi

Annular backup: 9.50 ppg

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)

Non-directional string.

Tension is based on buoyed weight.
 Neutral point: 859 ft

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)	Nominal Size (in)	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/K-56	ST&C	1000	1000	8.796	71.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse 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 Dominic Spencer
 by: 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:	Utah: West Tavaputs
Operator:	Bill Barrett
String type:	Production
Location:	Carbon County, UT

Design parameters:

Collapse
Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Environment:

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

Burst:
Design factor 1.00

Cement top: 2,375 ft

Burst

Max anticipated surface pressure: 4,705 psi
Internal gradient: 0.02 psi/ft
Calculated BHP: 4,935 psi

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

Non-directional string.

Annular backup: 9.50 ppg

Tension is based on buoyed weight.
Neutral point: 2,555 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Veri Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
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 Dominic Spencer
by: 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
String type:	Production
Location:	Carbon County, Utah

Design parameters:

Collapse
Mud weight: 9.50 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75.00 °F
Bottom hole temperature: 189 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 2,500 ft

Burst

Max anticipated surface pressure: 2,226 psi
Internal gradient: 0.22 psi/ft
Calculated BHP: 4,016 psi

(No backup mud specified.)

Tension:
8 Round STC: 1.50 (J)
8 Round LTC: 1.80 (J)
Butress: 1.50 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,560 ft

Directional info - Build & Drop

Kick-off point: 1000 ft
Departure at shoe: 2765 ft
Maximum depth: 7,700 ft
Inclination at shoe: 0.1

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	8730	5.5	20.00	P-110	LT&C	8138	8730	4.653	353.3
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	4016	11100	2.764	4016	12630	3.14	139	548	3.93 J

Prepared Dominic Spencer
by: Bill Barrett Corporation

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

Date: August 25, 2004
Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 8138 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 & Kamler method of biaxial correction for tension.

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 tensile load which is added to the axial load.

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: 2,580 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-80	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	6350	1.287	4935	7780	1.58	100	223	2.24 J

Prepared Dominic Spencer
by: Bill Barrett

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

Date: December 13, 2005
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.

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 yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

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

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

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

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

D. Choke Manifold Equipment:

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

E. Accumulator:

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

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

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

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

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

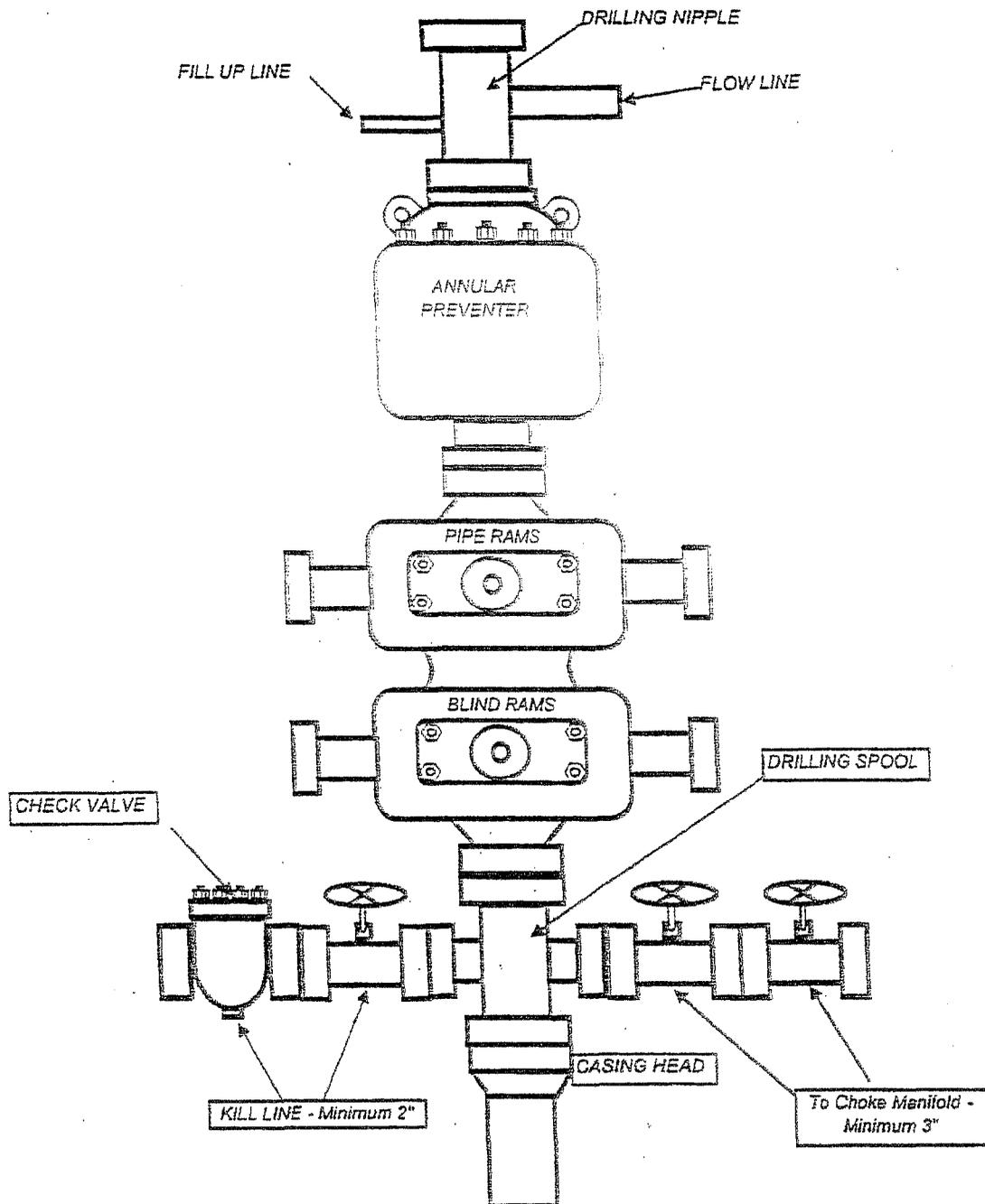
F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The 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.

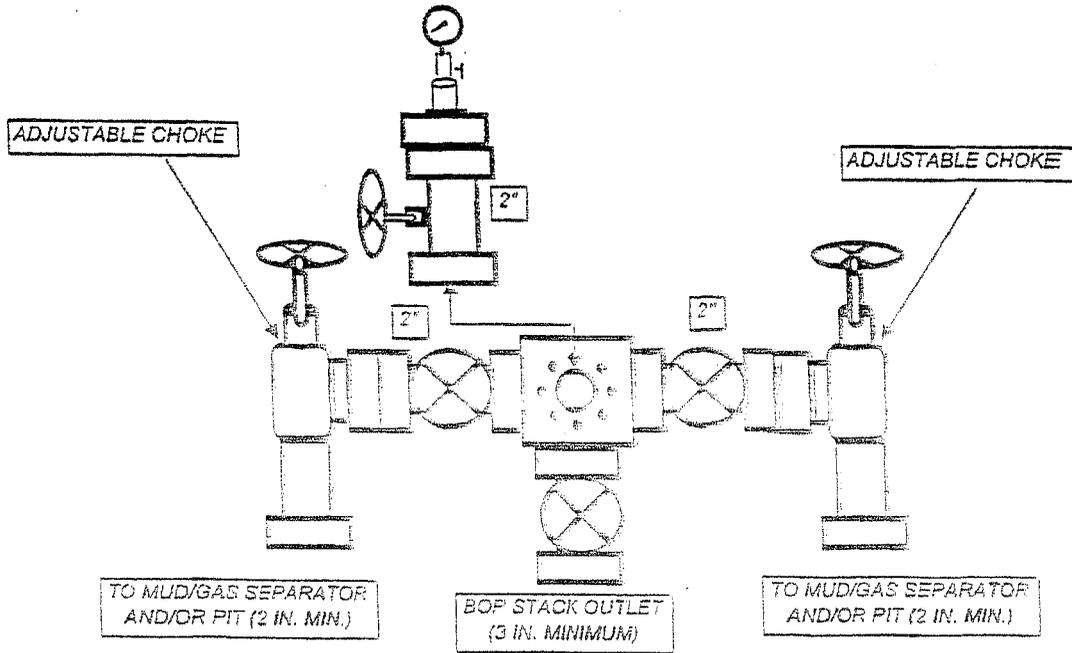
BILL BARRETT CORPORATION

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



BILL BARRETT CORPORATION

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





Bill Barrett Corporation

NINE MILE CEMENT VOLUMES

Well Name: Prickly Pear Unit Federal 6-18D-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:	8,000'
Top of Cement:	900'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1793.4	ft ³
Lead Fill:	7,100'	

Cement Data:

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

Calculated # of Sacks:

# SK's Lead:	570
--------------	-----

Prickly Pear Unit Federal 6-18D-12-15 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
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

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (8000' - 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: 7,100'
0.125 lbm/sk Poly-E-Flake	Volume: 415.22 bbl
1.0 lbm/sk Granulite TR 1/4	Proposed Sacks: 1570 sks



PRICKLY PEAR #6-18D-12-15
 533' FNL, 586' FWL
 SEC 18 T12S R15E
 CARBON COUNTY, UTAH

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	150.85	0.00	0.00	0.00	0.00	0.00	0.00	
2	250.00	0.00	150.85	250.00	0.00	0.00	0.00	150.85	0.00	
3	650.00	8.00	150.85	648.70	-24.35	13.58	2.00	150.85	27.88	
4	1065.34	8.00	150.85	1060.00	-74.83	41.74	0.00	0.00	85.68	
5	1747.68	25.06	150.85	1711.73	-243.75	135.95	2.50	0.00	279.10	
6	4526.85	25.06	150.85	4229.31	-1271.77	709.30	0.00	0.00	1456.20	
7	5529.19	0.00	0.00	5200.00	-1460.17	814.38	2.50	180.00	1671.91	
8	7779.19	0.00	0.00	7450.00	-1460.17	814.38	0.00	0.00	1671.91	PBHL_6-18D

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PRICKLY PEAR UF #6-18D-12-15	14.10	29.18	7090735.19	1981931.34	39°46'45.129N	110°17'05.166W	N/A

SITE DETAILS

PRICKLY PEAR 4-18 PAD
 SECTION 18 T12S R15E
 547' FNL, 557' FWL

Site Centre Latitude: 39°46'45.990N
 Longitude: 110°17'05.540W

Ground Level: 7554.10
 Positional Uncertainty: 0.00
 Convergence: 0.78



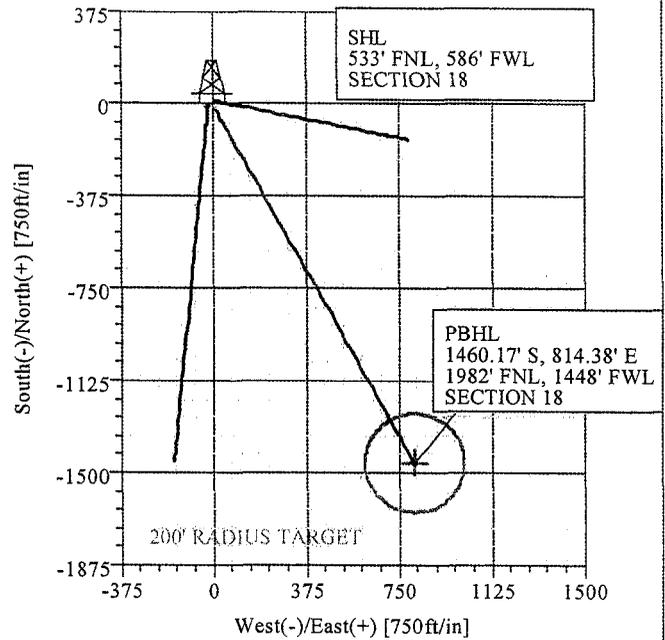
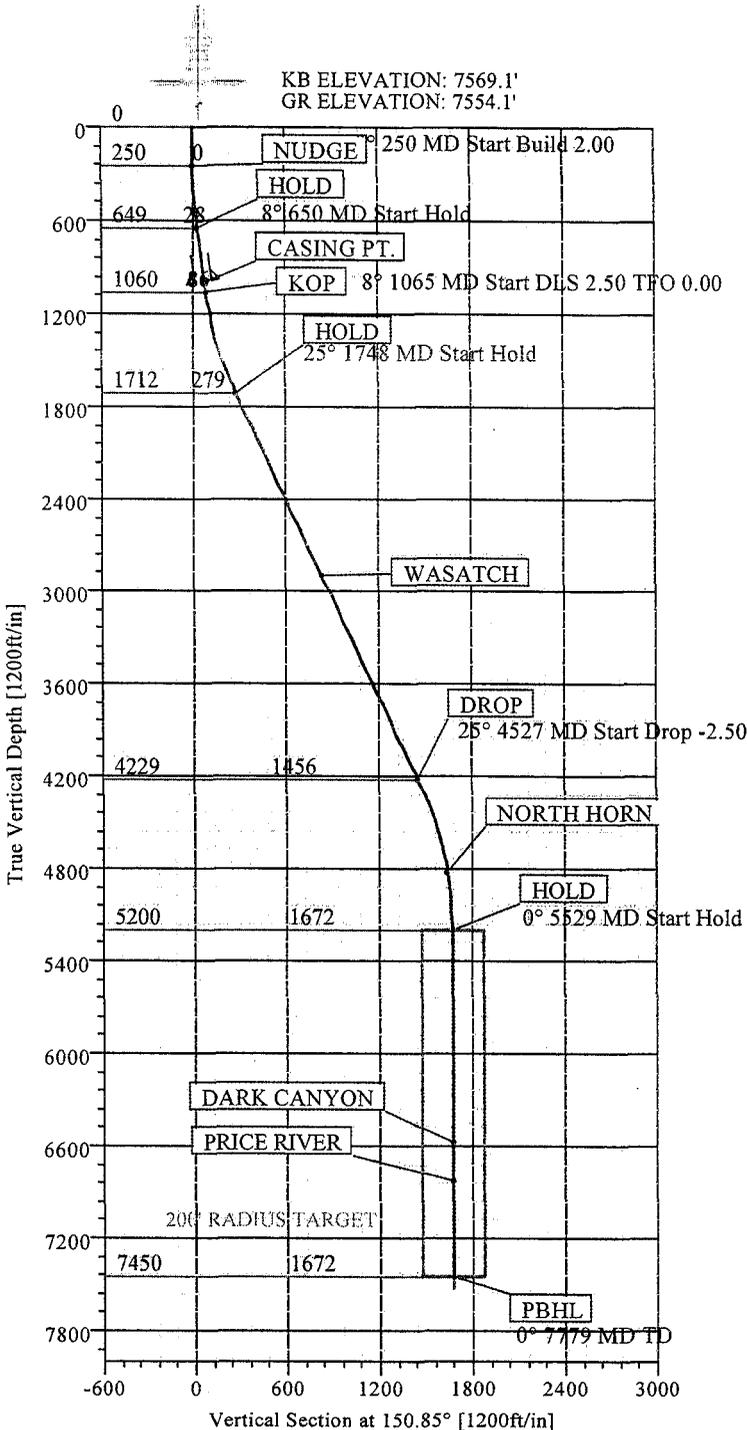
Azimuths to True North
 Magnetic North: 11.87°

Magnetic Field
 Strength: 52526nT
 Dip Angle: 65.65°
 Date: 7/23/2007
 Model: bggm2006

TOTAL CORRECTION TO TRUE NORTH 11.87°

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	2900.00	3059.42	WASATCH
2	4830.00	5157.56	NORTH HORN
3	6570.00	6899.19	DARK CANYON
4	6820.00	7149.19	PRICE RIVER



Weatherford®

Plan: Plan #1 (PRICKLY PEAR UF #6-18D-12-15/1)

Created By: ROBERT SCOTT

Date: 7/23/2007

Weatherford International, Ltd.

PLAN REPORT

Company: BILL BARRETT CORP	Date: 7/23/2007	Time: 11:57:20	Page: 1
Field: CARBON COUNTY, UTAH	Co-ordinate(NE) Reference: Well: PRICKLY PEAR UF #6-18D-12-15		
Site: PRICKLY PEAR 4-18 PAD	Vertical (TVD) Reference: SITE 7569.1		
Well: PRICKLY PEAR UF #6-18D-12-15	Section (VS) Reference: Well (0.00N,0.00E,150.85Az)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: CARBON COUNTY, UTAH

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: Utah, Central Zone
Coordinate System: Well Centre
Geomagnetic Model: bggm2006

Site: PRICKLY PEAR 4-18 PAD
SECTION 18 T12S R15E
547' FNL, 557' FWL

Site Position: Northing: 7090720.70 ft Latitude: 39 46 45.990 N
From: Geographic Easting: 1981902.35 ft Longitude: 110 17 5.540 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 7554.10 ft Grid Convergence: 0.78 deg

Well: PRICKLY PEAR UF #6-18D-12-15
533' FNL, 586' FWL

Well Position: +N/-S 14.10 ft Northing: 7090735.19 ft Latitude: 39 46 46.129 N
+E/-W 29.18 ft Easting: 1981931.34 ft Longitude: 110 17 5.166 W
Position Uncertainty: 0.00 ft

Wellpath: 1

Current Datum: SITE Height 7569.10 ft
Magnetic Data: 7/23/2007
Field Strength: 52526 nT
Vertical Section: Depth From (TVD) +N/-S Direction
ft ft ft deg

0.00	0.00	0.00	150.85
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Plan: Plan #1
Principal: Yes

Date Composed: 7/23/2007
Version: 1
Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	150.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	150.85	250.00	0.00	0.00	0.00	0.00	0.00	150.85	
650.00	8.00	150.85	648.70	-24.35	13.58	2.00	2.00	0.00	150.85	
1065.34	8.00	150.85	1060.00	-74.83	41.74	0.00	0.00	0.00	0.00	
1747.68	25.06	150.85	1711.73	-243.75	135.95	2.50	2.50	0.00	0.00	
4526.85	25.06	150.85	4229.31	-1271.77	709.30	0.00	0.00	0.00	0.00	
5529.19	0.00	0.00	5200.00	-1460.17	814.38	2.50	-2.50	0.00	180.00	
7779.19	0.00	0.00	7450.00	-1460.17	814.38	0.00	0.00	0.00	0.00	PBHL_6-18D

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
250.00	0.00	150.85	250.00	0.00	0.00	0.00	0.00	0.00	0.00	NUDGE
350.00	2.00	150.85	349.98	-1.52	0.85	1.75	2.00	2.00	0.00	
450.00	4.00	150.85	449.84	-6.09	3.40	6.98	2.00	2.00	0.00	
550.00	6.00	150.85	549.45	-13.71	7.64	15.69	2.00	2.00	0.00	
650.00	8.00	150.85	648.70	-24.35	13.58	27.88	2.00	2.00	0.00	HOLD
750.00	8.00	150.85	747.73	-36.50	20.36	41.80	0.00	0.00	0.00	
850.00	8.00	150.85	846.76	-48.66	27.14	55.71	0.00	0.00	0.00	
950.00	8.00	150.85	945.78	-60.81	33.92	69.63	0.00	0.00	0.00	
1004.75	8.00	150.85	1000.00	-67.47	37.63	77.25	0.00	0.00	0.00	CASING PT.
1050.00	8.00	150.85	1044.81	-72.97	40.70	83.55	0.00	0.00	0.00	
1065.34	8.00	150.85	1060.00	-74.83	41.74	85.68	0.00	0.00	0.00	KOP
1150.00	10.12	150.85	1143.60	-86.47	48.23	99.01	2.50	2.50	0.00	
1250.00	12.62	150.85	1241.63	-103.68	57.83	118.72	2.50	2.50	0.00	
1350.00	15.12	150.85	1338.71	-124.61	69.50	142.68	2.50	2.50	0.00	

Weatherford International, Ltd.

PLAN REPORT

Company: BILL BARRETT CORP	Date: 7/23/2007	Time: 11:57:20	Page: 2
Field: CARBON COUNTY, UTAH	Co-ordinate(NE) Reference:	Well: PRICKLY PEAR UF #6-18D-12-15	
Site: PRICKLY PEAR 4-18 PAD	Vertical (TVD) Reference:	SITE 7569.1	
Well: PRICKLY PEAR UF #6-18D-12-15	Section (VS) Reference:	Well (0.00N,0.00E,150.85Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TV ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
1450.00	17.62	150.85	1434.65	-149.22	83.22	170.86	2.50	2.50	0.00	
1550.00	20.12	150.85	1529.27	-177.46	98.97	203.19	2.50	2.50	0.00	
1650.00	22.62	150.85	1622.39	-209.27	116.72	239.62	2.50	2.50	0.00	
1747.68	25.06	150.85	1711.73	-243.75	135.95	279.10	2.50	2.50	0.00	HOLD
1750.00	25.06	150.85	1713.83	-244.61	136.43	280.08	0.00	0.00	0.00	
1850.00	25.06	150.85	1804.42	-281.60	157.06	322.43	0.00	0.00	0.00	
1950.00	25.06	150.85	1895.00	-318.59	177.69	364.79	0.00	0.00	0.00	
2050.00	25.06	150.85	1985.59	-355.58	198.32	407.14	0.00	0.00	0.00	
2150.00	25.06	150.85	2076.18	-392.57	218.95	449.50	0.00	0.00	0.00	
2250.00	25.06	150.85	2166.77	-429.56	239.58	491.85	0.00	0.00	0.00	
2350.00	25.06	150.85	2257.36	-466.55	260.21	534.21	0.00	0.00	0.00	
2450.00	25.06	150.85	2347.94	-503.54	280.84	576.56	0.00	0.00	0.00	
2550.00	25.06	150.85	2438.53	-540.53	301.47	618.91	0.00	0.00	0.00	
2650.00	25.06	150.85	2529.12	-577.52	322.10	661.27	0.00	0.00	0.00	
2750.00	25.06	150.85	2619.71	-614.51	342.73	703.62	0.00	0.00	0.00	
2850.00	25.06	150.85	2710.29	-651.50	363.36	745.98	0.00	0.00	0.00	
2950.00	25.06	150.85	2800.88	-688.49	383.99	788.33	0.00	0.00	0.00	
3050.00	25.06	150.85	2891.47	-725.48	404.62	830.69	0.00	0.00	0.00	
3059.42	25.06	150.85	2900.00	-728.96	406.57	834.68	0.00	0.00	0.00	WASATCH
3150.00	25.06	150.85	2982.06	-762.47	425.25	873.04	0.00	0.00	0.00	
3250.00	25.06	150.85	3072.64	-799.46	445.88	915.40	0.00	0.00	0.00	
3350.00	25.06	150.85	3163.23	-836.45	466.51	957.75	0.00	0.00	0.00	
3450.00	25.06	150.85	3253.82	-873.44	487.14	1000.10	0.00	0.00	0.00	
3550.00	25.06	150.85	3344.41	-910.43	507.77	1042.46	0.00	0.00	0.00	
3650.00	25.06	150.85	3434.99	-947.42	528.41	1084.81	0.00	0.00	0.00	
3750.00	25.06	150.85	3525.58	-984.41	549.04	1127.17	0.00	0.00	0.00	
3850.00	25.06	150.85	3616.17	-1021.40	569.67	1169.52	0.00	0.00	0.00	
3950.00	25.06	150.85	3706.76	-1058.39	590.30	1211.88	0.00	0.00	0.00	
4050.00	25.06	150.85	3797.34	-1095.38	610.93	1254.23	0.00	0.00	0.00	
4150.00	25.06	150.85	3887.93	-1132.37	631.56	1296.59	0.00	0.00	0.00	
4250.00	25.06	150.85	3978.52	-1169.36	652.19	1338.94	0.00	0.00	0.00	
4350.00	25.06	150.85	4069.11	-1206.35	672.82	1381.29	0.00	0.00	0.00	
4450.00	25.06	150.85	4159.69	-1243.34	693.45	1423.65	0.00	0.00	0.00	
4526.85	25.06	150.85	4229.31	-1271.77	709.30	1456.20	0.00	0.00	0.00	DROP
4550.00	24.48	150.85	4250.33	-1280.24	714.03	1465.90	2.50	-2.50	0.00	
4650.00	21.98	150.85	4342.22	-1314.68	733.24	1505.34	2.50	-2.50	0.00	
4750.00	19.48	150.85	4435.73	-1345.60	750.48	1540.73	2.50	-2.50	0.00	
4850.00	16.98	150.85	4530.71	-1372.91	765.72	1572.01	2.50	-2.50	0.00	
4950.00	14.48	150.85	4626.96	-1396.59	778.92	1599.12	2.50	-2.50	0.00	
5050.00	11.98	150.85	4724.29	-1416.57	790.07	1622.00	2.50	-2.50	0.00	
5150.00	9.48	150.85	4822.54	-1432.83	799.13	1640.62	2.50	-2.50	0.00	
5157.56	9.29	150.85	4830.00	-1433.91	799.73	1641.85	2.50	-2.50	0.00	NORTH HORN
5250.00	6.98	150.85	4921.50	-1445.33	806.11	1654.93	2.50	-2.50	0.00	
5350.00	4.48	150.85	5020.99	-1454.05	810.97	1664.91	2.50	-2.50	0.00	
5450.00	1.98	150.85	5120.83	-1458.97	813.71	1670.55	2.50	-2.50	0.00	
5529.19	0.00	0.00	5200.00	-1460.17	814.38	1671.91	2.50	-2.50	0.00	HOLD
5550.00	0.00	0.00	5220.81	-1460.17	814.38	1671.91	0.00	0.00	0.00	
5650.00	0.00	0.00	5320.81	-1460.17	814.38	1671.91	0.00	0.00	0.00	
5750.00	0.00	0.00	5420.81	-1460.17	814.38	1671.91	0.00	0.00	0.00	
5850.00	0.00	0.00	5520.81	-1460.17	814.38	1671.91	0.00	0.00	0.00	
5950.00	0.00	0.00	5620.81	-1460.17	814.38	1671.91	0.00	0.00	0.00	
6050.00	0.00	0.00	5720.81	-1460.17	814.38	1671.91	0.00	0.00	0.00	

Weatherford International, Ltd.

Anticollision Report

Company:	BILL BARRETT CORP	Date: 7/23/2007	Time: 11:58:20	Page: 1
Field:	CARBON COUNTY, UTAH			
Reference Site:	PRICKLY PEAR 4-18 PAD	Co-ordinate(NE) Reference:	Well: PRICKLY PEAR UF #6-18D-12-15	
Reference Well:	PRICKLY PEAR UF #6-18D-12-15	Vertical (TVD) Reference:	SITE 7569.1	
Reference Wellpath:	1	Db: Sybase		

NO GLOBAL SCAN: Using user defined selection & scan criteria		Reference:	Plan: Plan #1
Interpolation Method: MD	Interval: 100.00 ft	Error Model:	ISCWSA Ellipse
Depth Range: 0.00 to 7779.19 ft		Scan Method:	Closest Approach 3D
Maximum Radius: 10000.00 ft		Error Surface:	Ellipse

Plan: Plan #1	Date Composed: 7/23/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Summary

Site	← Offset Wellpath → Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
PRICKLY PEAR 4-18 PAD	PRICKLY PEAR UF #3-18D-12-15	1 V0 Plan: Plan #1 V1	500.00	499.68	18.75	16.75	9.35	
PRICKLY PEAR 4-18 PAD	PRICKLY PEAR UF #4-18D-12-15	1 V0 Plan: Plan #1 V1	600.00	599.13	39.84	37.35	15.98	
PRICKLY PEAR 4-18 PAD	PRICKLY PEAR UF #5-18D-12-15	1 V0 Plan: Plan #1 V1	500.00	499.09	23.04	21.00	11.32	

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #3-18D-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
0.00	0.00	0.00	0.00	0.00	0.00	63.42	7.05	14.09	15.76		No Data	
100.00	100.00	100.00	100.00	0.10	0.10	63.42	7.05	14.09	15.76	15.57	82.47	
200.00	200.00	200.00	200.00	0.32	0.32	63.42	7.05	14.09	15.76	15.12	24.60	
300.00	300.00	300.00	300.00	0.55	0.55	270.99	7.05	14.09	15.74	14.65	14.44	
400.00	399.93	399.93	399.93	0.77	0.77	258.46	7.05	14.09	16.07	14.52	10.41	
500.00	499.68	499.68	499.68	1.02	0.99	237.17	7.05	14.09	18.75	16.75	9.35	
600.00	599.13	599.13	599.13	1.29	1.22	217.53	7.05	14.09	25.96	23.50	10.53	
700.00	698.21	698.21	698.21	1.60	1.44	204.97	7.05	14.09	37.59	34.66	12.86	
800.00	797.24	797.24	797.24	1.92	1.66	198.30	7.05	14.09	50.56	47.18	14.95	
900.00	896.27	896.27	896.27	2.25	1.89	194.39	7.05	14.09	63.93	60.09	16.65	
1000.00	995.30	995.30	995.30	2.59	2.11	191.83	7.05	14.09	77.50	73.20	18.01	
1100.00	1094.28	1094.99	1094.99	2.93	2.33	190.17	7.00	14.35	91.29	86.53	19.16	
1200.00	1192.72	1195.98	1195.90	3.32	2.56	190.30	6.27	18.05	106.74	101.50	20.38	
1300.00	1290.30	1296.88	1296.46	3.76	2.80	191.85	4.69	26.09	124.27	118.54	21.69	
1400.00	1386.83	1397.50	1396.28	4.27	3.05	194.25	2.27	38.43	144.07	137.81	23.03	
1500.00	1482.13	1497.62	1494.97	4.85	3.33	197.10	-0.97	54.97	166.34	159.49	24.30	
1600.00	1576.03	1597.07	1592.17	5.50	3.65	200.14	-5.01	75.56	191.30	183.77	25.40	
1700.00	1668.33	1693.64	1685.83	6.23	4.02	202.93	-9.54	98.66	219.42	211.10	26.38	
1800.00	1759.12	1788.31	1777.58	7.04	4.40	204.69	-14.03	121.51	251.03	241.85	27.36	
1900.00	1849.71	1882.84	1869.21	7.86	4.81	205.88	-18.51	144.34	283.20	273.11	28.09	
2000.00	1940.30	1977.38	1960.84	8.70	5.23	206.84	-22.99	167.16	315.46	304.44	28.63	
2100.00	2030.89	2071.92	2052.47	9.54	5.67	207.62	-27.47	189.99	347.78	335.80	29.03	
2200.00	2121.47	2166.45	2144.10	10.38	6.11	208.26	-31.95	212.81	380.15	367.19	29.33	
2300.00	2212.06	2260.99	2235.73	11.23	6.56	208.81	-36.42	235.64	412.56	398.60	29.57	
2400.00	2302.65	2355.53	2327.36	12.09	7.02	209.27	-40.90	258.46	444.99	430.03	29.75	
2500.00	2393.24	2450.06	2418.99	12.94	7.49	209.67	-45.38	281.29	477.45	461.47	29.89	
2600.00	2483.82	2544.60	2510.62	13.80	7.96	210.02	-49.86	304.11	509.93	492.93	30.00	
2700.00	2574.41	2639.13	2602.25	14.66	8.43	210.33	-54.34	326.94	542.42	524.39	30.09	
2800.00	2665.00	2733.67	2693.88	15.52	8.90	210.61	-58.82	349.76	574.92	555.86	30.16	
2900.00	2755.59	2828.21	2785.51	16.39	9.38	210.85	-63.30	372.59	607.44	587.33	30.22	
3000.00	2846.17	2922.74	2877.14	17.25	9.86	211.07	-67.78	395.41	639.96	618.81	30.26	
3100.00	2936.76	3017.28	2968.77	18.12	10.34	211.27	-72.26	418.24	672.49	650.30	30.30	
3200.00	3027.35	3111.82	3060.40	18.98	10.82	211.45	-76.73	441.06	705.03	681.79	30.33	
3300.00	3117.94	3206.35	3152.03	19.85	11.30	211.61	-81.21	463.89	737.57	713.28	30.36	
3400.00	3208.52	3300.89	3243.66	20.71	11.79	211.76	-85.69	486.71	770.12	744.77	30.38	
3500.00	3299.11	3395.42	3335.29	21.58	12.28	211.90	-90.17	509.53	802.67	776.27	30.40	

Weatherford International, Ltd.

Anticollision Report

Company: BILL BARRETT CORP **Date:** 7/23/2007 **Time:** 11:58:20 **Page:** 2
Field: CARBON COUNTY, UTAH
Reference Site: PRICKLY PEAR 4-18 PAD **Co-ordinate(NE) Reference:** **Well:** PRICKLY PEAR UF #6-18D-12-15
Reference Well: PRICKLY PEAR UF #6-18D-12-15 **Vertical (TVD) Reference:** SITE 7569.1
Reference Wellpath: 1 **Db:** Sybase

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #3-18D-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	3389.70	3489.96	3426.92	22.45	12.76	212.03	-94.65	532.36	835.23	807.76	30.41	
3700.00	3480.29	3584.50	3518.55	23.32	13.25	212.15	-99.13	555.18	867.79	839.26	30.42	
3800.00	3570.87	3679.03	3610.18	24.19	13.74	212.26	-103.61	578.01	900.35	870.77	30.43	
3900.00	3661.46	3773.57	3701.81	25.05	14.23	212.36	-108.09	600.83	932.92	902.27	30.44	
4000.00	3752.05	3868.11	3793.44	25.92	14.72	212.45	-112.57	623.66	965.48	933.77	30.45	
4100.00	3842.64	3962.64	3885.08	26.79	15.21	212.54	-117.04	646.48	998.06	965.28	30.45	
4200.00	3933.22	4057.18	3976.71	27.66	15.70	212.63	-121.52	669.31	1030.63	996.79	30.45	
4300.00	4023.81	4151.72	4068.34	28.53	16.19	212.70	-126.00	692.13	1063.20	1028.29	30.46	
4400.00	4114.40	4244.70	4158.48	29.40	16.66	212.77	-130.39	714.49	1095.80	1059.85	30.48	
4500.00	4204.99	4333.28	4244.83	30.27	17.02	212.72	-134.19	733.86	1128.75	1091.90	30.63	
4600.00	4296.06	4421.73	4331.63	31.05	17.31	212.23	-137.47	750.58	1161.28	1123.76	30.95	
4700.00	4388.78	4510.78	4419.50	31.64	17.58	211.65	-140.25	764.75	1190.95	1152.92	31.32	
4800.00	4483.05	4600.38	4508.32	32.17	17.81	211.09	-142.52	776.29	1217.59	1179.13	31.66	
4900.00	4578.68	4690.43	4597.90	32.64	18.00	210.55	-144.25	785.14	1241.17	1202.37	31.99	
5000.00	4675.50	4780.80	4688.06	33.05	18.16	210.04	-145.45	791.24	1261.68	1222.62	32.30	
5100.00	4773.31	4871.41	4778.60	33.40	18.29	209.55	-146.10	794.55	1279.08	1239.85	32.60	
5200.00	4871.94	4964.75	4871.94	33.68	18.40	209.06	-146.23	795.19	1293.35	1260.35	39.19	
5300.00	4971.19	5064.00	4971.19	33.90	18.53	208.67	-146.23	795.19	1304.01	1270.84	39.31	
5400.00	5070.88	5163.69	5070.88	34.06	18.66	208.43	-146.23	795.19	1310.88	1277.53	39.31	
5500.00	5170.81	5263.62	5170.81	34.17	18.79	208.32	-146.23	795.19	1313.92	1280.41	39.21	
5600.00	5270.81	5363.62	5270.81	34.23	18.92	359.16	-146.23	795.19	1314.08	1280.31	38.91	
5700.00	5370.81	5463.62	5370.81	34.29	19.06	359.16	-146.23	795.19	1314.08	1280.01	38.57	
5800.00	5470.81	5563.62	5470.81	34.36	19.19	359.16	-146.23	795.19	1314.08	1279.71	38.23	
5900.00	5570.81	5663.62	5570.81	34.42	19.33	359.16	-146.23	795.19	1314.08	1279.41	37.90	
6000.00	5670.81	5763.62	5670.81	34.48	19.47	359.16	-146.23	795.19	1314.08	1279.10	37.57	
6100.00	5770.81	5863.62	5770.81	34.55	19.61	359.16	-146.23	795.19	1314.08	1278.80	37.24	
6200.00	5870.81	5963.62	5870.81	34.61	19.76	359.16	-146.23	795.19	1314.08	1278.49	36.92	
6300.00	5970.81	6063.62	5970.81	34.68	19.90	359.16	-146.23	795.19	1314.08	1278.17	36.60	
6400.00	6070.81	6163.62	6070.81	34.75	20.05	359.16	-146.23	795.19	1314.08	1277.86	36.28	
6500.00	6170.81	6263.62	6170.81	34.82	20.20	359.16	-146.23	795.19	1314.08	1277.54	35.96	
6600.00	6270.81	6363.62	6270.81	34.89	20.34	359.16	-146.23	795.19	1314.08	1277.22	35.65	
6700.00	6370.81	6463.62	6370.81	34.97	20.50	359.16	-146.23	795.19	1314.08	1276.90	35.34	
6800.00	6470.81	6563.62	6470.81	35.04	20.65	359.16	-146.23	795.19	1314.08	1276.57	35.04	
6900.00	6570.81	6663.62	6570.81	35.12	20.80	359.16	-146.23	795.19	1314.08	1276.25	34.73	
7000.00	6670.81	6763.62	6670.81	35.19	20.95	359.16	-146.23	795.19	1314.08	1275.92	34.44	
7100.00	6770.81	6863.62	6770.81	35.27	21.11	359.16	-146.23	795.19	1314.08	1275.59	34.14	
7200.00	6870.81	6963.62	6870.81	35.35	21.27	359.16	-146.23	795.19	1314.08	1275.26	33.85	
7300.00	6970.81	7063.62	6970.81	35.43	21.43	359.16	-146.23	795.19	1314.08	1274.92	33.56	
7400.00	7070.81	7163.62	7070.81	35.51	21.58	359.16	-146.23	795.19	1314.08	1274.59	33.27	
7500.00	7170.81	7263.62	7170.81	35.60	21.75	359.16	-146.23	795.19	1314.08	1274.25	32.99	
7600.00	7270.81	7363.62	7270.81	35.68	21.91	359.16	-146.23	795.19	1314.08	1273.91	32.71	
7700.00	7370.81	7463.62	7370.81	35.77	22.07	359.16	-146.23	795.19	1314.08	1273.57	32.43	
7779.19	7450.00	7542.81	7450.00	35.84	22.20	359.16	-146.23	795.19	1314.08	1273.29	32.22	

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #4-18-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	0.00	0.00	0.00	0.00	244.21	-14.10	-29.18	32.41			No Data
100.00	100.00	100.00	100.00	0.10	0.10	244.21	-14.10	-29.18	32.41	32.22	169.65	

Weatherford International, Ltd.

Anticollision Report

Company:	BILL BARRETT CORP	Date:	7/23/2007	Time:	11:58:20	Page:	3
Field:	CARBON COUNTY, UTAH	Co-ordinate(NE) Reference:	Well: PRICKLY PEAR UF #6-18D-12-15				
Reference Site:	PRICKLY PEAR 4-18 PAD	Vertical (TVD) Reference:	SITE 7569.1				
Reference Well:	PRICKLY PEAR UF #6-18D-12-15						
Reference Wellpath:	1	Db: Sybase					

Site: PRICKLY PEAR 4-18 PAD
 Well: PRICKLY PEAR UF #4-18-12-15
 Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD ft	TVD ft	MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
200.00	200.00	200.00	200.00	0.32	0.32	244.21	-14.10	-29.18	32.41	31.77	50.60	
300.00	300.00	300.00	300.00	0.55	0.55	94.13	-14.10	-29.18	32.44	31.35	29.75	
400.00	399.93	399.93	399.93	0.77	0.77	100.19	-14.10	-29.18	32.88	31.33	21.29	
500.00	499.68	499.68	499.68	1.02	0.99	111.51	-14.10	-29.18	34.80	32.78	17.29	
600.00	599.13	599.13	599.13	1.29	1.22	125.50	-14.10	-29.18	39.84	37.35	15.98	
700.00	698.21	698.21	698.21	1.60	1.44	138.35	-14.10	-29.18	48.95	45.98	16.47	
800.00	797.24	797.24	797.24	1.92	1.66	147.18	-14.10	-29.18	60.11	56.67	17.47	
900.00	896.27	896.27	896.27	2.25	1.89	153.16	-14.10	-29.18	72.23	68.32	18.50	
1000.00	995.30	995.30	995.30	2.59	2.11	157.40	-14.10	-29.18	84.90	80.53	19.45	
1100.00	1094.28	1094.28	1094.28	2.93	2.33	160.54	-14.10	-29.18	98.15	93.33	20.34	
1200.00	1192.72	1192.72	1192.72	3.32	2.55	163.33	-14.10	-29.18	114.88	109.59	21.73	
1300.00	1290.30	1290.30	1290.30	3.76	2.77	165.84	-14.10	-29.18	135.98	130.22	23.64	
1400.00	1386.83	1386.83	1386.83	4.27	2.99	167.96	-14.10	-29.18	161.42	155.20	25.94	
1500.00	1482.13	1482.13	1482.13	4.85	3.20	169.71	-14.10	-29.18	191.17	184.47	28.55	
1600.00	1576.03	1576.03	1576.03	5.50	3.41	171.14	-14.10	-29.18	225.14	217.96	31.38	
1700.00	1668.33	1668.33	1668.33	6.23	3.62	172.29	-14.10	-29.18	263.25	255.59	34.36	
1800.00	1759.12	1759.12	1759.12	7.04	3.82	173.28	-14.10	-29.18	304.88	296.70	37.30	
1900.00	1849.71	1849.71	1849.71	7.86	4.03	174.10	-14.10	-29.18	347.02	338.31	39.83	
2000.00	1940.30	1940.30	1940.30	8.70	4.23	174.74	-14.10	-29.18	389.21	379.95	42.04	
2100.00	2030.89	2030.89	2030.89	9.54	4.44	175.25	-14.10	-29.18	431.43	421.63	43.99	
2200.00	2121.47	2121.47	2121.47	10.38	4.64	175.68	-14.10	-29.18	473.68	463.32	45.72	
2300.00	2212.06	2212.06	2212.06	11.23	4.84	176.03	-14.10	-29.18	515.94	505.03	47.27	
2400.00	2302.65	2302.65	2302.65	12.09	5.05	176.33	-14.10	-29.18	558.22	546.75	48.65	
2500.00	2393.24	2393.24	2393.24	12.94	5.25	176.59	-14.10	-29.18	600.51	588.47	49.90	
2600.00	2483.82	2483.82	2483.82	13.80	5.45	176.82	-14.10	-29.18	642.81	630.21	51.02	
2700.00	2574.41	2574.41	2574.41	14.66	5.66	177.01	-14.10	-29.18	685.11	671.95	52.05	
2800.00	2665.00	2665.00	2665.00	15.52	5.86	177.19	-14.10	-29.18	727.42	713.69	52.99	
2900.00	2755.59	2755.59	2755.59	16.39	6.06	177.34	-14.10	-29.18	769.73	755.44	53.85	
3000.00	2846.17	2846.17	2846.17	17.25	6.27	177.48	-14.10	-29.18	812.05	797.19	54.64	
3100.00	2936.76	2936.76	2936.76	18.12	6.47	177.60	-14.10	-29.18	854.38	838.94	55.37	
3200.00	3027.35	3027.35	3027.35	18.98	6.68	177.72	-14.10	-29.18	896.70	880.70	56.04	
3300.00	3117.94	3117.94	3117.94	19.85	6.88	177.82	-14.10	-29.18	939.03	922.46	56.67	
3400.00	3208.52	3208.52	3208.52	20.71	7.08	177.91	-14.10	-29.18	981.36	964.22	57.25	
3500.00	3299.11	3299.11	3299.11	21.58	7.29	178.00	-14.10	-29.18	1023.69	1005.98	57.79	
3600.00	3389.70	3389.70	3389.70	22.45	7.49	178.08	-14.10	-29.18	1066.03	1047.74	58.30	
3700.00	3480.29	3480.29	3480.29	23.32	7.69	178.15	-14.10	-29.18	1108.36	1089.50	58.77	
3800.00	3570.87	3570.87	3570.87	24.19	7.90	178.22	-14.10	-29.18	1150.70	1131.27	59.22	
3900.00	3661.46	3661.46	3661.46	25.05	8.10	178.28	-14.10	-29.18	1193.04	1173.03	59.64	
4000.00	3752.05	3752.05	3752.05	25.92	8.30	178.34	-14.10	-29.18	1235.38	1214.80	60.03	
4100.00	3842.64	3842.64	3842.64	26.79	8.51	178.40	-14.10	-29.18	1277.72	1256.56	60.41	
4200.00	3933.22	3933.22	3933.22	27.66	8.71	178.45	-14.10	-29.18	1320.06	1298.33	60.76	
4300.00	4023.81	4023.81	4023.81	28.53	8.91	178.50	-14.10	-29.18	1362.40	1340.10	61.09	
4400.00	4114.40	4114.40	4114.40	29.40	9.12	178.54	-14.10	-29.18	1404.74	1381.87	61.41	
4500.00	4204.99	4204.99	4204.99	30.27	9.32	178.59	-14.10	-29.18	1447.09	1423.64	61.71	
4600.00	4296.06	4296.06	4296.06	31.05	9.53	178.64	-14.10	-29.18	1488.37	1464.34	61.94	
4700.00	4388.78	4388.78	4388.78	31.64	9.74	178.70	-14.10	-29.18	1525.78	1501.23	62.14	
4800.00	4483.05	4483.05	4483.05	32.17	9.95	178.75	-14.10	-29.18	1559.12	1534.08	62.27	
4900.00	4578.68	4578.68	4578.68	32.64	10.16	178.79	-14.10	-29.18	1588.32	1562.84	62.34	
5000.00	4675.50	4675.50	4675.50	33.05	10.38	178.82	-14.10	-29.18	1613.31	1587.44	62.36	
5100.00	4773.31	4773.31	4773.31	33.40	10.60	178.85	-14.10	-29.18	1634.06	1607.85	62.33	
5200.00	4871.94	4871.94	4871.94	33.68	10.82	178.87	-14.10	-29.18	1650.53	1624.01	62.25	

Weatherford International, Ltd.

Anticollision Report

Company: BILL BARRETT CORP **Date:** 7/23/2007 **Time:** 11:58:20 **Page:** 4
Field: CARBON COUNTY, UTAH
Reference Site: PRICKLY PEAR 4-18 PAD **Co-ordinate(NE) Reference:** Well: PRICKLY PEAR UF #6-18D-12-15
Reference Well: PRICKLY PEAR UF #6-18D-12-15 **Vertical (TVD) Reference:** SITE 7569.1
Reference Wellpath: 1 **Db:** Sybase

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #4-18-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
5300.00	4971.19	4971.19	4971.19	33.90	11.04	178.88	-14.10	-29.18	1662.68	1635.91	62.11	
5400.00	5070.88	5070.88	5070.88	34.06	11.27	178.89	-14.10	-29.18	1670.49	1643.52	61.94	
5500.00	5170.81	5170.81	5170.81	34.17	11.49	178.89	-14.10	-29.18	1673.94	1646.81	61.71	
5600.00	5270.81	5270.81	5270.81	34.23	11.72	329.74	-14.10	-29.18	1674.13	1646.70	61.05	
5700.00	5370.81	5370.81	5370.81	34.29	11.94	329.74	-14.10	-29.18	1674.13	1646.35	60.28	
5800.00	5470.81	5470.81	5470.81	34.36	12.17	329.74	-14.10	-29.18	1674.13	1646.00	59.52	
5900.00	5570.81	5570.81	5570.81	34.42	12.39	329.74	-14.10	-29.18	1674.13	1645.64	58.78	
6000.00	5670.81	5670.81	5670.81	34.48	12.62	329.74	-14.10	-29.18	1674.13	1645.28	58.05	
6100.00	5770.81	5770.81	5770.81	34.55	12.84	329.74	-14.10	-29.18	1674.13	1644.92	57.33	
6200.00	5870.81	5870.81	5870.81	34.61	13.07	329.74	-14.10	-29.18	1674.13	1644.56	56.63	
6300.00	5970.81	5970.81	5970.81	34.68	13.29	329.74	-14.10	-29.18	1674.13	1644.20	55.94	
6400.00	6070.81	6070.81	6070.81	34.75	13.52	329.74	-14.10	-29.18	1674.13	1643.83	55.27	
6500.00	6170.81	6170.81	6170.81	34.82	13.74	329.74	-14.10	-29.18	1674.13	1643.47	54.60	
6600.00	6270.81	6270.81	6270.81	34.89	13.97	329.74	-14.10	-29.18	1674.13	1643.10	53.95	
6700.00	6370.81	6370.81	6370.81	34.97	14.19	329.74	-14.10	-29.18	1674.13	1642.73	53.32	
6800.00	6470.81	6470.81	6470.81	35.04	14.41	329.74	-14.10	-29.18	1674.13	1642.35	52.69	
6900.00	6570.81	6570.81	6570.81	35.12	14.64	329.74	-14.10	-29.18	1674.13	1641.98	52.08	
7000.00	6670.81	6670.81	6670.81	35.19	14.86	329.74	-14.10	-29.18	1674.13	1641.60	51.48	
7100.00	6770.81	6770.81	6770.81	35.27	15.09	329.74	-14.10	-29.18	1674.13	1641.23	50.89	
7200.00	6870.81	6870.81	6870.81	35.35	15.31	329.74	-14.10	-29.18	1674.13	1640.85	50.31	
7300.00	6970.81	6970.81	6970.81	35.43	15.54	329.74	-14.10	-29.18	1674.13	1640.47	49.74	
7400.00	7070.81	7070.81	7070.81	35.51	15.76	329.74	-14.10	-29.18	1674.13	1640.09	49.18	
7500.00	7170.81	7170.81	7170.81	35.60	15.99	329.74	-14.10	-29.18	1674.13	1639.70	48.63	
7600.00	7270.81	7270.81	7270.81	35.68	16.21	329.74	-14.10	-29.18	1674.13	1639.32	48.10	
7700.00	7370.81	7370.81	7370.81	35.77	16.44	329.74	-14.10	-29.18	1674.13	1638.93	47.57	
7779.19	7450.00	7450.00	7450.00	35.84	16.62	329.74	-14.10	-29.18	1674.13	1638.62	47.16	

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #5-18D-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
0.00	0.00	0.00	0.00	0.00	0.00	244.95	-7.05	-15.09	16.66			No Data
100.00	100.00	100.00	100.00	0.10	0.10	244.95	-7.05	-15.09	16.66	16.47	87.19	
200.00	200.00	200.00	200.00	0.32	0.32	244.95	-7.05	-15.09	16.66	16.02	26.00	
300.00	300.00	299.85	299.85	0.55	0.55	94.30	-7.48	-15.13	16.91	15.82	15.50	
400.00	399.93	399.52	399.45	0.77	0.77	95.72	-10.93	-15.48	18.95	17.40	12.24	
500.00	499.68	499.09	498.78	1.02	1.02	97.78	-17.82	-16.16	23.04	21.00	11.32	
600.00	599.13	598.50	597.65	1.29	1.29	99.77	-28.12	-17.18	29.20	26.63	11.36	
700.00	698.21	697.95	696.18	1.60	1.59	101.36	-41.44	-18.50	37.19	34.02	11.73	
800.00	797.24	797.60	794.87	1.92	1.92	102.44	-55.24	-19.87	45.48	41.68	11.96	
900.00	896.27	897.26	893.55	2.25	2.24	103.18	-69.04	-21.23	53.77	49.32	12.09	
1000.00	995.30	996.91	992.23	2.59	2.58	103.72	-82.84	-22.60	62.07	56.97	12.16	
1100.00	1094.28	1096.23	1090.55	2.93	2.92	104.11	-96.80	-23.99	70.51	64.74	12.22	
1200.00	1192.72	1194.57	1187.40	3.32	3.29	104.39	-113.80	-25.67	80.93	74.41	12.43	
1300.00	1290.30	1292.48	1283.00	3.76	3.72	104.62	-134.81	-27.75	93.86	86.50	12.76	
1400.00	1386.83	1389.88	1377.12	4.27	4.20	104.77	-159.72	-30.22	109.28	100.96	13.14	
1500.00	1482.13	1486.69	1469.53	4.85	4.74	104.83	-188.41	-33.06	127.14	117.73	13.52	
1600.00	1576.03	1582.84	1560.02	5.50	5.34	104.82	-220.71	-36.26	147.39	136.77	13.88	
1700.00	1668.33	1678.26	1648.41	6.23	6.00	104.74	-256.48	-39.80	169.99	158.02	14.20	
1800.00	1759.12	1774.38	1736.17	7.04	6.71	104.97	-295.48	-43.67	194.50	181.06	14.47	

Weatherford International, Ltd.

