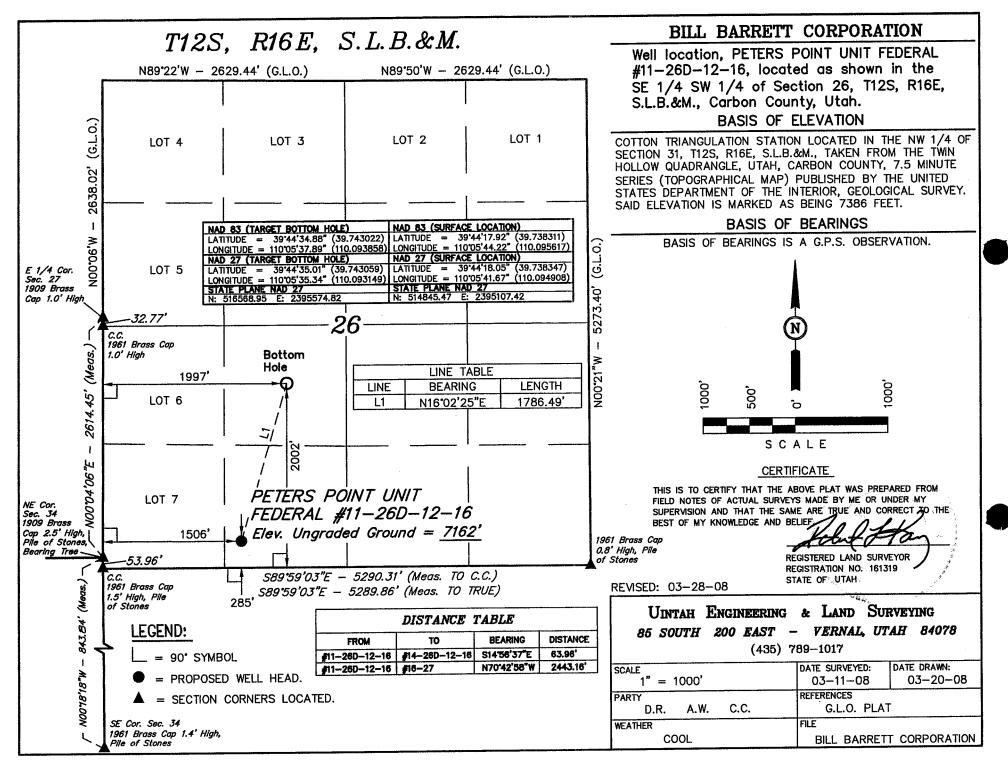
Form 3160-3 (August 2007) UNITED ST		NTIAL		FOR A Expires to 5. Lease Serial No.		
DEPARTMENT OF BUREAU OF LAND APPLICATION FOR PERMIT	MANAGEMENT	EENTER		UTU-0681 6. If Indian, Allotee N/A	or Tribe Name	
la. Type of work: 🔽 DRILL	REENTER		<u></u>	7. If Unit or CA Agre Peters Point / UTU-		
3a. Address 1099 18th Street, Suite 2300	3b. Phone No. (inc	lude area code)		10. Field and Pool, or I		
Denver, CO 80202 A. Location of Well (Report location clearly and in accordance At surface SESW, 285' FSL, 1506' FWL	303-312-8134 e with any State requirements.*)		Peter's Point/Wasatch-Mesaverde 11. Sec., T. R. M. or Bik. and Survey or Area Sec. 26, T12S-R16E		
At proposed prod. zone NESW, 2002' FSL, 1997' FV 14. Distance in miles and direction from nearest town or post of	-			12. County or Parish	13. State	
approximately 51 miles from Myton, Utah				Carbon County	UT	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres 1598.62		1	ng Unit dedicated to this w 40 acres	vell	
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Dep 8000' MD	th		BIA Bond No. on file vide Bond #WYB0000	040	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7162' graded ground	22. Approximate 09/01/2008	date work will star	t*	23. Estimated duration 45 days	n	
The following, completed in accordance with the requirements (of Onshore Oil and Gas Orde	r No.1, must be at	tached to th	is form:		
	4. System Lands, the 5.	Bond to cover th Item 20 above). Operator certific	e operatio ation		•	
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April 24, 2008

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

RE: Directional Drilling R649-3-11 Peters Point Unit Federal 11-26D-12-16 SHL: 285' FSL & 1506' FWL SESW 26-T12S-R16E BHL: 2002' FSL & 1997' FWL NESW 26-T12S-R16E 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 Peters Point Unit Area;
- This well is a directional well and is greater than 460 feet from the Peter's Point Unit boundary.
- 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 me at 303-312-8129.

Sincerely,

oug Gundry-White

Doug Gundry-White Senior Landman

RECEIVED

APR 2 8 2008

DIV. OF OIL, GAS & MINING

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

DRILLING PROGRAM

BILL BARRETT CORPORATION

Peter's Point Unit Federal #11-26D-12-16 SESW, 285' FSL, 1506' FWL, Sec. 26, T12S-R16E (surface hole) NESW, 2002' FSL, 1997' FWL, Sec. 26, T12S-R16E (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	3465'*	3285'*
North Horn	5483'*	5136'*
Dark Canyon	7017'*	6666'*
Price River	7214'*	6863'*
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					
- Drilling spool to a	ccommodate choke and kill lines;					
- Ancillary equipme	ent and choke manifold rated at 3,000#. All BOP and BOPE tests will be in					
accordance with th	ne 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 BC	OP 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 ef	ficiently in this manner.					

Casing Program

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Hole Size	SETTING	<u>G DEPTH</u> (TO)	<u>Casing</u> <u>Size</u>	<u>Casing</u> Weight	<u>Casing</u> <u>Grade</u>	Thread	Condition
12 1/4"	surface	1,000'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8" &	surface	8,000'	5 1/2"	17#	N-80	LT&C	New
8 3/4"			4 1/2"	11.6#	I-100	LT&C	New
Note: BB	C will use o	ne of two of	otions of pro	duction casi	ng noted abov	re. 7 7/8" ho	le size will
begin at th	e point the	bit is change	ed.				

Bill Barrett Corporation Drilling Program Peter's Point Unit Federal #11-26D-12-16 Carbon County, Utah

5. <u>Cementing Program</u>

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9 5/8" Surface Casing	Approximately 240 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = $1.85 \text{ ft}^3/\text{sx}$) and 170 sx Premium cement with additives mixed at 15.8 ppg (yield = $1.16 \text{ ft}^3/\text{sx}$) circulated to surface with 100% excess.
5 ½" Production Casing OR	Approximately 1570 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = $1.49 \text{ ft}^3/\text{sx}$). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.
4 ¹ /2" Production Casing	Approximately 1910 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = $1.49 \text{ ft}^3/\text{sx}$). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.
Note: Actual volumes to be calcula	ted from caliper log.

6. <u>Mud Program</u>

Interval	<u>Weight</u>	Viscosity	Fluid Loss	<u>Remarks</u>
			(API filtrate)	
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
"kicks" will be av fluid system in or	ailable at wells der to reduce to	ite. BBC may re	equire minor amo	I lost circulation and to contain unts of diesel to be added to its
approxin no ignitio - Capacity located v problem - The rig h	ter would be us nately 37' long on system as bu of compressor yery