Anticollision Report

Company:	BILL BARRETT CORP	Date: 7/23/2007	Time: 11:58:20	Page: 5
Field:	CARBON COUNTY, UTAH			
Reference Site:	PRICKLY PEAR 4-18 PAD	Co-ordinate(NE) Reference:	Well: PRICKLY PEAR UF #6-18D-12-15	
Reference Well:	PRICKLY PEAR UF #6-18D-12-15	Vertical (TVD) Reference:	SITE 7569.1	
Reference Wellpath: 1				Db: Sybase

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #5-18D-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
1900.00	1849.71	1871.26	1824.51	7.86	7.44	105.43	-335.06	-47.59	219.23	204.28	14.66	
2000.00	1940.30	1968.14	1912.85	8.70	8.19	105.80	-374.63	-51.50	243.98	227.50	14.80	
2100.00	2030.89	2065.01	2001.19	9.54	8.94	106.09	-414.21	-55.42	268.74	250.71	14.91	
2200.00	2121.47	2161.89	2089.53	10.38	9.69	106.34	-453.78	-59.34	293.49	273.92	14.99	
2300.00	2212.06	2258.77	2177.87	11.23	10.45	106.55	-493.36	-63.26	318.26	297.13	15.06	
2400.00	2302.65	2355.65	2266.21	12.09	11.21	106.73	-532.94	-67.18	343.03	320.33	15.12	
2500.00	2393.24	2452.53	2354.55	12.94	11.97	106.89	-572.51	-71.10	367.80	343.54	15.16	
2600.00	2483.82	2549.41	2442.89	13.80	12.73	107.03	-612.09	-75.02	392.57	366.74	15.20	
2700.00	2574.41	2646.29	2531.23	14.66	13.50	107.14	-651.66	-78.94	417.34	389.94	15.23	
2800.00	2665.00	2743.17	2619.57	15.52	14.27	107.25	-691.24	-82.86	442.12	413.14	15.25	
2900.00	2755.59	2840.05	2707.91	16.39	15.03	107.35	-730.81	-86.78	466.90	436.33	15.28	
3000.00	2846.17	2936.93	2796.25	17.25	15.80	107.43	-770.39	-90.70	491.67	459.53	15.30	
3100.00	2936.76	3033.81	2884.59	18.12	16.57	107.51	-809.97	-94.62	516.45	482.73	15.31	
3200.00	3027.35	3130.68	2972.93	18.98	17.34	107.58	-849.54	-98.54	541.23	505.92	15.33	
3300.00	3117.94	3227.56	3061.27	19.85	18.11	107.64	-889.12	-102.46	566.01	529.12	15.34	
3400.00	3208.52	3324.44	3149.61	20.71	18.88	107.70	-928.69	-106.38	590.80	552.31	15.35	
3500.00	3299.11	3421.32	3237.95	21.58	19.65	107.76	-968.27	-110.30	615.58	575.51	15.36	
3600.00	3389.70	3518.20	3326.29	22.45	20.42	107.81	-1007.84	-114.22	640.36	598.70	15.37	
3700.00	3480.29	3615.08	3414.63	23.32	21.20	107.85	-1047.42	-118.14	665.14	621.90	15.38	
3800.00	3570.87	3711.96	3502.97	24.19	21.97	107.89	-1087.00	-122.05	689.92	645.09	15.39	
3900.00	3661.46	3808.84	3591.31	25.05	22.74	107.93	-1126.57	-125.97	714.71	668.28	15.40	
4000.00	3752.05	3905.72	3679.65	25.92	23.51	107.97	-1166.15	-129.89	739.49	691.48	15.40	
4100.00	3842.64	4002.60	3767.99	26.79	24.29	108.01	-1205.72	-133.81	764.28	714.67	15.41	
4200.00	3933.22	4099.48	3856.33	27.66	25.06	108.04	-1245.30	-137.73	789.06	737.86	15.41	
4300.00	4023.81	4202.92	3951.19	28.53	25.78	108.17	-1286.33	-141.80	813.55	760.82	15.43	
4400.00	4114.40	4308.81	4050.07	29.40	26.31	108.61	-1324.01	-145.53	837.05	782.98	15.48	
4500.00	4204.99	4414.47	4150.37	30.27	26.80	109.35	-1357.04	-148.80	859.60	804.26	15.53	
4600.00	4296.06	4519.72	4251.70	31.05	27.23	110.65	-1385.33	-151.60	880.95	824.56	15.62	
4700.00	4388.78	4625.01	4354.26	31.64	27.60	112.02	-1408.97	-153.94	900.13	842.96	15.74	
4800.00	4483.05	4730.25	4457.77	32.17	27.92	113.32	-1427.90	-155.82	917.05	859.23	15.86	
4900.00	4578.68	4835.35	4561.89	32.64	28.17	114.55	-1442.05	-157.22	931.68	873.33	15.97	
5000.00	4675.50	4940.18	4666.28	33.05	28.36	115.73	-1451.43	-158.15	943.99	885.24	16.07	
5100.00	4773.31	5044.63	4770.63	33.40	28.48	116.86	-1456.03	-158.60	953.97	894.96	16.17	
5200.00	4871.94	5145.95	4871.94	33.68	28.57	117.89	-1456.56	-158.66	961.69	902.37	16.21	
5300.00	4971.19	5245.20	4971.19	33.90	28.66	118.65	-1456.56	-158.66	967.48	908.03	16.28	
5400.00	5070.88	5344.89	5070.88	34.06	28.74	119.14	-1456.56	-158.66	971.26	911.70	16.31	
5500.00	5170.81	5444.82	5170.81	34.17	28.83	119.35	-1456.56	-158.66	972.95	913.27	16.30	
5600.00	5270.81	5544.82	5270.81	34.23	28.93	270.21	-1456.56	-158.66	973.04	913.21	16.26	
5700.00	5370.81	5644.82	5370.81	34.29	29.02	270.21	-1456.56	-158.66	973.04	913.05	16.22	
5800.00	5470.81	5744.82	5470.81	34.36	29.11	270.21	-1456.56	-158.66	973.04	912.89	16.18	
5900.00	5570.81	5844.82	5570.81	34.42	29.21	270.21	-1456.56	-158.66	973.04	912.73	16.13	
6000.00	5670.81	5944.82	5670.81	34.48	29.31	270.21	-1456.56	-158.66	973.04	912.57	16.09	
6100.00	5770.81	6044.82	5770.81	34.55	29.41	270.21	-1456.56	-158.66	973.04	912.40	16.05	
6200.00	5870.81	6144.82	5870.81	34.61	29.51	270.21	-1456.56	-158.66	973.04	912.23	16.00	
6300.00	5970.81	6244.82	5970.81	34.68	29.61	270.21	-1456.56	-158.66	973.04	912.05	15.95	
6400.00	6070.81	6344.82	6070.81	34.75	29.71	270.21	-1456.56	-158.66	973.04	911.88	15.91	
6500.00	6170.81	6444.82	6170.81	34.82	29.81	270.21	-1456.56	-158.66	973.04	911.70	15.86	
6600.00	6270.81	6544.82	6270.81	34.89	29.92	270.21	-1456.56	-158.66	973.04	911.51	15.82	
6700.00	6370.81	6644.82	6370.81	34.97	30.03	270.21	-1456.56	-158.66	973.04	911.33	15.77	
6800.00	6470.81	6744.82	6470.81	35.04	30.13	270.21	-1456.56	-158.66	973.04	911.14	15.72	
6900.00	6570.81	6844.82	6570.81	35.12	30.24	270.21	-1456.56	-158.66	973.04	910.95	15.67	

Weatherford International, Ltd.

Anticollision Report

Company:	BILL BARRETT CORP	Date:	7/23/2007	Time:	11:58:20	Page:	6
Field:	CARBON COUNTY, UTAH	Co-ordinate(NE) Reference:	Well: PRICKLY PEAR UF #6-18D-12-15	Vertical (TVD) Reference:	SITE 7569.1	Db:	Sybase
Reference Site:	PRICKLY PEAR 4-18 PAD						
Reference Well:	PRICKLY PEAR UF #6-18D-12-15						
Reference Wellpath:	1						

Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #5-18D-12-15
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
7000.00	6670.81	6944.82	6670.81	35.19	30.35	270.21	-1456.56	-158.66	973.04	910.76	15.62	
7100.00	6770.81	7044.82	6770.81	35.27	30.47	270.21	-1456.56	-158.66	973.04	910.56	15.57	
7200.00	6870.81	7144.82	6870.81	35.35	30.58	270.21	-1456.56	-158.66	973.04	910.37	15.53	
7300.00	6970.81	7244.82	6970.81	35.43	30.69	270.21	-1456.56	-158.66	973.04	910.17	15.48	
7400.00	7070.81	7344.82	7070.81	35.51	30.81	270.21	-1456.56	-158.66	973.04	909.96	15.43	
7500.00	7170.81	7444.82	7170.81	35.60	30.93	270.21	-1456.56	-158.66	973.04	909.76	15.38	
7600.00	7270.81	7544.82	7270.81	35.68	31.04	270.21	-1456.56	-158.66	973.04	909.55	15.33	
7700.00	7370.81	7644.82	7370.81	35.77	31.16	270.21	-1456.56	-158.66	973.04	909.34	15.27	
7779.19	7450.00	7704.01	7430.00	35.84	31.23	270.21	-1456.56	-158.66	973.25	909.40	15.24	

BILL BARRETT CORPORATION
PRICKLY PEAR UNIT FEDERAL #4-18-12-15,
#5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
LOCATED IN CARBON COUNTY, UTAH
SECTION 18, T12S, R15E, S.L.B.&M.

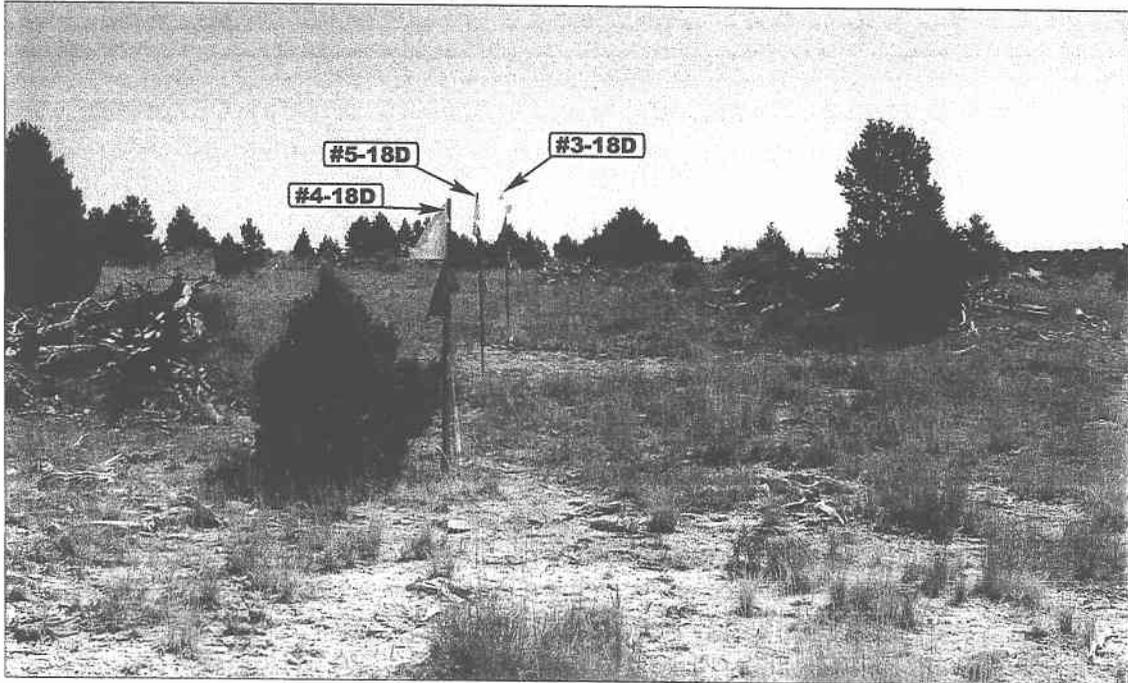


PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

07	16	07
MONTH	DAY	YEAR

PHOTO

TAKEN BY: D.R.

DRAWN BY: C.P.

REVISED: 07-18-07

BILL BARRETT CORPORATION

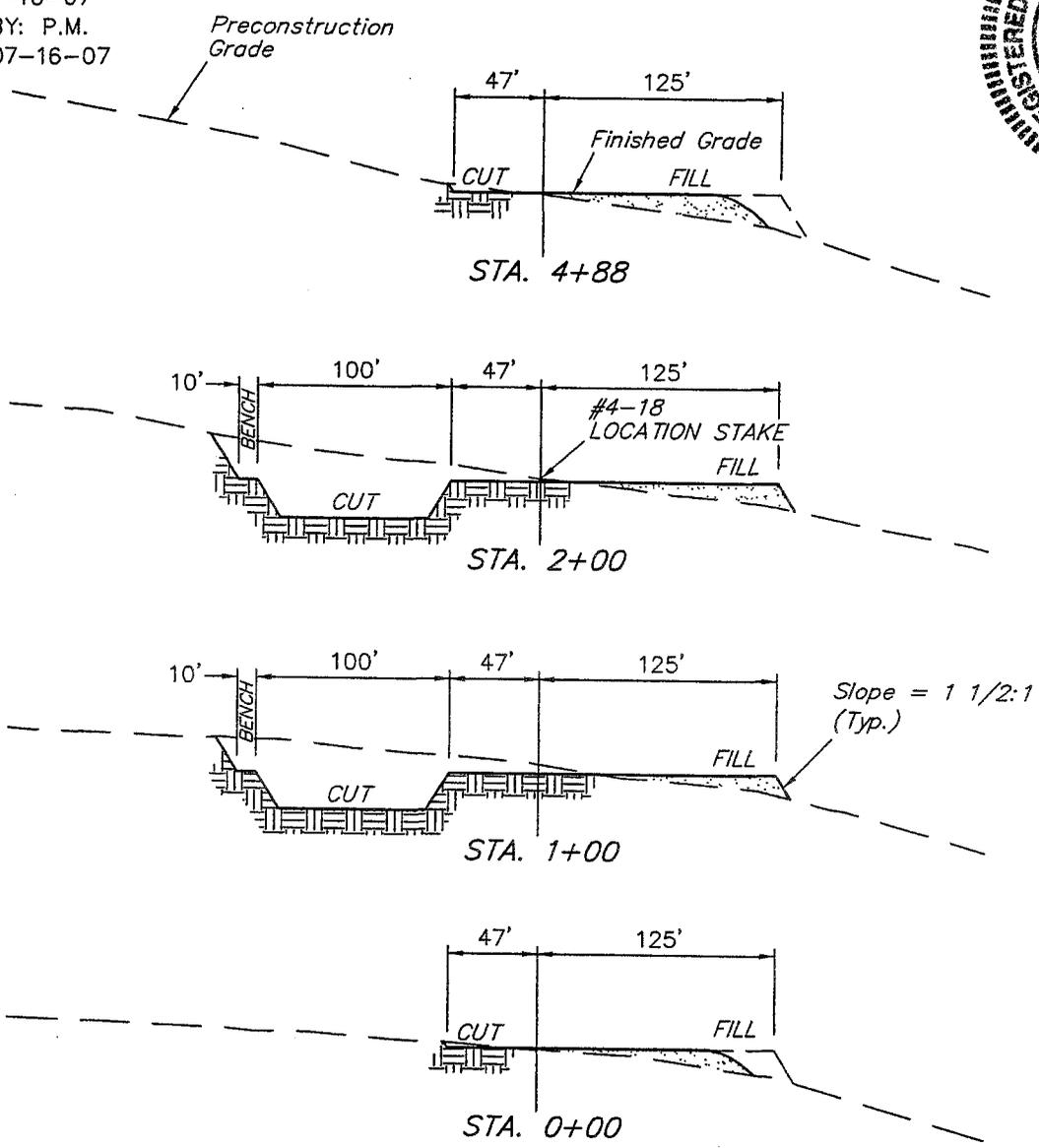
TYPICAL CROSS SECTIONS FOR

PRICKLY PEAR UNIT FEDERAL #4-18-12-15,
#5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
SECTION 18, T12S, R15E, S.L.B.&M.
LOT 1

FIGURE #2

X-Section
Scale
1" = 40'
1" = 100'

DATE: 07-10-07
DRAWN BY: P.M.
REVISED: 07-16-07



APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ±3.503 ACRES
ACCESS ROAD DISTURBANCE = ±0.433 ACRES
PIPELINE DISTURBANCE = ±0.261 ACRES
TOTAL = ±4.197 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

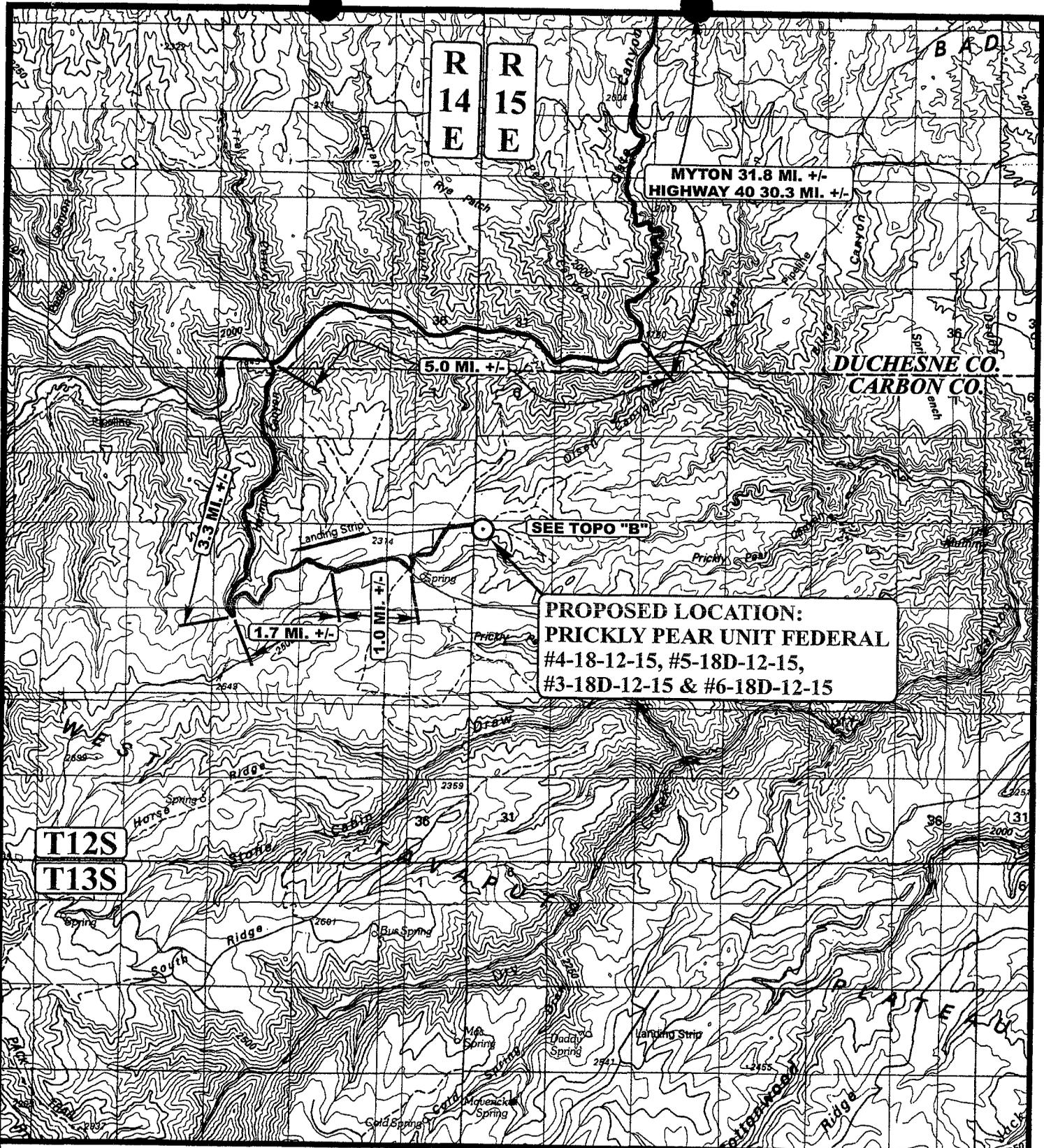
NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,400 Cu. Yds.
Remaining Location = 13,460 Cu. Yds.
TOTAL CUT = 15,860 CU.YDS.
FILL = 6,470 CU.YDS.

EXCESS MATERIAL = 9,390 Cu. Yds.
Topsoil & Pit Backfill = 4,860 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 4,530 Cu. Yds.
(After Interim Rehabilitation)

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



LEGEND:

○ PROPOSED LOCATION

N



BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL
 #4-18-12-15, #5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
 SECTION 18, T12S, R15E, S.L.B.&M
 LOT 1



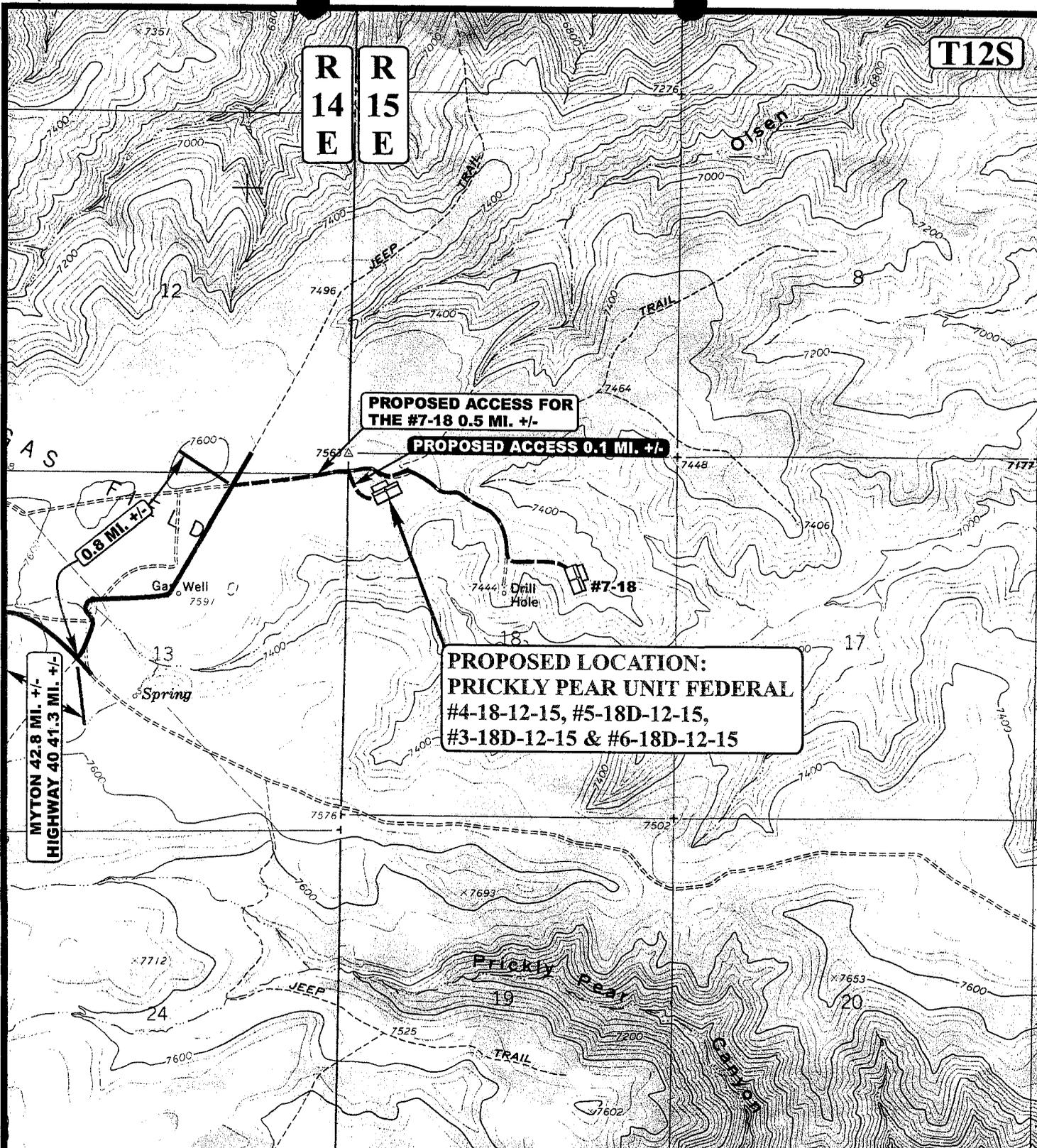
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP
 07 16 07
 MONTH DAY YEAR
 SCALE: 1:100,000 | DRAWN BY: C.P. | REVISED: 07-18-07



T12S

R
14
E
R
15
E



PROPOSED ACCESS FOR
THE #7-18 0.5 MI. +/-

PROPOSED ACCESS 0.1 MI. +/-

0.8 MI. +/-

MYTON 42.8 MI. +/-
HIGHWAY 40 41.3 MI. +/-

PROPOSED LOCATION:
PRICKLY PEAR UNIT FEDERAL
#4-18-12-15, #5-18D-12-15,
#3-18D-12-15 & #6-18D-12-15

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL
#4-18-12-15, #5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
SECTION 18, T12S, R15E, S.L.B.&M
LOT 1



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

TOPOGRAPHIC MAP
07 16 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 07-18-07

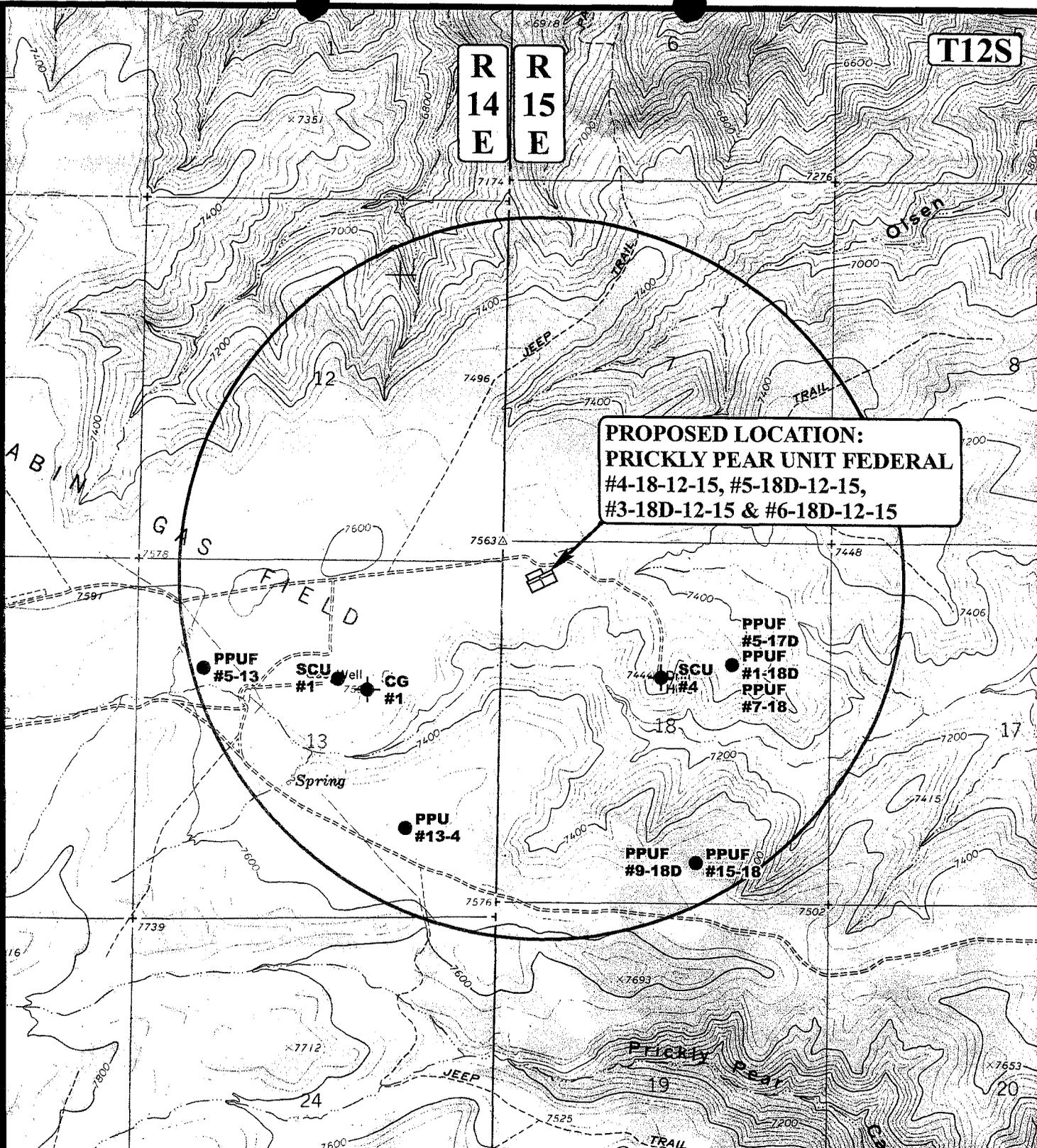


R
14
E

R
15
E

T12S

**PROPOSED LOCATION:
PRICKLY PEAR UNIT FEDERAL
#4-18-12-15, #5-18D-12-15,
#3-18D-12-15 & #6-18D-12-15**



LEGEND:

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

BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL
#4-18-12-15, #5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
SECTION 18, T12S, R15E, S.L.B.&M
LOT 1



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
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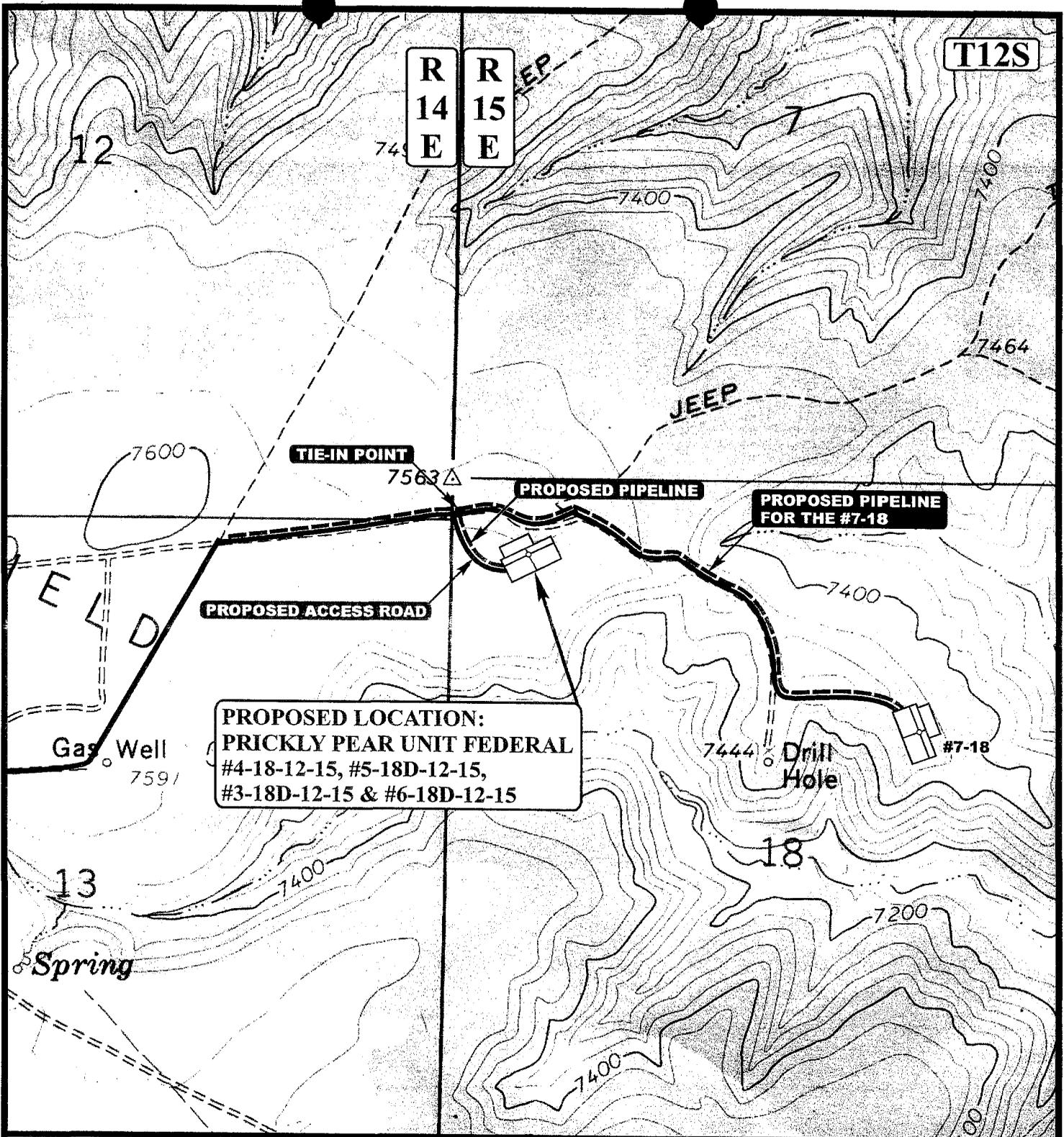


**TOPOGRAPHIC
MAP**

07 16 07
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 07-18-07





PROPOSED LOCATION:
PRICKLY PEAR UNIT FEDERAL
 #4-18-12-15, #5-18D-12-15,
 #3-18D-12-15 & #6-18D-12-15

APPROXIMATE TOTAL PIPELINE DISTANCE = 569' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)



BILL BARRETT CORPORATION

PRICKLY PEAR UNIT FEDERAL
 #4-18-12-15, #5-18D-12-15, #3-18D-12-15 & #6-18D-12-15
 SECTION 18, T12S, R15E, S.L.B.&M
 LOT 1



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

TOPOGRAPHIC MAP
 07 16 07
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 07-18-07



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/26/2007

API NO. ASSIGNED: 43-007-31317

WELL NAME: PPU FED 6-18D-12-15
 OPERATOR: BILL BARRETT CORP (N2165)
 CONTACT: TRACEY FALLANG

PHONE NUMBER: 303-312-8134

PROPOSED LOCATION:

SEW

NWNW 18 120S 150E
 SURFACE: 0533 FNL 0586 FWL
 BOTTOM: 1982 FNL 1448 FWL
 COUNTY: CARBON
 LATITUDE: 39.77953 LONGITUDE: -110.2842
 UTM SURF EASTINGS: 561300 NORTHINGS: 4403323
 FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-73668
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: PRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000040)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 90-1846)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

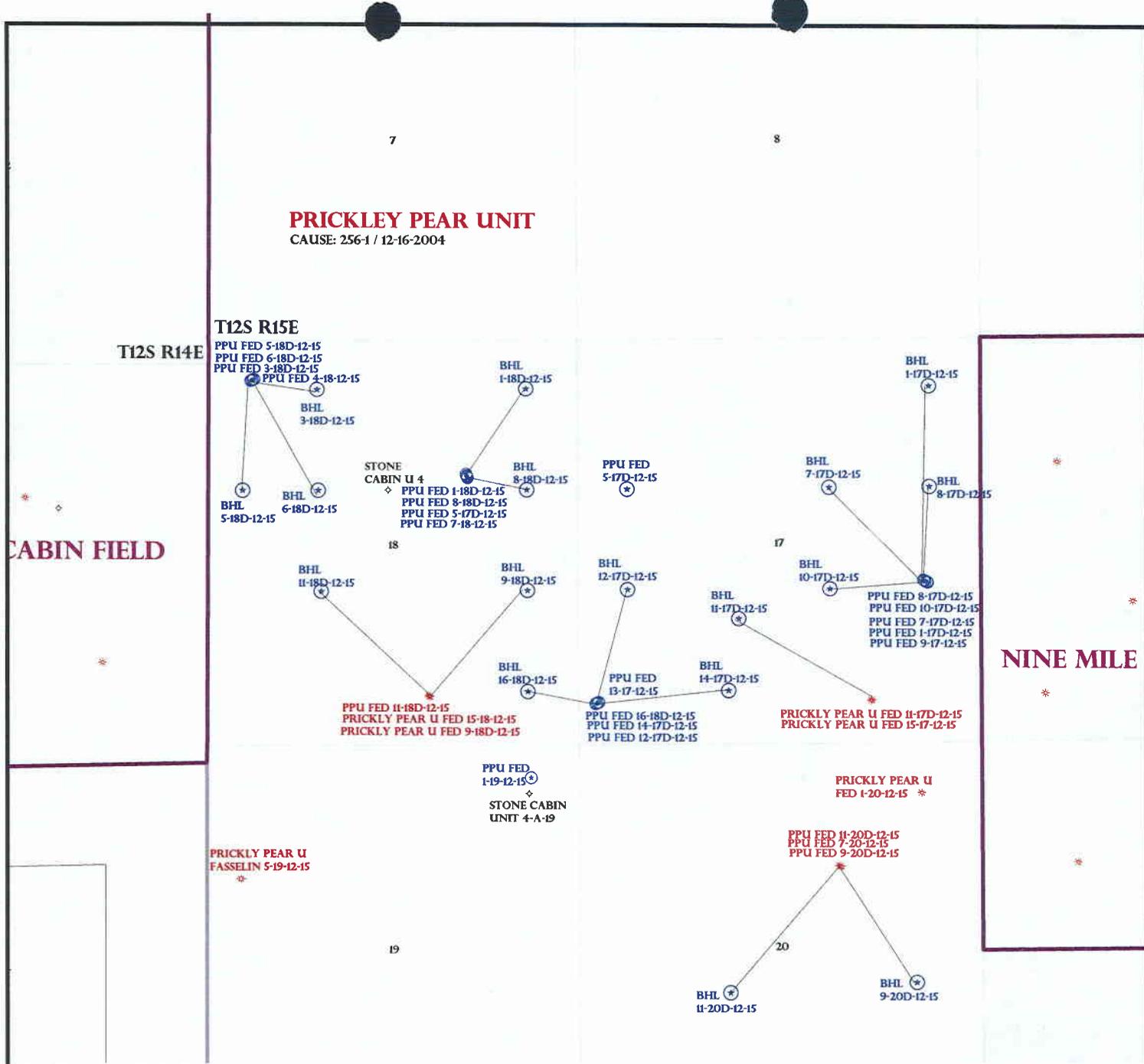
- R649-2-3.
- Unit: PRICKLY PEAR
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 256-1
Eff Date: 12-16-2004
Siting: 460' for u/b dz & uncomm. Tract
- R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1- Federal Approval

PRICKLEY PEAR UNIT

CAUSE: 256-1 / 12-16-2004



OPERATOR: BILL BARRETT CORP (N2165)

SEC: 17,18 T.12S R. 15E

FIELD: UNDESIGNATED (002)

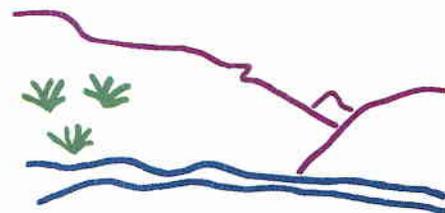
COUNTY: CARBON

CAUSE: 256-1 / 12-16-2004

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

Unit Status	
	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PENDING
	PI OIL
	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

Wells Status	
	GAS INJECTION
	GAS STORAGE
	LOCATION ABANDONED
	NEW LOCATION
	PLUGGED & ABANDONED
	PRODUCING GAS
	PRODUCING OIL
	SHUT-IN GAS
	SHUT-IN OIL
	TEMP. ABANDONED
	TEST WELL
	WATER INJECTION
	WATER SUPPLY
	WATER DISPOSAL
	DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 2-AUGUST-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 2, 2007

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 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 2006 within the Prickly Pear Unit, Carbon County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Price River)		
43-007-31307	PPU Fed 10-17D-12-15	Sec 17 T12S R15E 2081 FSL 0729 FEL BHL Sec 17 T12S R15E 1980 FSL 1968 FEL
43-007-31308	PPU Fed 08-17D-12-15	Sec 17 T12S R15E 2065 FSL 0701 FEL BHL Sec 17 T12S R15E 1981 FNL 0658 FEL
43-007-31309	PPU Fed 12-17D-12-15	Sec 17 T12S R15E 0511 FSL 0255 FWL BHL Sec 17 T12S R15E 1986 FSL 0656 FWL
43-007-31310	PPU Fed 13-17-12-15	Sec 17 T12S R15E 0505 FSL 0240 FWL
43-007-31311	PPU Fed 14-17D-12-15	Sec 17 T12S R15E 0518 FSL 0269 FWL BHL Sec 17 T12S R15E 0661 FSL 1963 FWL
43-007-31312	PPU Fed 16-18D-12-15	Sec 17 T12S R15E 0498 FSL 0226 FWL BHL Sec 18 T12S R15E 0662 FSL 0661 FEL
43-007-31313	PPU Fed 08-18D-12-15	Sec 18 T12S R15E 1822 FNL 1430 FEL BHL Sec 18 T12S R15E 1980 FNL 0660 FEL

43-007-31314 PPU Fed 03-18D-12-15 Sec 18 T12S R15E 0526 FNL 0600 FWL
BHL Sec 18 T12S R15E 0661 FNL 1426 FWL

43-007-31315 PPU Fed 04-18-12-15 Sec 18 T12S R15E 0547 FNL 0557 FWL

43-007-31316 PPU Fed 05-18D-12-15 Sec 18 T12S R15E 0540 FNL 0571 FWL
BHL Sec 18 T12S R15E 1982 FNL 0460 FWL

43-007-31317 PPU Fed 06-18D-12-15 Sec 18 T12S R15E 0533 FNL 0586 FWL
BHL Sec 18 T12S R15E 1982 FNL 1448 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:8-2-07



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

August 2, 2007

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

Re: Prickly Pear Unit Federal 6-18D-12-15 Well, Surface Location 533' FNL, 586' FWL, NW NW, Sec. 18, T. 12 South, R. 15 East, Bottom Location 1982' FNL, 1448' FWL, SE NW, Sec. 18, 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 43-007-31317.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Carbon County Assessor
Bureau of Land Management, Moab Office



Operator: Bill Barrett Corporation
Well Name & Number Prickly Pear Unit Federal 6-18D-12-15
API Number: 43-007-31317
Lease: UTU-73668

Surface Location: NW NW **Sec.** 18 **T.** 12 South **R.** 15 East
Bottom Location: SE NW **Sec.** 18 **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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (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. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. 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.

RECEIVED
MOAB FIELD OFFICE

Form 3160-3
2007 2004
OCT 27 AM 10:09

**BBC
CONFIDENTIAL**

COPY

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-73668
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name n/a
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. Prickly Pear Unit/UTU-079487
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202		8. Lease Name and Well No. Prickly Pear Unit Fed 6-18D-12-15
3b. Phone No. (include area code) (303) 312-8134		9. API Well No. pending 4300731317
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWNW, Lot 1, 533' FNL, 586' FWL At proposed prod. zone SENW, 1982' FNL, 1448' FWL, SEC. 18		10. Field and Pool, or Exploratory Nine Mile/Wasatch-Mesaverde
14. Distance in miles and direction from nearest town or post office* approximately 45 miles from Myton, Utah		11. Sec, T R. M. or Blk. and Survey or Area Sec. 18, T12S-R15E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 533' SH/1448' BH	16. No. of acres in lease 899.77	17. Spacing Unit dedicated to this well 40 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 16' SH/857' BH	19. Proposed Depth 8000'	20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7556' ungraded ground	22. Approximate date work will start* 10/01/2007	23. Estimated duration 45 days

24. Attachments

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

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

25. Signature <i>Tracey Fallang</i>	Name (Printed/Typed) Tracey Fallang	Date 10/25/07
Title Environmental/Regulatory Analyst		
Approved by (Signature) /s/ A. Lynn Jackson	Name (Printed/Typed) /s/ A. Lynn Jackson	Date 10/16/07
Title Assistant Field Manager, Division of Resources		
Office Division of Resources Moab Field Office		

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

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

*(Instructions on page 2)

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

OCT 22 2007

DIV. OF OIL, GAS & MINING

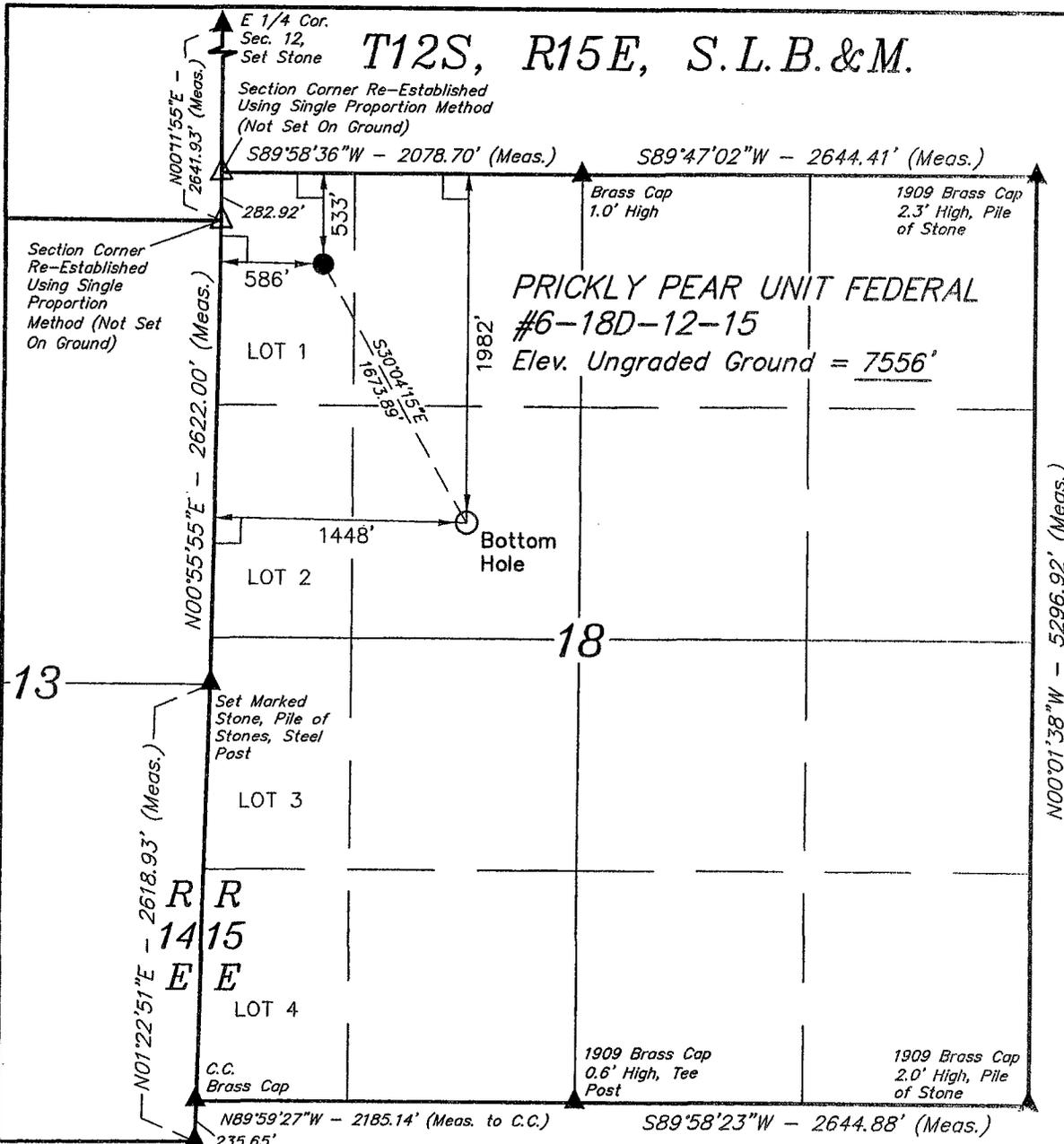
T12S, R15E, S.L.B.&M.

BILL BARRETT CORPORATION

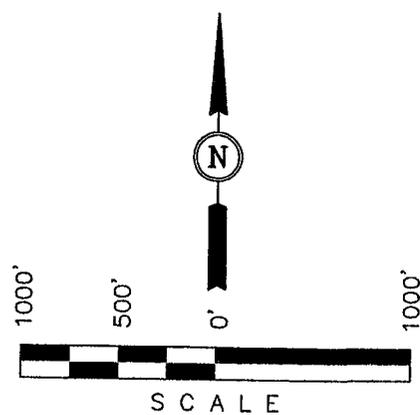
Well location, PRICKLY PEAR UNIT FEDERAL #6-18D-12-15, located as shown in LOT 1 of Section 18, T12S, R15E, S.L.B.&M., Carbon County, Utah.

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, CARBON COUNTY, QUADRANGLE, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.



N00°01'38\"W - 5296.92' (Meas.)



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REALT WAS PROPOSED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND 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.



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

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

(NAD 83)
 LATITUDE = 39°46'46.13" (39.779481)
 LONGITUDE = 110°17'05.17" (110.284769)
 (NAD 27)
 LATITUDE = 39°46'46.26" (39.779517)
 LONGITUDE = 110°17'02.61" (110.284058)

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

SCALE 1" = 1000'	DATE SURVEYED: 07-06-07	DATE DRAWN: 07-16-07
PARTY D.R. K.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

Bill Barrett Corporation
Prickly Pear Unit Federal 6-18D-12-15
Prickly Pear Unit
Lease, Surface: UTU-73668
Bottom-hole: UTU-73688
Location, Surface: NW/NW (Lot 1) Sec. 18, T12S, R15E
Bottom-hole: SE/NW Sec. 18
(Co-located APDs: Prickly Pear Unit Federal **4-18, 3-18D, 5-18D** and **6-18D**)
Carbon County, Utah

A COMPLETE COPY OF THIS APPROVED PERMIT and Conditions of Approval shall be maintained on location during all construction and drilling operations, and shall be available to contractors to ensure compliance.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Bill Barrett Corporation is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by **WYB000040** (Principal – Bill Barrett Corporation) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of two years from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Failure to comply with the provisions of this permit, including applicable regulations, stipulations, and/or approval conditions, will be considered a violation subject to the enforcement provisions of 43 CFR Subpart 3163.

A. DRILLING PROGRAM

1. The proposed 3M BOP system is adequate for anticipated conditions. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
2. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGGM) is required before conducting any surface disturbing activities.
3. The proposal included a provision for using minor amounts of diesel in the drilling fluid system. Diesel may be added to the system only after cementing the surface casing into place.
4. The proposal included options for using one of three different grades of production casing. Any of the three options may be used.
5. The production casing shall be cemented into place such that the top-of-cement extends a minimum of 100 feet into the surface casing, leaving no annular space exposed to open-hole. This shall be verified by a cement bond log (CBL) or other appropriate tool for determining top-of-cement, unless cement is circulated to surface.
6. If logging reveals that the cementing objectives were not met, remedial cementing will be required.
7. Locally, the Green River Formation is known to contain oil, gas, oil shale and tar sand deposits. However, the lateral occurrence, distribution and grade of the oil shale and tar sand deposits are not well defined. The operator shall pay particular attention to this section, and shall attempt to identify and describe any of these resources that may be penetrated. Any information obtained on these resources shall be included as part of the Well Completion Report.
8. The use of a flow conditioner in lieu of straightening vanes in the gas meter run cannot be approved with the information provided. This proposal is not consistent with the provisions of Onshore Oil & Gas Order No. 5, and as such, can only be considered for approval as a "variance" from Order No. 5. A written request for variance would identify the Order No. 5 requirement(s) from which the variance is being requested, and it would include supporting justification as to how the alternate method of measurement would meet or exceed the minimum standards established in Order No. 5. A variance request for the use of a flow conditioner would also include the make, model, dimensions, and description of use for the specific flow conditioner being proposed.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Price Field Office
Price, Utah

SURFACE USE
CONDITIONS OF APPROVAL

Project Name: Prickly Pear Unit Winter Drilling Locations

Operator: Bill Barrett Corporation

I Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA, Carbon County, Utah with Special Mitigation Measures Section 2.4 Alternative C.

Under this alternative, the project would be implemented as described in the Proposed Action, including adherence to *The Gold Book* standards, except special mitigation measures developed by BLM in coordination with UDWR would be applied as conditions of approval to address issues related to winter activities. The following measures would be applied to mitigate affects to the high country watershed and wildlife:

The special mitigation measures included in Alternative C of the current action will be added to the previously developed conditions of approval to mitigate affects to the high country watershed and wildlife. This decision is contingent on meeting all of the special mitigation measures listed below:

- To prevent erosion, snow must be removed within 48-hours of cessation of each winter storm producing greater than 4-inches of snowfall; snow removal would occur only on those roads necessary to access wells and production facilities.
- On well pads where winter drilling is occurring, snow must be removed within 48-hours of cessation of each winter storm producing greater than 4-inches of snowfall; snow removal would occur on the portions of the pad where access with snow removal equipment is feasible. Snow would be stockpiled in a retention structure per *The Gold Book* standards.
- To reduce erosion and soil loss during heavy rain events and snow melt, drainage on or around the well pads would be designed to reduce erosion and sedimentation. Storm water would be diverted away from the well locations with ditches, berms, or waterbars above the cut slopes. Rain water or snow melt collected on the well pads

would be contained and drained into the reserve pit or directed into a water retention ponds to ensure no sediment leaves the pad.

- The following travel restrictions would be adhered to by all types of vehicles from November 1, 2007, to May 15, 2008, to minimize disturbances during periods of major animal movement (6:00-8:00 AM and 5:00-7:00 PM or 6:00-8:00 AM and 6:00-8:00 PM during daylight savings time). These restrictions would be contingent on the presence of elk and deer in the areas.

- Contractors and vendors for non-critical rig visits would not travel during these periods.

- Rig shift changes would be adjusted to not coincide with these periods.

- Routine delivery of drilling supplies would not occur during these periods.

These restrictions would not apply to vehicles directly involved in casing, cementing and/or emergency operations necessary to maintain viable hole conditions.

- Monitoring would be required to ensure compliance with restricted travel times and routes from November 1, 2007, to May 15, 2008. The proponent would contract with a third party monitor to assess compliance with these restrictions. Monitoring would occur at least twice weekly at random intervals and a compliance report would be submitted to the Price Field Office on a weekly basis. *Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA 2-18.*

- If snow depths equal 16-inches or greater, edges of plowed roads would be opened at intervals of approximately 0.25 mi to create wildlife exit points and crossing areas when snow walls develop. Exits would be opened to approximately 15 ft, down to the top of vegetation, and would remain within the ROW.

- Access roads must meet The Gold Book standards, where practicable, prior to the winter closure to ensure ruts would not be created during winter use.

- All pipelines associated with wells would be buried within the 50-ft pipeline ROW. BBC could request a waiver if surface conditions are such that blasting would be required to bury the pipeline.

- Trucks used for moving rigs would be kept on top of each applicable mesa until the rig has been fully moved.

- As feasible, all supplies, including casing, would be stockpiled on top of each applicable mesa prior to the winter closure.

- Traffic accessing the project area for development of the proposed project would use one of two routes, depending upon their destination (see Figure 2.1 *Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA*) for the period from November 1, 2007, through May 15, 2008.

- For the two pad locations proposed in section 17, traffic from Harmon Canyon would follow the existing road through the SE1/4 of section 15 where it would turn right (northeast) on another existing road, and proceed to the SW1/4 NW1/4 of section 13 where it would turn right (southeast) on the existing road and proceed to the section 17 locations.

- For the two pad locations proposed in section 18, traffic from Harmon Canyon would follow the existing road through the SE1/4 and then the NE1/4 of section 15, and then along the Interplanetary Airstrip in the N1/2 of section 14 and into the NW1/4 NW1/4 of section 13, where it would follow an existing road in the N1/2 of section 13 and proceed to the section 18 locations. *Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA 2-18.*

- Other roads previously used would be blocked or signed to prevent use by project-related traffic. BBC and their contractors would be notified that use of any but the designated roads would not be allowed.

Mitigation for impacts from the interconnect pipeline would include the following actions.

- The pipeline right-of-way (ROW) would be cleared with a brush hog rather than being scalped with a dozer so as to encourage faster regeneration of vegetation.

- The existing two-track within the proposed pipeline ROW would be used as the alignment for burial of the pipeline to the extent possible, such that reclamation of the pipeline would inevitably reclaim the two-track. Where the pipeline disturbance deviates from the two-track, it would be reclaimed.

- Reclamation of the pipeline and two-track ROW, as well as other disturbance associated with pipeline construction, would be accomplished using the seed mix identified in Appendix C, Table A of the West Tavaputs Drilling EA (BLM 2004). In addition, sagebrush tubelings with plant protectors would be planted at a density of 200 tubelings per acre.

- BBC would remove the existing fence along the pipeline ROW and erect a new fence to the east at the location identified on Figure 2.7 (*Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA*) so as to minimize impediments to greater sage-grouse movements in winter habitat. In addition, as a general measure to compensate for potential effects of winter activities on greater sagegrouse and removal of vegetation along the interconnect pipeline route, BBC would lop and remove pinyon/juniper vegetation on a 10-acre area in the SW1/4 of section 14, T12S, R14E, as identified on Figure 2.8 (*Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA*).

II Site Specific Conditions of Approval

1. A pre-construction field meeting may be conducted prior to beginning any dirt work approved under this APD. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved APD(s), project map and BLM Conditions of Approval pertinent to the work that each will be doing.
2. The following appendices are attached for your reference. They are to be followed as conditions of approval:
 - Applicant-committed environmental protection measures for the West Tavaputs Plateau Drilling Program (UT-070-2004-28) see attached Appendix B.
 - Applicant Committed Mitigation Measures Bill Barrett Corporation 2007-2008 Prickly Pear Unit Winter Drilling EA (UT-070-07-053)
 - Interim reclamation Plan Prickly Pear Federal 13-17-12-15
 - TMC1, Browse Hand Planting Tubeling Mixtures.
3. The area that encompasses the well location and road is environmentally sensitive including fragile soils and vegetation. The operator may be required to perform special measures such as mulching, erosion fencing, use of erosion fabric, etc. per the direction of the BLM Authorized Officer to stabilize any disturbed areas and ensure the reestablishment of long-term perennial vegetation.
4. The operator will be responsible for performing any remediation and/or necessary road upgrading (e.g. elevating, surfacing, culverts, low-water crossings, water-wings, surfacing, etc.) as directed by the BLM Authorized Officer, resulting from untimely access.
5. All equipment and personnel used during drilling and construction activities will be restricted to only approve access roads.
6. If the well is productive and after completion operations, the road will be upgraded to a **Resource Road** status in accordance with the *Surface Operating Standards for Oil & Gas Exploration and Development*. Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

7. All permanent above-ground structures (e.g., production equipment, tanks, etc.) not subject to safety requirements will be painted to blend with the natural color of the landscape. The paint used will be a color which simulates "Standard Environmental Colors." The color selected for the wells is Olive Black, 5WA20-6. All facilities will be painted the designated color at the time of installation.
8. All trees salvaged from the construction of the well pad will be clearly segregated from the spoil material, to prevent burying of trees in the spoil material.
9. No salvaged trees will be pushed up against live trees or buried in the spoil material.
10. All areas not needed for production of the well will be reclaimed within 90 days of completion if weather conditions are favorable, unless the BLM Authorized Officer gives an extension.
11. Reserve pits will be closed as soon as possible, but no later than 90 days from time of drilling/well completion, unless the BLM Authorized Officer gives an extension. Squeezing of pit fluids and cuttings is prohibited. Pits must be dry of fluids or they must be removed via vac-truck or other environmentally acceptable method prior to backfilling, re-contouring and replacement of topsoil. Mud and cuttings left in pit must be buried at least 3-feet below re-contoured grade. The operator will be responsible for re-contouring any subsidence areas that develop from closing a pit before it is sufficiently dry. **The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to the filling and reclamation of pits and the start of any reclamation such as recontouring and reseeding.**
12. The operator will drill seed on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed, preventing soil and seed losses. To maintain quality and purity, the current years tested, certified seed with a minimum germination rate of 80% and a minimum purity of 90% will be used. Seeding shall be done after frost has left the ground and prior to May 15.
13. Please contact Don Stephens, Natural Resource Specialist, (435) 636-3608, Bureau of Land Management, Price Field Office, if there are any questions concerning these surface use COAs.
14. A Paleontologist acceptable to the BLM will monitor during surface disturbing activities. If paleontologic resources are uncovered during surface disturbing activities, the paleontologist shall immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan. A paleontologist need not be present for road and pad construction for the Prickly Pear 9-17-12-15 and for road construction for the Prickly Pear 13-17-12-15.
15. The pipeline(s) shall be buried.

16. During the activities of road maintenance, new road construction or the construction of well pads, if any standing live or dead trees are damaged, cut down or knocked over by grading or construction equipment, actions would be taken to remove excessive vegetation from the road or pad edge. These materials would either be chipped on site and dispersed along the road or pad edge or hauled to BLM approved locations and piled for disposal in a manner that would not present a fuel hazard. Piles must be located in openings so that no pile would be within 30 feet of standing live trees. The piled vegetation must also be located adjacent to and accessible by road.
17. An impermeable liner shall be used in the containment area of all permanent condensate and water tanks.
18. Low profile tanks shall be used on this location.
19. Gas shall be measured on the well pad unless the BLM Authorized Officer authorizes another location.
20. The Mexican Spotted Owl Conservation Measures to avoid impacts:
 - a. Employ best available technology on production wells and compression equipment within .5 miles of canyon habitat model.
 - b. Upon discovery of individuals or sightings of this species, halt construction/drilling activities and notify authorized official.
21. BBC shall participate in a wildlife enhancement project to improve habitat for mule deer and elk. A project to be determined with BLM, Utah Division of Wildlife Resources and BBC.

III Standard Conditions of Approval

A. General

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

- whether the materials appear eligible for the National Register of Historic Places;
 - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
 - a time-frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction measures.
2. The operator shall restrict travel on unimproved roads during periods of inclement weather or spring thaw when the possibility exists for excessive surface resource damage (c.g., rutting in excess of 4-inches, travel outside roadway, etc.).
 3. The Companies will provide georeferenced spatial data depicting as-built locations of all facilities, wells, roads, pipelines, power lines, and other related facilities to the BLM by November 1 of each year until completion of project construction activities has occurred.
 4. If any dead or injured threatened, endangered, proposed, or candidate species is located during construction or operation, the BLM Price Field Office (435-636-3600) shall be notified within 24 hours.
 5. The Company will conduct clearance surveys for threatened, endangered or other special-concern species at the optimum time. This will require coordination with the BLM before November 1 annually to review the potential for disturbance and to agree on inventory parameters.

B. Construction

1. The operator will limit vegetation removal and the degree of surface disturbance wherever possible. Where surface disturbance cannot be avoided, all practicable measures will be utilized to minimize erosion and stabilize disturbed soils.
2. Construction and drilling activity will not be conducted using frozen or saturated soil material during periods when watershed damage or excessive rutting is likely to occur.
3. Remove all available topsoil from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material. Any topsoil stockpiled for one year or longer will be signed and stabilized with annual ryegrass or other suitable cover crop.

4. The operator will not push soil material and overburden over side slopes or into drainages. All soil material disturbed will be placed in an area where it can be retrieved without creating additional undue surface disturbance and where it does not impede watershed and drainage flows.
5. Construct the backslope no steeper than 1½:1, and construct the foreslope no steeper than 2:1, unless otherwise directed by the BLM Authorized Officer.
6. Maintain a minimum 20-foot undisturbed vegetative border between toe-of-fill of pad and/or pit areas and the edge of adjacent drainages, unless otherwise directed by the BLM Authorized Officer.
7. With the overall objective of minimizing surface disturbance and retaining land stability and productivity, the operator shall utilize equipment that is appropriate to the scope and scale of work being done for roads and well pads (utilize equipment no larger than needed for the job).
8. Reserve pits will be adequately fenced during and after drilling operations until pit is reclaimed so as to effectively keep out wildlife and livestock. Adequate fencing, in lieu of more stringent requirements by the surface owner, is defined as follows:
 - Construction materials will consist of steel or wood posts. Three or four strand wire (smooth or barbed) fence or hog panel (16-foot length by 50-inch height) or plastic snow fence must be used with connectors such as fence staples, quick-connect clips, hog rings, hose clamps, twisted wire, etc. Electric fences will not be allowed.
 - Construction standards: Posts shall be firmly set in ground. If wire is used, it must be taut and evenly spaced, from ground level to top wire, to effectively keep out animals. Hog panels must be tied securely into posts and one another using fence staples, clamps, etc. Plastic snow fencing must be taut and sturdy. Fence must be at least 2-feet from edge of pit, 3 sides fenced before beginning drilling, the fourth side fenced immediately upon completion of drilling and prior to rig release. Fence must be left up and maintained in adequate condition until pit is closed.
9. The reserve pit will be oriented to prevent collection of surface runoff. After the drilling rig is removed, the operator may need to construct a trench on the uphill side of the reserve pit to divert surface drainage around it. If constructed, the trench will be left intact until the pit is closed.
10. The reserve pit will be lined with an impermeable liner if permeable subsurface material is encountered. An impermeable liner is any liner having a permeability less than 10^{-7} cm/sec. The liner will be installed so that it will not leak and will be chemically compatible with all substances that may be put in the pit. Liners made of any man-made synthetic material will be of sufficient strength and thickness to

withstand normal installation and pit use. In gravelly or rocky soils, a suitable bedding material such as sand will be used prior to installing the liner.

11. The reserve pit will be constructed so that at least half of its total volume is in solid cut material (below natural ground level).
12. The reserve pit shall have 2 foot of freeboard maintained at all times to prevent overflow of fluids.
13. Culverts will be placed on channel bottoms on firm, uniform beds, which have been shaped to accept them, and aligned parallel to the channel to minimize erosion. Backfill will be thoroughly compacted.
14. The minimum diameter for culverts will be 18 inches. However, all culverts will be appropriately sized in accordance with standards in BLM Manual 9113.
15. Construction and other project-related traffic will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
16. Maximum design speed on all operator-constructed and maintained roads will not exceed 25 miles per hour.
17. Pipeline construction shall not block nor change the natural course of any drainage. Pipelines shall cross perpendicular to drainages. Pipelines shall not be run parallel in drainage bottoms. Suspended pipelines shall provide adequate clearance for maximum runoff.
18. Pipeline trenches shall be compacted during backfilling. Pipeline trenches shall be routinely inspected and maintained to ensure proper settling, stabilization and reclamation.
19. The pipeline right-of-way will be brush-hogged to prevent unnecessary disturbance. Only those areas where safety, absolute need for construction or other regulations may warrant the use of topsoil removal by blading or scalping.
20. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
21. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD.

C. Operations/Maintenance

1. If in the process of air drilling the wells there is a need to utilize mud, all circulating fluids will be contained either in an approved pit or in an aboveground containment tank. The pit or containment tank will be large enough to safely contain the capacity of all expected fluids without danger of overflow. Fluid and cuttings will not be squeezed out of the pit, and the pit will be reclaimed in an expedient manner.
2. Confine all equipment and vehicles to the access road(s), pad(s), and area(s) specified in the approved APD.
3. All waste, other than human waste and drilling fluids, will be contained in a portable trash cage. This waste will be transported to a State approved waste disposal site immediately upon completion of drilling operations. No trash or empty barrels will be placed in the reserve pit or buried on location. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.
4. Rat and mouse holes shall be filled and compacted from the bottom to the top immediately upon release of the drilling rig from the location.
5. The operator will be responsible for prevention and control of noxious weeds and weeds of concern on all areas of surface disturbance associated with this project (well locations, roads, water management facilities, etc.) Use of pesticides shall comply with the applicable Federal and State laws. Pesticides shall be used only in accordance with their registered uses and within limitations imposed by the Secretary of Interior. Prior to the use of pesticides on public land, the holder shall obtain from the BLM authorized officer written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary by the authorized officer to such use.
6. Sewage shall be placed in a self-contained, chemically treated porta-potty on location.
7. The operator and their contractors shall ensure that all use, production, storage, transport and disposal of hazardous and extremely hazardous materials associated with the drilling, completion and production of these wells will be in accordance with all applicable existing or hereafter promulgated federal, state and local government rules, regulations and guidelines. All project-related activities involving hazardous materials will be conducted in a manner to minimize potential environmental impacts. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.

8. Produced fluids shall be put in test tanks on location during completion work. Produced water will be put in the reserve pit during completion work per Onshore Order #7.
9. The only fluids/waste materials which are authorized to go into the reserve pit are RCRA exempt exploration and production wastes. These include:
 - drilling muds & cuttings
 - rigwash
 - excess cement and certain completion & stimulation fluids defined by EPA as exempt

It does not include drilling rig waste, such as:

- spent hydraulic fluids
- used engine oil
- used oil filter
- empty cement, drilling mud, or other product sacks
- empty paint, pipe dope, chemical or other product containers
- excess chemicals or chemical rinsate

Any evidence of non-exempt wastes being put into the reserve pit may result in the BLM Authorized Officer requiring specific testing and closure requirements.

10. If this well is drilled during the fire season (June-October), the operator shall institute all necessary precautions to ensure that fire hazard is minimized, including but not limited to mowing vegetation on the access route(s) and well location(s), keeping fire fighting equipment readily available when drilling, etc.

D. Dry Hole/Reclamation

1. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc will be expediently reclaimed and reseeded in accordance with the surface use plan and any pertinent site-specific COAs.
2. Disturbed lands will be re-contoured back to conform with existing undisturbed topography. No depressions will be left that trap water or form ponds.
3. Before the location has been reshaped and prior to redistributing the topsoil, the operator will rip or scarify the drilling platform and access road on the contour, to a depth of at least 12 inches. The rippers are to be no farther than 24 inches apart.
4. Distribute the topsoil evenly over the entire location and other disturbed areas. Prepare the seedbed by disking to a depth of 4-to-6 inches following the contour.
5. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice. Individual facilities, such as well locations, pipelines, discharge points, impoundments, etc. need to be addressed in these plans as they are no longer

needed. Individual items that will need to be addressed in reclamation plans include:

- Pit closure (Close ASAP after suitably dry, but no later than 90 days from time of drilling unless an extension is given by BLM Authorized Officer.) BLM may require closure prior to 90 days in some cases due to land use or environmental concerns.
 - Configuration of reshaped topography, drainage systems, and other surface manipulations
 - Waste disposal
 - Revegetation methods, including specific seed mix (pounds pure live seed/acre) and soil treatments (seedbed preparation, fertilization, mulching, etc.). On private surface, the landowner should be consulted for the specific seed mix.
 - Other practices that will be used to reclaim and stabilize all disturbed areas, such as water bars, erosion fabric, hydro-mulching, etc.
 - An estimate of the timetables for beginning and completing various reclamation operations relative to weather and local land uses.
 - Methods and measures that will be used to control noxious weeds, addressing both ingress and egress to the individual well or POD.
 - Decommissioning/removal of all surface facilities
6. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.
 7. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.
 8. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.
 9. Soil fertility testing and the addition of soil amendments may be required to stabilize some disturbed lands.
 10. Any mulch utilized for reclamation needs to be certified weed free.
 11. Waterbars are to be constructed at least one (1) foot deep, on the contour with approximately two (2) feet of drop per 100 feet of waterbar to ensure drainage, and extended into established vegetation. All waterbars are to be constructed with the berm on the downhill side to prevent the soft material from silting in the trench. The initial waterbar should be constructed at the top of the backslope.

Subsequent waterbars should follow the following general spacing guidelines:

Slope (percent)	Spacing Interval (feet)
≤ 2	200
2 - 4	100
4 - 5	75
≥ 5	50

E. Producing Well

1. Reclaim those areas not required for production as soon as possible. The fluids and mud must be dry in the reserve pit before re-contouring pit area. The operator will be responsible for re-contouring and reseeding of any subsidence areas that develop from closing a pit before it is completely dry.
2. Reduce the backslope to 2:1 and the foreslope to 3:1, unless otherwise directed by the BLM Authorized Officer. Reduce slopes by pulling fill material up from foreslope into the toe of cut slopes.
3. Production facilities (including dikes) must be placed on the cut portion of the location and a minimum of 15 feet from the toe of the back cut unless otherwise approved by the BLM Authorized Officer.
4. Any spilled or leaked oil, produced water or treatment chemicals must be reported in accordance with NTL-3A and immediately cleaned up in accordance with BLM requirements. This includes clean-up and proper disposition of soils contaminated as a result of such spills/leaks.
5. Distribute stockpiled topsoil evenly over those areas not required for production and reseed as recommended.
6. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
7. Prior to construction of production facilities not specifically addressed in the APD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.
8. If not already required prior to constructing and drilling the well location, the operator shall immediately upgrade the entire access road to BLM standards (including topsoiling, crowning, ditching, drainage culverts, surfacing, etc.) to

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**APPENDIX B:
APPLICANT-COMMITTED ENVIRONMENTAL PROTECTION MEASURES**

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1.0 INTRODUCTION

Appendix B is part of BBC's Proposed Action for the WTPDP as described in Chapter 2.0, and BBC will comply with the standards, procedures, and requirements contained in Appendix B when implementing the Alternatives unless otherwise provided for by the BLM Authorized Officer (AO). Appendix B describes standard practices utilized to mitigate adverse effects caused by surface-disturbing activities.

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*EA, West Tavaputs Plateau Drilling Program***2.0 STANDARD PRACTICES**

The following BMPs/Applicant-Committed Protection Measures (ACEPM) will be applied to all federal lands within the WTPPA by BBC to minimize impacts to the environment. Exception, modification, or waiver of a mitigation requirement may be granted if a thorough analysis by BLM determines that the resource(s) for which the measure was developed will not be impacted by the project activity. Further site-specific mitigation measures may be identified during the application for permit to drill (APD) and/or right-of-way (ROW) application review processes.

2.1 PRECONSTRUCTION PLANNING AND DESIGN MEASURES

1. BBC and/or their contractors and subcontractors will conduct all phases of project implementation, including well location, road and pipeline construction, drilling and completion operations, maintenance, reclamation, and abandonment in full compliance with all applicable federal, state, and local laws and regulations and within the guidelines specified in approved APDs and ROW permits. BBC will be held fully accountable for their contractor's and subcontractor's compliance with the requirements of the approved permit and/or plan.
2. Implementation of site-specific activities/actions will be contingent on BLM determining that the activity/action complies with the following plans:
 - Surface Use Plan and/or Plan of Development; and
 - Site-specific APD plans/reports (e.g., road and wellpad design plans, cultural clearance, special status plant species clearance, etc.).The above plans may be prepared by the Companies for the project area or submitted incrementally with each APD, ROW application, or Sundry Notice (SN).

2.2 ROADS

1. BBC will construct roads on private surface in a safe and prudent manner to the specifications of landowners.
 2. Roads on federal surface will be constructed as described in BLM Manual 9113. Where necessary, running surfaces of the roads will be graveled if the base does not already contain sufficient aggregate.
 3. Existing roads will be used when the alignment is acceptable for the proposed use. Generally, roads will be required to follow natural contours; provide visual screening by constructing curves, etc.; and be reclaimed to BLM standards.
 4. To control or reduce sediment from roads, guidance involving proper road placement and buffer strips to stream channels, graveling, proper drainage, seasonal closure, and in some cases, redesign or closure of old roads will be developed when necessary. Construction may also be prohibited during periods when soil material is saturated, frozen, or when watershed damage is likely to occur.
 5. Available topsoil will be stripped from all road corridors prior to commencement of construction activities and will be redistributed and reseeded on backslope areas of the borrow ditch after completion of road construction activities. Borrow ditches will be reseeded in the first appropriate season after initial disturbance.
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6. On newly constructed roads and permanent roads, the placement of topsoil, seeding, and stabilization will be required on all cut and fill slopes unless conditions prohibit this (e.g., rock). No unnecessary side-casting of material (e.g., maintenance) on steep slopes will be allowed.
 7. Reclamation of abandoned roads will include requirements for reshaping, recontouring, resurfacing with topsoil, installation of water bars, and seeding on the contour. Road beds, wellpads, and other compacted areas will be ripped to a depth of 1.0 foot on 1.5 feet centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation will be spread over the disturbance for nutrient recycling, where practical. Fertilization or fencing of these disturbances will not normally be required. Additional erosion control measures (e.g., fiber matting) and road barriers to discourage travel may be required. Graveled roads, wellpads, and other sites will be stripped of usable gravel and hauled to new construction sites prior to ripping as deemed necessary by the AO. The removal of structures such as bridges, culverts, cattleguards, and signs will usually be required.
 8. Main artery roads, regardless of the primary user, will be crowned, ditched, drained, and, if deemed appropriate by the AO, surfaced with gravel.
 9. Unnecessary topographic alterations will be mitigated by avoiding, where possible, steep slopes, rugged topography, and perennial and ephemeral/intermittent drainages, and by minimizing the area disturbed.
 10. Upon completion of construction and/or production activities, the Companies will restore, to the extent practicable, the topography to near pre-existing contours at well sites, access roads, pipelines, and other facility sites.
 11. Existing roads will be used to the maximum extent possible and upgraded as necessary.
 12. BBC will comply with existing federal, state, and county requirements and restrictions to protect road networks and the traveling public.
 13. Special arrangements will be made with the Utah Department of Transportation to transport oversize loads to the project area. Otherwise, load limits will be observed at all times to prevent damage to existing road surfaces.
 14. All development activities along approved ROWs will be restricted to areas authorized in the approved ROW.
 15. Roads and pipelines will be located adjacent to existing linear facilities wherever practical.
 16. BBC and/or their contractors will post appropriate warning signs and require project vehicles to adhere to appropriate speed limits on project-required roads, as deemed necessary by the AO.
 16. BBC will be responsible for necessary preventative and corrective road maintenance for the duration of the project. Maintenance responsibilities may include, but are not limited to, blading, gravel surfacing, cleaning ditches and drainage facilities, dust abatement, noxious weed control, or other requirements as directed by the AO.
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*EA, West Tavaputs Plateau Drilling Program***2.3 WELLPADS AND FACILITIES**

1. In conformance with Onshore Oil and Gas Order No. 1, BBC will prepare and submit individual comprehensive drill site design plans for BLM approval. These plans will show the drill location layout over the existing topography; dimensions of the location; volumes and cross sections of cut and fill; location and dimensions of reserve pits; existing drainage patterns; and access road egress and ingress. Plans will be submitted and approved prior to initiation of construction.
2. No surface disturbance is recommended on slopes in excess of 25% unless erosion controls can be ensured and adequate revegetation is expected. Engineering proposals and revegetation and restoration plans will be required in these areas.
3. Reserve pits will be constructed to ensure protection of surface and ground water. The review to determine the need for installation of lining material will be done on a case-by-case basis and consider soil permeability, water quality, and depth to ground water.
4. Reserve pit liners will have a mullen burst strength that is equal to or exceeds 300 pounds, a puncture strength that is equal to or exceeds 160 pounds, and grab tensile strengths that are equal to or exceed 150 pounds. There will be verified test results conducted according to ASTM test standards. The liner will be totally resistant to deterioration by hydrocarbons.
5. Produced water from oil and gas operations will be disposed of in accordance with the requirements of Onshore Oil and Gas Order #7.
6. Pits will be fenced as specified in individual authorizations. Any pit containing harmful fluids will be maintained in a manner that will prevent migratory bird mortality.
7. Disturbances will be managed/reclaimed for zero runoff from the wellpad or other facility until the area is stabilized. All excavations and pits will be closed by backfilling and contouring to conform to surrounding terrain. On wellpads and other facilities, the surface use plan will include objectives for successful reclamation including soil stabilization, plant community composition, and desired vegetation density and diversity.
8. On producing wells, BBC will reduce slopes to original contours (not to exceed 3:1 slopes). Areas not used for production purposes will be backfilled and blended into the surrounding terrain, reseeded, and erosion control measures installed. Erosion control measures will be required after slope reduction. Mulching, erosion control measures, and fertilization may be required to achieve acceptable stabilization.
9. Abandoned sites will be satisfactorily rehabilitated in accordance with the approved APD.

2.4 PIPELINES

1. Pipeline construction methods and practices will be completed in such a manner so as to obtain good reclamation and the re-establishment of the native plant community.
2. On ditches exceeding 24 inches in width, 6 to 12 inches of surface soil will be salvaged on the entire right-of-way, where practicable. When pipelines are buried, there will be at least 30 inches of backfill on top of the pipe. Backfill will not extend above the original ground level after the fill has settled. Guides for construction and water bar placement found in "Surface Operating Standards for Oil and

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Gas Exploration and Development" (BLM and USFS 1989) will be followed. Bladed surface materials will be re-spread upon the cleared route once construction is completed. Disturbed areas that have been reclaimed will be fenced when the route is near livestock watering areas at the discretion of the AO.

3. Pipeline ROWs will be located to minimize soil disturbance to the greatest extent practicable. Mitigation will include locating pipeline ROWs adjacent to access roads to minimize ROW disturbance widths, or routing pipeline ROWs directly to minimize disturbance lengths.
4. Existing crowned and ditched roads will be used for access where possible to minimize surface disturbances. Clearing of pipeline ROWs will be accomplished with the least degree of disturbance to topsoil. Where topsoil removal is necessary, it will be stockpiled (windrowed) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the ROW will also be re-spread to provide protection, nutrient recycling, and a seed source.
5. Temporary disturbances which do not require major excavation (e.g., small pipelines) may be stripped of vegetation to ground level using mechanical treatment, leaving topsoil intact and root masses relatively undisturbed.
6. To promote soil stability, backfill over the trench will be compacted so as not to extend above the original ground level after the fill has settled. Wheel or other methods of compacting the pipeline trench backfill will occur at two levels to reduce trench settling and water chaneling--once after 3 feet of fill has been replaced and once within 6-12 inches of the surface. Water bars, mulching, and terracing will be installed, as needed, to minimize erosion. Instream protection structures (e.g., drop structures) in drainages crossed by a pipeline will be installed at the discretion of the AO to prevent erosion.
7. BBC will adhere to the following procedures regarding the installation of pipelines during periods when the earth is frozen.
 - The BLM Price Field Office will be contacted at least 10 days prior to anticipated start of project. The project will not proceed until such time as authorization from BLM has been received by the Companies.
 - A BLM representative will be on the ground at the beginning of construction.
 - Snow, if present, will be removed utilizing a motor grader.
 - Vegetation will be scalped and windrowed to one side of the right-of-way.
 - A wheel trencher will be used to remove approximately 6-8 inches of topsoil from the top of the pipeline ditch and windrow it to one side.
 - A trench approximately 4 feet deep will be dug using a wheel trencher and the soil will be stockpiled to one side, making sure the top soil or spoil do not get mixed together.
 - The pipeline will be installed, the trench backfilled, and the spoil compacted in the trench.
 - Stockpiled topsoil will be placed in the trench and compacted.
 - Scalped vegetation back will be placed back on right-of-way using a motor grader.
 - The entire right-of-way will be reseeded as normal in the spring after the thaw.

These procedures will be incorporated in every Plan of Development where construction in frozen earth is anticipated.

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2.5 AIR QUALITY

1. BBC will comply with all applicable local, state, and federal air quality laws, statutes, regulations, standards, and implementation plans.
2. BBC will obtain all necessary air quality permits from UDAQ to construct, test, and operate facilities.
3. All internal combustion equipment will be kept in good working order.
4. The Companies will use water at construction sites, as necessary, to abate fugitive dust.
5. The Companies will not allow any open burning of garbage or refuse at well sites or other facilities.

2.6 VEGETATION

1. Removal and disturbance of vegetation will be kept to a minimum through construction site management (e.g., using previously disturbed areas and existing easements, limiting equipment/materials storage yard and staging area size, etc.).
2. Wellpads and associated roads and pipelines will be located to avoid or minimize impacts in areas of high value (e.g., sensitive species habitats, wetland/riparian areas).

2.7 SOILS

1. Surface-disturbing activities will be examined on a site-specific basis, evaluating the potential for soil loss and the compatibility of soil properties with project design. Stipulations and mitigating measures will be developed on a case-by-case basis to ensure soil conservation and practical management.
 2. BBC will restrict construction activities during periods when soils are saturated and excessive rutting (>4 inches with multiple passes) would occur.
 3. Salvage and subsequent replacement of topsoil will occur for surface-disturbing activities wherever specified by the AO.
 4. Before a surface-disturbing activity is undertaken, topsoil depth will be determined and the amount of topsoil to be removed, along with topsoil placement areas, will be specified in the authorization. The uniform distribution of topsoil over the area to be reclaimed will occur unless conditions warrant a varying depth. On large surface-disturbing projects topsoil will be stockpiled and seeded to reduce erosion. Where feasible, topsoil stockpiles will be designed to maximize surface area to reduce impacts to soil microorganisms. Areas used for spoil storage will be stripped of topsoil before spoil placement, and the replacement of topsoil after spoil removal will be required.
 5. BBC will avoid adverse impacts to soils by:
 - minimizing the area of disturbance;
 - avoiding construction with frozen soil materials to the extent practicable;
 - avoiding areas with high erosion potential (e.g., unstable soil, dunal areas, slopes greater than 25%, floodplains), where practicable;
 - salvaging and selectively handling topsoil from disturbed areas;
 - adequately protecting stockpiled topsoil and replacing it on the surface during reclamation;
 - leaving the soil intact (scalping only) during pipeline construction, where practicable;
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- using appropriate erosion and sedimentation control techniques including, but not limited to, diversion terraces, riprap, and matting;
 - promptly revegetating disturbed areas using adapted species;
 - applying temporary erosion control measures such as temporary vegetation cover, application of mulch, netting, or soil stabilizers; and/or
 - constructing barriers, as appropriate, to minimize wind and water erosion and sedimentation prior to vegetation establishment.
6. Appropriate erosion control and revegetation measures will be employed. Grading and landscaping will be used to minimize slopes, and water bars will be installed on disturbed slopes in areas with unstable soils where seeding alone may not adequately control erosion. Erosion control efforts will be monitored by the Companies and necessary modifications made to control erosion.
 7. Sufficient topsoil or other suitable material to facilitate revegetation will be segregated from subsoils during all construction operations requiring excavation and will be returned to the surface upon completion of operations. Soils compacted during construction will be ripped and tilled as necessary prior to reseeding. Cut and fill sections on all roads and along pipelines will be revegetated with native species.
 8. Any accidental soil contamination by spills of petroleum products or other hazardous materials will be cleaned up by the Companies and the soil disposed of or rehabilitated according to applicable rules.
 9. BBC will restrict off-road vehicle (ORV) activity by employees and contract workers to the immediate area of authorized activity or existing roads and trails.

2.8 RECLAMATION

1. BBC's reclamation goals will emphasize: 1) protection of existing native vegetation; 2) minimal disturbance of the existing environment; 3) soil stabilization through establishment of ground cover; and 4) establishment of native vegetation consistent with land use planning.
 2. All reclamation will be accomplished as soon as possible after the disturbance occurs with efforts continuing until a satisfactory revegetation cover is established.
 3. Seed mixtures for reclaimed areas will be site-specific, composed of native species, and will include species promoting soil stability. A pre-disturbance species composition list will be developed if the site includes several different plant communities. Livestock palatability and wildlife habitat needs will be given consideration during seed mix formulation. BLM Manual 1745, *Introduction, Transplant, Augmentation, and Reestablishment of Fish, Wildlife, and Plants*, and Executive Order No. 11987, *Exotic Organisms*, will be used as guidance.
 4. Interseeding, secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provision will be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures will occur on areas where initial reclamation efforts are unsuccessful.
 5. Any mulch used by BBC will be weed free and free from mold, fungi, or noxious weed seeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting, and rock. Straw mulch will contain fibers long enough to facilitate crimping and provide the greatest cover.
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6. BBC will be responsible for the control of all noxious weed infestations on disturbed surfaces. Aerial application of chemicals will be prohibited within 0.25 mile of special status plant locations, and hand application will be prohibited within 500 feet. Herbicide application will be monitored by the AO.
7. Recontouring and seedbed preparation will occur immediately prior to reseeding on the unused portion of wellpads, road ROWs, and entire pipeline ROWs outside of road ROWs. In the event of uneconomical wells, BBC will initiate reclamation of the entire wellpads, access road, and adjacent disturbed habitat as soon as possible. BBC assumes the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which results in the proper reclamation of disturbed lands. BBC will monitor reclamation to determine and ensure successful establishment of vegetation. No consent to termination of any bond will be given by the AO until all the terms and conditions of the approved permit(s) have been met.
8. Proper erosion and sediment control structures and techniques will be incorporated by the Companies into the design of wellpads, roads, pipelines, and other facilities. Revegetation using a BLM-approved, locally adapted seed mixture containing native grasses, forbs, and shrubs will begin in the first appropriate season following disturbance. Vegetation removed will be replaced with plants of equal forage value and growth form using procedures that include:
 - fall reseeding (September 15 to freeze-up), where feasible;
 - spring reseeding (April 30 - May 31) if fall seeding is not feasible;
 - deep ripping of compacted soils prior to reseeding;
 - surface pitting/roughening prior to reseeding;
 - utilization of native cool season grasses, forbs, and shrubs in the seed mix;
 - interseeding shrubs into an established stand of grasses and forbs at least one year after seeding;
 - appropriate, approved weed control techniques;
 - broadcast or drill seeding, depending on site conditions; and
 - fencing of certain sensitive reclamation sites (e.g., riparian areas, steep slopes, and areas within 0.5 mile of livestock watering facilities) as determined necessary through monitoring.
9. BBC will monitor noxious weed occurrence on the project area and implement a noxious weed control program in cooperation with BLM. Weed-free certification by county extension agents will be required for grain or straw used for mulching revegetated areas.

2.9 CANDIDATE PLANTS/SPECIAL STATUS PLANTS

1. Herbicide applications will be kept at least 500 feet from known special status plant species populations or other distances deemed safe by the AO.
2. Wellpads and associated roads and pipelines will be located to avoid or minimize impacts to areas of high value (e.g., special status plant species habitats, wetland/riparian areas).

2.10 WATERSHEDS

1. Crossings of ephemeral, intermittent, and perennial streams associated with road and utility line construction will generally be restricted until normal flows are established after spring runoff.
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2.11 GEOLOGICAL/PALEONTOLOGICAL RESOURCES

1. Wells, pipelines, and ancillary facilities will be designed and constructed such that they will not be damaged by moderate earthquakes. Any facilities defined as critical according to the Uniform Building Code will be constructed in accordance with applicable Uniform Building Code Standards for Seismic Risk Zone 2B.
2. If paleontological resources are uncovered during surface-disturbing activities, BBC will suspend operations at the site that will further disturb such materials and immediately contact the AO, who will arrange for a determination of significance, and, if necessary, recommend a recovery or avoidance plan.

2.12 CULTURAL/HISTORICAL RESOURCES

1. BBC will follow the cultural resources and recovery plan for the project.
2. If cultural resources are located within frozen soils or sediments that preclude the possibility of adequately recording or evaluating the find, construction work will cease and the site will be protected for the duration of frozen soil conditions. Recordation, evaluation and recommendations concerning further management will be made to the AO following natural thaw. The AO will consult with the affected parties and construction work will resume once management of the threatened site has been finalized and the Notice to Proceed has been issued.
3. BBC will inform their employees, contractors and subcontractors about relevant federal regulations intended to protect archaeological and cultural resources. All personnel will be informed that collecting artifacts, including arrowheads, is a violation of federal law and that employees engaged in this activity may be subject to disciplinary action.

2.13 WATER RESOURCES

1. BBC will maintain a complete copy of the SPCC Plan at each facility if the facility is normally attended at least 8 hours per day, or at the nearest field office if the facility is not so attended (40 CFR 112.3(e)).
 2. BBC will implement and adhere to SPCC Plans in a manner such that any spill or accidental discharge of oil will be remediated. An orientation will be conducted by the Companies to ensure that project personnel are aware of the potential impacts that can result from accidental spills, as well as the appropriate recourse if a spill does occur. Where applicable and/or required by law, streams at pipeline crossings will be protected from contamination by pipeline shutoff valves or other systems capable of minimizing accidental discharge.
 3. If reserve pit leakage is detected, operations at the site will be curtailed, as directed by the BLM, until the leakage is corrected.
 4. BBC will case and cement all gas wells to protect subsurface mineral and freshwater zones. Unproductive wells and wells that have completed their intended purpose will be properly abandoned and plugged using procedures identified by BLM (federal mineral estate) and/or WOGCC (state and fee mineral estate).
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5. All water used in association with this project will be obtained from sources previously approved by the Utah State Engineer's Office.
 6. Erosion-prone or high salinity areas will be avoided where practicable. Necessary construction in these areas will be timed to avoid periods of greatest runoff.
 7. BBC will incorporate proper containment of condensate and produced water in tanks and drilling fluids in reserve pits, and will locate staging areas for storage of equipment away from drainages to prevent contaminants from entering surface waters.
 8. Prudent use of erosion control measures, including diversion terraces, riprap, matting, temporary sediment traps, and water bars will be employed by the Companies as necessary. These erosion control measures will be used as appropriate to control surface runoff generated at wellpads. The type and location of sediment control structures, including construction methods, will be described in APD and ROW plans. If necessary, BBC may treat diverted water in detention ponds prior to release to meet applicable state or federal standards.
 9. BBC will construct channel crossings by pipelines so that the pipe is buried at least 3 feet below the channel bottom.
 10. Streams/channels crossed by roads will have culverts installed at all appropriate locations as specified in the BLM Manual 9112-Bridges and Major Culverts and Manual 9113-Roads. Streams will be crossed perpendicular to flow, where possible, and all stream crossing structures will be designed to carry the 25-year discharge event or other capacities as directed by the AO.
 11. BBC will reshape disturbed channel beds to their approximate original configuration.
 12. The disposal of all hydrostatic test water will be done in conformance with BLM Onshore Oil and Gas Order No. 7. BBC will comply with state and federal regulations for water discharged into an established drainage channel. The rate of discharge will not exceed the capacity of the channel to convey the increased flow. Waters that do not meet applicable state or federal standards will be evaporated, treated, or disposed of at an approved disposal facility.
 13. BBC will prepare Storm Water Pollution Prevention Plans (SWPPPs) as required by WDEQ National Pollution Discharge Elimination System (NPDES) permit requirements on individual disturbances that exceed 5 acres in size or as required by future changes in regulations.
 14. Any disturbances to wetlands and/or waters of the U.S. will be coordinated with the COE, and 404 permits will be secured as necessary prior to disturbance.
 15. Where disturbance of wetlands, riparian areas, streams, or ephemeral/intermittent stream channels cannot be avoided, COE Section 404 permits will be obtained by BBC as required, and, in addition to applicable above-listed measures, the following measures will be applied where appropriate:
 - wetland areas will be crossed during dry conditions (i.e., late summer, fall, or dry winters);
 - streams, wetlands, and riparian areas disturbed during project construction will be restored to as near re-project conditions as practical and, if impermeable soils contributed to wetland formation, soils will be compacted to reestablish impermeability;
 - wetland topsoil will be selectively handled;
 - disturbed areas will be recontoured and BLM-approved species will be used for reclamation; and
-

EA, West Tavaputs Plateau Drilling Program

B-11

-
- reclamation activities will begin on disturbed wetlands immediately after completion of project activities.

2.14 NOISE

1. All engines required for project activities will be properly muffled and maintained in accordance with state and federal laws.

2.15 WILDLIFE, FISHERIES, AND THREATENED AND ENDANGERED (T&E) SPECIES

1. To minimize wildlife mortality due to vehicle collisions, BBC will advise project personnel regarding appropriate speed limits in the project area. Roads no longer required for operations will be reclaimed as soon as possible. Potential increases in poaching will be minimized through employee and contractor education regarding wildlife laws. If wildlife law violations are discovered, the offending employee will be subject to disciplinary action by BBC.
2. BBC will protect (e.g., fence or net) reserve, workover, and production pits potentially hazardous to prohibit wildlife access as directed by BLM.
3. BBC will utilize wildlife-proof fencing on reclaimed areas in accordance with standards specified in BLM Handbook 1741-1, *Fencing*, if it is determined that wildlife are interfering with successful reestablishment of vegetation.
4. Consultation and coordination with USFWS and UDWR will be conducted for all mitigation activities relating to raptors and T&E species and their habitats, and all permits required for movement, removal, and/or establishment of raptor nests will be obtained.
5. BBC will adhere to all survey, mitigation, and monitoring requirements identified in the Biological Assessment prepared for this project.

2.16 LIVESTOCK/GRAZING MANAGEMENT

1. BBC will reclaim nonessential areas disturbed during construction activities in the first appropriate season after well completion.
 2. Nonessential areas include portions of the wellpads not needed for production operations, the borrow ditch and outslope portions of new road ROWs, entire pipeline ROWs outside of road ROWs, and all roads and associated disturbed areas at nonproductive wells.
 3. BBC will repair or replace fences, cattleguards, gates, drift fences, and natural barriers to current BLM standards. Cattleguards will be used instead of gates for livestock control on most road ROWs. Livestock will be protected from pipeline trenches, and livestock access to existing water sources will be maintained.
 4. BBC will review livestock impacts from roads or disturbance from construction and drilling activities at least annually with livestock permittees and BLM. Appropriate measures will be taken to correct any adverse impacts, should they occur.
-

2.17 RECREATION

1. BBC will instruct employees, contractors, and subcontractors that camp sites on federal lands or at federal recreation sites must not be occupied for more than 14 consecutive days.
2. BBC will require that employees, contractors, and subcontractors abide by all state and federal laws and regulations regarding hunting.

2.18 VISUAL RESOURCES

1. Pipeline ROWs will be located within existing ROWs whenever possible, and aboveground facilities not requiring safety coloration will be painted with appropriate nonreflective standard environmental colors (Carlsbad Canyon or Desert Brown, or other specified standard environmental colors) as determined by the AO. Topographic screening, vegetation manipulation, project scheduling, and traffic control procedures may all be employed, as practicable, to further reduce visual impacts.
2. Within VRM Class II areas, BBC will utilize existing topography to screen roads, pipeline corridors, drill rigs, wells, and production facilities from view where practicable. The Companies will paint all aboveground production facilities with appropriate colors (e.g., Carlsbad Canyon or Desert Brown) to blend with adjacent terrain, except for structures that require safety coloration in accordance with OSHA requirements.

2.19 HEALTH AND SAFETY/HAZARDOUS MATERIALS

1. BBC will utilize BLM-approved portable sanitation facilities at drill sites; place warning signs near hazardous areas and along roadways; place dumpsters at each construction site to collect and store garbage and refuse; ensure that all refuse and garbage is transported to a State-approved sanitary landfill for disposal; and institute a Hazard Communication Program for its employees and require subcontractor programs in accordance with OSHA (29 CFR 1910.1200).
 2. In accordance with 29 CFR 1910.1200, a Material Safety Data Sheet for every chemical or hazardous material brought on-site will be kept on file BBC's field offices.
 3. Chemicals and hazardous materials will be inventoried and reported by BBC in accordance with the SARA Title III (40 CFR 335). If quantities exceeding 10,000 pounds or the threshold planning quantity are to be produced or stored, BBC will submit appropriate Section 311 and 312 forms at the required times to the State and County Emergency Management Coordinators and the local fire departments.
 4. BBC will transport and/or dispose of any hazardous wastes, as defined by the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, in accordance with all applicable federal, state, and local regulations.
 5. BBC commits to the following practices regarding hazardous material containment.
 - All storage tank batteries that contain any oil, glycol, produced water, or other fluid which may constitute a hazard to public health or safety will be surrounded by a secondary means of containment for the entire contents of the largest single tank in use plus freeboard for precipitation, or to contain 110% of the capacity of the largest vessel. The appropriate containment and/or diversionary structures or equipment, including walls and floor, will contain
-

any oil, glycol or produced water and shall be constructed so that any discharge from a primary containment system, such as a tank or pipe, will not drain, infiltrate, or otherwise escape to ground or surface waters before cleanup is completed.

- **Treaters, dehydrators and other production facilities that have the potential to leak or spill oil, glycol, produced water, or other fluid which may constitute a hazard to public health or safety, shall be placed on or within appropriate containment and/or diversionary structure to prevent spilled or leaking fluid from reaching ground or surface waters. The appropriate containment and/or diversionary structure will be sufficiently impervious to oil, glycol, produced water, or other fluid and will be installed so that any spill or leakage will not drain, infiltrate, or otherwise escape to ground or surface waters prior to completion of cleanup.**
 - **Notice of any spill or leakage, as defined in BLM NTL 3A, will be immediately reported to the AO by the Companies as well as to such other federal and state officials as required by law. Oral notice will be given as soon as possible, but within no more than 24 hours, and those oral notices will be confirmed in writing within 72 hours of any such occurrence.**
-

**Applicant Committed Mitigation Measures Bill Barrett Corporation 2007-2008
Prickly Pear Winter Drilling EA**

BBC would build all roads, pipelines and well pads prior to the start of the winter timing restrictions on November 1, 2007, assuming proper approvals have been received.

BBC would implement actions included in the Proposed Action as described in Section 2.4, Alternative C, of the West Tavaputs Drilling EA approved on July 24, 2004. Alternative C was selected as part of BLM's decision to implement the original drilling program.

Access roads would be maintained as necessary to prevent erosion and accommodate year-round traffic. The roads would be maintained in a safe and useable condition, and to ensure proper drainage. All roads and other applicable surface disturbing activities would conform, as practicable, to the standards outlined in The Gold Book and *Price Field Office's Hydrological Modification Standards for Roads*.

No surfacing material would come from Indian lands or off-lease federal lands. BBC would use any excess rock from construction of the pad for surfacing the access road, as necessary. Any additional materials needs would come either from existing State of Utah School and Institutional Trust Lands Administration (SITLA) Materials Permits (334, 385, and 396) or from federal wells within the Prickly Pear unit.

All surface disturbing activities would be supervised by a qualified company representative to ensure the terms and conditions of the APD, as well as specifications in the approved plans, are complied with.

All cut and fill slopes would be constructed so that their stability would be maintained for the life of the project. Diversion ditches or berms would be constructed, if necessary, around a well pad to prevent surface waters from entering or exiting the well site area. At least 2 ft of freeboard would be maintained within the reserve pit.

The stockpiled topsoil (first 6 inches or maximum available) would be stored in a windrow on the uphill side of the location. All topsoil would be stockpiled for reclamation in such a way as to prevent soil loss and impacts.

The well pads would be maintained to ensure that drainages are kept open and free of debris, ice and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas. Pits would remain fenced until they are reclaimed.

Pipelines would be buried within a 50-ft wide pipeline right-of-way using standard pipeline installation procedures. Proposed well pads and access roads would facilitate staging for pipeline construction. If the surface condition is such that it would require blasting to bury a pipeline, BBC would ask BLM for a waiver to the requirement for a buried pipeline, and instead request that the pipeline be placed on the surface.

The cultural inventory resulted in the identification of three previously recorded sites, all of which are evaluated as eligible to the National Register of Historic Places. Due to the proximity of two of the eligible prehistoric sites (42Cb2486 and 42Cb1928) to the interconnect pipeline ROW, all ground disturbances would be kept on the south side of the existing fence that parallels the pipeline to avoid site 42Cb2486. Temporary protective fencing would be placed around the boundary of 42Cb1928 to facilitate its avoidance. Finally, because of the potential for buried cultural features and the proximity of these two sites, monitoring of all ground disturbance activities would occur. The boundary of site 42Cb1733 along the interplanetary road would be fenced with temporary protective fencing prior to commencement of the project to protect this eligible cultural site.

BBC would have traffic monitors at the top and bottom of the Harmon Canyon road to control traffic to insure safety and give priority to non-oil and gas vehicles.

To better understand sage grouse utilization of winter habitat and the effect of other mitigation efforts, BBC would contribute \$10,000 to the UDWR to continue greater sage-grouse telemetry studies.

The margins of the well pad location will be modified to create uneven fingers of undisturbed vegetation alternating into the margins along both sides of the disturbed area. This is done to diminish a straight line of contrast between disturbed and undisturbed land areas.

In addition, a large trackhoe would be used to excavate clumps of surrounding vegetation, (approximately 3' x 3' x 3') from random locations adjacent to the pad within 50 feet of disturbance and plant these clumps randomly over the disturbed area. Approximately 20 such clumps will be planted.

Any pre-existing vegetation, dead trees, large rocks, etc., would be put back on the recontoured surface to further enhance water retention, reduce erosion, provide shade, and make the site more aesthetically compatible with adjacent undisturbed areas.

REVEGETATION

Following surface preparation, the site would be reseeded with a drill seeder in areas that are relatively flat (less and 30% slopes). In areas with slopes in excess of 30% greater than a lateral distance of 50 feet, a wood fiber mulch in combination with a tackifier and fertilizer would be applied with a hydroseeder.

Drill Seeding

A drill seeder would be the most effective method to establish vegetation on accessible areas. If a rangeland drill is used, the seed mix will be incorporated into the drill using correct depth and density of stocking for the various native species. If a conventional grain drill is used, the large seeds (primarily shrubs and some forbs) would need to be hand broadcast prior to drilling because the larger seeds tend to plug the drill and frequently result in poor distribution.

The site should be drilled in multiple, cross, overlapping patterns. This would eliminate the row crop appearance of the site. Depending on time of year when drill seeding is implemented, an application of approximately 200 lb/acre of a broad based, slow release fertilizer such as 16-16-8 will enhance establishment. If seeding is implemented in spring (March through May), the fertilizer would be spread concurrently with ripping the site. If planting is scheduled for fall, fertilizer would be spread the following spring after germination and when the plants have hardened off. The fertilizer would facilitate establishment of vegetation and increase survivability for the first two to three growing seasons.

Methodology- Seeding and Mulching

A hydro-seeder, capable of applying material at a minimum of 150 feet, would be used on steeper terrain to minimize damage to the prepared seedbed. The hydro-seeder would spray the majority of the site from the adjacent road or working area of the well pad. In areas too distant to spray from the pad, a hose line may be required. The hydro-seeder will avoid driving over a scarified area unless necessary.

Due to the semi-arid conditions in the project area, a two-phase application is recommended. The first phase would overspray the disturbed site with the BLM recommended seed mix in

*Bill Barrett Corporation
Reclamation Plan
Page 3 of 4*

combination with 100 lbs of wood fiber mulch, 40 lbs of organic tackifier, and 300 gallons of water per acre. This application would ensure seed/ground contact. The mulch provides a visual marker to ensure even coverage and consistent seed distribution. The organic tackifier binds the uppermost ¼ inch of soil in place to minimize erosion, and keeps the mulch and fertilizer in place on the steeper slopes.

The second phase would overspray 1,500-2,000 lbs of wood fiber mulch in combination with 200 lbs of 16-16-8 fertilizer/acre. On slopes greater than 50% an additional 40 lbs of organic tackifier would be added. The mulch overspray should follow the seed application within 24 hours to minimize depredation of seeds by birds and rodents.

Steep Areas (1:1 or Greater) (Excluding Rock Escarpments)

In addition to the hydro mulch mythology previously described, a wood fiber matrix at a rate of 2000 lbs per acre would be applied following the mulch application within 48 hours. Materials such as "Soil Card" will add one to three years of erosion protection while ensuring adequate time to allow germination and establishment of the native species.

The reseeded and mulched areas would be allowed to dry for at least 12-24 hours, depending on weather conditions, before the site is walked on.

Seed Mix

The majority of the area is comprised of a vegetation type referred to as sage/grass/shrub. A primary objective of the reclamation effort is site stabilization; therefore, a species composition that provides rapid ground cover while allowing invasion of the surrounding native vegetation is desirable. The following seed mixes were also designed to create a stable diverse vegetative cover while maximizing the benefits to both wildlife and domestic stock and ensuring compatibility with the surrounding vegetation.

The seed mix within Table A is based on current technology and is submitted as a suggestion to the BLM.

Table A - Seed Mix

<u>Forbes</u>	<u>lbs</u>
Palmer Penstemon	0.5 lbs/acre
Golden Cryptantha	0.25 lbs/acre
Utah Sweet Vetch	0.5 lbs/acre
Yellow Sweet Clover ¹	2.0 lbs/acre
Lewis Flax	1.0 lbs/acre
<u>Grasses</u>	<u>lbs</u>
Indian Rice Grass	1.0 lbs/acre
Needle & Thread Grass	1.0 lbs/acre
Intermediate Wheat Grass	2.0 lbs/acre
Blue Gramma	0.5 lbs/acre
Galletta	0.5 lbs/acre
Great Basin Wild Rye	2.0 lbs/acre
<u>Woody Plants</u>	<u>lbs</u>
(4) Wing Salt Brush	2.0 lbs/acre
Winter Fat	0.5 lbs/acre
Wyoming Big Sage	0.25 lbs/acre
Utah Serviceberry	1.0 lbs/acre

Total	15.0 lbs/acre
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¹ Yellow Sweet Clover is planted as a nurse crop to provide solar protection, soil binding and nitrogen fixing. It would normally be crowded out in two to three years.

**TMC 1: Browse Hand Planting
Tubeling Mixtures**

One of the two browse species lists (checked below) are to be hand planted at the prescribed application rate and according to the following prescribed methods on areas that are undergoing long term reclamation. The would include all pipeline corridors, berm around edge of drill pads, miscellaneous disturbed areas associated with construction such as staging areas for equipment, sidecast on road cuts, along side upgraded or new roads up to and including borrow ditch and in the termination of redundant access roads being closed. This planting shall be completed in the first planting window following completion of construction and on all other disturbed areas upon final reclamation.

Planting Methods:

Planting shall be accomplished using a labor force with specific experience in landscape restoration, hand planting methods and handling and care of browse tubeling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubeling stock plants of 1 year old age class or greater.

Browse seedling protectors will be used to provide protection from browsing ungulates for two years. Seedling protectors will be of an open mesh rigid design that will break down when exposed to sunlight and that measures a minimum of 12 inches in length and 4 inches in diameter.

Planting shall be completed in the spring (March 1-April 1) and or fall (November 1-December 1) planting windows.

Browse plants shall be stored and handled in such a manner as to maintain viability, according to the type of browse stock being used.

Planting Species and Application Rate:

[] Sagebrush-Grass [] Pinyon-Juniper

Species	<u>Plants Per Acre</u>	
Wyoming Sagebrush (Gordon Creek)	100	50
Fourwing Saltbush (Utah seed source collected at or above 5,000 feet elevation)	100	50
True Mountain Mahogany (Utah seed source)	0	50
Antelope Bitterbrush (Utah seed source)	0	50
Total	200	200

Suitable Substitutions:

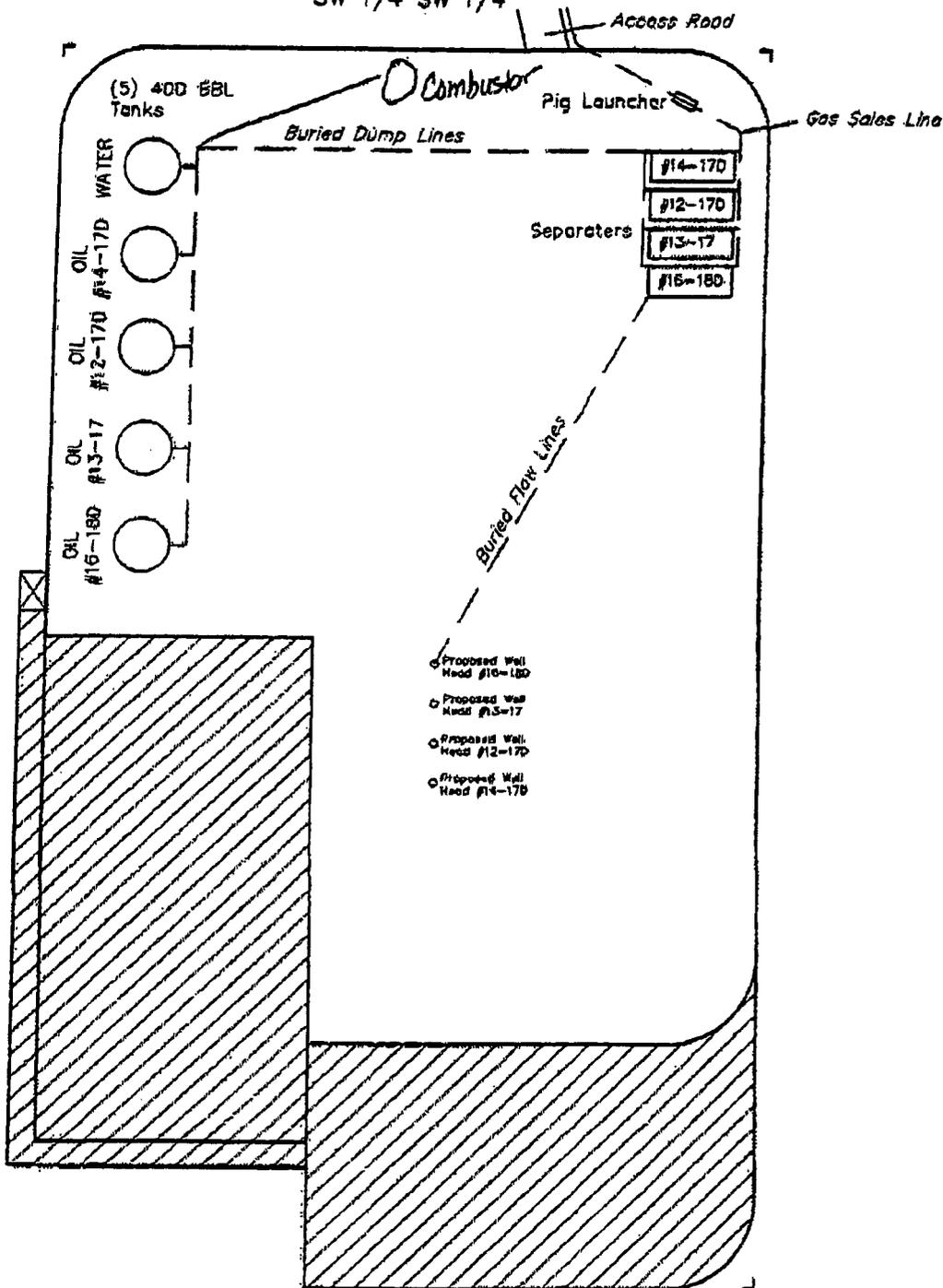
Utah Serviceberry	no	50
Winterfat	100	no

BILL BARRETT CORPORATION

RECLAMATION OPTION (A) LAYOUT FOR

PRICKLY PEAR UNIT FEDERAL #13-17-12-15, #12-17D-12-15,
#14-17D-12-15 & #16-18D-12-15
SECTION 17, T12S, R15E, S.L.B.&M.
SW 1/4 SW 1/4

SCALE: 1" = 80'
DATE: 10-10-07
DRAWN BY: P.M.



INTERIM RECLAMATION

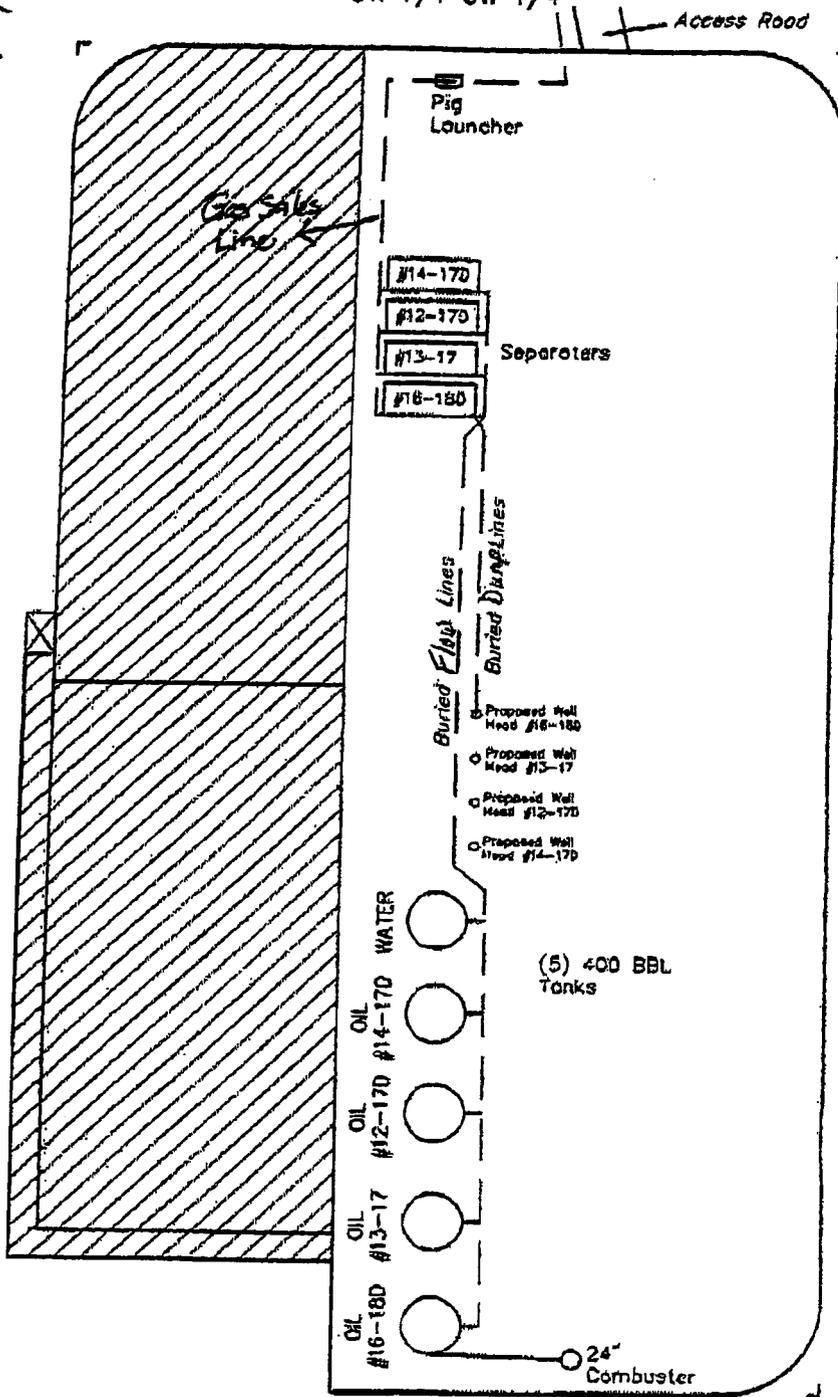
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 783-1077

BILL BARRETT CORPORATION

RECLAMATION OPTION (B) LAYOUT FOR

**PRICKLY PEAR UNIT FEDERAL #13-17-12-15, #12-17D-12-15,
#14-17D-12-15 & #16-18D-12-15
SECTION 17, T12S, R15E, S.L.B.&M.
SW 1/4 SW 1/4**

SCALE: 1" = 60'
DATE: 10-10-07
DRAWN BY: P.M.



 INTERIM RECLAMATION

UINTAH ENGINEERING & LAND SURVEYING
25 So. 200 East • Yarnal, Utah 84078 • (435) 783-1017

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Notify the Price Field Office at least 48-hours prior to commencing construction of location.

Spud- Notify the Price Field Office 24-hours prior to spud. Submit written notification (Sundry Notice, Form 3160-5) to the Moab Field Office within 24-hours after spud, regardless of whether using a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports that describe the progress and status of the well shall be submitted to the Moab Field Office on at least a weekly basis. This report may be in any format customarily used by the operator.

Oil and Gas Operations Reports (OGORs)- Production from this well shall be reported to Minerals Management Service (MMS) on a monthly basis.

Sundry Notices- Any modification to the proposed drilling program shall be submitted to the Moab Field Office on a Sundry Notice (Form 3160-5). Regulations at 43 CFR 3162.3-2 describe which operations require prior approval, and which require notification.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, immediately notify the Price Field Office, and work that might disturb the cultural resources shall cease.

First Production- A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Price Field Office.

Notify the Moab Field Office when the well is placed into production. Initial notification may be verbal, but must be confirmed in writing within five business days. Please include the date production started, the producing formation and production volumes.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, a *Well Completion or Recompletion Report and Log* (Form 3160-4) shall be submitted to the Moab Field Office within thirty-days after completion of the well. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered to be shut-in until the gas can be captured or until approval to continue the venting/flaring pursuant to NTL-4A is granted. Compensation shall be due for gas that is vented/flared without approval.

Produced Water- An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No.7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling of production prior to the sales measurement point. The term "commingling" describes both the combining of production from different geologic zones and/or combining production from different leases or agreement areas.

Plugging and Abandonment- If the well is a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Sundry Notice, Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Don Stephens (435-636-3608) or Walton Willis (435-636-3662) of the BLM Price Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation; (Stephens)

1 day prior to spud; (Willis)

50 feet prior to reaching the surface casing setting depth; (Willis)

3 hours prior to testing BOP equipment. (Willis)

If the person at the above number cannot be reached, notify the BLM Moab Field Office at 435-259-2100.

Well abandonment operations require 24-hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained from:

Eric Jones, Petroleum Engineer

Office: 435-259-2117

Home: 435-259-2214

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **Bill Barrett Corp**

Well Name: **Prickly Pear Unit Federal 6-18D-12-15**

API No: **43-007-31317** Lease Type: **Federal**

Section **18** Township **12S** Range **15'E** County **Carbon**

Drilling Contractor **Craig's Roustabout Service** Rig # **Bucket**

SPUDDED:

Date **11-16-07**

Time _____

How **Dry**

Drilling will Commence: _____

Reported by **Jody South**

Telephone # **208-695-4817**

Date **11-19-07** Signed **RM**

tfallang
CONFIDENTIAL

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
BMB No. 1864-0137
Expires: July 31, 2010
COPY

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-73668
6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. Prickly Pear / UTU-79487
2. Name of Operator Bill Barrett Corporation		8. Well Name and No. Prickly Pear Unit Federal 6-18D-12-15
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	3b. Phone No. (include area code) 303-312-8134	9. API Well No. 43-007-31317
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) N4WNW, 533' FNL, 588' FWL Sec. 18, T12S-R15E		10. Field and Pool or Exploratory Area Undesignated/Wasatch-Mesaverde
		11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Spud</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundy is being submitted as notification that this well was spud on 11/16/07.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tracey Fallang	Title Environmental/Regulatory Analyst
Signature <i>Tracey Fallang</i>	Date 11/19/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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

(Instructions on page 2)

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

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
 Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8134

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731317	Prickly Pear Unit Federal 6-18D-12-15		NWNW	18	12S	15E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16482	11/16/2007		11/26/07		
Comments: Spudding Operations were conducted by Craig's Roustabout Service at 1:00 p.m. PRRU=MVRD BHL=SENW CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731314	Prickly Pear Unit Federal 3-18D-12-15		NWNW	18	12S	15E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16483	11/16/2007		11/26/07		
Comments: Spudding Operations were conducted by Craig's Roustabout Service at 1:00 p.m. PRRU=MVRD BHL=NEW CONFIDENTIAL							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

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

Environmental Analyst

11/19/2007

Title

Date

RECEIVED

NOV 19 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

tfallang
CONFIDENTIAL

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

COPY

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-79668

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear / UTU-79487

2. Name of Operator
Bill Barrett Corporation

8. Well Name and No.
Prickly Pear Unit Federal 6-18D-12-15

3a. Address
1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. (include area code)
303-312-8134

9. API Well No.
43-007-31317

10. Field and Pool or Exploratory Area
Undesignated/Wasatch-Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW, 533' FNL, 586' FWL
Sec. 18, T12S-R15E

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change in bottom hole</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This sundry is being submitted as notification that plans for this well have changed as follows:

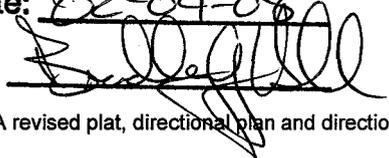
Previous Bottom Hole: 1982' FNL, 1448' FWL
New Bottom Hole: 1981' FNL, 1784' FWL
Revised Tops:

	MD	TVD
Wasatch	3071'	2900'
North Horn	5280	4830'
Dark Canyon	7027'	6570'
Price River	7278'	6820'

561662X 39.775548
4402884Y -110.279993

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 02-04-08

By: 

The new bottom hole falls within the same qtr/qtr and no additional changes to the drilling plan are proposed. A revised plat, directional plan and directional letter (DOGMA requirement) are attached.

If you have any questions or need further information, please contact me at the number above.

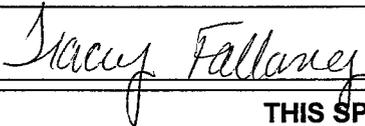
Federal Approval of this Action is Necessary

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature



Date

1/30/08

COPY SENT TO OPERATOR

Date: 2-5-2008

Initials: KS

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

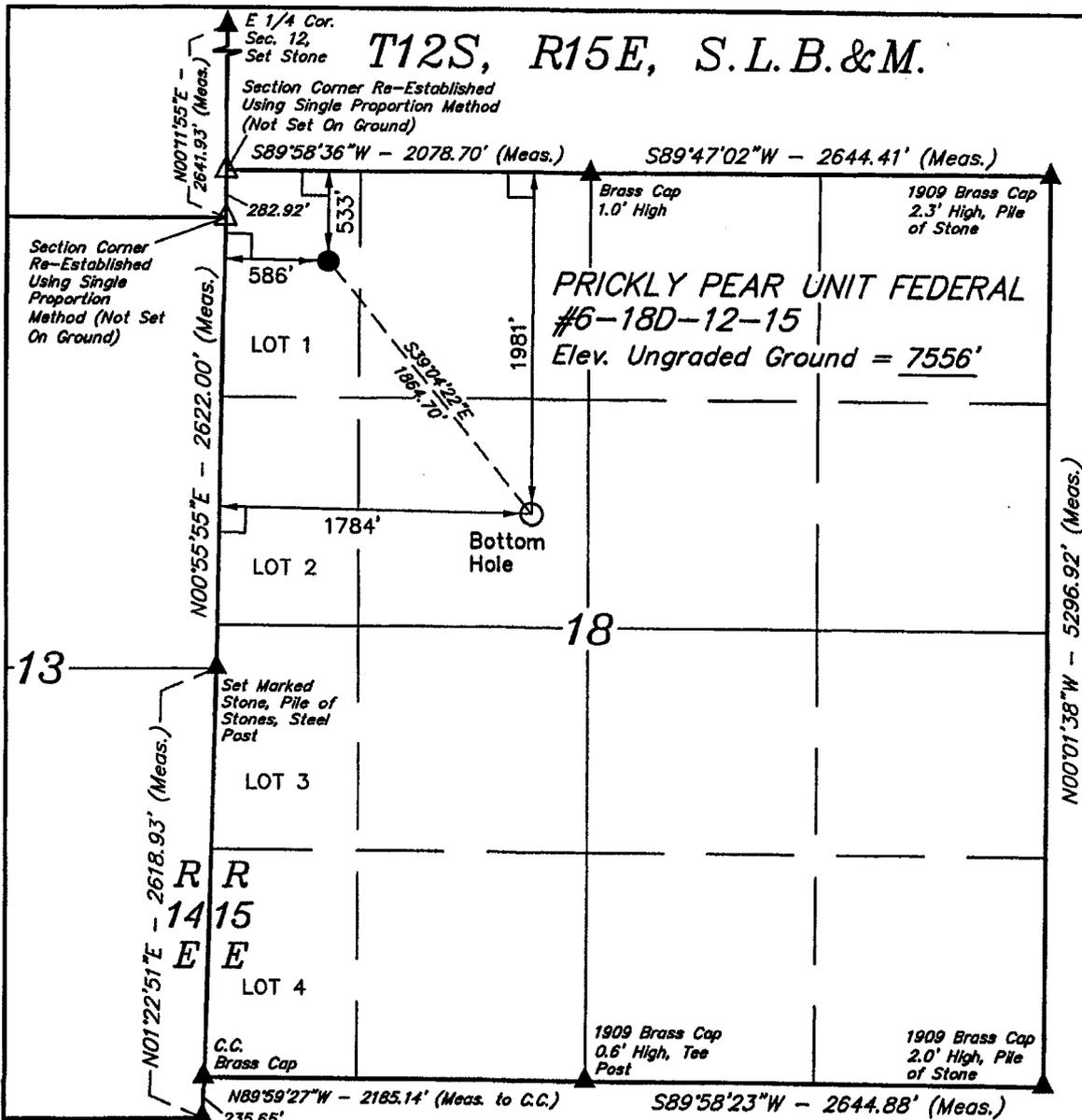
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

FEB 01 2008

DIV. OF OIL, GAS & MINING

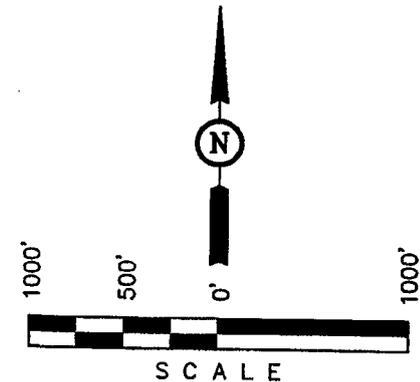


BILL BARRETT CORPORATION

Well location, PRICKLY PEAR UNIT FEDERAL #6-18D-12-15, located as shown in LOT 1 of Section 18, T12S, R15E, S.L.B.&M., Carbon County, Utah.

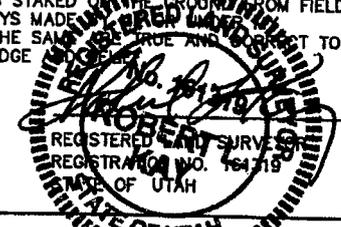
BASIS OF ELEVATION

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED AND LOCATION AS SHOWN WAS STAKED ON THE GROUND FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY SUPERVISION AND THAT THE SAID PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE



REVISED: 1-17-08 C.G.
REVISED: 1-09-08 C.G.

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

LEGEND:

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

BASIS OF BEARINGS

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°46'31.84" (39.775511)	LATITUDE = 39°46'46.13" (39.779481)
LONGITUDE = 110°16'50.10" (110.280583)	LONGITUDE = 110°17'05.17" (110.284769)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°46'31.97" (39.775547)	LATITUDE = 39°46'46.26" (39.779517)
LONGITUDE = 110°16'47.54" (110.279872)	LONGITUDE = 110°17'02.61" (110.284058)
STATE PLANE NAD 27 N: 527630.38 E: 2342915.07	STATE PLANE NAD 27 N: 529059.97 E: 2341719.08

SCALE 1" = 1000'	DATE SURVEYED: 07-06-07	DATE DRAWN: 07-16-07
PARTY D.R. K.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	



January 23, 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 Federal #6-18D-12-15
SHL: 533' FNL & 586' FWL, LOT 1 (NWNW) 18-T12S-R15E
BHL: 1981' FNL & 1784' FWL, SENW 18-T12S-R15E
Carbon County, Utah

Dear Ms. Mason:

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

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

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,

A handwritten signature in black ink, appearing to read 'Doug Gundry-White', written over a white background.

Doug Gundry-White
Senior Landman

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



BILL BARRETT CORPORATION
Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well PRICKLY PEAR UF #6-18D-12-15
Company:	BILL BARRETT CORP	TVD Reference:	SITE @ 7569.10ft (Original Site Elev)
Project:	CARBON COUNTY, UT (NAD 27)	MD Reference:	SITE @ 7569.10ft (Original Site Elev)
Site:	PRICKLY PEAR 4-18 PAD	North Reference:	True
Well:	PRICKLY PEAR UF #6-18D-12-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	1		
Design:	Plan #2		

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		

Site	PRICKLY PEAR 4-18 PAD, SECTION 18 T12S R15E				
Site Position:		Northing:	529,045.479 ft	Latitude:	39° 46' 46.120 N
From:	Lat/Long	Easting:	2,341,690.300 ft	Longitude:	110° 17' 2.9800 W
Position Uncertainty:	0.00 ft	Slot Radius:	0"	Grid Convergence:	0.78 °

Well	PRICKLY PEAR UF #6-18D-12-15, 533' FNL, 586' FWL					
Well Position	+N/-S	14.14 ft	Northing:	529,060.008 ft	Latitude:	39° 46' 46.260 N
	+E/-W	28.88 ft	Easting:	2,341,718.990 ft	Longitude:	110° 17' 2.6100 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	7,554.10 ft

Wellbore	1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	1/28/2008	11.80	65.62	52,403

Design	Plan #2				
Audit Notes:					
Version:	1	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	140.86	

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	
2,306.76	31.17	140.86	2,246.17	-256.60	208.82	2.50	2.50	0.00	140.86	
4,629.76	31.17	140.86	4,233.83	-1,189.13	967.71	0.00	0.00	0.00	0.00	
5,876.52	0.00	0.00	5,420.00	-1,445.73	1,176.54	2.50	-2.50	0.00	180.00	
7,906.52	0.00	0.00	7,450.00	-1,445.73	1,176.54	0.00	0.00	0.00	0.00	PBHL_6-18D

Database: Compass
Company: BILL BARRETT CORP
Project: CARBON COUNTY, UT (NAD 27)
Site: PRICKLY PEAR 4-18 PAD
Well: PRICKLY PEAR UF #6-18D-12-15
Wellbore: 1
Design: Plan #2

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well PRICKLY PEAR UF #6-18D-12-15
 SITE @ 7569.10ft (Original Site Elev)
 SITE @ 7569.10ft (Original Site Elev)
 True
 Minimum Curvature

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)	
1,060.00	0.00	0.00	1,060.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 2.50										
1,100.00	1.00	140.86	1,100.00	-0.27	0.22	0.35	2.50	2.50	0.00	
1,200.00	3.50	140.86	1,199.91	-3.32	2.70	4.27	2.50	2.50	0.00	
1,300.00	6.00	140.86	1,299.56	-9.74	7.92	12.55	2.50	2.50	0.00	
1,400.00	8.50	140.86	1,398.75	-19.53	15.89	25.17	2.50	2.50	0.00	
1,500.00	11.00	140.86	1,497.30	-32.66	26.58	42.11	2.50	2.50	0.00	
1,600.00	13.50	140.86	1,595.02	-49.11	39.97	63.32	2.50	2.50	0.00	
1,700.00	16.00	140.86	1,691.71	-68.86	56.04	88.78	2.50	2.50	0.00	
1,800.00	18.50	140.86	1,787.21	-91.86	74.76	118.43	2.50	2.50	0.00	
1,900.00	21.00	140.86	1,881.32	-118.07	96.08	152.22	2.50	2.50	0.00	
2,000.00	23.50	140.86	1,973.87	-147.43	119.98	190.08	2.50	2.50	0.00	
2,100.00	26.00	140.86	2,064.67	-179.90	146.40	231.95	2.50	2.50	0.00	
2,200.00	28.50	140.86	2,153.57	-215.41	175.30	277.73	2.50	2.50	0.00	
2,300.00	31.00	140.86	2,240.38	-253.90	206.62	327.35	2.50	2.50	0.00	
2,306.76	31.17	140.86	2,246.17	-256.60	208.82	330.84	2.50	2.50	0.00	
Start 2323.00 hold at 2306.76 MD										
2,400.00	31.17	140.86	2,325.95	-294.03	239.29	379.10	0.00	0.00	0.00	
2,500.00	31.17	140.86	2,411.51	-334.18	271.95	430.85	0.00	0.00	0.00	
2,600.00	31.17	140.86	2,497.08	-374.32	304.62	482.61	0.00	0.00	0.00	
2,700.00	31.17	140.86	2,582.64	-414.46	337.29	534.36	0.00	0.00	0.00	
2,800.00	31.17	140.86	2,668.21	-454.61	369.96	586.12	0.00	0.00	0.00	
2,900.00	31.17	140.86	2,753.77	-494.75	402.63	637.88	0.00	0.00	0.00	
3,000.00	31.17	140.86	2,839.34	-534.89	435.30	689.63	0.00	0.00	0.00	
3,070.90	31.17	140.86	2,900.00	-563.35	458.46	726.33	0.00	0.00	0.00	
WASATCH										
3,100.00	31.17	140.86	2,924.90	-575.04	467.96	741.39	0.00	0.00	0.00	
3,200.00	31.17	140.86	3,010.47	-615.18	500.63	793.15	0.00	0.00	0.00	
3,300.00	31.17	140.86	3,096.03	-655.32	533.30	844.90	0.00	0.00	0.00	
3,400.00	31.17	140.86	3,181.60	-695.47	565.97	896.66	0.00	0.00	0.00	
3,500.00	31.17	140.86	3,267.16	-735.61	598.64	948.41	0.00	0.00	0.00	
3,600.00	31.17	140.86	3,352.72	-775.75	631.31	1,000.17	0.00	0.00	0.00	
3,700.00	31.17	140.86	3,438.29	-815.90	663.98	1,051.93	0.00	0.00	0.00	
3,800.00	31.17	140.86	3,523.85	-856.04	696.64	1,103.68	0.00	0.00	0.00	
3,900.00	31.17	140.86	3,609.42	-896.18	729.31	1,155.44	0.00	0.00	0.00	
4,000.00	31.17	140.86	3,694.98	-936.33	761.98	1,207.20	0.00	0.00	0.00	
4,100.00	31.17	140.86	3,780.55	-976.47	794.65	1,258.95	0.00	0.00	0.00	
4,200.00	31.17	140.86	3,866.11	-1,016.61	827.32	1,310.71	0.00	0.00	0.00	
4,300.00	31.17	140.86	3,951.68	-1,056.76	859.99	1,362.46	0.00	0.00	0.00	
4,400.00	31.17	140.86	4,037.24	-1,096.90	892.66	1,414.22	0.00	0.00	0.00	
4,500.00	31.17	140.86	4,122.81	-1,137.04	925.32	1,465.98	0.00	0.00	0.00	
4,600.00	31.17	140.86	4,208.37	-1,177.18	957.99	1,517.73	0.00	0.00	0.00	
4,629.76	31.17	140.86	4,233.83	-1,189.13	967.71	1,533.13	0.00	0.00	0.00	
Start Drop -2.50										
4,700.00	29.41	140.86	4,294.48	-1,216.61	990.08	1,568.56	2.50	-2.50	0.00	
4,800.00	26.91	140.86	4,382.64	-1,253.21	1,019.87	1,615.76	2.50	-2.50	0.00	
4,900.00	24.41	140.86	4,472.76	-1,286.80	1,047.20	1,659.06	2.50	-2.50	0.00	
5,000.00	21.91	140.86	4,564.70	-1,317.31	1,072.03	1,698.39	2.50	-2.50	0.00	
5,100.00	19.41	140.86	4,658.26	-1,344.67	1,094.30	1,733.68	2.50	-2.50	0.00	
5,200.00	16.91	140.86	4,753.27	-1,368.85	1,113.97	1,764.85	2.50	-2.50	0.00	
5,279.80	14.92	140.86	4,830.00	-1,385.82	1,127.78	1,786.73	2.50	-2.50	0.00	
NORTH HORN										
5,300.00	14.41	140.86	4,849.55	-1,389.79	1,131.01	1,791.84	2.50	-2.50	0.00	
5,400.00	11.91	140.86	4,946.91	-1,407.45	1,145.38	1,814.61	2.50	-2.50	0.00	

Database:	Compass	Local Co-ordinate Reference:	Well PRICKLY PEAR UF #6-18D-12-15
Company:	BILL BARRETT CORP	TVD Reference:	SITE @ 7569.10ft (Original Site Elev)
Project:	CARBON COUNTY, UT (NAD 27)	MD Reference:	SITE @ 7569.10ft (Original Site Elev)
Site:	PRICKLY PEAR 4-18 PAD	North Reference:	True
Well:	PRICKLY PEAR UF #6-18D-12-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	1		
Design:	Plan #2		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,500.00	9.41	140.86	5,045.18	-1,421.80	1,157.06	1,833.11	2.50	-2.50	0.00
5,600.00	6.91	140.86	5,144.15	-1,432.81	1,166.02	1,847.31	2.50	-2.50	0.00
5,700.00	4.41	140.86	5,243.66	-1,440.46	1,172.25	1,857.18	2.50	-2.50	0.00
5,800.00	1.91	140.86	5,343.50	-1,444.74	1,175.73	1,862.70	2.50	-2.50	0.00
5,876.52	0.00	0.00	5,420.00	-1,445.73	1,176.54	1,863.97	2.50	-2.50	0.00
Start 2030.00 hold at 5876.52 MD									
5,900.00	0.00	0.00	5,443.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,000.00	0.00	0.00	5,543.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,100.00	0.00	0.00	5,643.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,200.00	0.00	0.00	5,743.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,300.00	0.00	0.00	5,843.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,400.00	0.00	0.00	5,943.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,500.00	0.00	0.00	6,043.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,600.00	0.00	0.00	6,143.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,700.00	0.00	0.00	6,243.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,800.00	0.00	0.00	6,343.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
6,900.00	0.00	0.00	6,443.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,000.00	0.00	0.00	6,543.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,026.52	0.00	0.00	6,570.00	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
DARK CANYON									
7,100.00	0.00	0.00	6,643.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,200.00	0.00	0.00	6,743.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,276.52	0.00	0.00	6,820.00	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
PRICE RIVER									
7,300.00	0.00	0.00	6,843.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,400.00	0.00	0.00	6,943.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,500.00	0.00	0.00	7,043.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,600.00	0.00	0.00	7,143.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,700.00	0.00	0.00	7,243.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,800.00	0.00	0.00	7,343.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,900.00	0.00	0.00	7,443.48	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
7,906.52	0.00	0.00	7,450.00	-1,445.73	1,176.54	1,863.97	0.00	0.00	0.00
TD at 7906.52 - PBHL_6-18D									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
1,000.00	1,000.00	CASING PT.	0	0

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,070.90	2,900.00	WASATCH		0.00	0.00
5,279.80	4,830.00	NORTH HORN		0.00	0.00
7,026.52	6,570.00	DARK CANYON		0.00	0.00
7,276.52	6,820.00	PRICE RIVER		0.00	0.00

Database:	Compass	Local Co-ordinate Reference:	Well PRICKLY PEAR UF #6-18D-12-15
Company:	BILL BARRETT CORP	TVD Reference:	SITE @ 7569.10ft (Original Site Elev)
Project:	CARBON COUNTY, UT (NAD 27)	MD Reference:	SITE @ 7569.10ft (Original Site Elev)
Site:	PRICKLY PEAR 4-18 PAD	North Reference:	True
Well:	PRICKLY PEAR UF #6-18D-12-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	1		
Design:	Plan #2		

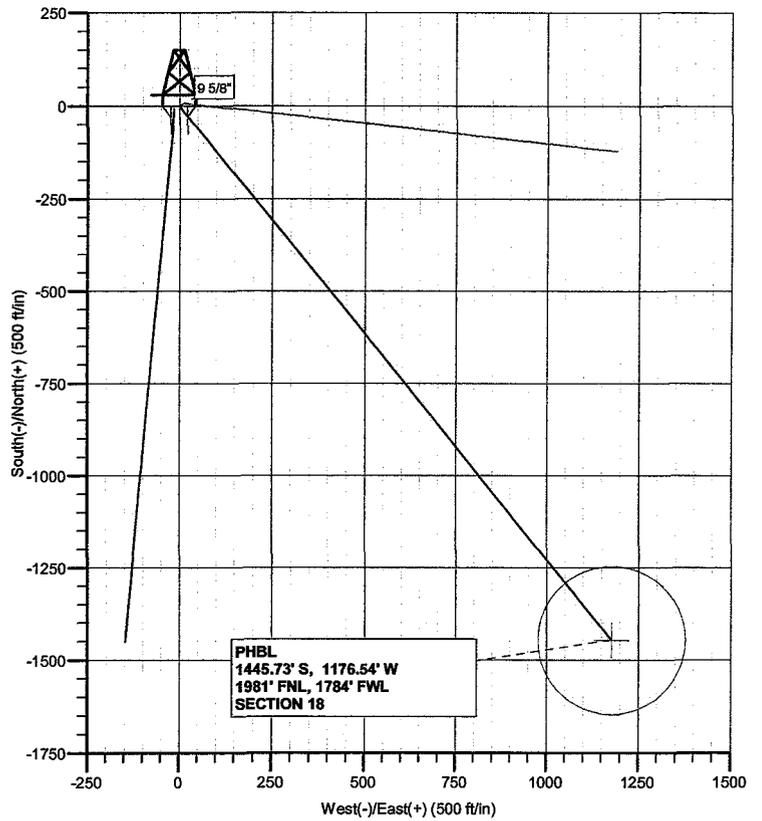
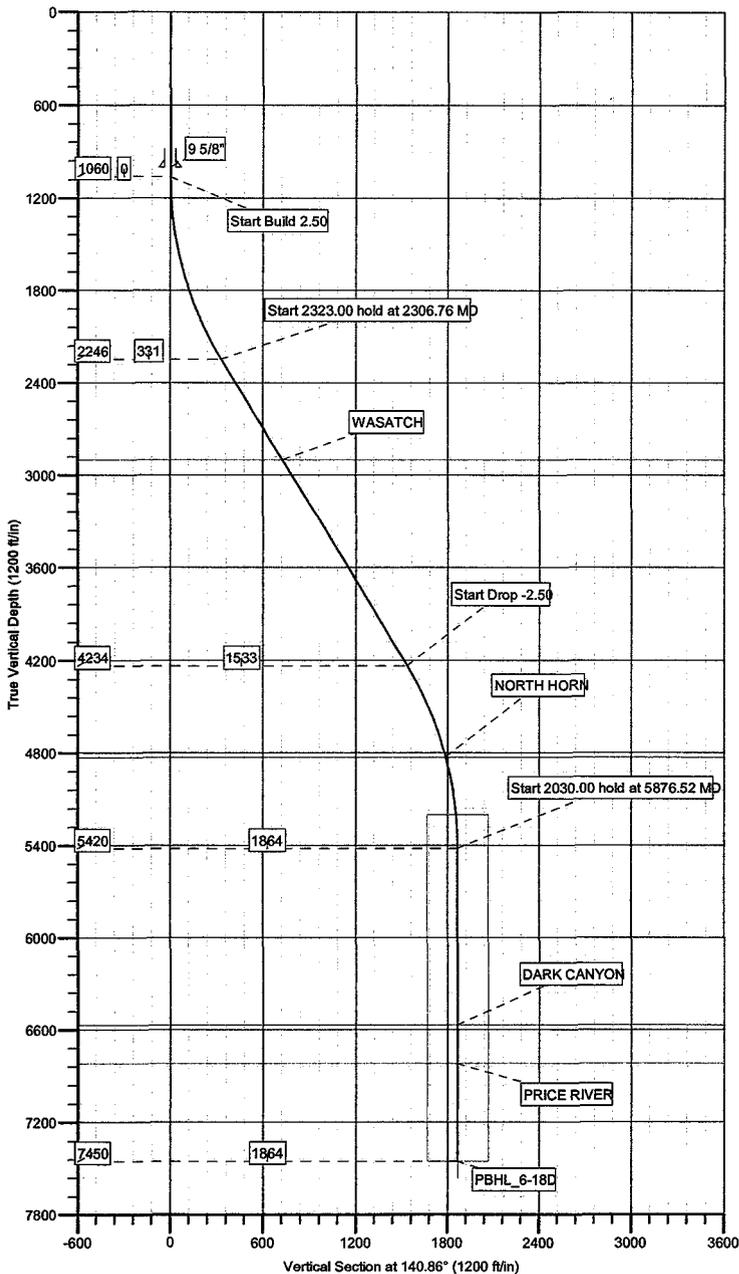
Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,060.00	1,060.00	0.00	0.00	Start Build 2.50
2,306.76	2,246.17	-256.60	208.82	Start 2323.00 hold at 2306.76 MD
4,629.76	4,233.83	-1,189.13	967.71	Start Drop -2.50
5,876.52	5,420.00	-1,445.73	1,176.54	Start 2030.00 hold at 5876.52 MD
7,906.52	7,450.00	-1,445.73	1,176.54	TD at 7906.52

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1060.00	0.00	0.00	1060.00	0.00	0.00	0.00	0.00	0.00	
3	2306.76	31.17	140.86	2246.17	-256.60	208.82	2.50	140.86	330.84	
4	4629.76	31.17	140.86	4233.83	-1189.13	967.71	0.00	0.00	1533.13	
5	5876.52	0.00	0.00	5420.00	-1445.73	1176.54	2.50	180.00	1863.97	
6	7806.52	0.00	0.00	7450.00	-1445.73	1176.54	0.00	0.00	1863.97	PBHL_6-18D

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)									
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL_6-18D	7450.00	-1445.73	1176.54	527630.404	2342915.071	39° 46' 31.970 N	101° 16' 47.5400 W	Circle (Radius: 200.00)	

KB ELEV: SITE @ 7569.10ft (Original Site Elev)
 GRD ELEV: 7554.10



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2900.00	3070.90	WASATCH
4830.00	5279.80	NORTH HORN
6570.00	7026.52	DARK CANYON
6820.00	7276.52	PRICE RIVER



Bill Barrett Corporation

BILL BARRETT CORP

CARBON COUNTY, UT (NAD 27)

PRICKLY PEAR 4-18 PAD

PRICKLY PEAR UF #6-18D-12-15

1

Plan #2

Anticollision Report

28 January, 2008



BILL BARRETT CORPORATION

Anticollision Report

Company: BILL BARRETT CORP	Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
Project: CARBON COUNTY, UT (NAD 27)	TVD Reference: SITE @ 7569.10ft (Original Site Elev)
Reference Site: PRICKLY PEAR 4-18 PAD	MD Reference: SITE @ 7569.10ft (Original Site Elev)
Site Error: 0.00ft	North Reference: True
Reference Well: PRICKLY PEAR UF #6-18D-12-15	Survey Calculation Method: Minimum Curvature
Well Error: 0.00ft	Output errors are at: 2.00 sigma
Reference Wellbore: 1	Database: Compass
Reference Design: Plan #2	Offset TVD Reference: Offset Datum

Reference Plan #2	
Filter type: NO GLOBAL FILTER: Using user defined selection & filtering criteria	
Interpolation Method: MD + Stations Interval 100.00ft	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			
	1/28/2008			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	7,906.52	Plan #2 (1)	MWD	MWD - Standard

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
PRICKLY PEAR 4-18 PAD						
PRICKLY PEAR UF #3-18D-12-15 - 1 - Plan #2	1,060.00	1,060.00	15.74	11.23	3.493	CC, ES
PRICKLY PEAR UF #3-18D-12-15 - 1 - Plan #2	1,100.00	1,099.77	15.96	11.29	3.418	SF
PRICKLY PEAR UF #4-18-12-15 - 1 - Plan #2	1,060.00	1,060.00	32.16	27.65	7.136	CC
PRICKLY PEAR UF #4-18-12-15 - 1 - Plan #2	1,100.00	1,100.00	32.24	27.57	6.895	ES
PRICKLY PEAR UF #4-18-12-15 - 1 - Plan #2	1,200.00	1,199.91	33.39	28.31	6.574	SF
PRICKLY PEAR UF #5-18D-12-15 - 1 - Plan #2	1,060.00	1,060.00	16.44	11.93	3.647	CC, ES
PRICKLY PEAR UF #5-18D-12-15 - 1 - Plan #2	1,100.00	1,099.85	16.70	12.03	3.580	SF

Offset Design PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #3-18D-12-15 - 1 - Plan #2												Offset Site Error: 0.00 ft	
Survey Program: 0-MWD												Offset Well Error: 0.00 ft	
Reference Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+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	63.22	7.09	14.05	15.74				
100.00	100.00	100.00	100.00	0.10	0.10	63.22	7.09	14.05	15.74	15.55	0.19	82.386	
200.00	200.00	200.00	200.00	0.32	0.32	63.22	7.09	14.05	15.74	15.10	0.64	24.571	
300.00	300.00	300.00	300.00	0.55	0.55	63.22	7.09	14.05	15.74	14.65	1.09	14.439	
400.00	400.00	400.00	400.00	0.77	0.77	63.22	7.09	14.05	15.74	14.20	1.54	10.223	
500.00	500.00	500.00	500.00	0.99	0.99	63.22	7.09	14.05	15.74	13.75	1.99	7.913	
600.00	600.00	600.00	600.00	1.22	1.22	63.22	7.09	14.05	15.74	13.30	2.44	6.454	
700.00	700.00	700.00	700.00	1.44	1.44	63.22	7.09	14.05	15.74	12.85	2.89	5.450	
800.00	800.00	800.00	800.00	1.67	1.67	63.22	7.09	14.05	15.74	12.40	3.34	4.716	
900.00	900.00	900.00	900.00	1.89	1.89	63.22	7.09	14.05	15.74	11.95	3.79	4.156	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	63.22	7.09	14.05	15.74	11.50	4.24	3.715	
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	63.22	7.09	14.05	15.74	11.23	4.51	3.493	CC, ES
1,100.00	1,100.00	1,099.77	1,099.77	2.33	2.34	-78.18	7.05	14.40	15.96	11.29	4.67	3.418	SF
1,200.00	1,199.91	1,199.12	1,199.04	2.51	2.53	-83.32	6.63	18.25	18.48	13.44	5.04	3.664	
1,300.00	1,299.56	1,298.25	1,297.83	2.71	2.74	-90.47	5.75	26.35	24.13	18.69	5.44	4.434	
1,400.00	1,398.75	1,397.00	1,395.79	2.93	2.98	-96.48	4.41	38.64	33.15	27.28	5.87	5.646	
1,500.00	1,497.30	1,495.22	1,492.61	3.18	3.24	-100.67	2.62	55.01	45.55	39.20	6.34	7.180	
1,600.00	1,595.02	1,592.75	1,587.97	3.50	3.55	-103.41	0.40	75.33	61.25	54.37	6.87	8.910	
1,700.00	1,691.71	1,689.48	1,681.59	3.87	3.92	-105.18	-2.24	99.45	80.16	72.68	7.48	10.721	
1,800.00	1,787.21	1,785.39	1,773.34	4.33	4.35	-106.30	-5.27	127.21	102.18	94.02	8.16	12.516	
1,900.00	1,881.32	1,882.33	1,865.55	4.88	4.85	-108.00	-8.52	156.95	126.31	117.37	8.94	14.126	

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



BILL BARRETT CORPORATION

Anticollision Report

Company: BILL BARRETT CORP
Project: CARBON COUNTY, UT (NAD 27)
Reference Site: PRICKLY PEAR 4-18 PAD
Site Error: 0.00ft
Reference Well: PRICKLY PEAR UF #6-18D-12-15
Well Error: 0.00ft
Reference Wellbore: 1
Reference Design: Plan #2

Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
TVD Reference: SITE @ 7569.10ft (Original Site Elev)
MD Reference: SITE @ 7569.10ft (Original Site Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Compass
Offset TVD Reference: Offset Datum

PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #3-18D-12-15 - 1 - Plan #2													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Tooface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,000.00	1,973.87	1,978.67	1,957.19	5.52	5.37	-110.51	-11.75	186.51	152.03	142.25	9.79	15.535		
2,100.00	2,064.67	2,074.24	2,048.09	6.25	5.90	-113.39	-14.95	215.83	179.73	169.05	10.68	16.833		
2,200.00	2,153.57	2,168.85	2,138.08	7.09	6.45	-116.38	-18.13	244.86	209.76	198.17	11.59	18.091		
2,300.00	2,240.38	2,262.33	2,226.99	8.02	7.00	-119.31	-21.26	273.54	242.44	229.92	12.52	19.366		
2,306.76	2,246.17	2,268.60	2,232.96	8.09	7.04	-119.50	-21.47	275.46	244.75	232.17	12.58	19.458		
2,400.00	2,325.95	2,355.09	2,315.23	9.02	7.56	-122.52	-24.37	302.00	277.07	263.62	13.45	20.597		
2,500.00	2,411.51	2,447.84	2,403.45	10.04	8.12	-125.07	-27.48	330.46	312.33	297.95	14.38	21.717		
2,600.00	2,497.08	2,540.60	2,491.68	11.08	8.69	-127.11	-30.59	358.91	348.04	332.73	15.31	22.736		
2,700.00	2,582.64	2,633.35	2,579.91	12.13	9.26	-128.77	-33.70	387.37	384.06	367.83	16.23	23.661		
2,800.00	2,668.21	2,726.11	2,668.14	13.19	9.83	-130.15	-36.81	415.83	420.31	403.16	17.15	24.503		
2,900.00	2,753.77	2,818.86	2,756.36	14.26	10.41	-131.31	-39.91	444.29	456.75	438.67	18.07	25.270		
3,000.00	2,839.34	2,911.62	2,844.59	15.33	11.00	-132.30	-43.02	472.75	493.32	474.33	19.00	25.970		
3,100.00	2,924.90	3,004.38	2,932.82	16.41	11.58	-133.15	-46.13	501.21	530.01	510.09	19.92	26.610		
3,200.00	3,010.47	3,097.13	3,021.05	17.49	12.17	-133.90	-49.24	529.66	566.78	545.94	20.84	27.199		
3,300.00	3,096.03	3,189.89	3,109.27	18.57	12.76	-134.55	-52.35	558.12	603.63	581.87	21.76	27.740		
3,400.00	3,181.60	3,282.64	3,197.50	19.66	13.35	-135.13	-55.46	586.58	640.54	617.85	22.68	28.240		
3,500.00	3,267.16	3,375.40	3,285.73	20.75	13.94	-135.64	-58.57	615.04	677.49	653.89	23.60	28.702		
3,600.00	3,352.72	3,468.16	3,373.96	21.84	14.53	-136.11	-61.68	643.50	714.49	689.97	24.53	29.131		
3,700.00	3,438.29	3,560.91	3,462.19	22.93	15.12	-136.52	-64.79	671.95	751.53	726.08	25.45	29.530		
3,800.00	3,523.85	3,653.67	3,550.41	24.02	15.72	-136.90	-67.90	700.41	788.60	762.23	26.37	29.902		
3,900.00	3,609.42	3,746.42	3,638.64	25.12	16.31	-137.25	-71.01	728.87	825.69	798.40	27.30	30.250		
4,000.00	3,694.98	3,839.18	3,726.87	26.21	16.90	-137.56	-74.12	757.33	862.81	834.59	28.22	30.575		
4,100.00	3,780.55	3,931.94	3,815.10	27.31	17.50	-137.85	-77.22	785.79	899.95	870.81	29.14	30.880		
4,200.00	3,866.11	4,024.69	3,903.32	28.41	18.10	-138.11	-80.33	814.24	937.11	907.04	30.07	31.166		
4,300.00	3,951.68	4,117.45	3,991.55	29.50	18.69	-138.36	-83.44	842.70	974.28	943.29	30.99	31.436		
4,400.00	4,037.24	4,210.20	4,079.78	30.60	19.29	-138.59	-86.55	871.16	1,011.47	979.55	31.92	31.690		
4,500.00	4,122.81	4,302.96	4,168.01	31.70	19.89	-138.80	-89.66	899.62	1,048.67	1,015.83	32.84	31.930		
4,600.00	4,208.37	4,395.72	4,256.23	32.80	20.49	-139.00	-92.77	928.08	1,085.88	1,052.11	33.77	32.157		
4,629.76	4,233.83	4,423.32	4,282.49	33.13	20.67	-139.05	-93.70	936.55	1,096.96	1,062.91	34.04	32.222		
4,700.00	4,294.48	4,488.79	4,344.76	33.81	21.09	-139.59	-95.89	956.63	1,122.34	1,087.70	34.64	32.399		
4,800.00	4,382.64	4,583.01	4,434.38	34.62	21.70	-140.15	-99.05	985.54	1,155.83	1,120.37	35.46	32.594		
4,900.00	4,472.76	4,678.25	4,524.97	35.36	22.31	-140.51	-102.24	1,014.76	1,186.15	1,149.81	36.34	32.641		
5,000.00	4,564.70	4,774.33	4,616.37	36.04	22.93	-140.68	-105.46	1,044.24	1,213.26	1,176.00	37.27	32.555		
5,100.00	4,658.26	4,871.07	4,708.39	36.64	23.56	-140.67	-108.71	1,073.92	1,237.15	1,198.91	38.24	32.348		
5,200.00	4,753.27	4,963.08	4,796.29	37.18	24.03	-140.59	-111.66	1,100.92	1,258.00	1,218.93	39.06	32.203		
5,300.00	4,849.55	5,054.95	4,885.06	37.64	24.43	-140.52	-114.22	1,124.41	1,276.08	1,236.32	39.75	32.099		
5,400.00	4,946.91	5,147.59	4,975.46	38.04	24.78	-140.46	-116.42	1,144.49	1,291.35	1,251.01	40.34	32.008		
5,500.00	5,045.18	5,240.87	5,067.24	38.36	25.08	-140.41	-118.22	1,161.03	1,303.77	1,262.94	40.83	31.930		
5,600.00	5,144.15	5,334.67	5,160.14	38.62	25.33	-140.37	-119.63	1,173.90	1,313.30	1,272.08	41.22	31.860		
5,700.00	5,243.66	5,428.87	5,253.88	38.81	25.53	-140.33	-120.62	1,183.01	1,319.92	1,278.41	41.51	31.797		
5,800.00	5,343.50	5,523.33	5,348.19	38.95	25.67	-140.31	-121.20	1,188.30	1,323.61	1,280.68	42.93	30.829		
5,876.52	5,420.00	5,595.70	5,420.54	39.01	25.75	0.57	-121.36	1,189.73	1,324.44	1,271.04	53.40	24.803		
5,890.15	5,433.63	5,608.79	5,433.63	39.02	25.77	0.57	-121.36	1,189.75	1,324.44	1,281.39	43.05	30.766		
5,900.00	5,443.48	5,618.64	5,443.48	39.02	25.78	0.57	-121.36	1,189.75	1,324.44	1,281.37	43.07	30.750		
6,000.00	5,543.48	5,718.64	5,543.48	39.08	25.87	0.57	-121.36	1,189.75	1,324.44	1,281.14	43.30	30.588		
6,100.00	5,643.48	5,818.64	5,643.48	39.14	25.97	0.57	-121.36	1,189.75	1,324.44	1,280.91	43.53	30.422		
6,200.00	5,743.48	5,918.64	5,743.48	39.20	26.07	0.57	-121.36	1,189.75	1,324.44	1,280.67	43.77	30.256		
6,300.00	5,843.48	6,018.64	5,843.48	39.27	26.18	0.57	-121.36	1,189.75	1,324.44	1,280.42	44.02	30.089		
6,400.00	5,943.48	6,118.64	5,943.48	39.33	26.28	0.57	-121.36	1,189.75	1,324.44	1,280.18	44.26	29.921		
6,500.00	6,043.48	6,218.64	6,043.48	39.40	26.39	0.57	-121.36	1,189.75	1,324.44	1,279.93	44.51	29.754		
6,600.00	6,143.48	6,318.64	6,143.48	39.47	26.50	0.57	-121.36	1,189.75	1,324.44	1,279.67	44.77	29.586		
6,700.00	6,243.48	6,418.64	6,243.48	39.53	26.61	0.57	-121.36	1,189.75	1,324.44	1,279.42	45.02	29.418		

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



BILL BARRETT CORPORATION

Anticollision Report

Company: BILL BARRETT CORP
Project: CARBON COUNTY, UT (NAD 27)
Reference Site: PRICKLY PEAR 4-18 PAD
Site Error: 0.00ft
Reference Well: PRICKLY PEAR UF #6-18D-12-15
Well Error: 0.00ft
Reference Wellbore: 1
Reference Design: Plan #2

Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
TVD Reference: SITE @ 7569.10ft (Original Site Elev)
MD Reference: SITE @ 7569.10ft (Original Site Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Compass
Offset TVD Reference: Offset Datum

Offset Design													Offset Site Error:
PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #3-18D-12-15 - 1 - Plan #2													0.00 ft
Survey Program: 0-MWD													Offset Well Error:
													0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (ft)	+E/W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
6,800.00	6,343.48	6,518.64	6,343.48	39.60	26.72	0.57	-121.36	1,189.75	1,324.44	1,279.16	45.28	29.250	
6,900.00	6,443.48	6,618.64	6,443.48	39.67	26.83	0.57	-121.36	1,189.75	1,324.44	1,278.90	45.54	29.082	
7,000.00	6,543.48	6,718.64	6,543.48	39.74	26.95	0.57	-121.36	1,189.75	1,324.44	1,278.63	45.81	28.914	
7,100.00	6,643.48	6,818.64	6,643.48	39.82	27.06	0.57	-121.36	1,189.75	1,324.44	1,278.37	46.07	28.746	
7,200.00	6,743.48	6,918.64	6,743.48	39.89	27.18	0.57	-121.36	1,189.75	1,324.44	1,278.10	46.34	28.579	
7,300.00	6,843.48	7,018.64	6,843.48	39.97	27.30	0.57	-121.36	1,189.75	1,324.44	1,277.82	46.62	28.411	
7,400.00	6,943.48	7,118.64	6,943.48	40.04	27.42	0.57	-121.36	1,189.75	1,324.44	1,277.55	46.89	28.244	
7,500.00	7,043.48	7,218.64	7,043.48	40.12	27.54	0.57	-121.36	1,189.75	1,324.44	1,277.27	47.17	28.078	
7,600.00	7,143.48	7,318.64	7,143.48	40.20	27.66	0.57	-121.36	1,189.75	1,324.44	1,276.99	47.45	27.912	
7,700.00	7,243.48	7,418.64	7,243.48	40.28	27.78	0.57	-121.36	1,189.75	1,324.44	1,276.71	47.73	27.746	
7,800.00	7,343.48	7,518.64	7,343.48	40.36	27.91	0.57	-121.36	1,189.75	1,324.44	1,276.42	48.02	27.581	
7,900.00	7,443.48	7,618.64	7,443.48	40.44	28.03	0.57	-121.36	1,189.75	1,324.44	1,276.13	48.31	27.416	
7,906.52	7,450.00	7,625.16	7,450.00	40.44	28.04	0.57	-121.36	1,189.75	1,324.44	1,276.11	48.33	27.405	

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

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PRICKLY PEAR UF #6-18D-12-15
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	SITE @ 7569.10ft (Original Site Elev)
Reference Site:	PRICKLY PEAR 4-18 PAD	MD Reference:	SITE @ 7569.10ft (Original Site Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PRICKLY PEAR UF #6-18D-12-15	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	1	Database:	Compass
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #4-18-12-15 - 1 - Plan #2													Offset Site Error:	0.00 ft
Survey Program: O-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance		Minimum Separation		Separation Factor		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (ft)	+E-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-116.09	-14.14	-28.88	32.16					
100.00	100.00	100.00	100.00	0.10	0.10	-116.09	-14.14	-28.88	32.16	31.97	0.19	168.337		
200.00	200.00	200.00	200.00	0.32	0.32	-116.09	-14.14	-28.88	32.16	31.52	0.64	50.206		
300.00	300.00	300.00	300.00	0.55	0.55	-116.09	-14.14	-28.88	32.16	31.07	1.09	29.502		
400.00	400.00	400.00	400.00	0.77	0.77	-116.09	-14.14	-28.88	32.16	30.62	1.54	20.889		
500.00	500.00	500.00	500.00	0.99	0.99	-116.09	-14.14	-28.88	32.16	30.17	1.99	16.168		
600.00	600.00	600.00	600.00	1.22	1.22	-116.09	-14.14	-28.88	32.16	29.72	2.44	13.188		
700.00	700.00	700.00	700.00	1.44	1.44	-116.09	-14.14	-28.88	32.16	29.27	2.89	11.135		
800.00	800.00	800.00	800.00	1.67	1.67	-116.09	-14.14	-28.88	32.16	28.82	3.34	9.635		
900.00	900.00	900.00	900.00	1.89	1.89	-116.09	-14.14	-28.88	32.16	28.37	3.79	8.492		
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-116.09	-14.14	-28.88	32.16	27.92	4.24	7.591		
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	-116.09	-14.14	-28.88	32.16	27.65	4.51	7.136	CC	
1,100.00	1,100.00	1,100.00	1,100.00	2.33	2.34	103.65	-14.14	-28.88	32.24	27.57	4.68	6.895	ES	
1,200.00	1,199.91	1,199.91	1,199.91	2.51	2.57	110.18	-14.14	-28.88	33.39	28.31	5.08	6.574	SF	
1,300.00	1,299.56	1,299.56	1,299.56	2.71	2.79	122.17	-14.14	-28.88	37.07	31.58	5.49	6.754		
1,400.00	1,398.75	1,398.75	1,398.75	2.93	3.01	135.68	-14.14	-28.88	45.10	39.20	5.90	7.642		
1,500.00	1,497.30	1,497.30	1,497.30	3.18	3.24	147.12	-14.14	-28.88	58.47	52.17	6.31	9.273		
1,600.00	1,595.02	1,595.02	1,595.02	3.50	3.46	155.46	-14.14	-28.88	77.23	70.53	6.70	11.525		
1,700.00	1,691.71	1,691.71	1,691.71	3.87	3.67	161.26	-14.14	-28.88	101.03	93.94	7.09	14.253		
1,800.00	1,787.21	1,787.21	1,787.21	4.33	3.89	165.27	-14.14	-28.88	129.54	122.07	7.47	17.343		
1,900.00	1,881.32	1,881.32	1,881.32	4.88	4.10	168.12	-14.14	-28.88	162.53	154.69	7.85	20.714		
2,000.00	1,973.87	1,973.87	1,973.87	5.52	4.31	170.18	-14.14	-28.88	199.82	191.60	8.22	24.309		
2,100.00	2,064.67	2,064.67	2,064.67	6.25	4.51	171.71	-14.14	-28.88	241.25	232.66	8.59	28.084		
2,200.00	2,153.57	2,153.57	2,153.57	7.09	4.71	172.87	-14.14	-28.88	286.71	277.75	8.96	32.004		
2,300.00	2,240.38	2,240.38	2,240.38	8.02	4.91	173.77	-14.14	-28.88	336.07	326.75	9.33	36.037		
2,306.76	2,246.17	2,246.17	2,246.17	8.09	4.92	173.82	-14.14	-28.88	339.55	330.20	9.35	36.318		
2,400.00	2,325.95	2,325.95	2,325.95	9.02	5.10	174.59	-14.14	-28.88	387.63	377.80	9.83	39.447		
2,500.00	2,411.51	2,411.51	2,411.51	10.04	5.29	175.22	-14.14	-28.88	439.23	428.88	10.35	42.438		
2,600.00	2,497.08	2,497.08	2,497.08	11.08	5.48	175.73	-14.14	-28.88	490.87	479.99	10.88	45.104		
2,700.00	2,582.64	2,582.64	2,582.64	12.13	5.68	176.13	-14.14	-28.88	542.53	531.11	11.42	47.489		
2,800.00	2,668.21	2,668.21	2,668.21	13.19	5.87	176.47	-14.14	-28.88	594.21	582.24	11.97	49.632		
2,900.00	2,753.77	2,753.77	2,753.77	14.26	6.06	176.75	-14.14	-28.88	645.90	633.37	12.53	51.565		
3,000.00	2,839.34	2,839.34	2,839.34	15.33	6.25	176.99	-14.14	-28.88	697.60	684.52	13.08	53.316		
3,100.00	2,924.90	2,924.90	2,924.90	16.41	6.44	177.20	-14.14	-28.88	749.31	735.66	13.65	54.907		
3,200.00	3,010.47	3,010.47	3,010.47	17.49	6.64	177.38	-14.14	-28.88	801.02	786.81	14.21	56.358		
3,300.00	3,096.03	3,096.03	3,096.03	18.57	6.83	177.54	-14.14	-28.88	852.74	837.96	14.78	57.687		
3,400.00	3,181.60	3,181.60	3,181.60	19.66	7.02	177.68	-14.14	-28.88	904.46	889.11	15.35	58.906		
3,500.00	3,267.16	3,267.16	3,267.16	20.75	7.21	177.81	-14.14	-28.88	956.19	940.26	15.93	60.029		
3,600.00	3,352.72	3,352.72	3,352.72	21.84	7.41	177.92	-14.14	-28.88	1,007.92	991.42	16.51	61.066		
3,700.00	3,438.29	3,438.29	3,438.29	22.93	7.60	178.02	-14.14	-28.88	1,059.65	1,042.57	17.08	62.026		
3,800.00	3,523.85	3,523.85	3,523.85	24.02	7.79	178.11	-14.14	-28.88	1,111.39	1,093.72	17.66	62.917		
3,900.00	3,609.42	3,609.42	3,609.42	25.12	7.98	178.20	-14.14	-28.88	1,163.13	1,144.88	18.25	63.745		
4,000.00	3,694.98	3,694.98	3,694.98	26.21	8.18	178.27	-14.14	-28.88	1,214.86	1,196.03	18.83	64.518		
4,100.00	3,780.55	3,780.55	3,780.55	27.31	8.37	178.34	-14.14	-28.88	1,266.60	1,247.19	19.41	65.240		
4,200.00	3,866.11	3,866.11	3,866.11	28.41	8.56	178.41	-14.14	-28.88	1,318.34	1,298.34	20.00	65.916		
4,300.00	3,951.68	3,951.68	3,951.68	29.50	8.75	178.47	-14.14	-28.88	1,370.09	1,349.50	20.59	66.549		
4,400.00	4,037.24	4,037.24	4,037.24	30.60	8.95	178.52	-14.14	-28.88	1,421.83	1,400.65	21.18	67.145		
4,500.00	4,122.81	4,122.81	4,122.81	31.70	9.14	178.58	-14.14	-28.88	1,473.57	1,451.81	21.76	67.705		
4,600.00	4,208.37	4,208.37	4,208.37	32.80	9.33	178.62	-14.14	-28.88	1,525.32	1,502.96	22.35	68.233		
4,629.76	4,233.83	4,233.83	4,233.83	33.13	9.39	178.64	-14.14	-28.88	1,540.72	1,518.19	22.53	68.384		
4,700.00	4,294.48	4,294.48	4,294.48	33.81	9.52	178.69	-14.14	-28.88	1,576.14	1,553.05	23.09	68.275		
4,800.00	4,382.64	4,382.64	4,382.64	34.62	9.72	178.76	-14.14	-28.88	1,623.32	1,599.50	23.83	68.131		

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



BILL BARRETT CORPORATION

Anticollision Report

Company: BILL BARRETT CORP	Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
Project: CARBON COUNTY, UT (NAD 27)	TVD Reference: SITE @ 7569.10ft (Original Site Elev)
Reference Site: PRICKLY PEAR 4-18 PAD	MD Reference: SITE @ 7569.10ft (Original Site Elev)
Site Error: 0.00ft	North Reference: True
Reference Well: PRICKLY PEAR UF #6-18D-12-15	Survey Calculation Method: Minimum Curvature
Well Error: 0.00ft	Output errors are at: 2.00 sigma
Reference Wellbore: 1	Database: Compass
Reference Design: Plan #2	Offset TVD Reference: Offset Datum

Offset Design PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #4-18-12-15 - 1 - Plan #2													Offset Site Error: 0.00 ft
Survey Program: 0-MWD													Offset Well Error: 0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
							+N/-S (ft)	+E/-W (ft)					
4,900.00	4,472.76	4,472.76	4,472.76	35.36	9.92	178.82	-14.14	-28.88	1,666.62	1,642.10	24.52	67.971	
5,000.00	4,564.70	4,564.70	4,564.70	36.04	10.13	178.87	-14.14	-28.88	1,705.94	1,680.78	25.16	67.799	
5,100.00	4,658.26	4,658.26	4,658.26	36.64	10.34	178.91	-14.14	-28.88	1,741.22	1,715.47	25.75	67.621	
5,200.00	4,753.27	4,753.27	4,753.27	37.18	10.55	178.94	-14.14	-28.88	1,772.39	1,746.11	26.28	67.439	
5,300.00	4,849.55	4,849.55	4,849.55	37.64	10.77	178.97	-14.14	-28.88	1,799.38	1,772.62	26.75	67.257	
5,400.00	4,946.91	4,946.91	4,946.91	38.04	10.99	178.99	-14.14	-28.88	1,822.14	1,794.98	27.17	67.075	
5,500.00	5,045.18	5,045.18	5,045.18	38.36	11.21	179.01	-14.14	-28.88	1,840.64	1,813.13	27.51	66.896	
5,600.00	5,144.15	5,144.15	5,144.15	38.62	11.43	179.03	-14.14	-28.88	1,854.84	1,827.04	27.80	66.721	
5,700.00	5,243.66	5,243.66	5,243.66	38.81	11.66	179.03	-14.14	-28.88	1,864.70	1,836.68	28.02	66.549	
5,800.00	5,343.50	5,343.50	5,343.50	38.95	11.88	179.04	-14.14	-28.88	1,870.22	1,842.05	28.17	66.380	
5,876.52	5,420.00	5,420.00	5,420.00	39.01	12.05	-40.10	-14.14	-28.88	1,871.50	1,843.25	28.25	66.248	
5,900.00	5,443.48	5,443.48	5,443.48	39.02	12.11	-40.10	-14.14	-28.88	1,871.50	1,843.16	28.33	66.051	
6,000.00	5,543.48	5,543.48	5,543.48	39.08	12.33	-40.10	-14.14	-28.88	1,871.50	1,842.80	28.69	65.225	
6,100.00	5,643.48	5,643.48	5,643.48	39.14	12.56	-40.10	-14.14	-28.88	1,871.50	1,842.44	29.05	64.415	
6,200.00	5,743.48	5,743.48	5,743.48	39.20	12.78	-40.10	-14.14	-28.88	1,871.50	1,842.08	29.42	63.621	
6,300.00	5,843.48	5,843.48	5,843.48	39.27	13.00	-40.10	-14.14	-28.88	1,871.50	1,841.72	29.78	62.842	
6,400.00	5,943.48	5,943.48	5,943.48	39.33	13.23	-40.10	-14.14	-28.88	1,871.50	1,841.35	30.15	62.078	
6,500.00	6,043.48	6,043.48	6,043.48	39.40	13.45	-40.10	-14.14	-28.88	1,871.50	1,840.98	30.52	61.329	
6,600.00	6,143.48	6,143.48	6,143.48	39.47	13.68	-40.10	-14.14	-28.88	1,871.50	1,840.61	30.89	60.594	
6,700.00	6,243.48	6,243.48	6,243.48	39.53	13.90	-40.10	-14.14	-28.88	1,871.50	1,840.24	31.26	59.874	
6,800.00	6,343.48	6,343.48	6,343.48	39.60	14.13	-40.10	-14.14	-28.88	1,871.50	1,839.87	31.63	59.167	
6,900.00	6,443.48	6,443.48	6,443.48	39.67	14.35	-40.10	-14.14	-28.88	1,871.50	1,839.49	32.01	58.474	
7,000.00	6,543.48	6,543.48	6,543.48	39.74	14.58	-40.10	-14.14	-28.88	1,871.50	1,839.12	32.38	57.794	
7,100.00	6,643.48	6,643.48	6,643.48	39.82	14.80	-40.10	-14.14	-28.88	1,871.50	1,838.74	32.76	57.128	
7,200.00	6,743.48	6,743.48	6,743.48	39.89	15.03	-40.10	-14.14	-28.88	1,871.50	1,838.36	33.14	56.473	
7,300.00	6,843.48	6,843.48	6,843.48	39.97	15.25	-40.10	-14.14	-28.88	1,871.50	1,837.98	33.52	55.832	
7,400.00	6,943.48	6,943.48	6,943.48	40.04	15.48	-40.10	-14.14	-28.88	1,871.50	1,837.59	33.90	55.202	
7,500.00	7,043.48	7,043.48	7,043.48	40.12	15.70	-40.10	-14.14	-28.88	1,871.50	1,837.21	34.29	54.584	
7,600.00	7,143.48	7,143.48	7,143.48	40.20	15.93	-40.10	-14.14	-28.88	1,871.50	1,836.83	34.67	53.978	
7,700.00	7,243.48	7,243.48	7,243.48	40.28	16.15	-40.10	-14.14	-28.88	1,871.50	1,836.44	35.06	53.383	
7,800.00	7,343.48	7,343.48	7,343.48	40.36	16.38	-40.10	-14.14	-28.88	1,871.50	1,836.05	35.45	52.799	
7,900.00	7,443.48	7,443.48	7,443.48	40.44	16.60	-40.10	-14.14	-28.88	1,871.50	1,835.66	35.83	52.226	
7,906.52	7,450.00	7,450.00	7,450.00	40.44	16.62	-40.10	-14.14	-28.88	1,871.50	1,835.64	35.86	52.189	

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



BILL BARRETT CORPORATION

Anticollision Report

Company: BILL BARRETT CORP
Project: CARBON COUNTY, UT (NAD 27)
Reference Site: PRICKLY PEAR 4-18 PAD
Site Error: 0.00ft
Reference Well: PRICKLY PEAR UF #6-18D-12-15
Well Error: 0.00ft
Reference Wellbore: 1
Reference Design: Plan #2

Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
TVD Reference: SITE @ 7569.10ft (Original Site Elev)
MD Reference: SITE @ 7569.10ft (Original Site Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Compass
Offset TVD Reference: Offset Datum

Offset Design PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #5-18D-12-15 - 1 - Plan #2														Offset Site Error:	0.00 ft
Survey Program: 0-MWD														Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Tooface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
0.00	0.00	0.00	0.00	0.00	0.00	-115.52	-7.08	-14.83	16.44						
100.00	100.00	100.00	100.00	0.10	0.10	-115.52	-7.08	-14.83	16.44	16.25	0.19	86.033			
200.00	200.00	200.00	200.00	0.32	0.32	-115.52	-7.08	-14.83	16.44	15.80	0.64	25.659			
300.00	300.00	300.00	300.00	0.55	0.55	-115.52	-7.08	-14.83	16.44	15.35	1.09	15.078			
400.00	400.00	400.00	400.00	0.77	0.77	-115.52	-7.08	-14.83	16.44	14.90	1.54	10.676			
500.00	500.00	500.00	500.00	0.99	0.99	-115.52	-7.08	-14.83	16.44	14.45	1.99	8.263			
600.00	600.00	600.00	600.00	1.22	1.22	-115.52	-7.08	-14.83	16.44	14.00	2.44	6.740			
700.00	700.00	700.00	700.00	1.44	1.44	-115.52	-7.08	-14.83	16.44	13.55	2.89	5.691			
800.00	800.00	800.00	800.00	1.67	1.67	-115.52	-7.08	-14.83	16.44	13.10	3.34	4.924			
900.00	900.00	900.00	900.00	1.89	1.89	-115.52	-7.08	-14.83	16.44	12.65	3.79	4.340			
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-115.52	-7.08	-14.83	16.44	12.20	4.24	3.879			
1,060.00	1,060.00	1,060.00	1,060.00	2.25	2.25	-115.52	-7.08	-14.83	16.44	11.93	4.51	3.647	CC, ES		
1,100.00	1,100.00	1,099.85	1,099.85	2.33	2.33	103.75	-7.43	-14.86	16.70	12.03	4.66	3.580	SF		
1,200.00	1,199.91	1,199.41	1,199.33	2.51	2.51	104.99	-11.30	-15.22	19.63	14.61	5.01	3.915			
1,300.00	1,299.56	1,298.75	1,298.32	2.71	2.69	106.65	-19.45	-15.97	25.83	20.44	5.38	4.796			
1,400.00	1,398.75	1,397.71	1,396.49	2.93	2.89	108.00	-31.81	-17.11	35.28	29.50	5.79	6.098			
1,500.00	1,497.30	1,496.14	1,493.51	3.18	3.13	108.91	-48.28	-18.62	47.97	41.74	6.23	7.699			
1,600.00	1,595.02	1,593.89	1,589.07	3.50	3.42	109.45	-68.73	-20.50	63.85	57.12	6.73	9.481			
1,700.00	1,691.71	1,690.83	1,682.89	3.87	3.77	109.73	-92.99	-22.74	82.86	75.55	7.31	11.334			
1,800.00	1,787.21	1,786.83	1,774.71	4.33	4.18	109.82	-120.89	-25.30	104.93	96.96	7.97	13.164			
1,900.00	1,881.32	1,881.80	1,864.30	4.88	4.66	109.77	-152.24	-28.19	130.00	121.27	8.73	14.897			
2,000.00	1,973.87	1,975.62	1,951.46	5.52	5.20	109.61	-186.81	-31.37	157.98	148.40	9.58	16.492			
2,100.00	2,064.67	2,070.74	2,038.98	6.25	5.81	109.89	-223.87	-34.78	188.20	177.66	10.54	17.858			
2,200.00	2,153.57	2,165.34	2,126.04	7.09	6.44	110.96	-260.75	-38.17	219.96	208.40	11.56	19.022			
2,300.00	2,240.38	2,259.11	2,212.32	8.02	7.08	112.47	-297.30	-41.53	253.48	240.83	12.65	20.037			
2,306.76	2,246.17	2,265.41	2,218.12	8.09	7.13	112.59	-299.76	-41.76	255.81	243.09	12.72	20.106			
2,400.00	2,325.95	2,352.32	2,298.10	9.02	7.74	114.68	-333.64	-44.88	288.26	274.47	13.79	20.907			
2,500.00	2,411.51	2,445.53	2,383.87	10.04	8.40	116.46	-369.98	-48.22	323.35	308.41	14.95	21.635			
2,600.00	2,497.08	2,538.75	2,469.85	11.08	9.07	117.90	-406.31	-51.56	358.67	342.55	16.12	22.256			
2,700.00	2,582.64	2,631.96	2,555.42	12.13	9.75	119.07	-442.65	-54.90	394.15	376.85	17.30	22.788			
2,800.00	2,668.21	2,725.17	2,641.19	13.19	10.43	120.06	-478.98	-58.25	429.75	411.27	18.48	23.250			
2,900.00	2,753.77	2,818.39	2,726.97	14.26	11.12	120.89	-515.32	-61.59	465.45	445.77	19.68	23.653			
3,000.00	2,839.34	2,911.60	2,812.74	15.33	11.81	121.61	-551.66	-64.93	501.22	480.34	20.88	24.007			
3,100.00	2,924.90	3,004.81	2,898.52	16.41	12.50	122.23	-587.99	-68.27	537.04	514.96	22.08	24.320			
3,200.00	3,010.47	3,098.02	2,984.29	17.49	13.20	122.77	-624.33	-71.62	572.92	549.63	23.29	24.600			
3,300.00	3,096.03	3,191.24	3,070.06	18.57	13.89	123.25	-660.66	-74.96	608.84	584.34	24.50	24.850			
3,400.00	3,181.60	3,284.45	3,155.84	19.66	14.59	123.68	-697.00	-78.30	644.79	619.08	25.71	25.075			
3,500.00	3,267.16	3,377.66	3,241.61	20.75	15.29	124.06	-733.33	-81.65	680.77	653.84	26.93	25.279			
3,600.00	3,352.72	3,470.88	3,327.39	21.84	16.00	124.40	-769.67	-84.99	716.77	688.62	28.15	25.465			
3,700.00	3,438.29	3,564.09	3,413.16	22.93	16.70	124.71	-806.01	-88.33	752.79	723.43	29.37	25.634			
3,800.00	3,523.85	3,657.30	3,498.93	24.02	17.40	124.99	-842.34	-91.67	788.83	758.24	30.59	25.789			
3,900.00	3,609.42	3,750.51	3,584.71	25.12	18.11	125.25	-878.68	-95.02	824.89	793.08	31.81	25.931			
4,000.00	3,694.98	3,843.73	3,670.48	26.21	18.81	125.48	-915.01	-98.36	860.95	827.92	33.03	26.062			
4,100.00	3,780.55	3,936.94	3,756.26	27.31	19.52	125.70	-951.35	-101.70	897.03	862.78	34.26	26.184			
4,200.00	3,866.11	4,030.15	3,842.03	28.41	20.23	125.90	-987.68	-105.05	933.12	897.64	35.48	26.297			
4,300.00	3,951.68	4,123.37	3,927.80	29.50	20.94	126.09	-1,024.02	-108.39	969.22	932.51	36.71	26.401			
4,400.00	4,037.24	4,216.58	4,013.58	30.60	21.64	126.26	-1,060.36	-111.73	1,005.33	967.39	37.94	26.499			
4,500.00	4,122.81	4,309.79	4,099.35	31.70	22.35	126.42	-1,096.69	-115.07	1,041.45	1,002.28	39.17	26.590			
4,600.00	4,208.37	4,403.00	4,185.13	32.80	23.06	126.57	-1,133.03	-118.42	1,077.57	1,037.17	40.40	26.675			
4,629.76	4,233.83	4,430.74	4,210.65	33.13	23.27	126.61	-1,143.84	-119.41	1,088.32	1,047.55	40.76	26.700			
4,700.00	4,294.48	4,496.46	4,271.13	33.81	23.77	127.19	-1,169.46	-121.77	1,113.09	1,071.52	41.57	26.774			
4,800.00	4,382.64	4,590.78	4,357.92	34.62	24.49	127.80	-1,206.23	-125.15	1,146.25	1,103.59	42.65	26.874			

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



BILL BARRETT CORPORATION

Anticollision Report

Company: BILL BARRETT CORP
Project: CARBON COUNTY, UT (NAD 27)
Reference Site: PRICKLY PEAR 4-18 PAD
Site Error: 0.00ft
Reference Well: PRICKLY PEAR UF #6-18D-12-15
Well Error: 0.00ft
Reference Wellbore: 1
Reference Design: Plan #2

Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
TVD Reference: SITE @ 7569.10ft (Original Site Elev)
MD Reference: SITE @ 7569.10ft (Original Site Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Compass
Offset TVD Reference: Offset Datum

Offset Design PRICKLY PEAR 4-18 PAD - PRICKLY PEAR UF #5-18D-12-15 - 1 - Plan #2													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,472.76	4,685.83	4,445.38	35.36	25.22	128.17	-1,243.28	-128.56	1,176.88	1,133.12	43.76	26.895		
5,000.00	4,564.70	4,782.62	4,534.55	36.04	25.92	128.33	-1,280.77	-132.01	1,204.97	1,160.12	44.85	26.868		
5,100.00	4,658.26	4,882.73	4,628.04	36.64	26.45	128.43	-1,316.39	-135.29	1,230.28	1,184.56	45.72	26.907		
5,200.00	4,753.27	4,984.08	4,724.19	37.18	26.93	128.53	-1,348.27	-138.22	1,252.70	1,206.20	46.50	26.940		
5,300.00	4,849.55	5,086.55	4,822.75	37.64	27.36	128.62	-1,376.17	-140.79	1,272.15	1,224.96	47.19	26.958		
5,400.00	4,946.91	5,190.01	4,923.43	38.04	27.74	128.70	-1,399.86	-142.96	1,288.58	1,240.79	47.79	26.963		
5,500.00	5,045.18	5,294.29	5,025.88	38.36	28.07	128.77	-1,419.13	-144.74	1,301.95	1,253.65	48.30	26.958		
5,600.00	5,144.15	5,399.22	5,129.76	38.62	28.34	128.83	-1,433.83	-146.09	1,312.19	1,263.49	48.70	26.943		
5,700.00	5,243.66	5,504.62	5,234.68	38.81	28.55	128.89	-1,443.80	-147.01	1,319.29	1,270.29	49.01	26.921		
5,800.00	5,343.50	5,610.31	5,340.23	38.95	28.69	128.94	-1,448.97	-147.48	1,323.23	1,274.01	49.22	26.885		
5,876.52	5,420.00	5,690.09	5,420.00	39.01	28.77	-90.17	-1,449.75	-147.55	1,324.10	1,281.45	42.65	31.047		
5,900.00	5,443.48	5,713.57	5,443.48	39.02	28.79	-90.17	-1,449.75	-147.55	1,324.10	1,281.40	42.70	31.011		
6,000.00	5,543.48	5,813.57	5,543.48	39.08	28.86	-90.17	-1,449.75	-147.55	1,324.10	1,281.20	42.90	30.863		
6,100.00	5,643.48	5,913.57	5,643.48	39.14	28.94	-90.17	-1,449.75	-147.55	1,324.10	1,280.99	43.11	30.715		
6,200.00	5,743.48	6,013.57	5,743.48	39.20	29.01	-90.17	-1,449.75	-147.55	1,324.10	1,280.78	43.32	30.565		
6,300.00	5,843.48	6,113.57	5,843.48	39.27	29.09	-90.17	-1,449.75	-147.55	1,324.10	1,280.56	43.53	30.415		
6,400.00	5,943.48	6,213.57	5,943.48	39.33	29.17	-90.17	-1,449.75	-147.55	1,324.10	1,280.35	43.75	30.263		
6,500.00	6,043.48	6,313.57	6,043.48	39.40	29.25	-90.17	-1,449.75	-147.55	1,324.10	1,280.12	43.97	30.111		
6,600.00	6,143.48	6,413.57	6,143.48	39.47	29.34	-90.17	-1,449.75	-147.55	1,324.10	1,279.90	44.20	29.957		
6,700.00	6,243.48	6,513.57	6,243.48	39.53	29.42	-90.17	-1,449.75	-147.55	1,324.10	1,279.67	44.43	29.803		
6,800.00	6,343.48	6,613.57	6,343.48	39.60	29.51	-90.17	-1,449.75	-147.55	1,324.10	1,279.44	44.66	29.648		
6,900.00	6,443.48	6,713.57	6,443.48	39.67	29.59	-90.17	-1,449.75	-147.55	1,324.10	1,279.20	44.90	29.493		
7,000.00	6,543.48	6,813.57	6,543.48	39.74	29.68	-90.17	-1,449.75	-147.55	1,324.10	1,278.97	45.13	29.337		
7,100.00	6,643.48	6,913.57	6,643.48	39.82	29.77	-90.17	-1,449.75	-147.55	1,324.10	1,278.72	45.38	29.181		
7,200.00	6,743.48	7,013.57	6,743.48	39.89	29.86	-90.17	-1,449.75	-147.55	1,324.10	1,278.48	45.62	29.024		
7,300.00	6,843.48	7,113.57	6,843.48	39.97	29.96	-90.17	-1,449.75	-147.55	1,324.10	1,278.23	45.87	28.867		
7,400.00	6,943.48	7,213.57	6,943.48	40.04	30.05	-90.17	-1,449.75	-147.55	1,324.10	1,277.98	46.12	28.710		
7,500.00	7,043.48	7,313.57	7,043.48	40.12	30.15	-90.17	-1,449.75	-147.55	1,324.10	1,277.73	46.37	28.553		
7,600.00	7,143.48	7,413.57	7,143.48	40.20	30.24	-90.17	-1,449.75	-147.55	1,324.10	1,277.47	46.63	28.396		
7,700.00	7,243.48	7,513.57	7,243.48	40.28	30.34	-90.17	-1,449.75	-147.55	1,324.10	1,277.21	46.89	28.238		
7,800.00	7,343.48	7,613.57	7,343.48	40.36	30.44	-90.17	-1,449.75	-147.55	1,324.10	1,276.95	47.15	28.081		
7,861.47	7,404.96	7,675.04	7,404.96	40.41	30.50	-90.17	-1,449.75	-147.55	1,324.10	1,276.78	47.32	27.984		
7,900.00	7,443.48	7,700.09	7,430.00	40.44	30.53	-90.17	-1,449.75	-147.55	1,324.17	1,276.77	47.40	27.937		
7,906.52	7,450.00	7,700.09	7,430.00	40.44	30.53	-90.17	-1,449.75	-147.55	1,324.25	1,276.84	47.41	27.934		

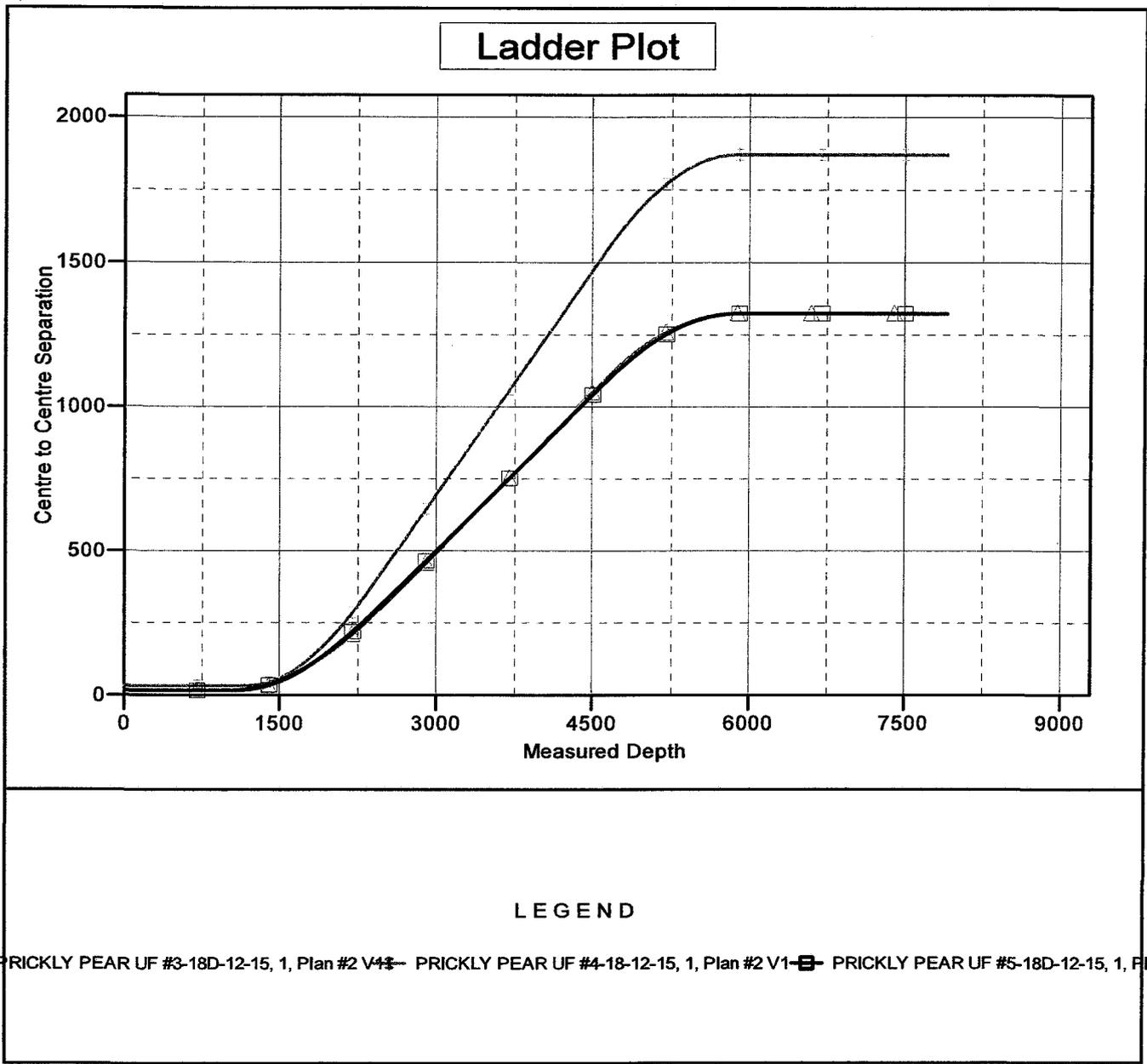
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: BILL BARRETT CORP
Project: CARBON COUNTY, UT (NAD 27)
Reference Site: PRICKLY PEAR 4-18 PAD
Site Error: 0.00ft
Reference Well: PRICKLY PEAR UF #6-18D-12-15
Well Error: 0.00ft
Reference Wellbore: 1
Reference Design: Plan #2

Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
TVD Reference: SITE @ 7569.10ft (Original Site Elev)
MD Reference: SITE @ 7569.10ft (Original Site Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Compass
Offset TVD Reference: Offset Datum

Reference Depths are relative to SITE @ 7569.10ft (Original Site Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is 111° 30' 0.0000 W°

Coordinates are relative to: PRICKLY PEAR UF #6-18D-12-15
 Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302
 Grid Convergence at Surface is: 0.78°



Company: BILL BARRETT CORP
 Project: CARBON COUNTY, UT (NAD 27)
 Reference Site: PRICKLY PEAR 4-18 PAD
 Site Error: 0.00ft
 Reference Well: PRICKLY PEAR UF #6-18D-12-15
 Well Error: 0.00ft
 Reference Wellbore: 1
 Reference Design: Plan #2

Local Co-ordinate Reference: Well PRICKLY PEAR UF #6-18D-12-15
 TVD Reference: SITE @ 7569.10ft (Original Site Elev)
 MD Reference: SITE @ 7569.10ft (Original Site Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Output errors are at: 2.00 sigma
 Database: Compass
 Offset TVD Reference: Offset Datum

Reference Depths are relative to SITE @ 7569.10ft (Original Site Elev)

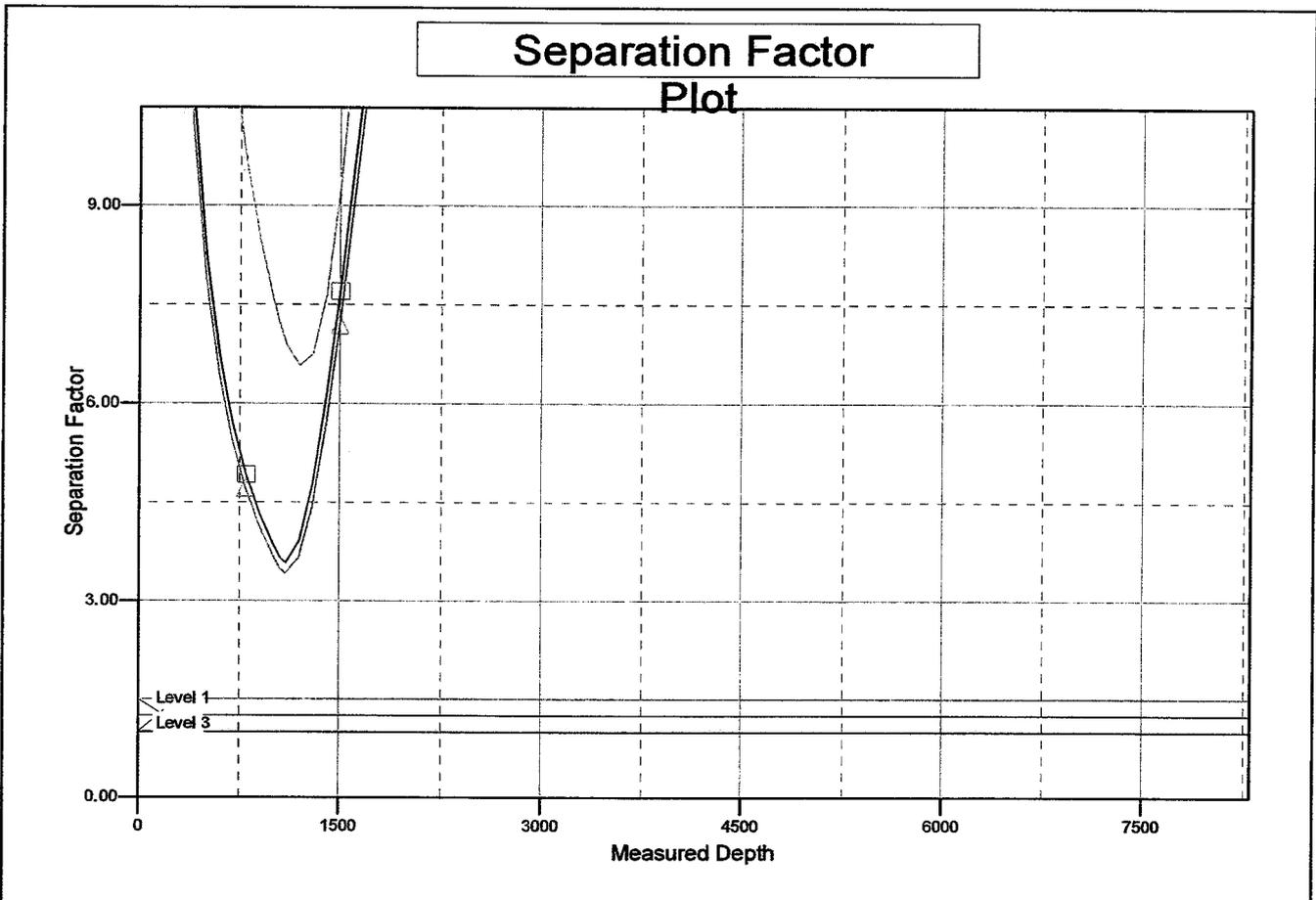
Offset Depths are relative to Offset Datum

Central Meridian is 111° 30' 0.0000 W °

Coordinates are relative to: PRICKLY PEAR UF #6-18D-12-15

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302

Grid Convergence at Surface is: 0.78°



LEGEND

PRICKLY PEAR UF #3-18D-12-15, 1, Plan #2 V1 → PRICKLY PEAR UF #4-18-12-15, 1, Plan #2 V1 → PRICKLY PEAR UF #5-18D-12-15, 1, Fla

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.

- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: Bill Barrett Corp. Today's Date: 04/21/2008

Well: 43 007 31317 API Number: _____ Drilling Commenced: _____
PPU Fed 6-18D-12-15
12S 15E 18

List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

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

If you have questions or concerns regarding this matter, please contact Rachel Medina
at (801) 538-5260.

cc: Well File
Compliance File

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

ATTACHMENT

Operator: Bill Barrett Corp.

Today's Date: 04/21/2008

Well:	API Number:	Drilling Commenced:
PPU Fed 15-6D-13-17	4300731261	05/19/2007
PPU Fed 7-17D-12-15	4300731289	10/21/2007
PPU Fed 7-18D-12-15	4300731295	10/24/2007
PPU Fed 5-17D-12-15	4300731296	10/24/2007
PPU Fed 3-18D-12-15	4300731314	11/16/2007
PPU Fed 4-18-12-15	4300731315	11/16/2007
PPU Fed 5-18D-12-15	4300731316	11/16/2007
PPU Fed 6-18D-12-15	4300731317	11/16/2007
PPU Fed 16-18D-12-15	4300731312	11/17/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

tfallang
CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

CONFIDENTIAL

5. Lease Serial No.
UT-73668
6. If Indian, Annettee or Tribe Name
N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. Prickly Pear / UTU-79487
2. Name of Operator Bill Barrett Corporation		8. Well Name and No. Prickly Pear Unit Federal 6-18D-12-15
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	3b. Phone No. (include area code) 303-312-8134	9. API Well No. 43-007-31317
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NWNW, 533' FNL, 586' FWL Sec. 18, T12S-R15E		10. Field and Pool or Exploratory Area Undesignated/Wasatch-Mesaverde
		11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

This well was spud 11/16/07 but continuous drilling operations have not commenced. Nothing to report.

-STATE ONLY SUBMITTAL-

RECEIVED
MAY 02 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tracey Fallang		Title Environmental/Regulatory Analyst
Signature <i>Tracey Fallang</i>		Date 05/01/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator
Bill Barrett Corporation

3a. Address
1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. (include area code)
303-312-8134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW, 533' FNL, 586' FWL
Sec. 18, T12S-R15E

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8. Well Name and No.
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Weekly Drilling Report From 05-08-2008 To 05-19-2008
Report #1 - 3

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature

Date 05/21/2008

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Approved by

Title

Date

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Office

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RECEIVED

(Instructions on page 2)

MAY 27 2008

DIV. OF OIL, GAS & MINING

REGULATORY DRILLING SUMMARY

WELLCORE

Well : Prickly Pear Fed. #6-18D-12-15

Phase/Area : West Tavaputs

Operations Date : 5/17/2008

Bottom Hole Display	API #/License
SEnw-18-12S-15E-W26M	43-007-31317

Report # : 1

Depth At 06:00 : 907.00

Estimated Total Depth : 7920.00

Surface Location : NWNW-18-12S-15E-W26M

Spud Date : 11/29/2007 Days From Spud : 170

Morning Operations : DRILLING CEMENT

Time To	Description	Remarks :
7:00 PM	RIG DOWN / SKID RIG / RIG UP	DSLTA: 317
12:00 AM	TEST B.O.P.'S - PIPE RAMS / BLIND RAMS / CHOKE LINES / KILL LINE / UPPER KELLY / LOWER KELLY / SAFTEY FLOOR VALVES / CHOKE MANIFOLD / SUPER CHOKE ALL TESTED HIGH @ 3000 PSI FOR 10 MIN / LOW @ 250 PSI FOR 5 MIN. ANNULAR TESTED HIGH @ 1500 PSI FOR 10 MIN / LOW @ 250 PSI FOR 5 MIN. CASING TESTED @ 1500 PSI FOR 30 MIN.	SAFTEY MEETING: RIG SKID FUEL ON LOCATION: 6516 GALLONS FUEL USED: 284 GALLONS WATER DELIVERED: 860 BBLS TOTAL WATER: 860 BBLS ANN: 1000 PSI MAN: 1300 PSI ACC: 1500 PSI KOOMEY OIL: 15" B.O.P. DRILL - 65 SECONDS
12:30 AM	SET WEAR BUSHING	
1:30 AM	P/U & ORIENT DIR. TOOLS	
3:30 AM	TRIP IN H.W.D.P. / TAG CEMENT @ 816'	
6:00 AM	DRILL CEMENT F/ 816'-907'	

REGULATORY DRILLING SUMMARY

WELLCORE

Well : Prickly Pear Fed. #6-18D-12-15

Phase/Area : West Tavaputs

Operations Date : 5/19/2008

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Report # : 3

Depth At 06:00 : 3905.00

Estimated Total Depth : 7920.00

Surface Location : NWNW-18-12S-15E-W26M

Spud Date : 11/29/2007 Days From Spud : 172

Morning Operations : DRILLING AHEAD

Time To	Description
1:30 PM	DRILL F/ 2529'-3074'
2:00 PM	RIG SERVICE / B.O.P. DRILL - 28 SECONDS / FUNCTION TEST PIPE RAMS.
6:00 AM	DRILL F/ 3074'-3905'

Remarks :

DSLTA: 319
 SAFTEY MEETING: INSPECT BRAKE LINKAGE
 FUEL ON LOCATION: 5114 GALLONS
 FUEL USED: 740 GALLONS
 WATER DELIVERED: 0 BBLS
 TOTAL WATER: 1040 BBLS
 ANN: 1000 PSI
 MAN: 1300 PSI
 ACC: 1500 PSI
 KOOMEY OIL: 15"
 B.O.P. DRILL - 28 SECONDS

Well : Prickly Pear Fed. #6-18D-12-15

Phase/Area : West Tavaputs

Operations Date : 5/18/2008

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Report # : 2

Depth At 06:00 : 2529.00

Estimated Total Depth : 7920.00

Surface Location : NWNW-18-12S-15E-W26M

Spud Date : 11/29/2007 Days From Spud : 171

Morning Operations : DRILLING AHEAD

Time To	Description
7:00 AM	DRILL CEMENT F/ 907'-1024' / FLOAT @ 981' / SHOE @ 1024'
11:00 AM	DRILL F/ 1024'-1409'
11:30 AM	CHECK DIR. TOOLS
12:00 PM	RIG SERVICE / B.O.P. DRILL 46 SECONDS / FUNCTION PIPE RAMS & ANNULAR.
9:30 PM	DRILL F/ 1409'-2210'
11:30 PM	T.O.O.H. / REPLACE M.W.D. TOOL
1:00 AM	T.I.H.
6:00 AM	DRILL F/ 2210'-2529'

Remarks :

DSLTA: 318
 SAFTEY MEETING: STRAPPING PIPE
 FUEL ON LOCATION: 5854 GALLONS
 FUEL USED: 662 GALLONS
 WATER DELIVERED: 180 BBLS
 TOTAL WATER: 1040 BBLS
 ANN: 1000 PSI
 MAN: 1300 PSI
 ACC: 1500 PSI
 KOOMEY OIL: 15"
 B.O.P. DRILL - 46 SECONDS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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COPY
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Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
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5. Lease Serial No.
UTU-73668

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Bill Barrett Corporation

3a. Address
1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. (include area code)
303-312-8134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW, 533' FNL, 586' FWL
Sec. 18, T12S-R15E

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear / UTU-79487

8. Well Name and No.
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9. API Well No.
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Undesignated/Wasatch-Mesaverde

11. Country or Parish, State
Carbon County, UT

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TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Weekly Activity Report	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
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Waiting on Completion (no activity between 5/30 and 6/20).

RECEIVED
JUN 24 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature *Tracey Fallang*

Date 06/20/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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Office _____

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UTU-73668
6. If Indian, Allottee or Tribe Name
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SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. Prickly Pear / UTU-79487
2. Name of Operator Bill Barrett Corporation		8. Well Name and No. Prickly Pear Unit Federal 6-18D-12-15
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	3b. Phone No. (include area code) 303-312-8134	9. API Well No. 43-007-31317
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Waiting on Completion. Tentative completion date to begin end of July.

RECEIVED

JUN 27 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tracey Fallang	Title Environmental/Regulatory Analyst
Signature <i>Tracey Fallang</i>	Date 06/26/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
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Office _____		

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6. Indian, Allottee or Tribe Name N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Bill Barrett Corporation

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3b. Phone No. (include area code)
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NWNW, 533' FNL, 586' FWL
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This sundry is being submitted as notification that this well had first sales on August 8th, 2008.

If you have any questions or need further information, please contact me at the number above.

RECEIVED
AUG 13 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed) Tracey Fallang
Title Environmental/Regulatory Analyst

Signature *Tracey Fallang*
Date 08/11/2008

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UTU73668

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Weekly completion activity report from 8/1/08 through 8/7/08 (report #'s 2-9).

RECEIVED
AUG 13 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Tracey Fallang

Title Environmental/Regulatory Analyst

Signature

Tracey Fallang

Date 08/12/2008

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Approved by

Title

Date

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REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/2/2008

Report # : 4

AFE # : 14627D

Summary :	End Time	Description
BWWC EL stage 1 Price River. Frac #1 60Q foam frac. Five sand trucks was ordered on 7-31-08 to unload PM. Sand trucks did not show up through out night. was to be on loc at AM. and throughout the day. no sand for #2 frac SDFD. waiting on sand. two load of sand on loc at 9PM.	5:30 AM	SI
	7:00 AM	Black Warrior EL stage 1 Price River. PU 25 ft. perf guns RIH correlate to short Jt. run to perf depth Perforate P.R. @ 7712-7737, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
	7:15 AM	Safety meeting, Frac
	8:35 AM	HES Frac stage 1 Price River 60Q foam frac. Load & Break @ 5,088 PSI @ 6.4 BPM. Avg. Wellhead Rate: 27.53 BPM. Avg. Slurry Rate: 12.84 BPM. Avg. CO2 Rate: 13.6 BPM. Avg. Pressure: 4,772 PSI. Max. Wellhead Rate: 36.76 BPM. Max. Slurry Rate: 20.34 BPM. Max. CO2 Rate: 23.58 BPM. Max. Pressure: 6,069 PSI. Total Fluid Pumped: 23,961 Gal. Total Sand in Formation: 96,300 lb.(20/40 White Sand) CO2 Downhole: 126 tons. CO2 Cooledown: 10 tons. ISIP;3,619 PSI. Frac Gradient: 0.91psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
	11:59 PM	SDFD No frac sand , Wait on sand 5 loads was ordered on 7-31-08

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/1/2008

Report # : 2

AFE # : 14627D

Summary :	End Time	Description
SI. MIRU IPS Coil tbg. PU weatherford Down hole Motor with 3-7/8" drag bit. RIH tag @ 7804 ft. Circ hole returns was soft cement. POOH . SI. Lay down BHA, Rig down IPS coil tbg unit and move out. MIRU HES FRAC & BWWC EL equipment	7:00 AM	Enter the description here
	7:30 AM	Safety Meeting. clean out with coil tbg.
	8:00 AM	PU 3-7/8 drag bit and down hole motor
	9:30 AM	Trip in hole with coil tbg. and BHA.
	10:30 AM	no tag RIH to 7804. circ bottom up. recovered soft cement.
	11:30 AM	POOH with coil tbg. and BHA. shut in.
	11:30 AM	Lay down Weatherford down hole motor.
	1:30 PM	Rig down IPS coil tbg move out.
	4:30 PM	MIRU HES Frac equipment. & Black Warrer EL unit.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/4/2008

Report # : 6

AFE # : 14627D

Summary : SICP. 600. BWWC EL stage 2 Dark Canyon. HES Frac stage 2. EL stage 3 U.D.C. Frac #3. EL stage 4. Frac #4. EL stage 5. Frac #5. EL stage 6. Frac #6. Flow stages 1-6

End Time	Description
12:45 PM	HES Frac stage 4 North Horn 70Q foam frac. Load & break @5,323 PSI @ 12.1BPM. Avg. Wellhead Rate:33.2 BPM. Avg. Slurry Rate:14.1 BPM. Avg. CO2 Rate:18.5 BPM. Avg. Pressure:5,186 PSI. Max. Wellhead Rate:36.7 BPM. Max. Slurry Rate:18.2 BPM. Max. CO2 Rate:24 BPM. Max. Pressure:5,726 PSI. Total Fluid Pumped:22,213 Gal. Total Sand in Formation:92,300 lb. (20/40 White Sand) CO2 Downhole: 121 tons. CO2 Cooldown:4 tons. ISIP:3,670 PSI. Frac Gradient: 0.96 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
2:20 PM	BWWC EL stage 5 North Horn. PU HES CFP with 14 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6970 ft. PU perforate @ 6904-6918, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
3:05 PM	HES Frac stage 5 North Horn. Load & Break @3,650 PSI @16.6 BPM. Avg. Wellhead Rate:28.6 BPM. Avg. Slurry Rate:13.8 BPM. Avg. CO2 Rate: 13.5 BPM. Avg. Pressure: 4,289 PSI. Max. Wellhead Rate:31.1 BPM. Max. Slurry Rate: 17.1 BPM. Max. Co2 Rate:20.5 BPM. Max. Pressure:4,637 PSI. Total Fluid Pumped: 16,658 gal. Total Sand in Formation: 56,000 lb. (20/40 White Sand) CO2 Downhole: 73 tons. CO2 Cooldown: 8 tons. ISIP: 3,220 PSI, Frac Gradient: 0.91 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
4:05 PM	BWWC EL stage 6 North Horn. PU HES CFP with 12 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @6880 ft. PU perforate @ 6830-6842 ft. 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well over to frac.
5:15 PM	HES frac stage 6 North Horn 60Q foam frac. Load & Break @ 6,012 PSI @ 14.7 BPM. Avg. Wellhead Rate: 29.8 BPM. Avg. Slurry Rate: 14.1 BPM. Avg. Co2 Rate: 14.5 BPM. Avg. Pressure: 4,997 PSI. Max. Wellhead Rate: 31.4 BPM. Max. Slurry rate: 17.6 BPM. Max. CO2 Rate: 19.2 BPM. Max. Pressure: 6,012 PSI. Total Fluid Pumped: 16,570 gal. Total Sand in Formation: 56,300 lb. (20/40 White Sand) CO2 Downhole: 76 tons. CO2 Cooldown: 8 tons. ISIP: 3,320 PSI. Frac Gradient: 0.93 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.

6:00 PM SI

6:00 PM Flow stages 1-6 through Opsco flow equipment.
Phase/Area West Tavaputs

Well Name : Prickly Pear Fed. #6-18D-12-15

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/3/2008

Report # : 5

AFE # : 14627D

Summary : SI wait on sand

End Time	Description
6:00 AM	SICP; 400
11:59 PM	SI wait on frac sand

REGULATORY COMPLETION SUMMARY

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/5/2008

Report # : 7

AFE # : 14627D

Summary : Flow stages 1-6.

End Time	Description
6:00 AM	Flow stages 1-6 FCP: 950 psi on 48 ck. recovered 572 bbl in 12 hours CO2 40 %. trace of sand and trace of oil.
6:00 AM	flow stages 1-6 through Opsco equipment.

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/4/2008

Report # : 6

AFE # : 14627D

Summary : SICP. 600. BWWC EL stage 2 Dark Canyon. HES Frac stage 2. EL stage 3 U.D.C. Frac #3. EL stage 4. Frac #4. EL stage 5. Frac #5. EL stage 6. Frac #6. Flow stages 1-6

End Time	Description
5:30 AM	SICP: 600 psi.
7:00 AM	Black Warrior EL stage 2 Dark Canyon.. PU HES CFP with 9 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 7430 ft. PU perforate @ 7352-7356 & 7323-7328, 3 JSPF. 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
7:30 AM	HES safety Meet. Fracing. Wire line work. sand trucks.
9:15 AM	HES frac stage 2 Lower Dark Canyon 70 Q foam frac. Load & Break @ 4,250 PSI @ 16.6 BPM. Avg. Wellhead Rate: 28.3 BPM. Avg. Slurry Rate: 11.1 BPM. Avg. CO2 Rate: 16.8 BPM. Avg. Pressure: 5,470 PSI. Max. Wellhead Rate: 32.2 BPM. Max. Slurry Rate: 24.3 BPM. Max. CO2 Rate: 21.3 BPM. Max. Pressure: 6,540 PSI. Total Fluid Pumped: 24,079 Gal. Total Sand in Formation: 77,400 lb. (20/40 White Sand) CO2 Downhole: 138 tons. CO2 Coldown: 4 tons. ISIP:4,257 PSI. Frac Gradient: 1.02 psi/ft. Dropped Qty: 3 perf balls in Pad stage. And 3 balls in 2# sand stage. Extended 3# sand stage due to pressure rise. Ended up cutting sand and going to flush. Cut CO2 early in flush. 57% of total de
9:15 AM	BWWC EL stage 3. Upper Dark Canyon. PU HES CFP with 25 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 7220 ft. PU perforate @7133-7158. 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
10:25 AM	HES frac stage 3 Upper Dark Canyon 70Q foam Frac. Load & Break @3,060 PSI @15.9 BPM. Avg. Wellhead Rate: 37.1 BPM. Avg. Slurry Rate: 14.3 BPM. Avg. CO2 Rate: 22.1 BPM. Avg. Pressure: 5,761 PSI. Max. Wellhead Rate: 40.4 BPM. Max. Slurry Rate: 17.2 BPM. Max. CO2 Rate: 24.9 BPM. Max. Pressure: 6,577 PSI. Total Fluid Pumped: 22,438 Gal. Total Sand in Formation: 88,800 lb.(20/40 White Sand) CO2 Downhole: 164 tons. CO2 Coldown: 10 tons. ISIP:3,920 PSI. Frac Gradient: 0.99 psi/ft. Pressure rise extended 3# sand stage. Cut sand after trucks kicked out from over heating. cut CO2 early in flush. pumped 67% of design sand total in formation. Successfully flushed wellbore with 50 bbl
12:00 PM	BWWC EL stage 4 North Horn. PU HES CFP with ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 7100 ft. PU perforate @ 7070-7080, 3JSPF, 120 phasing, 29 gram charges. .370 holes. POOH turn well to frac.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/6/2008

Report # : 8

AFE # : 14627D

Summary :	End Time	Description
Flow stages 1-6. Sl. EL stage 7. Safety meeting. Frac #7. EL stage 8. Frac #8. EL stage 9. Frac #9. EL stage 10. Frac #10. EL stage 11. Frac #11. Flow stages 1-11	1:25 PM	BWWC EL stage 10 North Horn. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5540 ft. PU perforate @ 5518-5528, 3JSPF, 120 Phasing, 29 gram charges, .370 holes. POOH turn well to frac.
	2:25 PM	HES Frac stage 10 North Horn 60Q foam frac. Load & Break @3,490 PSI @ 15.4 BPM. Avg. Wellhead Rate:29.6 BPM. Avg. Slurry Rate:13.9 BPM. Avg. CO2 Rate:14.2 BPM. Avg. Pressure: 4,168 PSI. Max. Wellhead Rate:32.3 BPM. Max. Slurry Rate:16.8 BPM. Max. CO2 Rate: 19.1 BPM. Max. Pressure:4,678 PSI. Total Fluid Pumped:21,761 Gal. Total Sand in Formation : 84,100 lb.(20/40 White Sand) CO2 Downhole:103 tons. CO2 Cooldown: 10 tons. ISIP:3.060 PSI. Frac Gradient:1.00 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
	3:30 PM	BWWC EL stage 11 North Horn. PU HES CFP with 7 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5490 ft. PU perforate @ 5458-5462 & 5445-5448, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
	4:30 PM	HES frac stage 11 North Horn 60Q foam frac. Load & Break @ 3,580 PSI @ 15.2 BPM. Avg. Wellhead Rate: 24.8 BPM. Avg. Slurry Rate: 11.9 BPM. Avg. CO2 Rate: 11.7 BPM. Avg. Pressure: 4,238 PSI. Max. Wellhead Rate: 26.6 BPM. Max. Slurry Rate: 14.2 BPM. Max. Co2 Rate: 16 BPM. Max. Pressure: 4,492 PSI. Total Fluid Pumped: 14.094 Gal. Total Sand in Formation: 48,000 lb. (20/40 White Sand) CO2 Downhole: 62 tons. Co2 Cooldown: 7 tons. ISIP: 2,900 PSI. Frac Gradient: 0.97 psi/ft. Dropped Qty: 3 perf balls in pad stage and 3 balls in 2# sand stage. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
	5:30 PM	Shut in
	11:59 PM	Flow stages 1-11 through Opsco flow equipment.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/6/2008

Report # : 8

AFE # : 14627D

Summary : Flow stages 1-6. SI. EL stage 7. Safety meeting. Frac #7. EL stage 8. Frac #8. EL stage 9. Frac #9. EL stage 10. Frac #10. EL stage 11. Frac #11. Flow stages 1-11

End Time	Description
4:00 AM	Flow stages 1-6 FCP: 600 psi on 48 ck. recovered 336 bbl in 24 hours. avg, of 14 BPH. CO2 : 6 %
5:30 AM	Shut in for EL work.
7:00 AM	Black Warrior EL stage 7 North Horn. PU HES CFP with 12 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6800 ft. PU perforate @ 6728-6740, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.
8:00 AM	HES Frac stage 7 North Horn 60Q foam frac. Load & Break @ 5341 PSI. @ 19.1 BPM. Avg. Wellhead Rate: 29.3 BPM. Avg. Slurry Rate: 13.9 BPM. Avg. CO2 Rate:14.01 BPM. Avg. Pressure: 4472 PSI. Max. Wellhead Rate: 31.4 BPM. Max. Slurry Rate: 17.2BPM. Max. CO@ Rate: 21.6 BPM. Max. Pressure: 5341PSI. Total Fluid Pumped: 23,543 Gal. Total Sand in Formation: 76,000 lb. (20/40 White Sand) CO2 Downhole: 96 tons. CO2 Cooledown: 10 tons. ISIP: 3260 PSI. Frac Gradient: 0.93 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
9:00 AM	BWWC EL stage 8 North Horn. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6290 ft. PU perforate @ 6222-6227 & 6190-6195, 3JSPF, 120 phasing. 29 gram charges, .370 holes. POOH turn well to frac.
10:30 AM	HES Frac stage 8 North Horn 60Q foam frac. Load & Break @ 3130 PSI @ 16.2 BPM. Avg. Wellhead Rate: 34.7 BPM. Avg. Slurry Rate: 16.2 BPM. Avg. CO2 Rate: 16.8 BPM. Avg. Pressure: 4,576 PSI. Max. Wellhead Rate: 36.8 BPM. Max. Slurry Rate: 21 BPM. Max. CO2 Rate: 23.3 BPM. Max. Pressure: 5,112 PSI. Total Fluid Pumped: 31,189 Gal. Total Sand in Formation: 132,100 lb. (20/40 White Sand) Dropped Qty: 3 perf balls in pad stage & 3 balls in 2# sand stage. CO2 Downhole: 159 Tons. CO2 cooledown: 10 tons. ISIP: 3.081 PSI. Frac Gradient: 0.94 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
11:30 AM	BWWC EL stage 9 North Horn. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5660 ft. PU perforate @ 5578-5588, 3 JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well over to frac.
12:25 PM	HES frac stage 9 North Horn 60Q foam frac. Load & Break @ 3,240 PSI @ 14 BPM. Avg. Wellhead Rate:18.3 BPM. Avg. Slurry Rate: 8.6 BPM. Avg. CO2 Rate: 8.7 BPM. Avg. Pressure:3,366 PSI. Max. Wellhead Rate:21.9 BPM. Max. Slurry Rate:11.4 BPM. Max. CO2 Rate:12.9 BPM. Max. Pressure:3,573 PSI. Total Fluid Pumped:12,486 Gal. Total Sand in Formation:36,000 lb.(20/40 White Sand) CO2 Downhole:53 tons. CO2 Cooledown: 9 tons. ISIP: 2,884 PSI. Frac Gradient: 0.96 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush 500 gal. fluid cap.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/7/2008

Report # : 9

AFE # : 14627D

Summary	End Time	Description
Flow stages 1-11. SI for EL work. EL stage 12. Frac #12. EL stage 13. Frac #13. EL stage 14. Frac #14. EL stage 15. Frac #15. EL stage 16. Frac #16. SI. Rig off well. Flow stages 1-16 through Opsco flow equipment.	11:30 AM	HES Frac stage 14 Middle Wasatch 50Q foam frac. Load & Break @4,540 PSI @16.1 BPM. Avg. Wellhead Rate:30.2 BPM. Avg. Slurry Rate:17.2 BPM. Avg. CO2 Rate:11.4 BPM. Avg. Pressure:3,128 PSI. Max. Wellhead Rate:35.5 BPM. Max. Slurry Rate:21.5 BPM. Max. CO2 Rate:16 BPM. Max. Pressure:4,540 PSI. Total Fluid Pumped: 22,501 Gal. Total Sand in Formation: 68,400lb.(20/40 White Sand) CO2 Downhole: 63 tons. CO2 Cooldown: 4 tons. ISIP: 2,370 PSI. Frac Gradient: 0.95 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
	12:30 PM	BWWC EL stage 15 Middle Wasatch. PU HES CFP with 14 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP 4620 FT. PU perforate @ 4538-4552, 3JSPF, 120 phasing, 29 gram charges. .370 holes. POOH turn well to frac.
	1:20 PM	HES frac stage 15 Middle Wasatch 50Q foam frac. Load & Break @ 5,056 PSI @ 14.6 BPM. Avg. Wellhead Rate: 35.1 BPM. Avg. Slurry Rate: 20.2 BPM. Avg. CO2 Rate: 13.1 BPM. Avg. Pressure: 3,733 PSI. Max. Wellhead Rate: 37.2 BPM. Max. Slurry Rate: 23.2 BPM. Max. CO2 Rate: 18.2 BPM. Max. Pressure: 3,920 PSI. Total Fluid Pumped: 28,995 Gal. Total Sand in Formation: 92,200 lb.(20/40 White Sand) CO2 Downhole: 85 tons. CO2 Cooldown: 4 tons. ISIP; 2,790 PSI. Frac Gradient: 1.05 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.
	2:10 PM	BWWC El stge 16. Middle Wasatch. PU HES CFP with 8 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @4500 ft. PU perforate @ 4464-4466, 4458-4460, 4450-4452 & 4423-4425, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well over to frac.
	3:20 PM	HES Frac stage 16 Middle Wasatch 50Q foam frac. Load & Break @ 5,236 PSI @ 16.2 BPM. Avg. Wellhead Rate:34.8 BPM. Avg. Slurry Rate:20.3 BPM. Avg. CO2 Rate: 12.8 BPM. Avg. Pressure: 4,255 PSI. Max. Wellhead Rate:45.2 BPM. Max. Slurry Rate:29.1 BPM. Max. CO2 Rate:15.6 BPM. Max. Pressure: 5,236 PSI. Total Fluid Pumped: 34,058 Gal. Total Sand in Formation: lb. (20/40 White Sand) CO2 Downhole: 106 tons. CO2 Cooldown: 8 tons. ISIP:3,224 PSI. Frac Gradient:1.17 psi/ft. Successfully flushed wellbore with 50Q foam 10 bbl over flush with 500 gal. fluid cap.
	4:30 PM	SI rig off well
	11:59 PM	Flow stages 1-16 through Opsco Flow equipment. clean up for production sales.

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/7/2008

Report # : 9

AFE # : 14627D

Summary : Flow stages 1-11. SI for EL work. EL stage 12. Frac #12. EL stage 13. Frac #13. EL stage 14. Frac #14. EL stage 15. Frac #15. EL stage 16. Frac #16. SI. Rig off well. Flow stages 1-16 through Opsco flow equipment.

End Time

Description

4:00 AM

Flow stages 1-11 FCP:1075 on 48 ck. recovered 463 bbl in 10 hours. avg. of 46.3 BPH.

5:30 AM

SI for EL work

7:00 AM

Black Warrior EL stage 12 North Horn. PU HES CFP with 6 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5360 ft. PU perforate @ 5274-5280, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.

8:15 AM

HES Frac stage 12 North Horn 60Q foam frac. Load & Break @ 3,583 PSI @ 18 BPM. Avg. Wellhead Rate: 19.7 BPM. Avg. Slurry Rate: 9.5 BPM. Avg. CO2 Rate: 9.3 BPM. Avg. Pressure: 3,663 PSI. Max. Wellhead Rate: 20.8 BPM. Max. Slurry Rate: 11.5 BPM. Max. CO2 Rate: 12.7 BPM. Max. Pressure: 3,795 PSI. Total Fluid Pumped: 11,052 Gal. Total Sand in Formation: 24,200 lb. (20/40 White Sand) CO2 Downhole: 37 tons. CO2 Cooldown: 7 tons. ISIP: 2,710 PSI. Frac Gradient: 0.95 PSI. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.

9:00 AM

BWWC EL stage 13 Lower Wasatch. PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5190 ft. PU perforate @ 5112-5117 & 4909-4914, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.

9:45 AM

HES frac stage 12 Lower Wasatch 50Q foam frac. Load & Break @ 3,460 PSI @ 18 BPM. Avg. Wellhead Rate: 19.9 BPM. Avg. Slurry Rate: 11.4 BPM. Avg. CO2 Rate: 7.5 BPM. Avg. Pressure: 3,438 PSI. Max. Wellhead Rate: 24.1 BPM. Max. Slurry Rate: 13.3 BPM. Max. CO2 Rate: 13.3 BPM. Max. Pressure: 4,734 PSI. Total Fluid Pumped: 12,058 Gal. Total Sand in Formation: 27,900 lb. (20-40 White Sand) CO2 Downhole: 34 tons. CO2 Cooldown: 4 tons. ISIP: 2,930 PSI. Frac Gradient: 1.03 psi/ft. Dropped Qty: 3 perf balls in pad stage and 3 balls in 2# sand stage. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.

10:40 AM

BWWC EL stage 14 Middle Wasatch. PU HES CFP with 19 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 4750 ft. PU perforate @ 4647-4666, 3JSPF, 120 phasing, 29 gram charges, .370 holes. POOH turn well to frac.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

tfallang
CONFIDENTIAL

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-73668

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear / UTU-79487

8. Well Name and No.
Prickly Pear Unit Federal 6-18D-12-15

2. Name of Operator
Bill Barrett Corporation

9. API Well No.
43-007-31317

3a. Address
1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. (include area code)
303-312-8134

10. Field and Pool or Exploratory Area
Undesignated/Wasatch-Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW, 533' FNL, 586' FWL
Sec. 18, T12S-R15E

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity report from 8/8/08 through 8/20/08 (report #'s 10-11).

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature *Tracey Fallang*

Date 08/22/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on page 2)

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AUG 27 2008

REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SEW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/9/2008

Report # : 11

AFE # : 14627D

Summary : Flow stages 1-16. Si. put to Production sales.

End Time

Description

6:00 AM

Flow stages 1-16 FCP:880 psi on 1" ck. recovered 275 bbl in 24 hours, avg. of 11.45 BPH. Gas rate: 8.168 MMCFD. CO2: 9%.

3:30 PM

Flow stages 1-16

4:00 PM

Si. Rig to sales.

11:59 PM

Flow casing to sales.

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SEW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/8/2008

Report # : 10

AFE # : 14627D

Summary : Flow stages 1-16

End Time

Description

6:00 AM

Flow stages 1-16.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-73668

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Bill Barrett Corporation

3a. Address
1099 18th Street, Suite 2300
Denver, CO 80202

3b. Phone No. (include area code)
303-312-8134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWNW, 533' FNL, 586' FWL
Sec. 18, T12S-R15E

7. If Unit of CA/Agreement, Name and/or No.
Prickly Pear / UTU-79487

8. Well Name and No.
Prickly Pear Unit Federal 6-18D-12-15

9. API Well No.
43-007-31317

10. Field and Pool or Exploratory Area
Undesignated/Wasatch-Mesaverde

11. Country or Parish, State
Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Activity</u>	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity report from 8/21/08 through 8/28/08 (report # 12).

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Tracey Fallang

Title Environmental/Regulatory Analyst

Signature *Tracey Fallang*

Date 08/29/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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(Instructions on page 2)

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SEP 08 2008

DIV. OF OIL, GAS & MINING

REGULATORY COMPLETION SUMMARY



Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 8/24/2008

Report # : 12

AFE # : 14627D

Summary : Production. MIRU IPS Coil tubing and N2. Weatherford Down hole equipment. Drill CFPs. 1-15 POOH RD coil unit. Flow back.

End Time	Description
5:00 AM	Production
6:45 AM	Rig IPS Coil tbg unit.
7:00 AM	PU Weatherford Downhole motor jars, 4 bladed drag bit, Pull test, pressure test coil. pump test motor.
7:20 AM	IPS RIH with BHA pumping .50 BPM fluid with 500 SCFM N2.
8:03 AM	Tag drill CFP # 15 @ 4509 ft. drill out 1.75 bpm with 500 scfm N2
8:54 AM	RIH tag 4627 ft. drill out plug. pump sweep
10:00 AM	RIH tag CFP #13 @ 4758 ft. drill out pumping 1,75 BPM. 500 SCFM N2
10:45 AM	RIH tag CFP #12 @ 5199 ft. drill out pumping 1.75 BPM with 500 SCFM N2. pump sweep
11:20 AM	RIH tag CFP #11 @ 5372 ft drill out pumping 1.75 BPM. with 500 scfm N2. pump sweep.
12:36 PM	RIH tag CFP # 10 @ 5498 ft. drill out . pump sweep.
1:25 PM	RIH tag CFP # 9@ 5548 ft. drill out, pumping 1.75 bpm. 500 scfm N2. pump sweep.
2:14 PM	RIH tag CFP # 8 @ 5668 ft. drill out pumping 1.75 BPM. with 500 SCFM N2. pump sweep.
3:00 PM	RIH tag CFP # 7 @ 6299 ft. drill out . pumping 1.75 BPM.with 500 SCFM N2. Pump sweep.
4:50 PM	RIH tag CFP #6 @ 6811 ft. drill out. Pump 1.75 BPM. with 500 scfm N2. pump sweep
5:35 PM	RIH tag CFP #5 @ 6885 ft. drill out. pumping 1.75 BPM. with 500 SCFM N2. pump sweep.
6:35 PM	RIH tag CFP #4 @ 6978 ft. drill out. pumping 1.75 BPM. with 500 SCFM. N2. pump sweep.
7:35 PM	RIH tag CFP #3 @ 7109 ft. drill out pumping 1.75 BPM with 500 SCFM N2. pump sweep.
8:40 PM	RIH tag CFP #2 @ 7111 ft. drill out. pump 1.75 BPM. with 500 SCFM N2. pump sweep.
8:40 PM	RIH tag CFP #1 @ 7439 ft. drill out pump 1.75 BPM. with 500 scfm N2. pump sweep.
11:00 PM	RIH tag @ 7800 ft. pump sweep. start out pulling slow. pumping 1 BPM. with 700 SCFM N2. pump sweep.
11:59 PM	Tbg out of hole. RIG off coil unit. lay down tools

tfallang
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1804-0137
Expires July 31, 2010

COPY

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-73668

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. Prickly Pear / UTU-79487
2. Name of Operator Bill Barrett Corporation		8. Well Name and No. Prickly Pear Unit Federal 6-18D-12-15
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	3b. Phone No. (include area code) 303-312-8134	9. API Well No. 43-007-31317
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NWNW, 533' FNL, 586' FWL Sec. 18, T12S-R15E		10. Field and Pool or Exploratory Area Undesignated/Wasatch-Mesaverde
		11. Country or Parish, State Carbon County, UT

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Report</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Weekly completion activity report from 09/12/08 through 09/18/08 (report #'s 13-15).

RECEIVED
SEP 22 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tracey Fallang	Title Environmental/Regulatory Analyst
Signature <i>Tracey Fallang</i>	Date 09/18/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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REGULATORY COMPLETION SUMMARY

WELLCORE

Well Name : Prickly Pear Fed. #6-18D-12-15

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 9/12/2008

Report # : 13

AFE # : 14627D

Summary : Well on sales

End Time

Description

11:59 PM

Well going to sales

REGULATORY COMPLETION SUMMARY



Well Name : Prickly Pear Fed. #6-18D-12-15 Phase/Area West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 9/14/2008 Report # : 15

AFE # : 14627D

Summary	End Time	Description
FCP 520. RD Swivel. RIH from 4340' to 7820' 247 jts. RU Weatherford N2 Pump bit off, blow well clean. Lay down 110 jts tbg. Land tbg on hanger. ND BOP- NU Production tree. Rig down. Move rig over to 5-18D, RU. Trun well to sales.	7:00 AM	Well flowing to sales
	7:30 AM	Safety Meeting-RIH with tbg to BPTD 7820'
	10:00 AM	PU 110 jts total of 247 jts tag PBD
	12:00 PM	RU Weatherford N2 Blow Well clean
	1:30 PM	Pump bit off @ 2300 psi
	4:00 PM	Lay down 110 jts
	4:30 PM	Land TBG on hanger. 137 jts in hole EOT 4330'.
	7:30 PM	RIG down move rig to 5-18D rig up.
	11:59 PM	Well Going To Sales

Well Name : Prickly Pear Fed. #6-18D-12-15 Phase/Area West Tavaputs

Bottom Hole Display	API #/License
SENW-18-12S-15E-W26M	43-007-31317

Ops Date : 9/13/2008 Report # : 14

AFE # : 14627D

Summary	End Time	Description
Well flowing to sales. MI BWWC EL. Spot BWWC in Rig up, pick up HES solid CBP. RIH set plug @ 4325, POOH RD BWWC, Move EL out. Blow csg down. ND Frac tree, NU BOP and Hydril. PU 3 7/8" drag bit, Weatherford pump off sub. RIH picking up 2 3/8" (yellow band) TBG. Tag kill plug @ 4325'. 137 1/2 jts in hole. RU R&W power swivel. RU Weatherford N2 and Foam Unit. Start N2 Circ. Drill kill plug out. Blow well clean. SDFD Trun Well to Sales	7:00 AM	Well Flowing to sales
	7:30 AM	Safety Meeting- Kill plug, Rih with tbg. Drilling.
	10:30 AM	MI BWWC EL. MI Weatherford N2/ Foam Units.
	11:00 AM	RU BWWC EL
	12:30 PM	PU HES Solid CBP, RIH set plug @ 4325' POOH. RD EL. MO EL.
	2:30 PM	ND Frac Tree, NU BOP-Hydril.
	5:30 PM	PU 3 7/8" blade bit. Weatherford pump off sub. RIH picking up 2 3/8"(yellow band tbg). Tag kill plug @ 4325'. 137 1/2 jts in hole.
	6:00 PM	Rig up R&W power swivel. Rig Weatherford N2 up. Start circ.
	7:00 PM	Drill Kill plug out. Blow well clean.
	11:59 PM	Trun well to sales

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 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
 UTU-73668

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Reserv.,
 Other: _____

6. If Indian, Allottee or Tribe Name
 N/A

7. Unit or CA Agreement Name and No.
 Prickly Pear / UTU-79487

2. Name of Operator
 Bill Barrett Corporation

8. Lease Name and Well No.
 Prickly Pear Unit Federal 6-18D-12-15

3. Address 1099 18th Street, Suite 2300
 Denver, CO 80202

3a. Phone No. (include area code)
 303-312-8134

9. AFI Well No.
 43-007-31317

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface NWNW (Lot 1), 533' FNL, 586' FWL
 At top prod. interval reported below SENW, 1614' FNL, 1358' FWL, Sec. 18
 At total depth SENW, 2182' FNL, 1838' FWL, Sec. 18

10. Field and Pool or Exploratory
 Undesignated / Wasatch-Mesaverde
 11. Sec., T., R., M., on Block and
 Survey or Area
 Sec. 18, T12S-R15E

12. County or Parish
 Carbon County

13. State
 UT

14. Date Spudded
 11/16/2007

15. Date T.D. Reached
 06/04/2008

16. Date Completed 08/08/2008
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
 7554' GL

18. Total Depth: MD 7880'
 TVD 7320'

19. Plug Back T.D.: MD 7810'
 TVD 7250'

20. Depth Bridge Plug Set: MD N/A
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 Triple Combo, CCL/CBL/GR, Mud Log

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16" H40	65#	0	40'		grout cement		Surface	
12 1/4"	9 5/8" J-55	36#	0	1024'		400 Type 5	59 bbls	Surface	
8 3/4" & 7 7/8"	4 1/2" I-100	11.6#	0	7853'		1800 50/50 Poz	320 bbls	300'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch (incl North Horn)	4423'	7080'	4423' - 4466'	0.37"	24	Open
B) Mesa Verde	7133'	7410'	4538' - 4552'	0.37"	42	Open
C)			4647' - 4666'	0.37"	57	Open
D)			4909' - 5117'	0.37"	30	Open

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

Depth Interval	Amount and Type of Material
4423' - 4466'	Stage 16: 70% CO2 foam frac: 106 tons CO2; 921 bbls total fluid; 112,500# 20/40 White sand
4538' - 4552'	Stage 15: 70% CO2 foam frac: 85 tons CO2; 788 bbls total fluid; 92,200# 20/40 White sand
4647' - 4666'	Stage 14: 70% CO2 foam frac: 63 tons CO2; 638 bbls total fluid; 68,400# 20/40 White sand
4909' - 5117'	Stage 13: 70% CO2 foam frac: 34 tons CO2; 400 bbls total fluid; 27,900# 20/40 White sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/08/08	8/16/08	24	→	-0-	4428	81			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
38/64"	SI 0	641	→					Producing	

28a. Production - Interval B

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

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*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Wasatch North Horn	2962' 5274'
				Dark Canyon Price River	7119' 7358'
				TD	7880'

32. Additional remarks (include plugging procedure):

Copies of logs previously submitted under separate cover. In the event log copies were not received, please contact Jim Kinser at 303-312-8163. 7 7/8" hole started at 5854'. Tubing has not been landed in this well. A revised report will be submitted at that time.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

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

Name (please print) Tracey Fallang Title Environmental/Regulatory Analyst
 Signature Tracey Fallang Date 09/18/2008

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Prickly Pear Unit Federal #6-18D-12-15 Report Continued

27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)

26. PERFORATION RECORD (cont.)		AMOUNT AND TYPE OF MATERIAL									
INTERVAL (Top/Bot-MD)	SIZE	NO. HOLES	PERFORATION STATUS	Stg 12	70% CO2 foam frac:	37	tons CO2	415	bbls total fluid	24,200#	20/40 White Sand
5274'	0.37"	18	Open	Stg 11	70% CO2 foam frac:	62	tons CO2	449	bbls total fluid	48,000#	20/40 White Sand
5445'	0.37"	21	Open	Stg 10	70% CO2 foam frac:	103	tons CO2	642	bbls total fluid	84,100#	20/40 White Sand
5518'	0.37"	30	Open	Stg 9	70% CO2 foam frac:	53	tons CO2	418	bbls total fluid	36,000#	20/40 White Sand
5578'	0.37"	30	Open	Stg 8	70% CO2 foam frac:	159	tons CO2	866	bbls total fluid	132,100#	20/40 White Sand
6190'	0.37"	30	Open	Stg 7	70% CO2 foam frac:	96	tons CO2	772	bbls total fluid	76,000#	20/40 White Sand
6728'	0.37"	36	Open	Stg 6	70% CO2 foam frac:	76	tons CO2	540	bbls total fluid	56,300#	20/40 White Sand
6830'	0.37"	36	Open	Stg 5	70% CO2 foam frac:	73	tons CO2	542	bbls total fluid	56,000#	20/40 White Sand
6904'	0.37"	42	Open	Stg 4	70% CO2 foam frac:	121	tons CO2	711	bbls total fluid	92,300#	20/40 White Sand
7070'	0.37"	30	Open	Stg 3	70% CO2 foam frac:	164	tons CO2	668	bbls total fluid	88,800#	20/40 White Sand
7133'	0.37"	75	Open	Stg 2	70% CO2 foam frac:	138	tons CO2	753	bbls total fluid	77,400#	20/40 White Sand
7323'	0.37"	27	Open	Stg 1	70% CO2 foam frac:	126	tons CO2	715	bbls total fluid	96,300#	20/40 White Sand
7712'	7737'	30	75								

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

Directional Surveys

WELLCORE

Location Information		Phase/Area	Surface Location
Business Unit		West Tavaputs	NWNW-18-12S-15E-W26M
Operations		Well Name	Main Hole
Project		Prickly Pear Fed. #6-18D-12-15	
Uinta			

Bottom Hole Information		Survey Section Details					
UWI	API / License #	Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
SENW-18-12S-15E-W26M	43-007-31317	Main	1060.00	5/17/2008	7920.00	7450.00	

Survey Information		
Survey Company	Direction of Vertical Section (°)	Magnetic Dec. Correction (°)
WEATHERFORD	140.88	11.78

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
				1866.65	-1849.65	95.72	S	28.76	E	92.41	0.33
	1872.00	6.13	163.28	1866.65	-1849.65	95.72	S	28.76	E	92.41	0.33
	1968.00	8.56	163.91	1961.84	-1944.84	107.50	S	32.21	E	103.72	2.53
	2064.00	10.31	162.53	2056.53	-2039.53	122.56	S	36.77	E	118.28	1.84
	2160.00	11.63	164.66	2150.77	-2133.77	140.08	S	41.91	E	135.12	1.44
	2256.00	13.00	161.16	2244.55	-2227.55	159.63	S	47.95	E	154.11	1.62
	2350.00	15.63	161.99	2335.61	-2318.61	181.68	S	55.28	E	175.84	2.81
	2447.00	18.75	159.53	2428.24	-2411.24	208.72	S	64.78	E	202.80	3.30
	2543.00	20.81	157.28	2518.56	-2501.56	238.90	S	76.76	E	233.78	2.29
	2639.00	22.88	151.66	2607.66	-2590.66	271.06	S	92.20	E	268.47	3.06
	2735.00	23.81	147.16	2695.79	-2678.79	303.76	S	111.57	E	306.06	2.09
	2831.00	24.88	143.78	2783.25	-2766.25	336.34	S	134.01	E	345.49	1.83
	2928.00	25.88	144.66	2870.89	-2853.89	370.07	S	158.31	E	386.99	1.10
	3024.00	27.94	143.91	2956.48	-2939.48	405.33	S	183.68	E	430.36	2.17
	3118.00	29.81	143.66	3038.78	-3021.78	441.95	S	210.50	E	475.69	1.99
	3214.00	32.06	143.66	3121.11	-3104.11	481.69	S	239.74	E	524.97	2.34
	3310.00	33.88	143.16	3201.64	-3184.64	523.63	S	270.88	E	577.16	1.92
	3406.00	35.81	143.28	3280.42	-3263.42	567.56	S	303.71	E	631.95	2.01
	3502.00	37.63	141.66	3357.36	-3340.36	613.05	S	338.69	E	689.32	2.15
	3598.00	39.44	139.53	3432.44	-3415.44	659.24	S	376.66	E	749.11	2.34
	3695.00	39.44	139.53	3507.35	-3490.35	706.12	S	416.65	E	810.71	0.00
	3791.00	43.00	137.91	3579.53	-3562.53	753.61	S	458.39	E	873.89	3.87
	3887.00	43.69	137.41	3649.34	-3632.34	802.31	S	502.77	E	939.67	0.80
	3983.00	43.44	136.91	3718.90	-3701.90	850.82	S	547.75	E	1005.69	0.44
	4079.00	42.75	135.91	3789.00	-3772.00	898.33	S	592.97	E	1071.08	1.01
	4175.00	42.95	135.78	3859.38	-3842.38	945.17	S	638.45	E	1136.12	0.23
	4271.00	42.75	136.78	3929.77	-3912.77	992.35	S	683.57	E	1201.19	0.74
	4367.00	40.06	134.53	4001.75	-3984.75	1037.76	S	727.91	E	1264.39	3.20
	4463.00	40.25	134.66	4075.12	-4058.12	1081.22	S	771.99	E	1325.93	0.22
	4560.00	40.75	135.03	4148.88	-4131.88	1125.65	S	816.65	E	1388.57	0.57
	4656.00	38.50	137.16	4222.81	-4205.81	1169.73	S	859.12	E	1449.56	2.74
	4752.00	38.81	137.78	4297.78	-4280.78	1213.91	S	899.65	E	1509.42	0.52
	4848.00	32.94	140.78	4375.46	-4358.46	1256.41	S	936.37	E	1565.56	6.38
	4955.00	31.19	140.91	4466.13	-4449.13	1300.46	S	972.23	E	1622.35	1.64
	5045.00	28.44	143.91	4544.20	-4527.20	1335.86	S	999.55	E	1667.06	3.48
	5137.00	26.81	147.28	4625.70	-4608.70	1371.02	S	1023.67	E	1709.55	2.45
	5233.00	25.28	146.41	4711.94	-4694.94	1406.31	S	1046.71	E	1751.47	1.64
	5239.00	23.13	146.28	4717.41	-4700.41	1408.36	S	1048.07	E	1753.92	35.84
	5425.00	20.63	145.91	4889.98	-4872.98	1465.88	S	1086.72	E	1822.93	1.35
	5617.00	18.25	144.53	5070.99	-5053.99	1518.38	S	1123.12	E	1886.63	1.26
	5714.00	15.38	147.16	5163.81	-5146.81	1541.55	S	1138.91	E	1914.57	3.06
	5810.00	12.88	145.53	5256.89	-5239.89	1561.07	S	1151.87	E	1937.89	2.64
	5842.00	12.56	146.60	5288.10	-5271.10	1566.92	S	1155.81	E	1944.91	1.24
	5938.00	10.69	149.03	5382.12	-5365.12	1583.26	S	1166.13	E	1964.11	2.01
	6034.00	8.44	151.53	5476.77	-5459.77	1597.09	S	1174.07	E	1979.84	2.38
	6130.00	5.56	142.28	5572.02	-5555.02	1606.96	S	1180.28	E	1991.42	3.21

Directional Surveys

WELLCORE

Location Information

Business Unit
Operations
Project
Uinta

Phase/Area
West Tavaputs
Well Name
Prickly Pear Fed. #6-18D-12-15

Surface Location
NWNW-18-12S-15E-W26M
Main Hole

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	6227.00	3.63	148.28	5668.70	-5651.70	1613.29	S	1184.77	E	1999.16	2.05
	6323.00	2.44	158.03	5764.56	-5747.56	1617.77	S	1187.13	E	2004.13	1.35
	6469.00	2.69	138.03	5910.41	-5893.41	1623.20	S	1190.58	E	2010.52	0.63
	6516.00	2.81	126.41	5957.36	-5940.36	1624.71	S	1192.25	E	2012.73	1.21
	6612.00	2.69	118.28	6053.24	-6036.24	1627.17	S	1196.13	E	2017.09	0.42
	6708.00	2.69	111.78	6149.14	-6132.14	1629.07	S	1200.20	E	2021.14	0.32
	6805.00	3.00	111.78	6246.02	-6229.02	1630.86	S	1204.67	E	2025.35	0.32
	6901.00	2.88	112.03	6341.89	-6324.89	1632.70	S	1209.24	E	2029.66	0.13
	6997.00	2.69	110.28	6437.78	-6420.78	1634.38	S	1213.59	E	2033.71	0.22
	7052.00	2.69	110.28	6492.72	-6475.72	1635.28	S	1216.01	E	2035.93	0.00
	7880.00	2.69	110.00	7319.81	-7302.81	1648.66	S	1252.49	E	2069.33	0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

tfallang
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REVISED
RIVISIONS IN YELLOW
FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5- Lease Serial No.
UTU-73668

a- Type of Well Oil Well Gas Well Dry Other
 b- Type of Completion: New Well Work Over Deepen Plug Back Diff. Resrvr,
 Other: _____

6- If Indian, Allottee or Tribe Name
N/A
 7- Unit or CA Agreement Name and No.
Prickly Pear / UTU-79487
 8- Lease Name and Well No.
Prickly Pear Unit Federal 6-18D-12-15

2- Name of Operator
Bill Barrett Corporation
 3- Address 1099 18th Street, Suite 2300
Denver, CO 80202
 3a- Phone No. (include area code)
303-312-8134
 9- AFI Well No.
43-007-31317

4- Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface NWNW (Lot 1), 533' FNL, 586' FWL
 At top prod. interval reported below SENW, 1614' FNL, 1358' FWL, Sec. 18
 At total depth SENW, 2182' FNL, 1838' FWL, Sec. 18
 10- Field and Pool or Exploratory
Undesignated / Wasatch-Mesaverde
 11- Sec., T., R., M., on Block and
Survey or Area
Sec. 18, T12S-R15E
 12- County or Parish
Carbon County
 13- State
UT

14. Date Spudded 11/16/2007
 15. Date T.D. Reached 06/04/2008
 16. Date Completed 08/08/2008
 D & A Ready to Prod.
 17- Elevations (DF, RKB, RT, GL)*
7554' GL

18. Total Depth: MD 7880'
TVD 7320'
 19. Plug Back T.D.: MD 7804'
TVD 7244'
 20. Depth Bridge Plug Set: MD N/A
TVD
 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Triple Combo, CCL/CBL/GR, Mud Log
 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	16" H40	65#	0	40'		grout cement		Surface	
12 1/4"	9 5/8" J-55	36#	0	1024'		400 Type 5	59 bbls	Surface	
8 3/4" & 7 7/8"	4 1/2" I-100	11.6#	0	7853'		1800 50/50 Poz	320 bbls	300'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7722'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch (incl North Horn)	4423'	7080'	4423' - 4466'	0.37"	24	Open
B) Mesa Verde	7133'	7410'	4538' - 4552'	0.37"	42	Open
C)			4647' - 4666'	0.37"	57	Open
D)			4909' - 5117'	0.37"	30	Open

26. Perforation Record

Depth Interval	Amount and Type of Material
4423' - 4466'	Stage 16: 70% CO2 foam frac: 106 tons CO2; 921 bbls total fluid; 112,500# 20/40 White sand
4538' - 4552'	Stage 15: 70% CO2 foam frac: 85 tons CO2; 788 bbls total fluid; 92,200# 20/40 White sand
4647' - 4666'	Stage 14: 70% CO2 foam frac: 63 tons CO2; 638 bbls total fluid; 68,400# 20/40 White sand
4909' - 5117'	Stage 13: 70% CO2 foam frac: 34 tons CO2; 400 bbls total fluid; 27,900# 20/40 White sand

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

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/08/08	8/16/08	24	→	0-	4428	81			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
38/64"	0	641	→					Producing	

28a. Production - Interval B

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

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Wasatch North Horn	2962' 5274'
				Dark Canyon Price River	7119' 7358'
				TD	7880'

32. Additional remarks (include plugging procedure):

Copies of logs previously submitted under separate cover. In the event log copies were not received, please contact Jim Kinser at 303-312-8163. 7 7/8" hole started at 5854'.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

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

Name (please print) Tracey Fallang Title Environmental/Regulatory Analyst
 Signature *Tracey Fallang* Date 09/18/2008

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO
3180
UT-922

May 12, 2009

Bill Barrett Corporation
Attn: Doug Gundry-White
1099 18th Street, Suite 2300
Denver, CO 80202

Re: 3rd Revision to the Consolidated
Wasatch-Mesaverde Formation
PA "A-B-C-D-E" Prickly Pear Unit
Carbon County, Utah

Gentlemen:

The 3rd Revision to the Consolidated Wasatch-Mesaverde Formation PA "A-B-C-D-E", Prickly Pear Unit, CRS No. UTU79487H, is hereby approved effective as of July 1, 2008, pursuant to Section 11 of the Prickly Pear Unit Agreement, Carbon County, Utah.

The 3rd Revision to the Consolidated Wasatch-Mesaverde Formation PA "A-B-C-D-E" results in the addition of 128.73 acres to the participating area for a total of 5,699.77 acres and is based upon the completion of the following wells as being capable of producing unitized substances in paying quantities:

To: 14794

WELL NO.	API NO.	BOTTOM HOLE LOCATION	LEASE NO.
5-18D-12-15	43-007-31316	NW¼NW¼, 18-12S-15E	UTU73668
3-18D-12-15	43-007-31314	NW¼NW¼, 18-12S-15E	UTU73668
6-18D-12-15	43-007-31317	NW¼NW¼, 18-12S-15E	UTU73668

from

16482

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 3rd Revision for the Consolidated Wasatch-Mesaverde Formation PA "A-B-C-D-E", Prickly Pear Unit, and the effective date.

Sincerely,

/s/ Becky J. Hammond

Becky J. Hammond
Chief, Branch of Fluid Minerals

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Enclosure

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OIL, GAS & MINING

C

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
 Address: 1099 18th Street, Suite 2300
 city Denver
 state CO zip 80202 Phone Number: (303) 312-8134

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731317	Prickly Pear Unit Federal 6-18D-12-15		NWNW	18	12S	15E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	16482	14794				7/1/2008	
Comments: Revised based on approval by the BLM to the WSMVD participating area.							6/08/09
<i>BHL = SENEW</i>							

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731314	Prickly Pear Unit Federal 3-18D-12-15		NWNW	18	12S	15E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	16483	14794				7/1/2008	
Comments: Revised based on approval by the BLM to the WSMVD participating area.							6/08/09
<i>BHL = NENEW</i>							

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Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731316	Prickly Pear Unit Federal 5-18D-12-15		NWNW	18	12S	15E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	16484	14794				7/1/2008	
Comments: Revised based on approval by the BLM to the WSMVD participating area.							6/08/09
<i>BHL = SWNW</i>							

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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

6/4/2009

Title

Date

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DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73668
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME: PRICKLY PEAR
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: PPU FED 6-18D-12-15
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43007313170000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0533 FNL 0586 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 Township: 12.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: NINE MILE CANYON
	COUNTY: CARBON
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/15/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Coriolis Meter Test"/>

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

Bill Barrett Corporation (BBC) is submitting this sundry to request permission for a variance for Onshore Order No. 4 to allow the testing of Micro Motion Coriolis Net Oil Computer measurement technology on two phase (oil and water) production, starting on 11/15/2010. As per our meeting held in the Price BLM office on 10/26/2010, BBC is aware that the BLM is currently undergoing a revision to the Onshore Order that may allow for future coriolis metering. As this revision may take some time, BBC is asking for this variance at this time. Detailed information was previously provided to Marvin Hendrick in the BLM Price field office on 10/26/2010 and the same information is also attached to this sundry for your review. Please contact Brady Riley at 303-312-8115 with questions.

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 02, 2010

By: *David K. [Signature]*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 11/1/2010

10/21/10

To: Marvin Hendricks
BLM Price Field Office
125 South 600 West
Price, UT 84501

Mr. Hendricks,

Bill Barrett Corp. is informing the BLM by way of this notice of the desire to test Micro Motion Coriolis Net Oil Computer measurement technology on two phase, combined oil and water production in the West Tavaputs Field.

There will be no changes to the existing approved method of oil measurement. The existing approved method and custody transfer BLM royalty point of measurement is by tank gauging at the tanks on site for each well.

Accordingly, Bill Barrett Corp is requesting no objection to commence this Micro Motion Coriolis Net Oil testing.

Please review the following in support of this request; information is organized as follows:

- Section I: Guidelines of Onshore Order # 4, Measurement of Oil
- Section II: Effect on Royalties, Accountability
- Section III: Intent of Testing Micro Motion Coriolis Net Oil technology
- Section IV: Surface Impact Reductions Review
- Section V: References
- Section VI: Identification of Test Sites
- Section VII: Method of Coriolis Net Oil Measurement
- Section VIII: Measurement Data
- Section IX: Micro Motion Meter & Net Oil Computer Information
- Section X: Field Installations
- Section XI: Attachments Summary

I. Guidelines of Onshore Order # 4, Measurement of Oil

This testing of Micro Motion Coriolis Net Oil measurement technology will be conducted in accordance with the guidelines and directives found in Section E of Onshore Order #4, BUREAU OF LAND MANAGEMENT 43 CFR 3160 ; Onshore Oil and Gas Operations; Federal and Indian Oil & Gas Leases; Onshore Oil and Gas Order No. 4; Measurement of Oil.

Excerpts from Section E in Order #4 are cited here:

E. Oil Measurement by Other Methods or at Other Locations Acceptable to the Authorized Officer.

Any method of oil measurement, other than tank gauging or positive displacement metering system, requires prior approval, based on applicable API Standards, by the authorized officer. Other measurement methods include, but are not limited to: Turbine metering systems, Measurement by calibrated tank truck, Measurement by weight, and Net oil computer.

The requirements and minimum standards for oil measurement on the lease, unit, unit participating area, or communitized area by an alternate method, or at a location off the lease, unit, unit participating area, or communitized area by either an authorized or an alternate method of measurement, are as follows:

1. *Measurement on the Lease, Unit, Unit Participating Area, Communitized Area.*

An application for approval of an alternate oil measurement method shall be submitted to the authorized officer and written approval obtained before any such alternate oil measurement method is operated. Any operator requesting approval of any alternate oil sales measurement system shall submit performance data, actual field test results, or any other supporting data or evidence acceptable to the authorized officer, that will demonstrate that the proposed alternate oil sales measurement system will meet or exceed the objectives of the applicable minimum standard or does not adversely affect royalty income or production accountability.

II. Effect on Royalties, Accountability

- Bill Barrett Corp. does not expect any adverse affect on royalty income or production accountability, as all currently approved methods for royalty determinations and accountability in place will remain throughout this proposed testing.

III. Intent of Testing Micro Motion Coriolis Net Oil measurement

- The intent of our testing of the Micro Motion Coriolis Net Oil technology for two phase oil and water measurement is to validate the accuracy and repeatability of this measurement method for future use within our West Tavaputs development.

IV. Surface Impact Reductions Review

- The justification for this testing request is a function of both BLM and Bill Barrett Corp. preferences for less surface disturbance at each Central Tank Battery.
- Successful testing and the eventual approval for use of this two-phase liquid measurement method will reduce the number of tanks at each Central Tank Battery, and minimize the number of lines buried in regards to Test and Proposed Area.
- Further, it is our opinion that the use of Micro Motion Coriolis Net Oil measurement and combined two-phase oil and water gathering lines to centralized tank batteries will not only allow for the significant reduction of required surface production/tank storage infrastructure and improvement in the overall aesthetics of our development, but also facilitate operational efficiency gains by keeping the gathering system as simplistic as possible.

V. References

- Stuart Cerovski (Lander BLM), Brian Hilgers (Noble Energy)
 - i. Implemented 20 Coriolis meters measuring oil coming off the the oil dumps on their separators. Allocating using Coriolis and custody transfer through tanks
- Greg Noble (Pinedale BLM)
 - i. Shell initiated field-wide use of the Coriolis Meter
- Daryl Gronfur (North Dakota Oil & Gas Commission)
 - i. Very knowledgeable on the use of Coriolis meters in the North Dakota/Montana region

VI. Identification of Test sites

VII.

- The specific wells ID'd for Net Oil measurement testing are as follows:
 - Peter's Point # 10-35
 - Prickly Pear # 6-18

VIII. Method of Coriolis Net Oil Measurement

- The combined two phase oil and H2O will be measured with the Micro Motion Coriolis "F" meter and low power Net Oil Computer transmitter/RTU platform.

IX. Measurement Data

- The data from each well's Micro Motion Coriolis Net Oil measurement will be compiled and compared against the tanks on site.
- The method of data capture will be accomplished two ways:
 - via the local display on the Net Oil Computer transmitter/RTU
 - via SCADA to our central control.
- The Net Oil Computer/RTU will be used to transmit data to Bill Barrett's SCADA/Control system, where the appropriate data will be tracked and recorded. Also, the NOC RTU will display process variables, handle alarms and more.

X. Micro Motion Coriolis Meter and Net Oil Computer Information

- The Micro Motion F Coriolis meters are calibrated to NIST traceable tolerances from the factory located in Boulder, CO.
- These Micro Motion Coriolis "F" meters have accuracy specifications as follows:
 - +/-0.15% on measured volume,
 - +/-0.10% for mass flow,
 - +/-0.001 g/cc for density.
- Furthermore, the meter repeatability is +/-0.05% of rate. (The stated flow accuracy includes the combined effects of repeatability, linearity and hysteresis.)
- Attached is an example of a Micro Motion Coriolis meter's calibration and NIST Traceable Calibration Certification document, see **Attachment #4**.
- Each meter will be equipped with an Emerson Micro Motion Net Oil Computer (NOC) transmitter/RTU with a digital display. This will have readouts for daily and monthly volume totals as well as a totalizer that cannot be reset. Please see the appropriate attachments for the meter and Net Oil Computer details.

XI. Field Installations

- To ensure flow conditions are optimal and in accordance with API 5.6 general guidelines and the manufacturer's recommendations, the production Coriolis meters will be installed upstream of the oil level control dump valve, which will also function as a back pressure regulator (BPR).
- In accordance with general guidelines outlined in API 5.6, Measurement of Liquid Hydrocarbons by Coriolis meters, after the Coriolis meters are installed in the field, the meter's zero will be verified.

XII. Attachments Summary

- Map showing Lease/Well numbers & location of wells test sites, **Attachment # 1**
- The proposed method for the Net Oil production measurement is to use a Micro Motion "F" Coriolis meter and Net Oil Computer (NOC) RTU/Transmitter on the liquid outlet of each separator under level controlled flow conditions. See **Attachments # 2**.
- The Coriolis meters have been properly sized for the daily production and instantaneous rate through the level dump valve, per Micro Motion's meter sizing calculation spreadsheet, see **Attachment # 3**.
- Sample Micro Motion meter calibration documentation, **Attachment # 4**.

Thank you for your time and consideration; please advise at your earliest opportunity.

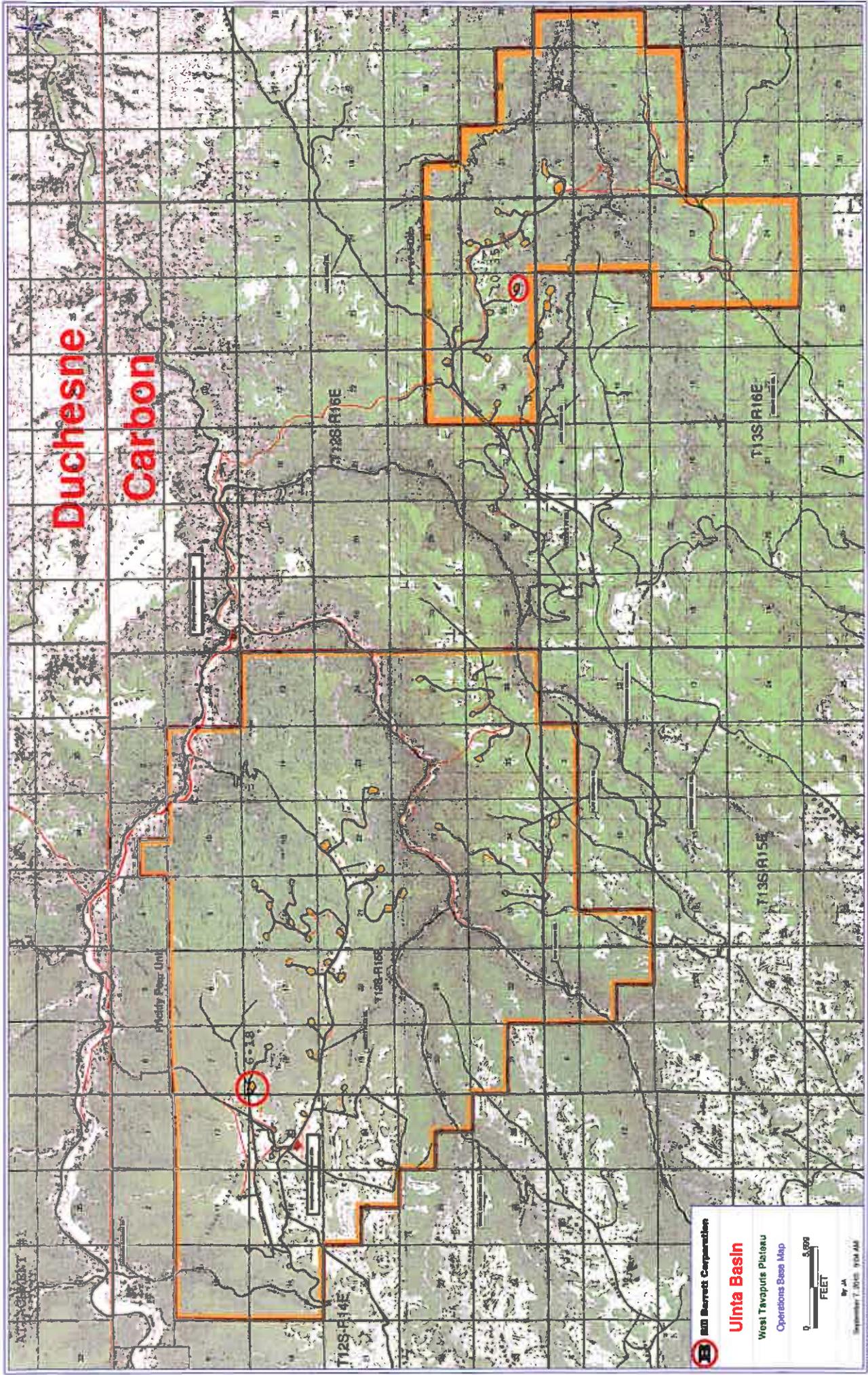
Respectfully Submitted,

Daniel Seaver

ATTACHMENT LIST

- Attachment 1 – Micro Motion Net Oil test sites identified on lease/well map
- Attachment 2 – Micro Motion Coriolis meter & Net Oil Computer (NOC) information
- Attachment 3 – Meter sizing sheet
- Attachment 4 – Sample Meter Calibration documents

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Uinta Basin

West Tavapits Plateau
Operations Base Map

0 5,000
FEET

By JJA
September 7, 2010 10:58 AM



FB107 Micro Motion Net Oil Computer (NOC) Introduction Overview

The FB107 Spartan Net Oil Computer (NOC) platform uses a Micro Motion Coriolis Mass Flow Meter/Sensor to calculate the net oil and water present in an emulsion stream.

Water cut determination can be made by comparing the measured emulsion density to the reference densities of free oil and water.

The net oil computer calculates the volume correction factor using the temperature effect on the densities of oil and water; Uncorrected volumes can also be calculated/totaled.

For higher pressure applications, the NOC has the capability with a separate pressure input, to calculate the pressure effect on the density of oil.

Using the water cut and the volume correction factors, the emulsion flow is factored to determine the net oil and water at standard conditions.

The program provides up to two net oil calculations and as an option, can be scaled for up to four net oil meter calculations.

Additionally, gas measurement through the system can be accommodated if desired.

The standard Emerson touch screen display panel provides a user interface for starting and stopping tests and changing key parameters. The operator interface can stop and start tests monitor production numbers and enter meter factors from the display. The NOC program can also be run without a display.

Technical Overview

There are 2 program options available for the system. The 100 series software has 40 liquid compositions and 1 common gas composition. The 200 series software has 15 liquid and 15 gas compositions available.

The system has 2 operating modes available. The modes are the "Well Test" and the Production or "Continuous" (referred to as "LACT") test mode. In the well test mode the system will allow daily production to be tested for oil, water and gas production. The system has a database for each well containing oil density, water density and well identifiers.

The system uses a single editable gas composition for the 100 series software and individual gas compositions in the series 200 software. The well test mode prorates measurement to a 24 hour test. If the test is stopped prior or extended beyond 24 hours the production data will be prorated to a 24 hour test.

In LACT mode the well test will run continuously. Daily production numbers will be recorded based on the contract hour configured in the FB107.

Both well test and LACT mode allows measurement of either a 2 phase or 3 phase separator. The measurements can be made by Micro Motion Coriolis meters or Turbine meters for the liquid measurement.

If gas measurement is contemplated, the gas measurement is made using an Emerson 205 MVS 3-1 transmitter.

The system can provide water cut measurement by a number of methods.

The common method is using a Micro Motion Coriolis meter density measurement for inferred water cut.

Software Interface

The software used for configuration of the FB107 is the Emerson ROCLINK 800 program.

There is an additional utility program available for use with the FB107 ROCNOC user programs.

The program is the FB107 ROCNOCWIN software. The software allows the user to make most configuration changes to the user program as done with ROCLINK 800.

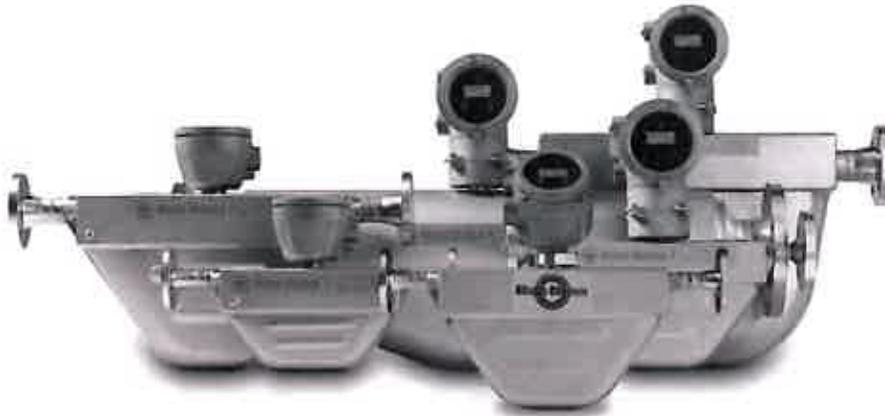
Product Data Sheet

PS-00603, Rev. J

July 2010

Micro Motion® F-Series Coriolis Flow and Density Meters

Micro Motion® F-Series Coriolis meters offer highly accurate mass flow, volume flow, and density measurement in a compact design. F-Series meters come with a smooth exterior finish that can easily be kept clean, and all F-Series meters can be installed to be self-draining.



Best flow and density measurement in a compact, drainable flow meter

- Superior sensitivity in a compact design to reduce variability in process control
- Cleanable self-draining design enables fast product change-over

Broadest range of application coverage

- 2-wire loop-powered option for installation simplification
- Supports Wireless THUM™, PROFIBUS-DP, and DeviceNet™ protocols for maximum operational versatility
- Stainless steel or nickel alloy construction and high temperature and pressure options for a variety of process fluids and conditions

Superior reliability and safety

- Enables Smart Meter Verification for quick, complete meter diagnosis without process interruption
- IEC 61508 certified for SIL 2 and SIL 3 to simplify safety systems compliance

ELITE® Peak performance Coriolis meter

ELITE HC Peak performance high capacity meter

F-Series High performance compact drainable Coriolis meter

H-Series Hygienic compact drainable Coriolis meter

T-Series Straight tube full-bore Coriolis meter

R-Series General purpose flow-only Coriolis meter

LF-Series Extreme low-flow Coriolis meter

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Micro Motion F-Series flow and density meters

Micro Motion Coriolis meters meet a vast range of application needs, ranging from extreme low-flow up to high-flow, high-capacity lines. Cryogenic, hygienic, high-temperature, and high-pressure—Micro Motion meters can handle them all. Micro Motion meters are available with a variety of wetted parts to ensure the best material compatibility. Now with the industry's only 2-wire Coriolis option, Micro Motion provides unsurpassed simplicity of installation and application flexibility.

Coriolis meters. Coriolis meters offer dramatic benefits over traditional volumetric measurement technologies. Coriolis meters:

- Deliver accurate and repeatable process data over a wide range of flow rates and process conditions.
- Provide direct inline measurement of mass flow and density, and also measure volume flow and temperature—all from a single device.
- Have no moving parts, so maintenance costs are minimal.
- Have no requirements for flow conditioning or straight pipe runs, so installation is simplified and less expensive.
- Provide advanced diagnostic tools for both the meter and the process.

F-Series Coriolis meters. Micro Motion F-Series Coriolis meters have a compact design that fits into tight spaces while offering highly accurate flow and density measurement for virtually any process fluid. With F-Series meters, expensive recalibrations become a thing of the past—a single F-Series calibration is valid for liquids, gases, and slurries.

The accumulated knowledge of Micro Motion is built into every F-Series meter. Now with Smart Meter Verification, F-Series meters deliver outstanding reliability and ease of use for critical applications. F-Series meters are available with either stainless steel or nickel-alloy wetted parts, allowing you to choose the material that is most compatible with your process fluid. And certain F-Series models are available for high-temperature and high-pressure applications.

Contents

Liquid flow performance	3	Hazardous area classifications	10
Density performance (liquid only)	4	Materials of construction	17
Gas flow performance	5	Weight	17
Temperature specifications	7	Dimensions	18
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Liquid flow performance

		Mass		Volume ⁽¹⁾	
		lb/min	kg/h	gal/min	l/h
Maximum flow rate	F025	100	2720	12	2720
	F050	300	8160	36	8160
	F100	1200	32,650	144	32,650
	F200	3200	87,100	384	87,100
	F300	10,000	272,000	1200	272,000
Mass flow accuracy ^{(2) (3)}		±0.10% of rate ⁽⁴⁾⁽⁵⁾			
Volume flow accuracy ^{(2) (3)}		±0.15% of rate ⁽⁶⁾⁽⁷⁾			
Repeatability		±0.05% of rate ⁽⁴⁾			
		Mass		Volume ⁽¹⁾	
		lb/min	kg/h	gal/min	l/h
Zero stability	F025	0.0065	0.1765	0.0008	0.1765
	F050	0.020	0.544	0.002	0.544
	F100	0.080	2.177	0.010	2.177
	F200	0.256	6.965	0.031	6.965
	F300	0.80	21.76	0.096	21.76

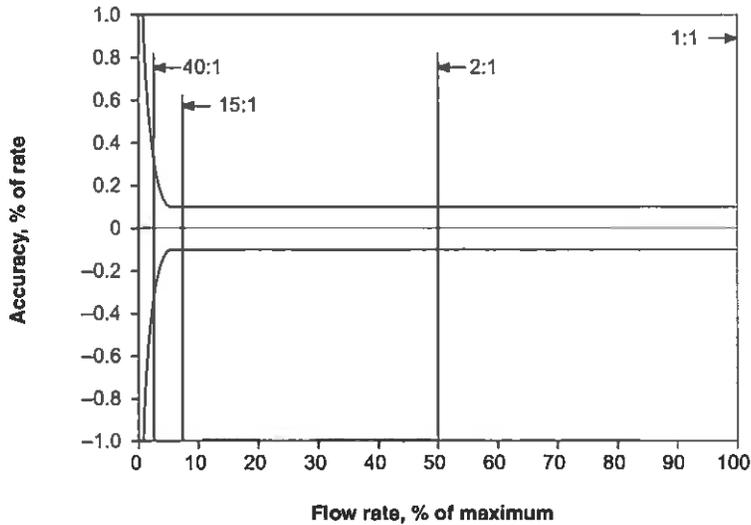
- (1) Volumetric measurement is based on a process-fluid density of 1 g/cm³. For fluids with density other than 1 g/cm³, the volume flow rate equals the mass flow rate divided by the fluid's density.
- (2) Stated flow accuracy includes the combined effects of repeatability, linearity, and hysteresis.
- (3) Accuracy options vary by model. Sensors with Model 2200S transmitter have fewer accuracy options. See Ordering information on page 32.
- (4) When flow rate < (zero stability / 0.001), then mass flow accuracy = ±[(zero stability / flow rate) × 100]% of rate and repeatability = ±½(zero stability / flow rate) × 100% of rate.
- (5) When ordered with the 0.15% calibration option, mass flow accuracy on liquid = ±0.15% when flow rate ≥ (zero stability / 0.0015). When flow rate < (zero stability / 0.0015), then accuracy = ±[(zero stability / flow rate) × 100]% of rate. When ordered with the 0.20% calibration option, mass flow accuracy on liquid = ±0.20% when flow rate ≥ (zero stability / 0.0020). When flow rate < (zero stability / 0.0020), then mass flow accuracy on liquid = ±[(zero stability / flow rate) × 100]% of rate.
- (6) When flow rate < (zero stability / 0.001), then volume flow accuracy on liquid = ±[1.5 × (zero stability / flow rate) × 100]% of rate and repeatability = ±½(zero stability / flow rate) × 100% of rate.
- (7) When ordered with the ±0.15% calibration option, volume flow accuracy on liquid = ±0.25% when flow rate ≥ (zero stability / 0.0017). When flow rate < (zero stability / 0.0017), then volume accuracy on liquid = ±[1.5 × (zero stability / flow rate) × 100]% of rate. When ordered with the ±0.20% calibration option, volume flow accuracy on liquid = ±0.30% when flow rate ≥ (zero stability / 0.002). When flow rate < (zero stability / 0.002), then volume accuracy on liquid = ±[1.5 × (zero stability / flow rate) × 100]% of rate.

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Liquid flow performance *continued*

Typical accuracy, turndown, and pressure drop for Model F050 with Model 1700/2700 transmitter

Pressure drop is dependent on process conditions. To determine accuracy, turndown, and pressure drop with your process variables, use Micro Motion's product selector, available at www.micromotion.com.



<i>Turndown from maximum flow rate</i>	40:1	15:1	2:1
Accuracy (± %)	0.26	0.10	0.10
Pressure drop			
psi	0.1	0.45	14.2
bar	0.01	0.03	0.98

Density performance (liquid only)

Accuracy ⁽¹⁾	±0.001 g/cm ³	±1.0 kg/m ³
Repeatability	±0.0005 g/cm ³	±0.5 kg/m ³
Range	Up to 5 g/cm ³	Up to 5000 kg/m ³

(1) Stated accuracy and repeatability with calibration option 1 (see page 32). With other calibration options, accuracy is ±0.002 g/cm³ (2.0 kg/m³) and repeatability is ±0.001 g/cm³ (±1.0 kg/m³).

Gas flow performance

When selecting sensors for gas applications, measurement accuracy is a function of fluid mass flow rate independent of operating temperature, pressure, or composition. However, pressure drop through the sensor is dependent upon operating temperature, pressure, and fluid composition. Therefore, when selecting a sensor for any particular gas application, it is highly recommended that each sensor be sized using Micro Motion's product selector, available at www.micromotion.com.

	Mass		Volume ⁽¹⁾	
	lb/min	kg/h	SCFM	Nm ³ /h
Typical flow rates that produce approximately 10 psid (0.68 bar) pressure drop on air at 68 °F (20 °C) and 100 psi (6.8 bar)				
F025	4	116	57	90
F050	13	357	174	276
F100	50	1366	667	1055
F200	140	3810	1860	2940
F300	488	14,865	7270	11,512

Typical flow rates that produce approximately 50 psid (3.4 bar) pressure drop on natural gas (MW 16.675) at 68 °F (20 °C) and 500 psi (34 bar)

F025	16	445	378	598
F050	49	1358	1154	1825
F100	189	5162	4387	6936
F200	523	14,490	12,310	19,470
F300	1856	50,989	43,331	72,247

Accuracy⁽²⁾ All transmitters ±0.50% of rate⁽³⁾

Repeatability All transmitters ±0.25% of rate⁽³⁾

Zero stability		lb/min	kg/h
		F025	0.0065
F050	0.020	0.544	
F100	0.080	2.177	
F200	0.256	6.965	
F300	0.80	21.76	

(1) Standard (SCFM) reference conditions are 14.7 psia and 68 °F. Normal (Nm³/h) reference conditions are 1.013 bar-a and 0 °C.

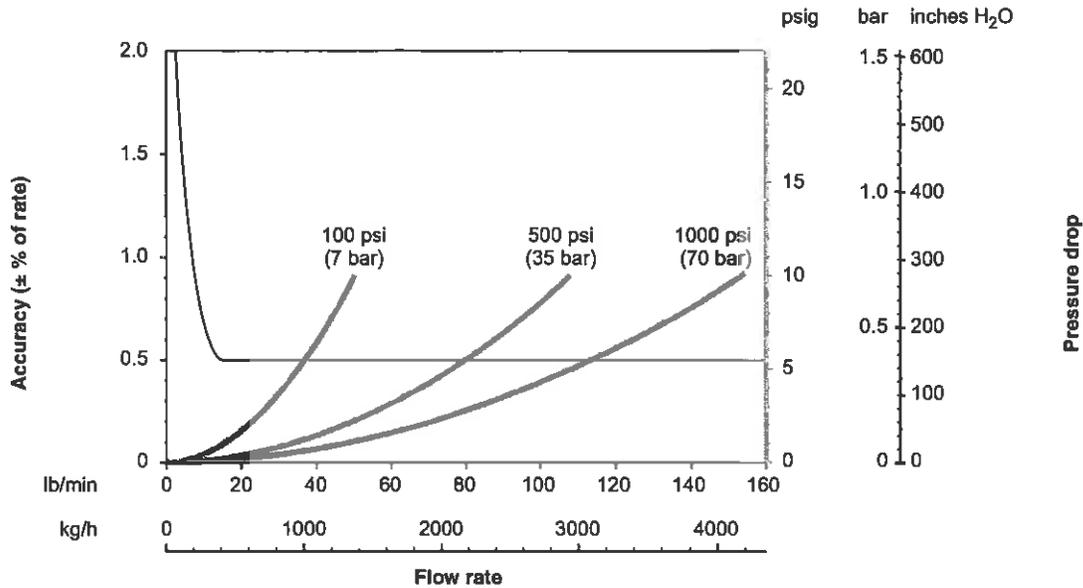
(2) Stated flow accuracy includes the combined effects of repeatability, linearity, and hysteresis.

(3) When flow rate < (zero stability / 0.005), then accuracy = ±[(zero stability / flow rate) × 100]% of rate and repeatability = ±½(zero stability / flow rate) × 100% of rate.

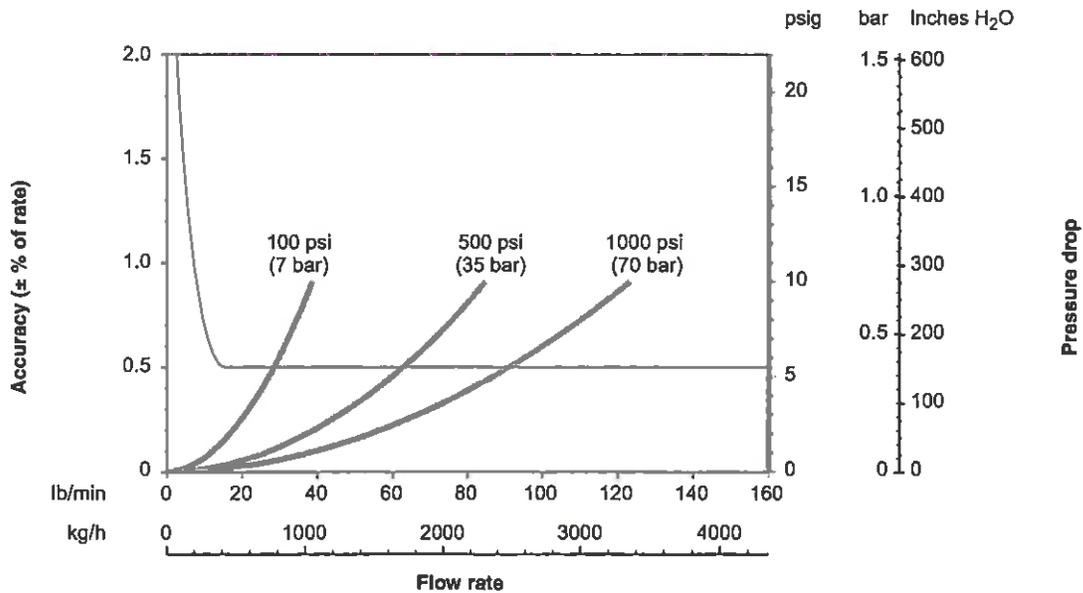
Gas flow performance *continued*

Typical accuracy and pressure drop with F100 with MVD technology

Air at 68 °F (20 °C), static pressures as indicated on graph



Natural gas (MW 16.675) at 68 °F (20 °C), static pressures as indicated on graph



Standard or normal volumetric capability

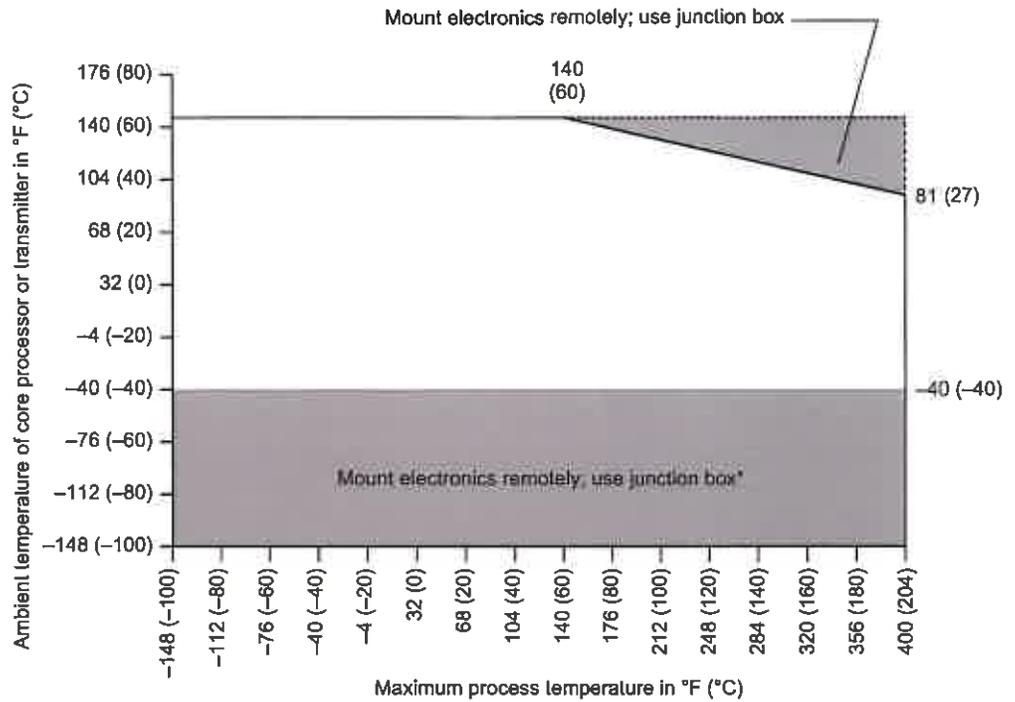
Standard and normal volumes are "quasi mass" flow units for any fixed composition fluid. Standard and normal volumes do not vary with operating pressure, temperature, or density. With knowledge of density at standard or normal conditions (available from reference sources), a Micro Motion meter can be configured to output in standard or normal volume units without the need for pressure, temperature, or density compensation. Contact your local sales representative for more information.

Temperature specifications

Accuracy All models $\pm 1\text{ }^{\circ}\text{C} \pm 0.5\%$ of reading in $^{\circ}\text{C}$

Repeatability All models $\pm 0.2\text{ }^{\circ}\text{C}$

Temperature limits⁽¹⁾⁽²⁾⁽³⁾ All models *except* high-temperature models



* When ambient temperature is below $-40\text{ }^{\circ}\text{F}$ ($-40\text{ }^{\circ}\text{C}$), a core processor must be heated to bring its local ambient temperature to between $-40\text{ }^{\circ}\text{F}$ ($-40\text{ }^{\circ}\text{C}$) and $+140\text{ }^{\circ}\text{F}$ ($+60\text{ }^{\circ}\text{C}$). Long-term storage of electronics at ambient temperatures below $-40\text{ }^{\circ}\text{F}$ ($-40\text{ }^{\circ}\text{C}$) is not recommended.

High-temperature models

Ambient temperature:
 $-40\text{ to }+140\text{ }^{\circ}\text{F}$ ($-40\text{ to }+60\text{ }^{\circ}\text{C}$)

Process temperature:
 $-50\text{ to }+662\text{ }^{\circ}\text{F}$ ($-40\text{ to }+350\text{ }^{\circ}\text{C}$)

- (1) Temperature limits may be further restricted by hazardous area approvals. See pages 10–16.
- (2) For F300 sensors, the difference between the process fluid temperature and the average temperature of the case must be less than $120\text{ }^{\circ}\text{F}$ ($66\text{ }^{\circ}\text{C}$).
- (3) The extended mount option allows the sensor case to be insulated without covering the transmitter, core processor, or junction box, but does not affect temperature ratings.

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Pressure ratings

		Material	psi	bar
Flow tube rating⁽¹⁾⁽²⁾	F025P	Stainless steel	2300	158
	F050P	Stainless steel	5000	345
	F300H	Alloy C-22	2220	153
	All other models	Stainless steel	1450	100
		Alloy C-22	2160	148

PED compliance Sensors comply with council directive 97/23/EC of 29 May 1997 on Pressure Equipment

		ASME B31.3 secondary containment rating⁽²⁾		Burst pressure used to determine ASME B31.3 secondary containment rating	
		psi	bar	psi	bar
		Housing rating⁽³⁾	F025	166	11.4
	F050	135	9.3	1530	105
	F100	109	7.5	1281	88.3
	F200	64	4.4	760	52.4
	F300	256	17.7	2630	180

(1) Process connection rating may differ from sensor rating. Please choose process connections accordingly.

(2) Pressure rating at 77 °F (25 °C), according to ASME B31.3. For operating temperatures above 300 °F (148 °C), pressure needs to be derated as follows. Linear interpolation may be used between specified temperatures.

	Flow tubes		Housing
	316L sensors	Alloy C-22 sensors	All sensors
up to 300 °F (up to 148 °C)	None	None	None
at 400 °F (at 204 °C)	7.2% derating	None	5.4% derating
at 500 °F (at 260 °C)	13.8% derating	4.7% derating	11.4% derating
at 600 °F (at 316 °C)	19.2% derating	9.7% derating	16.2% derating
at 650 °F (at 343 °C)	21.0% derating	11.7% derating	18.0% derating
at 700 °F (at 371 °C)	22.8% derating	13.7% derating	19.2% derating

(3) Sensor housing is rated only when the secondary containment case option is purchased. The secondary containment case option is not available on high-temperature sensors.

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Environmental effects

Process temperature effect

Process temperature effect is defined as:

- For mass flow measurement, the worst-case zero offset due to process fluid temperature change away from the zeroing temperature.
- For density measurement, the maximum measurement offset due to process fluid temperature change away from the density calibration temperature.

	Process temperature effect		
	% of maximum flow rate per °C	density accuracy per °C ⁽¹⁾	
		g/cm ³	kg/m ³
F025	±0.00175	±0.0001	±0.1
F050	±0.00175	±0.0001	±0.1
F100	±0.00175	±0.0001	±0.1
F200	±0.00175	±0.0001	±0.1
F300	±0.0040	±0.0001	±0.1

Pressure effect

Pressure effect is defined as the change in sensor flow and density sensitivity due to process pressure change away from the calibration pressure⁽²⁾. Pressure effect can be corrected.

	Pressure effect on mass flow accuracy	
	% of rate per psi	% of rate per bar
F025	None	None
F050	None	None
F100	None	None
F200	-0.001	-0.015
F300	-0.001	-0.015

	Pressure effect on density accuracy	
	g/cm ³ per psi	kg/m ³ per bar
F025	None	None
F050	None	None
F100	None	None
F200	-0.00003	-0.43
F300	-0.00003	-0.43

(1) For -100 °C and above.

(2) To determine factory calibration pressure, refer to the calibration document shipped with your sensor. If the data is unavailable, use 20 psi (1.4 bar).

Vibration limits

Meets IEC 68.2.6, endurance sweep, 5 to 2000 Hz, 50 sweep cycles at 1.0 g

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Hazardous area classifications

CSA and CSA C-US

Models F025, F050, F100, and F200 with junction box	Ambient temperature: +140 °F max. (+60 °C max.) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
---	--

All models with Model 2400S transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C) Class I, Div. 2, Groups A, B, C, and D
---	---

Models F025, F050, F100, and F200 with core processor, Model 2200S, or Model 1700/2700 transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
--	--

Models F300S and F300H with junction box	Ambient temperature: +140 °F max. (+60 °C max.) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
--	--

Models F300S and F300H with core processor, Model 2200S, or Model 1700/2700 transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
---	--

All high-temperature models with junction box	Ambient temperature: +140 °F max. (+60 °C max.) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
---	--

All high-temperature models with core processor, or Model 1700/2700 transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
---	--

UL

Models F025, F050, F100, and F200 with junction box	Ambient temperature: -4 to +104 °F (-20 to +40 °C) Class I, Div. 1, Groups C and D Class I, Div. 2, Groups A, B, C, and D Class II, Div. 1, Groups E, F, and G
---	---

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Hazardous area classifications *continued*

IECEx⁽¹⁾

All models with Model 2400S transmitter	Ex nA II T1–T5
Models F025, F050, F100, F200 with core processor or Model 1700/2700 transmitter	Ex ib IIC T1–T5
Models F025, F050, F100, F200 with Model 1700/2700 transmitter with THUM adapter	Ex ib IIC T1–T4
Models F025, F050, F100 and F200 with junction box	Ex ib IIC T1–T6
Model F300S and F300H with core processor or Model 1700/2700 transmitter	Ex ib IIB T1–T5
Model F300S and F300H with Model 1700/2700 transmitter with THUM adapter	Ex ib IIB T1–T4
Models F300S and F300H with junction box	Ex ib IIB T1–T6
Models F025, F050, F100, F200 with Model 2200S transmitter	Ex ib IIC T1–T4
Model F300S and F300H with Model 2200S transmitter	Ex ib IIB T1–T4

NEPSI⁽¹⁾

All models with Model 2400S transmitter	Ex nA II T1–T5
Models F025, F050, F100, F200 with core processor or Model 1700/2700 transmitter	Ex ib IIC T1–T5
Models F025, F050, F100 and F200 with junction box	Ex ib IIC T1–T6
Model F300S and F300H with core processor or Model 1700/2700 transmitter	Ex ib IIB T1–T5
Models F300S and F300H with junction box	Ex ib IIB T1–T6

ATEX

All models with Model 2400S transmitter	  II 3G Ex nA II T1–T5 II 3D Ex tD A22 IP65 T ⁽¹⁾ °C
---	--

(1) Refer to the ATEX temperature graphs on the following pages for ambient and process temperature limits.

Hazardous area classifications *continued*

ATEX⁽¹⁾

(Certified per BVS 03 ATEX E 176 X)

Models F025, F050, F100, and F200 with integral core processor or Model 1700/2700 transmitter (max. ambient for core processor is +60 °C)

Transmitter with THUM adapter and display

CE 0575 Ex II 2G Ex ib IIB+H₂ T1–T4

Transmitter with THUM adapter, without display

CE 0575 Ex II 2G Ex ib IIC T1–T4

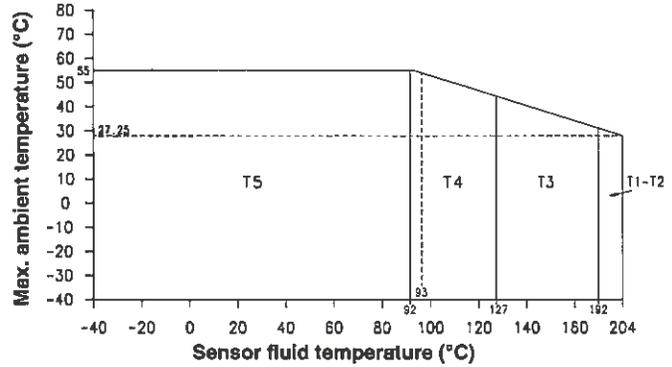
Transmitter with display:

CE 0575 Ex II 2G Ex ib IIB+H₂ T1–T5
II 2D Ex tD A21 IP65 T⁽¹⁾ °C

Core processor or transmitter without display:

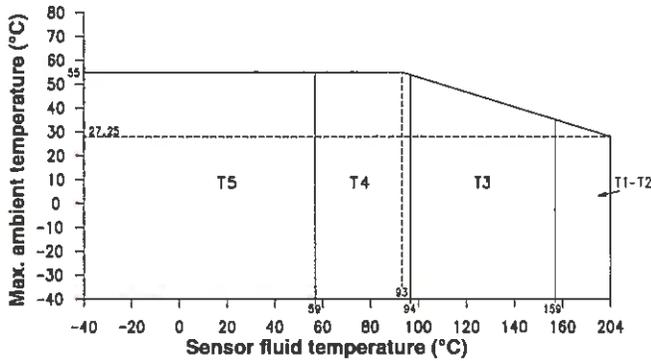
CE 0575 Ex II 2G Ex ib IIC T1–T5
II 2D Ex tD A21 IP65 T⁽¹⁾ °C

F025 and F050 with C.I.C. A2



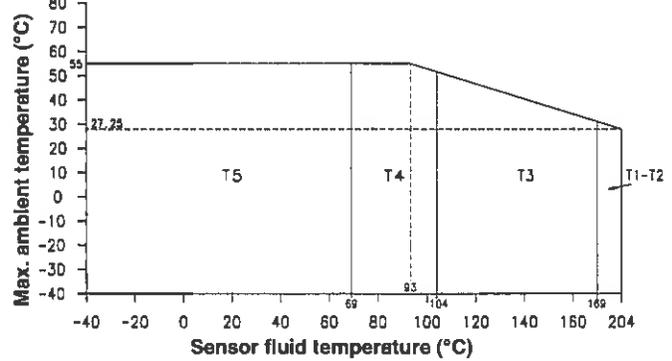
Note 1: The maximum surface temperature for dust is as follows: T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 207°C.
Note 2: When installed with the THUM adapter, the T4 rating spans -40 to +127°C.

F100 with C.I.C. A2



Note 1: The maximum surface temperature for dust is as follows: T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 240°C.
Note 2: When installed with the THUM adapter, the T4 rating spans -40 to +94°C.

F200 with C.I.C. A1



Note 1: The maximum surface temperature for dust is as follows: T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 230°C.
Note 2: When installed with the THUM adapter, the T4 rating spans -40 to +104°C.

(1) ATEX "T" rating depends on the maximum temperature shown in the graphs above.

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Hazardous area classifications *continued*

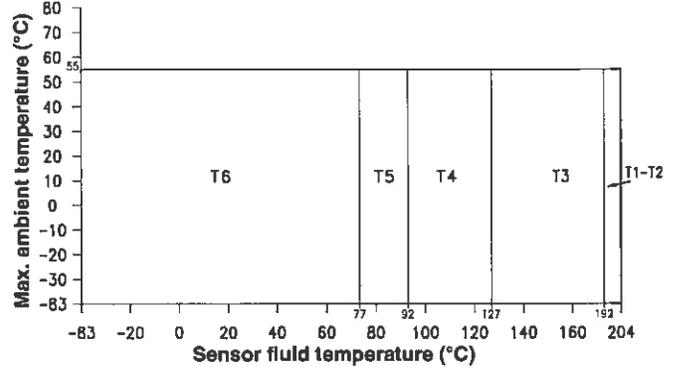
ATEX⁽¹⁾

(Certified per BVS 03 ATEX E 176 X)

Models F025, F050, F100, and F200 with junction box when connected to MVD transmitter

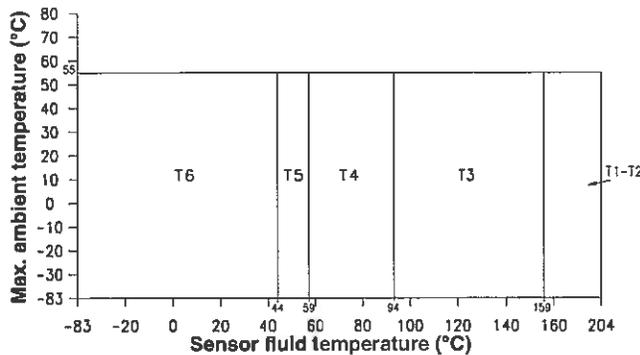
CE 0575 Ex II 2G Ex ib IIC T1–T6
II 2D Ex tD A21 IP65 T °C

F025 and F050 with C.I.C. A2



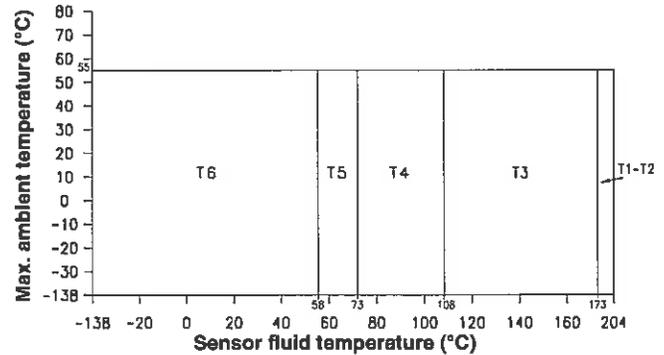
The maximum surface temperature for dust is as follows: T6:T 80°C, T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 207°C
The minimum ambient and process fluid temperature allowed for dust is -40°C.

F100 with C.I.C. A2



The maximum surface temperature for dust is as follows: T6:T 80°C, T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 240°C
The minimum ambient and process fluid temperature allowed for dust is -40°C.

F200 with C.I.C. A1



The maximum surface temperature for dust is as follows: T6:T 80°C, T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 226°C
The minimum ambient and process fluid temperature allowed for dust is -40°C.

(1) ATEX "T" rating depends on the maximum temperature shown in the graphs above.

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Hazardous area classifications *continued*

ATEX⁽¹⁾

(Certified per BVS 03 ATEX E 176 X)

Models F025, F050, F100, and F200 with Model 2200S transmitter

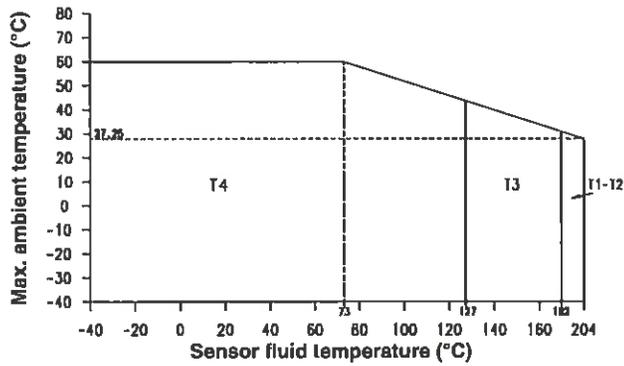
Transmitter:

CE 0575 Ex II 2G Ex ib IIC T1–T4
II 2D Ex tD A21 IP65 T °C

Transmitter with THUM adapter:

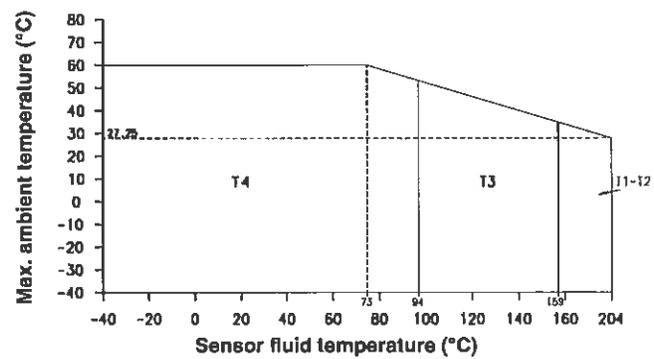
CE 0575 Ex II 2G Ex ib IIC T1–T4

F025 and F050



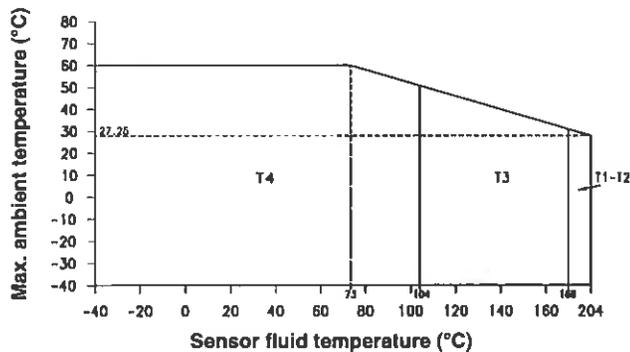
The maximum surface temperature for dust is as follows: T4:T 130°C, T3:T 195°C, T2 to T1:T 207°C

F100



The maximum surface temperature for dust is as follows: T4:T 130°C, T3:T 195°C, T2 to T1:T 240°C

F200



The maximum surface temperature for dust is as follows: T4:T 130°C, T3:T 195°C, T2 to T1:T 230°C

(1) ATEX "T" rating depends on the maximum temperature shown in the graphs above.

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Hazardous area classifications *continued*

ATEX⁽¹⁾

(Certified per BVS 03 ATEX E 176 X)

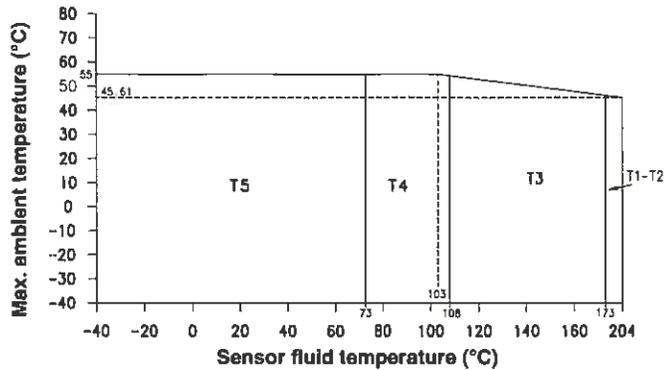
Model F300 with integral core processor or Model 1700/2700 transmitter (max. ambient for core processor is +60 °C)

Transmitter:

CE 0575 Ex II 2G Ex ib IIB T1–T5
II 2D Ex tD A21 IP65 T⁽¹⁾ °C

Transmitter with THUM adapter:

CE 0575 Ex II 2G Ex ib IIB T1–T4

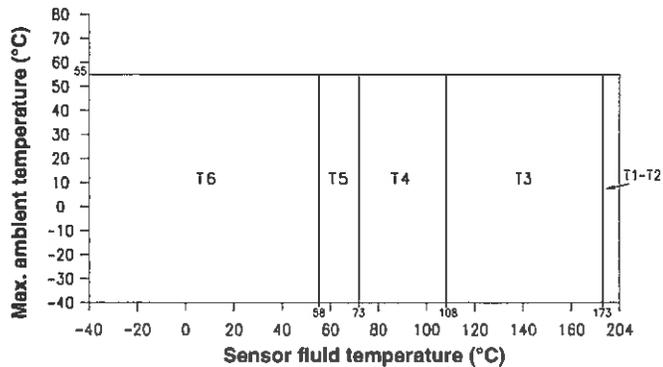


Note 1: The maximum surface temperature for dust is as follows: T5:T 95°C, T4:T 130°C, T3:T 195°C, T2 to T1:T 226°C.

Note 2: When installed with the THUM adapter, the T4 rating spans –40 to +108°C.

Model F300 with junction box connected to MVD transmitter

CE 0575 Ex II 2G Ex ib IIB T1–T6
II 2D Ex tD A21 IP65 T⁽¹⁾ °C



Note 1: The maximum surface temperature for dust is as follows: T6:T 80°C, T5:T 95°C, T4:T 130°C, T3:T 195°C, T2–T1:T 226°C.

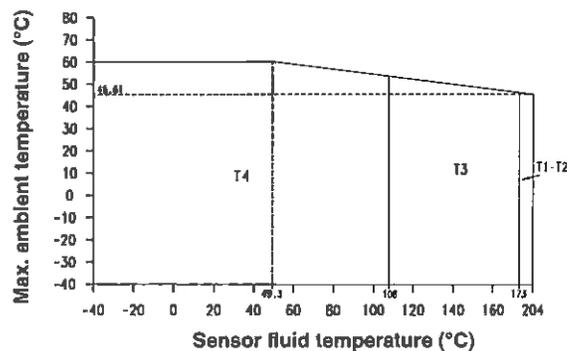
Model F300 with Model 2200S transmitter

Transmitter:

CE 0575 Ex II 2G Ex ib IIB T1–T4
II 2D Ex tD A21 IP65 T⁽¹⁾ °C

Transmitter with THUM adapter:

CE 0575 Ex II 2G Ex ib IIB T1–T4



The maximum surface temperature for dust is as follows: T4:T 130°C, T3:T 195°C, T2 to T1:T 226°C

(1) ATEX "T" rating depends on the maximum temperature shown in the graphs above.

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Hazardous area classifications *continued*

ATEX⁽¹⁾

(Certified per BVS 03 ATEX E 176 X)

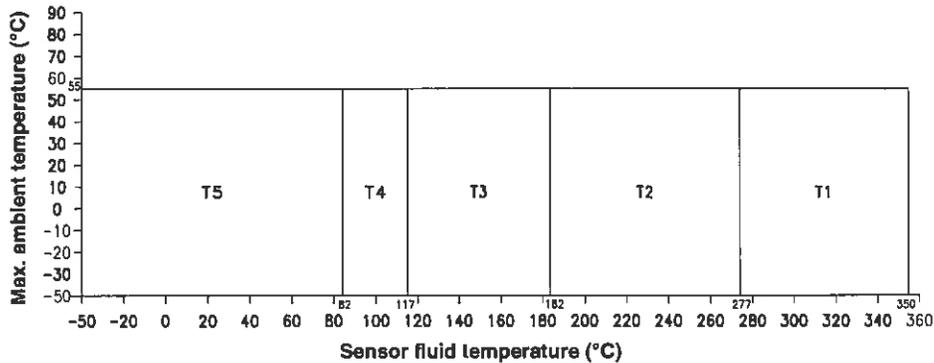
Models F025(A or B), F050(A or B), and F100(A or B) with C.I.C. no marking or A3 with core processor or Model 1700/2700 transmitter

Transmitter:

CE 0575 Ex II 2G Ex ib IIC T1–T5
II 2D Ex tD A21 IP65 T °C

Transmitter with THUM adapter:

CE 0575 Ex II 2G Ex ib IIC T1–T4

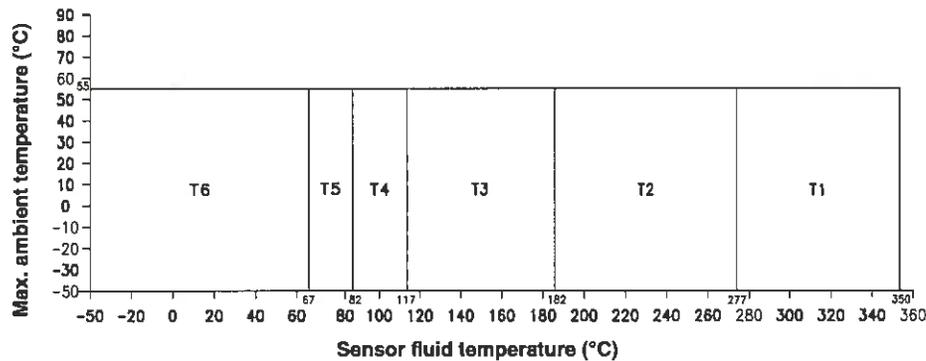


Note 1: The maximum surface temperature for dust is as follows: T5:T 95°C, T4:T 130°C, T3:T 195°C, T2: T 290°C, T1:T 363°C. The minimum ambient and process fluid temperature allowed for dust is -40°C.

Note 2: When installed with the THUM adapter, the T4 rating spans -50 to +117°C.

Models F025(A or B), F050(A or B), and F100(A or B) with C.I.C. no marking or A3 with junction box connected to MVD transmitter

CE 0575 Ex II 2G Ex ib IIC T1–T6
II 2D Ex tD A21 IP65 T °C



The maximum surface temperature for dust is as follows: T6:T 80°C, T5:T 95°C, T4:T 130°C, T3:T 195°C, T2:T 290°C, T1:T 363°C. The minimum ambient and process fluid temperature allowed for dust is -40°C.

(1) ATEX "T" rating depends on the maximum temperature shown in the graphs above.

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Materials of construction

Wetted parts⁽¹⁾	All models	316L stainless steel or alloy C-22 ⁽²⁾
Housing	Sensor	304L stainless steel
	Core processor	300-series stainless steel or polyurethane-painted aluminum; NEMA 4X (IP66)
	Model 2400S transmitter	316L stainless steel or polyurethane-painted aluminum; NEMA 4X (IP66/67)
	Model 2200S transmitter	316L stainless steel or polyurethane-painted aluminum; NEMA 4X (IP66/67)
	Junction box	Stainless steel or polyurethane-painted aluminum; NEMA 4X (IP66)

(1) General corrosion guidelines do not account for cyclical stress, and therefore should not be relied upon when choosing a wetted material for your Micro Motion meter. Please refer to the Micro Motion Corrosion Guide for material compatibility information.

(2) The outer flange ring on lap joint type flanges is non-wetted and is 304L stainless steel. Consult factory for other materials.

Weight

Weights provided are the weight of the meter with ANSI CL150 weld neck raised face flanges. All weights are in lb (kg).

	Core processor, 2400S transmitter, 2200S transmitter ⁽¹⁾	Extended core processor, 2400S transmitter, 2200S transmitter ⁽¹⁾	1700/2700 transmitter	Junction box	Extended junction box
F025S and F025P	11 (5)	12 (6)	17 (8)	10 (5)	11 (5)
F025H	13 (6)	14 (6)	18 (8)	13 (6)	14 (6)
F025A ⁽²⁾	17 (8)	—	22 (10)	17 (8)	—
F025B ⁽²⁾	18 (9)	—	23 (11)	18 (9)	—
F050S and F050P	12 (6)	13 (6)	18 (9)	11 (5)	12 (6)
F050H	14 (6)	15 (7)	19 (9)	14 (6)	15 (7)
F050A ⁽²⁾	18 (8)	—	23 (11)	18 (8)	—
F050B ⁽²⁾	19 (9)	—	24 (11)	19 (9)	—
F100S	22 (10)	23 (11)	27 (13)	21 (10)	22 (10)
F100H	22 (10)	23 (11)	27 (12)	22 (10)	23 (11)
F100A or F100B ⁽²⁾	27 (12)	—	32 (15)	27 (12)	—
F200S	43 (20)	44 (20)	49 (23)	42 (20)	43 (20)
F200H	57 (25)	58 (26)	61 (27)	57 (25)	58 (26)
F300S	157 (71)	158 (72)	162 (74)	156 (71)	157 (71)
F300H	161 (73)	162 (73)	168 (76)	160 (73)	161 (73)

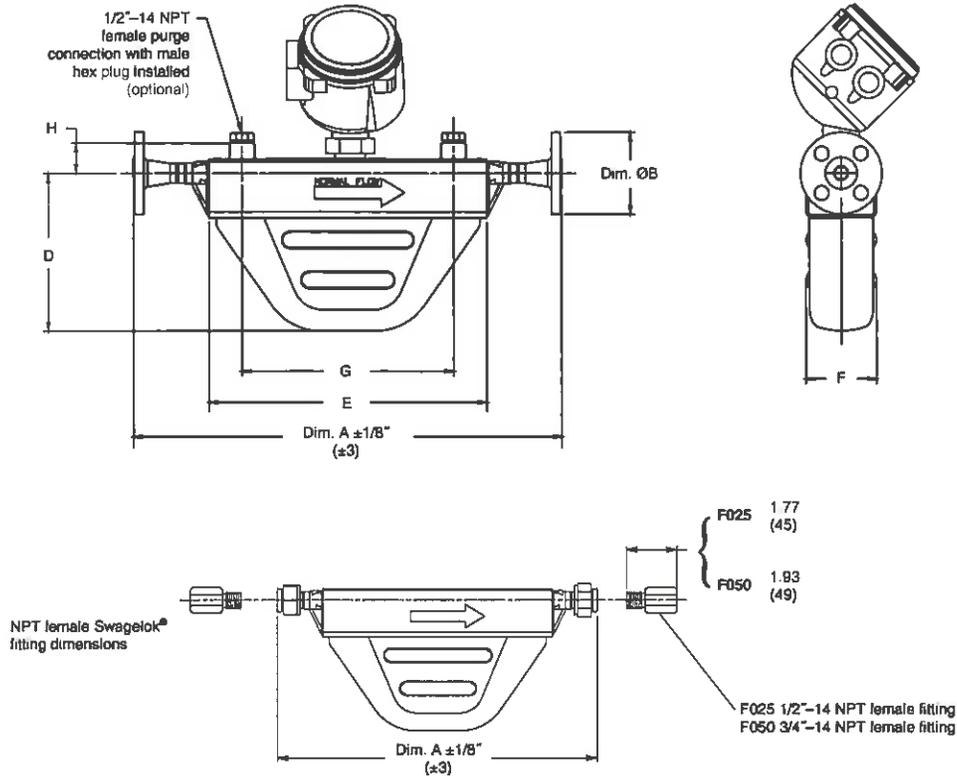
(1) Weight stated for sensor with aluminum transmitter or core processor. Add 4 lb (2 kg) for stainless steel core housing option (electronics interface codes A and B).

(2) For high-temperature models, the integral electronics are mounted at the end of a flexible conduit. The weights listed include the weight of the conduit.

Dimensions

Sensor

Dimensions in inches
(mm)



Model		Dimensions in inches (mm) ⁽¹⁾				
		D	E	F	G	H
F025	inches	5.12	9.75	2.81	7.5	1.26
	mm	130	248	71	190	32
F050	inches	6.75	11.88	2.94	9	1.26
	mm	171	302	75	229	32
F100	inches	9.12	14.88	4.13	12	1.51
	mm	232	378	105	305	38
F200	inches	12.56	17.88	5.62	14	2.38
	mm	319	454	143	356	61
F300	inches	7.25	27.72	5.88	21	4.07
	mm	184	704	149	533	103

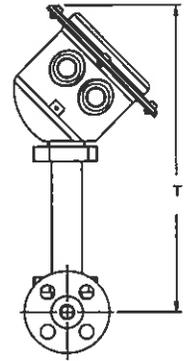
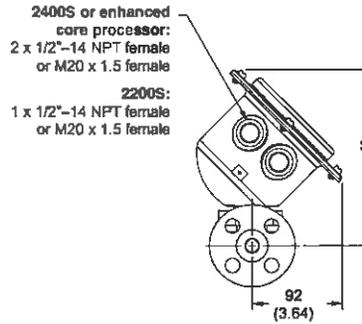
(1) For dimensions A and B, see process fitting tables on pages 23–28. For electronics dimensions, see pages 19–20.

Dimensions *continued*

Electronics

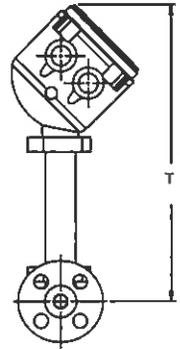
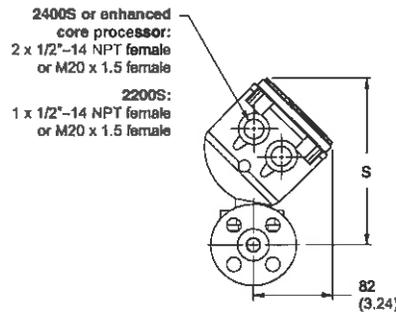
Model 2400S, Model 2200S, or enhanced core processor with stainless steel housing

Model	Dimensions in mm (inches)	
	S	T
F025	186 (7.31)	322 (12.68)
F050	186 (7.31)	322 (12.68)
F100	192 (7.56)	328 (12.93)
F200	216 (8.50)	352 (13.86)
F300	260 (10.25)	395 (15.57)



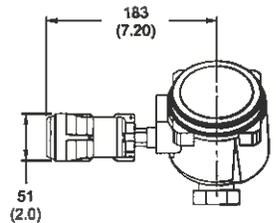
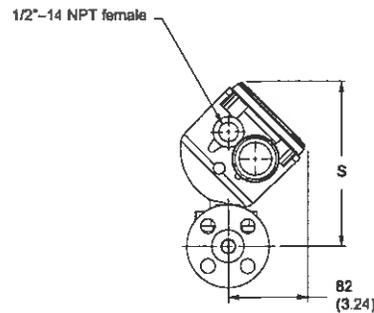
Model 2400S, Model 2200S, or enhanced core processor, with aluminum housing

Model	Dimensions in mm (inches)	
	S	T
F025	176 (6.91)	312 (12.28)
F050	176 (6.91)	312 (12.28)
F100	182 (7.16)	318 (12.53)
F200	206 (8.10)	342 (13.46)
F300	250 (9.85)	385 (15.17)



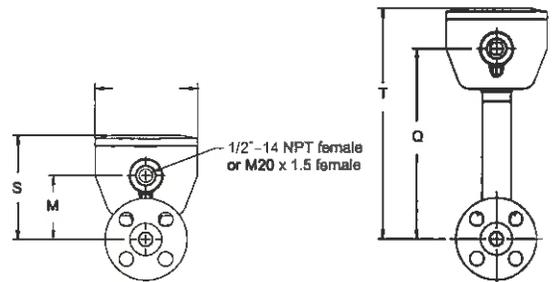
Model 2200S with THUM adapter

Model	Dimensions in mm (inches)	
	S	T
F025	176 (6.91)	
F050	176 (6.91)	
F100	182 (7.16)	
F200	206 (8.10)	
F300	250 (9.85)	



Standard core processor

Model	Dimensions in mm (inches)			
	M	Q	S	T
F025	68 (2.69)	205 (8.06)	113 (4.45)	250 (9.83)
F050	68 (2.69)	205 (8.06)	113 (4.45)	250 (9.83)
F100	75 (2.94)	211 (8.31)	119 (4.7)	256 (10.08)
F200	98 (3.87)	235 (9.25)	143 (5.64)	280 (11.01)
F300	143 (5.62)	279 (11)	188 (7.39)	324 (12.76)

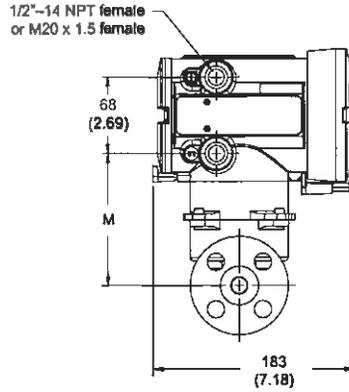


Dimensions *continued*

Electronics

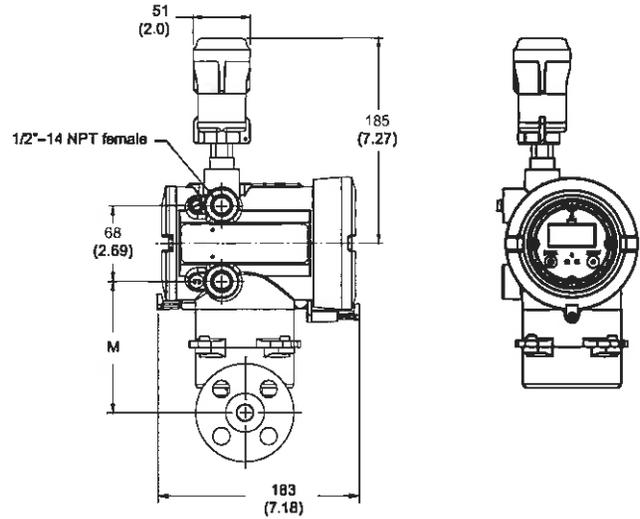
Model 2700

Model	Dimensions in mm (inches)	
	M	
F025	118	(4.66)
F050	118	(4.66)
F100	125	(4.91)
F200	148	(5.85)
F300	193	(7.6)



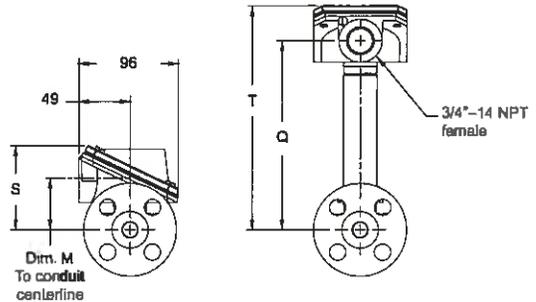
Model 2700 with THUM adapter

Model	Dimensions in mm (inches)	
	M	
F025	118	(4.66)
F050	118	(4.66)
F100	125	(4.91)
F200	148	(5.85)
F300	193	(7.6)



Junction box

Model	Dimensions in mm			
	M	Q	S	T
F025	46	183	79	216
F050	46	183	79	216
F100	52	189	85	222
F200	76	213	109	246
F300	121	257	154	290

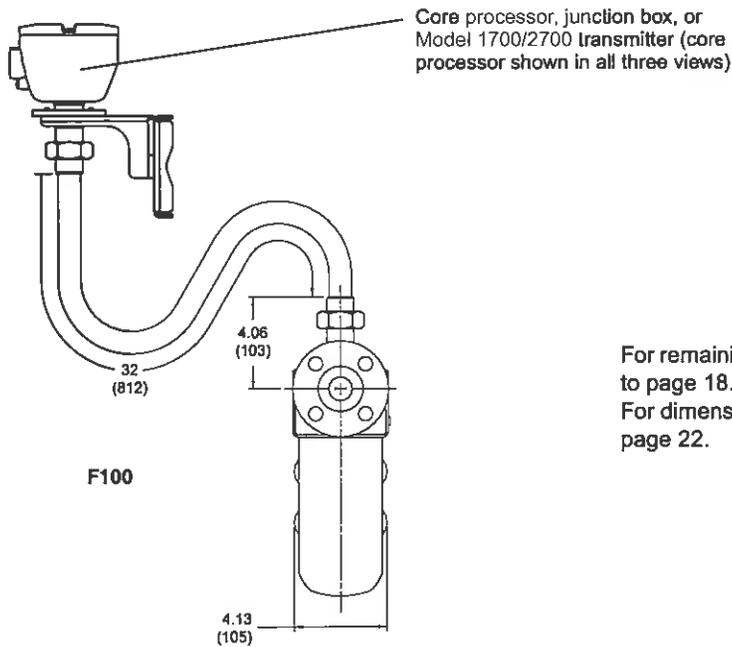
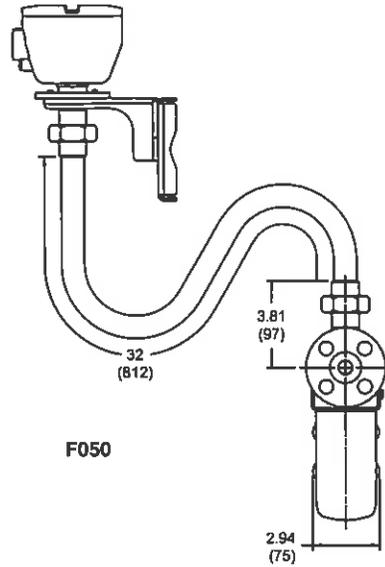
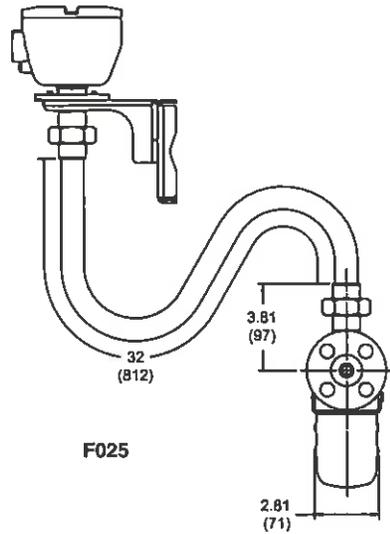


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Dimensions *continued*

High-temperature Models F025(A and B), F050(A and B), and F100(A and B)

Dimensions in *inches*
(*mm*)



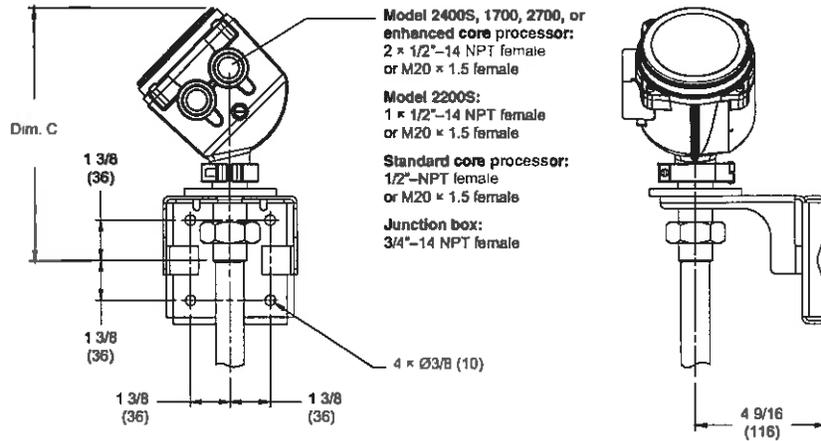
For remaining sensor dimensions, refer to page 18.
For dimensions of electronics, refer to page 22.

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Dimensions *continued*

Electronics mounted on high-temperature sensor flexible conduit

Dimensions in *inches*
(*mm*)



Electronics interface option		Dimension C in Inches (mm)
0	Model 2400S transmitter, painted aluminum housing	8 7/8 (225)
	Model 2400S transmitter, stainless steel housing	9 1/4 (235)
2	Enhanced core processor, painted aluminum housing	8 7/8 (225)
3	Enhanced core processor, stainless steel housing	9 1/4 (235)
Q	Standard core processor, painted aluminum housing	6 5/16 (161)
A	Standard core processor, stainless steel housing	6 5/16 (161)
C	Model 1700/2700 transmitter	10 1/4 (261)
R	Junction box, painted aluminum housing	3 9/16 (91)
S	Junction box, stainless steel housing	3 9/16 (91)

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Fitting options

	Fitting code ⁽¹⁾	Dim. A face-to-face inches (mm)	Dim. B outside diam. inches (mm)
Model F025S			
1/2-inch ANSI CL150 weld neck raised face flange	113	15.98 (406)	3.50 (89)
1/2-inch ANSI CL300 weld neck raised face flange	114	16.38 (416)	3.75 (95)
1/2-inch ANSI CL600 weld neck raised face flange	115	16.86 (428)	3.75 (95)
1/2-inch NPT female Swagelok size 8 VCO fitting	319	17.63 (448) ⁽²⁾	not applicable
1/2-inch sanitary fitting (Tri-Clamp® compatible)	121	13.99 (355)	0.98 (25)
DN15 PN40 weld neck; DIN 2635 type C face	116	15.23 (387)	3.74 (95)
DN15 PN40 weld neck flange; EN 1092-1 Form B1	176	15.23 (387)	3.74 (95)
DN15 PN40 weld neck flange; EN 1092-1 Form D	310	15.23 (387)	3.74 (95)
DN25 PN40 weld neck flange; EN 1092-1 Form B1	172	15.39 (391)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form D	183	15.39 (391)	4.53 (115)
DN15 PN100/160 weld neck flange; DIN 2638 type E face	120	15.80 (401)	4.13 (105)
DN15 PN100/160 weld neck flange; EN 1092-1 Form B2	170	15.80 (401)	4.13 (105)
DN15 PN100 weld neck flange; EN 1092-1 Form D	178	15.80 (401)	4.13 (105)
15mm DIN 11851 hygienic coupling	222	13.91 (353)	Rd 34 × 1/8
JIS 15mm 10K/20K weld neck raised face flange	122	15.46 (393)	3.74 (95)
JIS 15mm 40K weld neck raised face flange	221	16.52 (420)	4.53 (115)
Models F025H and F025B			
1/2-inch ANSI CL150 lap joint flange	520	16.06 (408)	3.50 (89)
1/2-inch ANSI CL300 lap joint flange	521	16.38 (416)	3.75 (95)
1/2-inch ANSI CL600 lap joint flange	517	16.38 (416)	3.75 (95)
JIS 15mm 10K lap joint flange	522	15.46 (393)	3.75 (95)
DN15 PN40 lap joint flange; EN 1092-1 Form B1	524	15.23 (387)	3.74 (95)
Model F025P			
15mm DIN PN100/160 weld neck, DIN 2638, type E face	120	15.80 (401)	4.13 (105)
1/2-inch ANSI CL900 weld neck raised face flange	150	17.48 (444)	4.75 (121)
DN15 PN100/160 weld neck flange; EN 1092-1 Form B2	170	15.80 (401)	4.13 (105)
DN15 PN100 weld neck flange; EN 1092-1 Form D	178	15.80 (401)	4.13 (105)
DN25 PN100 weld neck flange; EN 1092-1 Form B2	180	16.82 (427)	5.51 (140)
1/2-inch NPT female Swagelok size 8 VCO fitting	319	17.63 (448) ⁽²⁾	not applicable

(1) Fittings listed here are standard options. Other types of fittings are available. The face to face dimensions for any custom fittings ordered using a 998 or 999 fitting code are not represented in this table. It is necessary to confirm face to face dimensions of these fittings at time of ordering. Contact your local Micro Motion representative.

(2) Dimension specified in table does NOT include fitting length. For installation, modify Dim. A value to include fitting. See pages 18–22.

Fitting options *continued*

	Fitting code ⁽¹⁾	Dim. A face-to-face inches (mm)	Dim B. outside diam. inches (mm)
Model F025A			
1/2-inch ANSI CL150 weld neck raised face flange	113	15.98 (406)	3.50 (89)
1/2-inch ANSI CL300 weld neck raised face flange	114	16.38 (416)	3.75 (95)
1/2-inch ANSI CL600 weld neck raised face flange	115	16.86 (428)	3.75 (95)
1/2-inch ANSI CL900 weld neck raised face flange	150	17.48 (444)	4.75 (121)
DN15 PN40 weld neck flange; EN 1092-1 Form B1	176	15.23 (387)	3.74 (95)
DN15 PN40 weld neck flange; EN 1092-1 Form D	310	15.23 (387)	3.74 (95)
DN15 PN100/160 weld neck flange; EN 1092-1 Form B2	170	15.80 (401)	4.13 (105)
DN15 PN100 weld neck flange; EN 1092-1 Form D	178	15.80 (401)	4.13 (105)
DN25 PN40 weld neck flange; EN 1092-1 Form B1	172	15.39 (391)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form D	183	15.39 (391)	4.53 (115)
JIS 15mm 10K/20K weld neck raised face flange	122	15.46 (393)	3.74 (95)
JIS 15mm 40K weld neck raised face flange	221	16.52 (420)	4.53 (115)
Model F050S			
1/2-inch ANSI CL150 weld neck raised face flange	113	18.12 (460)	3.50 (89)
1/2-inch ANSI CL300 weld neck raised face flange	114	18.48 (469)	3.75 (95)
1/2-inch ANSI CL600 weld neck raised face flange	115	18.98 (482)	3.75 (95)
3/4-inch NPT female Swagelok size 12 VCO fitting	239	16.43 (417) ⁽²⁾	not applicable
3/4-inch sanitary fitting (Tri-Clamp compatible)	322	15.86 (403)	0.98 (25)
DN15 PN40 weld neck flange; DIN 2635 type C face	116	17.36 (441)	3.74 (95)
DN15 PN40 weld neck flange; EN 1092-1 Form B1	176	17.36 (441)	3.74 (95)
DN15 PN40 weld neck flange; EN 1092-1 Form D	310	17.36 (441)	3.74 (95)
DN15 PN100/160 weld neck flange; DIN 2638 type E face	120	17.90 (455)	4.13 (105)
DN15 PN100/160 weld neck flange; EN 1092-1 Form B2	170	17.90 (455)	4.13 (105)
DN15 PN100 weld neck flange; EN 1092-1 Form D	178	17.90 (455)	4.13 (105)
DN25 PN40 weld neck flange; DIN 2635 type C face	131	17.50 (445)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form B1	172	17.50 (445)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form D	183	17.50 (445)	4.53 (115)
15mm DIN 11851 hygienic coupling	222	16.01 (407)	Rd 34 × 1/8
JIS 15mm 10K/20K weld neck raised face flange	122	17.56 (446)	3.74 (95)
JIS 15mm 40K weld neck raised face flange	221	18.62 (473)	4.53 (115)

(1) Fittings listed here are standard options. Other types of fittings are available. The face to face dimensions for any custom fittings ordered using a 998 or 999 fitting code are not represented in this table. It is necessary to confirm face to face dimensions of these fittings at time of ordering. Contact your local Micro Motion representative.

(2) Dimension specified in table does NOT include fitting length. For installation, modify Dim. A value to include fitting. See pages 18–22.

Fitting options *continued*

	Fitting code ⁽¹⁾	Dim. A face-to-face inches (mm)	Dim. B. outside diam. inches (mm)
Model F050P			
1/2-inch ANSI CL150 weld neck raised face flange	113	18.12 (460)	3.50 (89)
1/2-inch ANSI CL300 weld neck raised face flange	114	18.48 (469)	3.75 (95)
1/2-inch ANSI CL600 weld neck raised face flange	115	18.98 (482)	3.75 (95)
1/2-inch ANSI CL900 weld neck raised face flange	150	19.62 (498)	4.75 (121)
DN15 PN40 weld neck flange; DIN 2635 type C face	116	17.36 (441)	3.74 (95)
DN15 PN100/160 weld neck flange; DIN 2638 type E face	120	17.90 (455)	4.13 (105)
DN25 PN40 weld neck flange; DIN 2635 type C face	131	17.50 (445)	4.53 (115)
DN15 PN100/160 weld neck flange; EN 1092-1 Form B2	170	17.90 (455)	4.13 (105)
DN15 PN100 weld neck flange; EN 1092-1 Form D	178	17.90 (455)	4.13 (105)
DN25 PN100 weld neck flange; EN 1092-1 Form B2	180	18.93 (481)	5.51 (140)
3/4-inch NPT female Swagelok size 12 VCO fitting	239	16.43 (417) ⁽²⁾	not applicable
3/4-inch sanitary fitting (Tri-Clamp compatible)	322	15.86 (403)	0.98 (25)
JIS 15mm 10K/20K weld neck raised face flange	122	17.56 (446)	3.74 (95)
JIS 15mm 40K weld neck raised face flange	221	18.62 (473)	4.53 (115)
Models F050H and F050B			
1/2-inch ANSI CL150 lap joint flange	520	18.19 (462)	3.50 (89)
1/2-inch ANSI CL300 lap joint flange	521	18.55 (471)	3.75 (95)
1/2-inch ANSI CL600 lap joint flange	517	18.55 (471)	3.75 (95)
JIS 15mm 10K lap joint flange	522	17.56 (446)	3.75 (95)
DN15 PN40 lap joint flange; EN 1092-1 Form B1	524	17.36 (441)	3.74 (95)
Model F050A			
1/2-inch ANSI CL150 weld neck raised face flange	113	18.12 (460)	3.50 (89)
1/2-inch ANSI CL300 weld neck raised face flange	114	18.48 (469)	3.75 (95)
1/2-inch ANSI CL600 weld neck raised face flange	115	18.98 (482)	3.75 (95)
1/2-inch ANSI CL900 weld neck raised face flange	150	19.62 (498)	4.75 (121)
DN15 PN40 weld neck flange; EN 1092-1 Form B1	176	17.36 (441)	3.74 (95)
DN15 PN40 weld neck flange; EN 1092-1 Form D	310	17.36 (441)	3.74 (95)
DN15 PN100/160 weld neck flange; EN 1092-1 Form B2	170	17.90 (455)	4.13 (105)
DN15 PN100 weld neck flange; EN 1092-1 Form D	178	17.90 (455)	4.13 (105)
DN25 PN40 weld neck flange; EN 1092-1 Form B1	172	17.50 (445)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form D	183	17.50 (445)	4.53 (115)
JIS 15mm 10K/20K weld neck raised face flange	122	17.56 (446)	3.74 (95)
JIS 15mm 40K weld neck raised face flange	221	18.62 (473)	4.53 (115)

(1) *Fittings listed here are standard options. Other types of fittings are available. The face to face dimensions for any custom fittings ordered using a 998 or 999 fitting code are not represented in this table. It is necessary to confirm face to face dimensions of these fittings at time of ordering. Contact your local Micro Motion representative.*

(2) *Dimension specified in table does NOT include fitting length. For installation, modify Dim. A value to include fitting. See pages 18–22.*

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Fitting options *continued*

	Fitting code ⁽¹⁾	Dim. A face-to-face inches (mm)	Dim B. outside diam. inches (mm)
Model F100S			
1-inch ANSI CL150 weld neck raised face flange	128	22.66 (576)	4.25 (108)
1-inch ANSI CL300 weld neck raised face flange	129	23.16 (588)	4.86 (123)
1-inch ANSI CL600 weld neck raised face flange	130	23.66 (601)	4.88 (124)
1-inch sanitary fitting (Tri-Clamp compatible)	138	21.28 (541)	1.98 (50)
2-inch ANSI CL150 weld neck raised face flange	209	23.04 (585)	6 (152)
DN25 PN40 weld neck flange; DIN 2635 type C face	131	21.42 (544)	4.53 (115)
DN25 PN100/160 weld neck flange; DIN 2638 type E face	137	22.84 (580)	5.51 (140)
25mm DIN 11851 hygienic coupling	230	20.56 (522)	Rd 52 × 1/6
DN25 PN40 weld neck flange; EN 1092-1 Form B1	179	21.42 (544)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form D	311	21.42 (544)	4.53 (115)
DN25 PN100 weld neck flange; EN 1092-1 Form B2	180	22.84 (580)	5.51 (140)
DN25 PN100 weld neck flange; EN 1092-1 Form D	181	22.84 (580)	5.51 (140)
JIS 25mm 10K/20K weld neck raised face flange	139	21.69 (551)	4.92 (125)
JIS 25mm 40K weld neck raised face flange	229	22.92 (582)	5.12 (130)
Models F100H and F100B			
1-inch ANSI CL150 lap joint flange	530	22.74 (578)	4.25 (108)
1-inch ANSI CL300 lap joint flange	531	23.24 (590)	4.87 (124)
1-inch ANSI CL600 lap joint flange	535	23.24 (590)	4.88 (124)
JIS 25mm 10K lap joint flange	532	21.75 (553)	4.92 (125)
DN25 PN40 lap joint flange; EN 1092-1 Form B1	534	21.52 (547)	3.74 (95)
Model F100A			
1-inch ANSI CL150 weld neck raised face flange	128	22.66 (576)	4.25 (108)
1-inch ANSI CL300 weld neck raised face flange	129	23.16 (588)	4.86 (123)
1-inch ANSI CL600 weld neck raised face flange	130	23.66 (601)	4.88 (124)
2-inch ANSI CL150 weld neck raised face flange	209	23.04 (585)	6 (152)
1-inch ANSI CL900 weld neck raised face flange	928	24.57 (624)	5.88 (149)
DN25 PN40 weld neck flange; EN 1092-1 Form B1	179	21.42 (544)	4.53 (115)
DN25 PN40 weld neck flange; EN 1092-1 Form D	311	21.42 (544)	4.53 (115)
DN25 PN100 weld neck flange; EN 1092-1 Form B2	180	22.84 (580)	5.51 (140)
DN25 PN100 weld neck flange; EN 1092-1 Form D	181	22.84 (580)	5.51 (140)
JIS 25mm 10K/20K weld neck raised face flange	139	21.69 (551)	4.92 (125)
JIS 25mm 40K weld neck raised face flange	229	22.92 (582)	5.12 (130)

(1) *Fittings listed here are standard options. Other types of fittings are available. The face to face dimensions for any custom fittings ordered using a 998 or 999 fitting code are not represented in this table. It is necessary to confirm face to face dimensions of these fittings at time of ordering. Contact your local Micro Motion representative.*

Fitting options *continued*

	Fitting code ⁽¹⁾	Dim. A face-to-face inches (mm)	Dim B. outside diam. inches (mm)
Model F200S			
1 1/2-inch ANSI CL150 weld neck raised face flange	341	24.76 (629)	5 (127)
1 1/2-inch ANSI CL300 weld neck raised face flange	342	25.26 (642)	6.12 (155)
1 1/2-inch ANSI CL600 weld neck raised face flange	343	25.76 (654)	6.12 (155)
2-inch ANSI CL150 weld neck raised face flange	418	24.88 (632)	6 (152)
2-inch ANSI CL300 weld neck raised face flange	419	25.38 (645)	6.50 (165)
2-inch ANSI CL600 weld neck raised face flange	420	26.13 (664)	6.50 (165)
1 1/2-inch sanitary fitting (Tri-Clamp compatible)	351	23.26 (591)	1.98 (50)
2-inch sanitary fitting (Tri-Clamp compatible)	352	22.88 (581)	2.52 (64)
DN40 PN40 weld neck flange; DIN 2635 type C face	381	23.55 (598)	5.91 (150)
DN50 PN40 weld neck flange; DIN 2635 type C face	382	23.63 (600)	6.50 (165)
DN50 PN100 weld neck flange; DIN 2637 type E face	378	25.23 (641)	7.68 (195)
DN40 PN40 weld neck flange; EN 1092-1 Form B1	368	23.42 (595)	5.91 (150)
DN40 PN40 weld neck flange; EN 1092-1 Form D	312	23.42 (595)	5.91 (150)
DN40 PN100 weld neck flange; EN 1092-1 Form B2	363	24.73 (628)	6.69 (170)
DN40 PN100 weld neck flange; EN 1092-1 Form D	366	24.73 (628)	6.69 (170)
DN50 PN40 weld neck flange; EN 1092-1 Form B1	369	23.63 (600)	6.50 (165)
DN50 PN40 weld neck flange; EN 1092-1 Form D	316	23.63 (600)	6.50 (165)
DN50 PN100 weld neck flange; EN 1092-1 Form B2	365	25.23 (641)	7.68 (195)
DN50 PN100 weld neck flange; EN 1092-1 Form D	367	25.23 (641)	7.68 (195)
40mm DIN 11851 hygienic coupling	353	23.18 (589)	Rd 65 × 1/6
50mm DIN 11851 hygienic coupling	354	23.26 (591)	Rd 78 × 1/6
JIS 40mm 10K weld neck raised face flange	385	23.44 (595)	5.51 (140)
JIS 40mm 20K weld neck raised face flange	387	23.44 (595)	5.51 (140)
JIS 50mm 10K weld neck raised face flange	386	23.42 (595)	6.10 (155)
JIS 50mm 20K weld neck raised face flange	388	23.62 (600)	6.10 (155)
JIS 50mm 40K weld neck raised face flange	389	25.64 (651)	6.50 (165)
Model F200H			
1 1/2-inch ANSI CL150 lap joint flange	540	24.76 (629)	5 (127)
1 1/2-inch ANSI CL300 lap joint flange	541	25.24 (641)	6.12 (155)
1 1/2-inch ANSI CL600 lap joint flange	537	25.24 (641)	6.12 (155)
DN40 PN40 lap joint flange; EN 1092-1 Form B1	548	23.55 (598)	5.91 (150)
DN50 PN40 lap joint flange; EN 1092-1 Form B1	549	23.82 (605)	6.50 (165)
2-inch ANSI CL150 lap joint flange	544	24.74 (628)	6 (152)
2-inch ANSI CL300 lap joint flange	545	25.24 (641)	6.50 (165)
JIS 40mm 10K lap joint flange	542	23.44 (595)	5 (127)
JIS 50mm 10K lap joint flange	546	23.68 (601)	6 (152)

(1) Fittings listed here are standard options. Other types of fittings are available. The face to face dimensions for any custom fittings ordered using a 998 or 999 fitting code are not represented in this table. It is necessary to confirm face to face dimensions of these fittings at time of ordering. Contact your local Micro Motion representative.

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Fitting options *continued*

	Fitting code ⁽¹⁾	Dim. A face-to-face inches (mm)	Dim B. outside diam. inches (mm)
Model F300S			
3-inch ANSI CL150 weld neck raised face flange	355	36.83 (935)	7.50 (191)
3-inch ANSI CL300 weld neck raised face flange	356	37.57 (954)	8.25 (210)
3-inch ANSI CL600 weld neck raised face flange	357	38.33 (974)	8.25 (210)
4-inch ANSI CL150 weld neck raised face flange	425	37.21 (945)	9 (229)
4-inch ANSI CL300 weld neck raised face flange	426	38.15 (969)	10 (254)
4-inch ANSI CL600 weld neck raised face flange	427	39.83 (1012)	10.75 (273)
DN80 PN40 weld neck flange; DIN 2635 type C face	391	36.01 (915)	7.87 (200)
DN100 PN40 weld neck flange; DIN 2635 type C face	392	36.45 (926)	9.25 (235)
DN80 PN40 weld neck flange; DIN 2635 type N grooved face	393	36.01 (915)	7.87 (200)
DN100 PN40 weld neck flange; DIN 2635 type N grooved face	394	36.45 (926)	9.25 (235)
DN80 PN100 weld neck flange; DIN 2637 type E face	395	37.71 (958)	9.05 (230)
DN100 PN100 weld neck flange; DIN 2637 type E face	396	38.71 (983)	10.43 (265)
DN80 PN100 weld neck flange; DIN 2637 type N grooved face	397	37.71 (958)	9.05 (230)
DN100 PN100 weld neck flange; DIN 2637 type N grooved face	398	38.71 (983)	10.43 (265)
DN80 PN40 weld neck flange; EN 1092-1 Form B1	371	35.90 (912)	7.87 (200)
DN80 PN40 weld neck flange; EN 1092-1 Form D	326	35.90 (912)	7.87 (200)
DN80 PN100 weld neck flange; EN 1092-1 Form B2	373	37.47 (952)	9.06 (230)
DN80 PN100 weld neck flange; EN 1092-1 Form D	375	37.47 (952)	9.06 (230)
DN100 PN40 weld neck flange; EN 1092-1 Form B1	372	36.45 (926)	9.25 (235)
DN100 PN40 weld neck flange; EN 1092-1 Form D	333	36.45 (926)	9.25 (235)
DN100 PN100 weld neck flange; EN 1092-1 Form B2	374	38.42 (976)	10.43 (265)
DN100 PN100 weld neck flange; EN 1092-1 Form D	359	38.42 (976)	10.43 (265)
JIS 80mm 10K weld neck raised face flange	400	36.51 (927)	7.28 (185)
JIS 100mm 10K weld neck raised face flange	401	36.71 (932)	8.27 (210)
JIS 80mm 20K weld neck raised face flange	402	36.57 (929)	7.87 (200)
JIS 100mm 20K weld neck raised face flange	403	36.71 (932)	8.86 (225)
3-inch sanitary fitting (Tri-Clamp compatible)	361	35.15 (893)	3.58 (91)
3-inch Victaulic® compatible fitting	410	36.83 (935)	3.50 (89)
Model F300H			
3-inch ANSI CL150 lap joint flange	550	36.77 (934)	7.50 (191)
3-inch ANSI CL300 lap joint flange	551	37.53 (953)	8.25 (210)
3-inch ANSI CL600 lap joint flange	539	37.53 (953)	8.25 (210)
JIS 80mm 10K lap joint flange	552	36.47 (926)	7.28 (185)
DN80 PN40 lap joint flange; EN 1092-1 Form B1	554	35.97 (914)	7.87 (200)

(1) Fittings listed here are standard options. Other types of fittings are available. The face to face dimensions for any custom fittings ordered using a 998 or 999 fitting code are not represented in this table. It is necessary to confirm face to face dimensions of these fittings at time of ordering. Contact your local Micro Motion representative.

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Ordering information

Model	Product description
Standard sensor models	
F025S	F-Series sensor; 1/4-inch (6 mm); 316L stainless steel
F025H	F-Series sensor; 1/4-inch (6 mm); alloy C-22
F050S	F-Series sensor; 1/2-inch (12 mm); 316L stainless steel
F050H	F-Series sensor; 1/2-inch (12 mm); alloy C-22
F100S	F-Series sensor; 1-inch (25 mm); 316L stainless steel
F100H	F-Series sensor; 1-inch (25 mm); alloy C-22
F200S	F-Series sensor; 2-inch (50 mm); 316L stainless steel
F200H	F-Series sensor; 2-inch (50 mm); alloy C-22
F300S	F-Series sensor; 3-inch (75 mm); 316L stainless steel
F300H	F-Series sensor; 3-inch (75 mm); alloy C-22
High-pressure sensor models	
F025P	F-Series sensor; 1/4-inch (6 mm); 316L stainless steel; 2300 psi (158 bar) tube rating
F050P	F-Series sensor; 1/2-inch (12 mm); 316L stainless steel; 5000 psi (345 bar) tube rating
High-temperature sensor models	
F025A	F-Series sensor; 1/4-inch (6 mm); high temperature; 316L stainless steel
F025B	F-Series sensor; 1/4-inch (6 mm); high temperature; alloy C-22
F050A	F-Series sensor; 1/2-inch (12 mm); high temperature; 316L stainless steel
F050B	F-Series sensor; 1/2-inch (12 mm); high temperature; alloy C-22
F100A	F-Series sensor; 1-inch (25 mm); high temperature; 316L stainless steel
F100B	F-Series sensor; 1-inch (25 mm); high temperature; alloy C-22
Process connection	
###	See fitting options on pages 23–28
Case options	
C	Compact case
B ⁽¹⁾	Secondary containment with test report
P ⁽¹⁾	Secondary containment with test report and purge fittings (1/2-inch NPT female)
H ⁽¹⁾⁽²⁾	Hygienic compact case
Continued on next page	

(1) Not available with Model F050P or with high-temperature sensors.

(2) Not available with high-temperature sensors or alloy C-22 sensors.

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Ordering information *continued*

Code	Electronics interface
All models except high-temperature models	
0	Model 2400S transmitter
1	Extended mount Model 2400S transmitter
2	4-wire polyurethane-painted aluminum integral enhanced core processor for remote mount transmitters
3	4-wire stainless steel integral enhanced core processor for remote mount transmitters
4	4-wire polyurethane-painted aluminum integral extended mount enhanced core processor for remote mount transmitters
5	4-wire extended mount stainless steel integral enhanced core processor for remote mount transmitters
Q	4-wire polyurethane-painted aluminum integral core processor for remotely mounted transmitter with MVD technology
A	4-wire stainless steel integral core processor for remotely mounted transmitter with MVD technology
V	4-wire polyurethane-painted aluminum integral core processor with extended mount for remotely mounted transmitter with MVD technology
B	4-wire stainless steel integral core processor with extended mount for remotely mounted transmitter with MVD technology
C	Integrally mounted Model 1700 or 2700 transmitter
J ⁽¹⁾	Integrally mounted Model 2200S transmitter
U ⁽¹⁾	Extended Model 2200S transmitter
R	9-wire polyurethane-painted aluminum junction box
H	9-wire polyurethane-painted aluminum junction box with extended mount
S	9-wire stainless steel junction box
T	9-wire stainless steel junction box with extended mount
High-temperature models	
0	Model 2400S transmitter
2	4-wire polyurethane-painted aluminum integral enhanced core processor for remote mount transmitters
3	4-wire stainless steel integral enhanced core processor for remote mount transmitters
Q	4-wire polyurethane-painted aluminum integral core processor for remotely mounted transmitter with MVD technology
A	4-wire stainless steel integral core processor for remotely mounted transmitter with MVD technology
C	Integrally mounted Model 1700 or 2700 transmitter
R ⁽²⁾	9-wire polyurethane-painted aluminum junction box
S ⁽²⁾	9-wire stainless steel junction box
Code	Conduit connections
Electronics interface codes 2, 3, 4, 5, Q, A, V, and B	
B	1/2-inch NPT — no gland
E	M20 — no gland
F	Brass/nickel cable gland (cable diameter 0.335 to 0.394 inches [8.5 to 10 mm])
G	Stainless steel cable gland (cable diameter 0.335 to 0.394 inches [8.5 to 10 mm])
Electronics interface code 0, 1, C, J, and U	
A	No gland
Electronics interface codes R, H, S, and T	
A	3/4-inch NPT — no gland
H	Brass/nickel cable gland
J	Stainless steel cable gland
Continued on next page	

(1) Only available with calibration option Z. Not available with high-temperature sensors.

(2) Only for connection to a transmitter with MVD technology.

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Ordering information *continued*

Code	Approvals
For electronics interface codes 0 and 1	
M	Micro Motion Standard (no approval)
N	Micro Motion Standard / PED compliant
2	CSA C-US (U.S.A. and Canada) Class I, Div. 2
V	ATEX — Equipment Category 3 (Zone 2) / PED compliant
3	IECEX Zone 2
Electronics interface codes 2, 3, 4, 5, Q, A, V, B, and S	
M	Micro Motion standard (no approval)
N	Micro Motion standard / PED compliant (no approval)
C ⁽¹⁾	CSA (Canada only)
A	CSA C-US (U.S.A. and Canada)
Z	ATEX — Equipment Category 2 (Zone 1) / PED compliant
I	IECEX Zone 1
P ⁽²⁾	NEPSI
Electronics interface code C, J, and U	
M	Micro Motion standard (no approval)
N	Micro Motion standard / PED compliant (no approval)
C	CSA (Canada only)
A	CSA C-US (U.S.A. and Canada)
Z	ATEX — Equipment Category 2 (Zone 1) / PED compliant
I	IECEX Zone 1
P ⁽²⁾⁽³⁾	NEPSI
2 ⁽³⁾	CSA Class I, Div. 2 (U.S.A. and Canada)
V	ATEX — Equipment Category 3 (Zone 2) / PED compliant
3	IECEX Zone 2
Electronics interface codes R and H	
M	Micro Motion standard (no approval)
N	Micro Motion standard / PED compliant (no approval)
C	CSA (Canada only)
A	CSA C-US (U.S.A. and Canada)
U	UL
Z	ATEX — Equipment Category 2 (Zone 1) / PED compliant
I	IECEX Zone 1
P ⁽²⁾	NEPSI
Electronics interface code T	
M	Micro Motion standard (no approval)
N	Micro Motion standard / PED compliant (no approval)
C	CSA (Canada only)
A	CSA C-US (U.S.A. and Canada)

Continued on next page

(1) Not available with electronics interface options 2, 3, 4, or 5.

(2) Available only with language option M (Chinese).

(3) Not available with electronics interface option code J or U (Model 2200S transmitter).

Ordering information *continued*

Code	Language
A	Danish CE requirements and English installation manual
C	Czech installation manual
D	Dutch CE requirements and English installation manual
E	English installation manual
F	French installation manual
G	German installation manual
H	Finnish CE requirements and English installation manual
I	Italian installation manual
J	Japanese installation manual
M	Chinese installation manual
N	Norwegian CE requirements and English installation manual
O	Polish installation manual
P	Portuguese installation manual
S	Spanish installation manual
W	Swedish CE requirements and English installation manual
B	Hungarian CE requirements and English installation manual
K	Slovak CE requirements and English installation manual
T	Estonian CE requirements and English installation manual
U	Greek CE requirements and English installation manual
L	Latvian CE requirements and English installation manual
V	Lithuanian CE requirements and English installation manual
Y	Slovenian CE requirements and English installation manual
Code	Future option 1
Z	Reserved for future use
Code	Calibration options
Z	0.20% mass flow and 0.002 g/cm ³ (2.0 kg/m ³) density calibration
A ⁽¹⁾	0.15% mass flow and 0.002 g/cm ³ (2.0 kg/m ³) density calibration
1 ⁽¹⁾	0.10% mass flow and 0.001 g/cm ³ (1.0 kg/m ³) density calibration
Code	Measurement application software
Z	No measurement application software
Code	Factory options
Z	Standard product
X	ETO product
Typical model number: F050S 113 C Q E Z E Z A Z Z	

(1) Not available with electronics interface option code J or U (Model 2200S transmitter).

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Korea T: (82) 2 3438 4600
Singapore T: (65) 6 777 8211

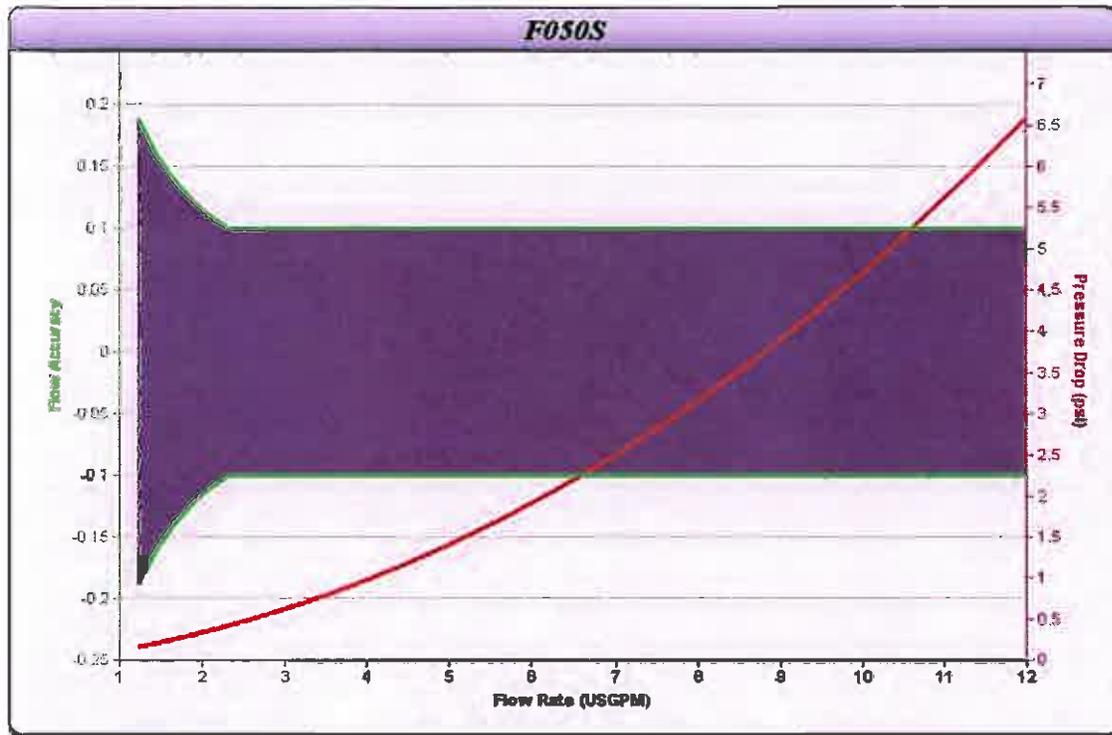
For a complete list of contact information and web sites, please visit: www.emersonprocess.com/home/contacts/global



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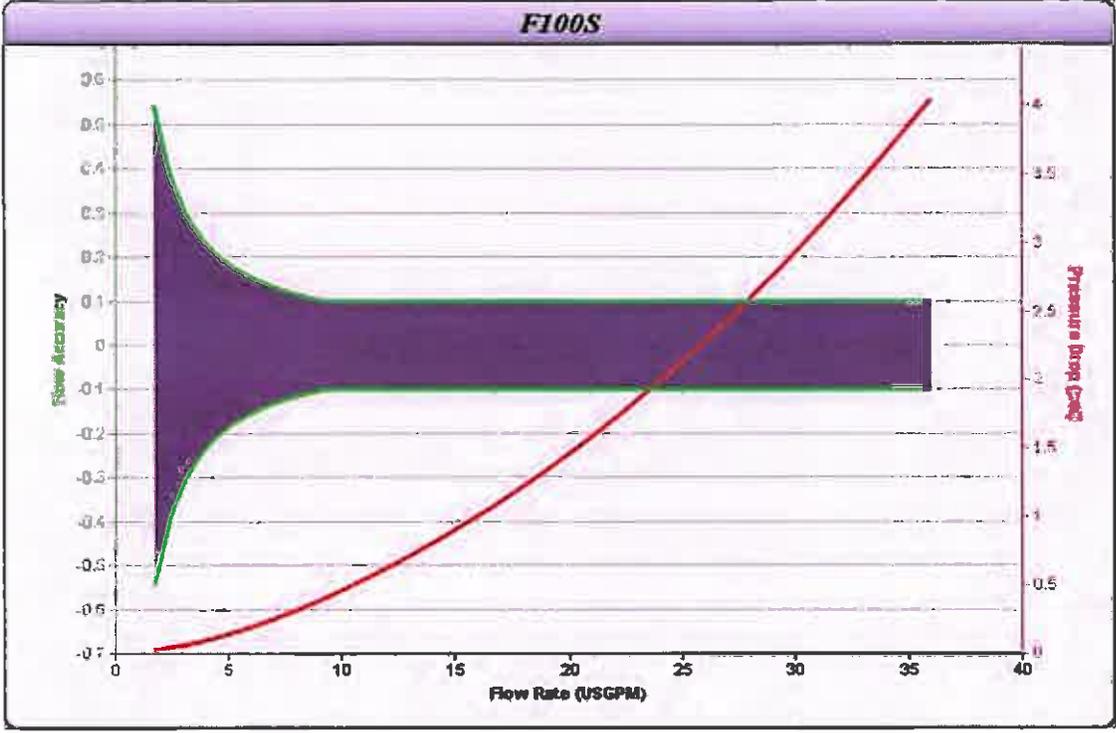
Micro Motion Calculation Summary					
Date:	10/21/10				
Company:					
Project Name:	449-MH-101011-0204120				
Service:	Liquid				
Sensor Model #:	F050S239C6BAEZ1ZZ				
Sensor Tag(s):					
Transmitter Model #:					
Transmitter Tag(s):					
Wetted Material:	316L stainless steel				
Fluid:	Condensate & Water				
Fluid State:	Liquid				
Mass Flow Accuracy at Operating Flow (+/- % of Rate):	0.10000				
Density Accuracy at all Rates (+/- %):	0.00100 g/cm3				
Pressure Drop at Operating Flow:	1.91215 psi				
Sensor Minimum Pressure at operating conditions:	psi				
Velocity at Operating Flow:	10.29810 ft/sec				
	Min	Operating*	Max	Design	Units
Flow Rate:	1.000	6.000	12.000		USGPM
Pressure:		250.000			psig
Process Fluid Temperature:		45.000			F
Ambient Temperature:		60.000			F
Density:		1.039			g/cm3
Viscosity:		1.000			cP
Gas only	Base Reference Temperature:	F			Density:
	Base Reference Pressure:	psia			
	Base Reference Density:	lb/ft3			
Process Connection:	3/4-inch NPT female Swagelok size 12 VCO fitting				
Process Connection Pressure Rating:	psig				
@ Temperature:	45.000 F				
Flow Rate	USGPM	Mass Flow Accuracy +/- % of Rate	Pressure Drop* psi	Velocity* ft/sec	Re
12.000		0.100	6.583	20.592	57157.023
10.900		0.100	5.515	18.705	51917.629
9.800		0.100	4.544	16.817	46678.235
8.700		0.100	3.667	14.929	41438.842
7.600		0.100	2.884	13.042	36199.448
6.000		0.100	1.912	10.296	28576.511
5.400		0.100	1.599	9.266	25720.660
4.300		0.100	1.096	7.379	20481.267
3.200		0.100	0.684	5.491	15241.873
2.100		0.110	0.358	3.604	10002.479
1.000		0.231	0.113	1.716	4763.085
*All pressure drop and velocity results are based on the process conditions (except flow rate) that are entered in the Operating column.					
Notes:					
Prepared by:	Instrument Toolkit		Version: 3.0 (Build163D)	Project ID:	449-MH-101011-0204120 : 318667
			Application:	Condensate & Water - 1	

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Micro Motion Calculation Summary					
Date:	10/21/10				
Company:					
Project Name:	449-MH-101011-0204120				
Service:	Liquid				
Sensor Model #:	F100S990C6BAEZ1ZX				
Sensor Tag(s):					
Transmitter Model #:					
Transmitter Tag(s):					
Wetted Material:	316L stainless steel				
Fluid:	Condensate & Water				
Fluid State:	Liquid				
Mass Flow Accuracy at Operating Flow (+/- % of Rate):	0.10000				
Density Accuracy at all Rates (+/- %):	0.06240 lb/ft ³				
Pressure Drop at Operating Flow:	1.22158 psi				
Sensor Minimum Pressure at operating conditions:	psi				
Velocity at Operating Flow:	8.81885 ft/sec				
	Min	Operating*	Max	Design	Units
Flow Rate:	1.000	18.000	36.000		USGPM
Pressure:		250.000			psig
Process Fluid Temperature:		45.000			F
Ambient Temperature:		60.000			F
Density:		64.799			lb/ft ³
Viscosity:		1.000			cP
Gas only	Base Reference Temperature:	F		Spec. Gravity:	1.039
	Base Reference Pressure:	psia			
	Base Reference Density:	lb/ft ³			
Process Connection:	ETO flange process connection				
Process Connection Pressure Rating:	psi				
@ Temperature:	45.000 F				
Flow Rate USGPM	Mass Flow Accuracy +/- % of Rate	Pressure Drop* psi	Velocity* ft/sec	Re	
36.000	0.100	4.044	17.638	91513.885	
32.500	0.100	3.367	15.923	82616.702	
29.000	0.100	2.755	14.208	73719.519	
25.500	0.100	2.204	12.493	64822.335	
22.000	0.100	1.713	10.779	55925.152	
18.000	0.100	1.222	8.819	45756.943	
15.000	0.100	0.901	7.349	38130.786	
11.500	0.100	0.578	5.634	29233.602	
8.000	0.115	0.312	3.919	20336.419	
4.500	0.205	0.114	2.205	11439.236	
1.000	0.824	0.068	0.490	2542.052	
*All pressure drop and velocity results are based on the process conditions (except flow rate) that are entered in the Operating column.					
Notes:					
Prepared by:		Project ID:	449-MH-101011-0204120: 318087		
Instrument Toolkit	Version: 3.0 (Build163D)	Application:	Condensate & Water - 2		

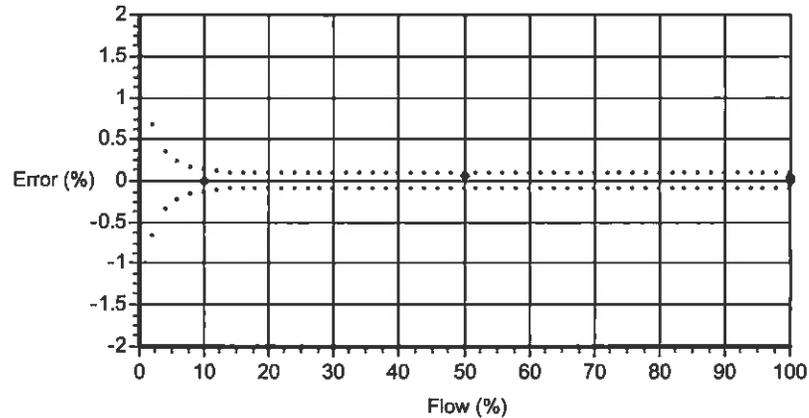
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Product Code	Serial ID	Order ID	Line	Item	Customer Tag
F100S128CQFAEZ1ZZ	14122040	20000296	1	1	TEST 1
PUCK700	08980279				

Process Detail

Process ID: 1.24304454
Process Time: 2008.12.29 22:43:45
Process Stand: TSM1C@SSCB
Stand Uncertainty: +/-0.03%
Fluid: H2O
100% Rate: 272.2 KG/MIN
Pickoff: 1
100% P/T: 75.74 PSIG/22 C



Results

Status: PASS
D1: 0
D2: 1
K1: 3600.995
K2: 4257.185
DT: 4.4
FD: 0
DTG: 0
DFQ1: 0
DFQ2: 0
FlowCal: 275.354.67
FFQ: 0
FTG: 0
DensCal: 03601042574.40
FCF: 275.35
FT: 4.67

Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	272.2	205.1456	205.1184	0.013	0.100
10.0	27.22	20.88298	20.88375	-0.004	0.133
50.0	136.1	102.2444	102.1744	0.069	0.100
100.0	272.2	205.1728	205.0724	0.049	0.100

S. ALMIZOORI
Technician

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
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2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: PPU FED 6-18D-12-15																														
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. API NUMBER: 43007313170000																														
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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/26/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; vertical-align: top; padding: 2px;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE TUBING</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> DEEPEN</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> TUBING REPAIR</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> VENT OR FLARE</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="vertical-align: top; padding: 2px;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="vertical-align: top; padding: 2px;"><input checked="" type="checkbox"/> OTHER</td> <td style="vertical-align: top; padding: 2px;">OTHER: <input style="width: 100px;" type="text" value="coriolis meter move"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="coriolis meter move"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted as notice that the previously approved Coriolis Meter installed on this well in January 2011 has been removed and is to be moved to Prickly Pear Unit Federal 3-21D-12-15; a location with greater liquids production. A sundry will be submitted detailing the move to this new location. Please contact Daniel Seaver at 303-299-9932 with any questions regard to the move of this meter.																																
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst																														
SIGNATURE N/A	DATE 4/21/2011																															

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73668
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0533 FNL 0586 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 18 Township: 12.0S Range: 15.0E Meridian: S	9. FIELD and POOL or WILDCAT: NINE MILE CANYON COUNTY: CARBON STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/28/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="gas lift installation"/>

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

Bill Barrett Corporation requests permission to install gas lift on this well. Injection gas will be metered with an orifice meter in accordance with 43 CFR 3162.7-3. Installation procedures are attached. Please contact Brian Hilgers at 303-312-8183 with questions.

Accepted by the Utah Division of Oil, Gas and Mining

 Date: 08/24/2011
 By: *Derek Quist*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 8/17/2011	

WORKOVER PROCEDURE

Prickly Pear Federal #06-18D-12-15

1. MIRU
2. Unseat tbg. TOOH with 2 3/8" tbg and 2 3/8" dead string. Tally tbg on way out of hole. Lay down dead string.
3. TIH as follows: 1 jt 2 3/8", XN Profile Nipple, 1 jt. tbg., X Profile Nipple, tubing to surface. EOT @ +/- 6743.
4. RD and MO. Return well to production on tbg flow.

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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/3/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text" value="gas lift installation"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="gas lift installation"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached, please find the procedures for the gas lift installation that took place on this well from 10/1-3/2011. Please contact Brady Riley at 303-312-8115 with any questions.																																
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY																																
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst																														
SIGNATURE N/A	DATE 10/26/2011																															



Daily Completion and Workover (legal size)

Well Name: Prickly Pear Fed. #6-18D-12-15

Report # 1.0, Report Date: 10/1/2011

Phase:

Well Name Prickly Pear Fed. #6-18D-12-15	API/UWI 43-007-31317	License #	Extra Well ID B 14627D	Operator Bill Barrett Corporation	Govt Authority BLM
Well Configuration Type Deviated	Original KB Elevation (ft) 7,575.00	Ground Elevation (ft) 7,554.00	KB-Ground Distance (ft) 21.00	Regulatory Drilling Spud Date 5/17/2008 00:00	Regulatory Rig Release Date
Surface Legal Location NWNW-18-12S-15E-W26M	North/South Distance (ft) 533.0	North/South Reference FNL	East/West Distance (ft) 586.0	East/West Reference FWL	Lat/Long Datum NAD27
Latitude (°)	Longitude (°)	Basin	Field Name	County	State/Province

Jobs							
Job Category Completion/Workover		Primary Job Type Reconfigure Tubing/Components			Start Date	End Date	
Target Depth (ftKB)	Target Formation	AFE Number 14627EQP	AFE+Supp Amt (Cost) 75,300.00	Total Fld Est (Cost) 14,333.00	Total Final Invoice (C...) 1,497.00	Var (AFE-Fld) (Cost) 60,967.00	Total Depth Drilled (ft)

Daily Operations							
Report Start Date 10/1/2011	Report End Date 10/2/2011	Weather		Temperature (°F)	Road Condition		
24 Hour Summary MIRU Wildcat service rig and support equip.; blow well down ND production tree NU BOPE, TOO with 2 3/8" tubing				Sundry Number: 19755 API Well Number: 43007313170000	Operations Next Report Period Fill with 2 3/8" tubing and at 6720 minus ND BOPE, NU production tree, RDMO to Prickly Pear 5-18D		

Daily Contacts							
Contact Name Kenny Sanders				Office 307-277-9317			

Daily Time Breakdown								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Category	Phase	Prob Ref #	Com
00:00	06:00	6.00	6.00	FBC K	Flowback Well			Flowing to sales no activity
06:00	08:00	2.00	8.00	SRIG	Rig Up/Down			Spot in Wildcat Service Rig and rig up
08:00	09:30	1.50	9.50	BOPI	Install BOP's			Blow down tubing pump 10 bbl top kill down tubing , continue to blow down casing, ND production tree, NU BOPE (7 1/16" 5K double with mud cross and 7 1/16" annular) function test
09:30	12:30	3.00	12.50	PULT	Pull Tubing			Pumped 20 bbl top kill down casing backed out lock downs unseat hanger picked up to 50K not moving continue to pull into hanger at 62K hanger came free, break out hanger and lay down, conti nue to TOO with standing tubing back in derrick, out of hole with Tubing (POOH with 209 jts.- XN-nipple,- Perforated Sub,- 32 jts 2 3/8" tubing all jts below perf sub were scaled up and pitted, Pumped total 90 bbls to keep well in control to TOO
12:30	00:00	11.50	24.00	FBC K	Flowback Well			Closed and locked blind rams set casing to flow to sales thru night, secured location SDFN, Current flow - FCP 160#, MMCF/day- 0.650

Safety Checks							
Time	Des	Type	Com				

Logs							
Date	Type	Top (ftKB)	Btm (ftKB)	Cased?			

Perforation Summary							
Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status			

Stimulation/Treatment Stages							
<typ> on <dtm>							
Date	Zone	Type	Stim/Treat Company				
Sub Stg #	Stage Type	Top (ftKB)	Btm (ftKB)	Vol Clean Pump (gal)			

Other In Hole							
Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)			

Cement							
Des	Start Date	Cement Comp					

RECEIVED _____



Daily Completion and Workover (legal size)

Well Name: Prickly Pear Fed. #6-18D-12-15

Report # 2.0, Report Date: 10/2/2011

Phase:

Well Name Prickly Pear Fed. #6-18D-12-15	API/UWI 43-007-31317	License #	Extra Well ID B 14627D	Operator Bill Barrett Corporation	Govt Authority BLM
Well Configuration Type Deviated	Original KB Elevation (ft) 7,575.00	Ground Elevation (ft) 7,554.00	KB-Ground Distance (ft) 21.00	Regulatory Drilling Spud Date 5/17/2008 00:00	Regulatory Rig Release Date
Surface Legal Location NWNW-18-12S-15E-W26M	North/South Distance (ft) 533.0	North/South Reference FNL	East/West Distance (ft) 586.0	East/West Reference FWL	Lat/Long Datum NAD27
Latitude (°)	Longitude (°)	Basin	Field Name	County	State/Province

Jobs					
Job Category Completion/Workover	Primary Job Type Reconfigure Tubing/Components			Start Date	End Date
Target Depth (ftKB)	Target Formation	AFE Number 14627EQP	AFE+Supp Amt (Cost) 75,300.00	Total Fld Est (Cost) 14,333.00	Total Final Invoice (C... 1,497.00
					Var (AFE-Fld) (Cost) 60,967.00
					Total Depth Drilled (ft)

Daily Operations					
Report Start Date 10/2/2011	Report End Date 10/3/2011	Weather	Temperature (°F)	Road Condition	
24 Hour Summary TIH with 2 3/8" tubing land at 6720' minus ND BOPE, NU production tree, RDMO to Prickly Pear 5-18D			Operations Next Report Period Sundays Number: 19755, API Well Number: 43007313170000 Flowing to sales turned operations back to production		

Daily Contacts	
Contact Name Kenny Sanders	Office 307-277-9317

Daily Time Breakdown								
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Code	Category	Phase	Prob Ref #	Com
00:00	00:45	0.75	0.75	FBC K	Flowback Well			Flowing to sales no activity, Current flow up casing - FCP-117#, MMCF/day- 0.487
00:45	01:00	0.25	1.00	SMT G	Safety Meeting			Crew Travel from Price UT. to location, 04:30 to 06:45, Safety Meeting and discuss operations for day
01:00	04:00	3.00	4.00	RUT B	Run Tubing			TIH with 2 3/8" N80 EUE 8rd; MU land hanger, screw in lock downs Land as follows; KB - 21' Hanger - 0.67' 213 jts 2 3/8" N80 - 6834.20' XN-nipple - 1.39' 1 jt 2 3/8" L80 - 31.70' 2 3/8" Mule shoe - 0.42' EOT - 6889.38'
04:00	05:30	1.50	5.50	BOP R	Remove BOP's			ND BOPE, NU production tree and sales line
05:30	00:00	18.50	24.00	FBC K	Flowback Well			Set casing to flow to sales current flow; FCP- 112#, MMCF/day- 0.355, Choke 32/64, SITP- 0# With light blow

Safety Checks			
Time	Des	Type	Com

Logs				
Date	Type	Top (ftKB)	Btm (ftKB)	Cased?

Perforation Summary				
Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status

Stimulation/Treatment Stages				
<typ> on <dtm>				
Date	Zone	Type	Stim/Treat Company	
Sub Stg #	Stage Type	Top (ftKB)	Btm (ftKB)	Vol Clean Pump (gal)

Other In Hole				
Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)

Cement		
Des	Start Date	Cement Comp

RECEIVED _____

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

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/7/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/7/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/28/2014
- a. Is the new operator registered in the State of Utah: Business Number: 8850806-0161
- a. (R649-9-2)Waste Management Plan has been received on: Not Yet
- b. Inspections of LA PA state/fee well sites complete on: Yes
- c. Reports current for Production/Disposition & Sundries on: 1/24/2014
- 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
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- 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:

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

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: RLB7886
- Indian well(s) covered by Bond Number: RLB7886
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B008371
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
2. NAME OF OPERATOR: ENERVEST OPERATING, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list)		8. WELL NAME and NUMBER: (see attached well list)
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
COUNTY:		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> 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 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 # B008321)

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 on) **APPROVED**
JAN 28 2014 4-PM
DIV. OF OIL, GAS & MINING
Rachel Medina

RECEIVED
JAN 07 2014

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

UDOGM CHANGE OF OPERATOR WELL LIST

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

UDOGM CHANGE OF OPERATOR WELL LIST

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

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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	

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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

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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

UDOGM CHANGE OF OPERATOR WELL LIST

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

UDOGM CHANGE OF OPERATOR WELL LIST

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

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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

UDOGM CHANGE OF OPERATOR WELL LIST

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	

UDOGM CHANGE OF OPERATOR WELL LIST

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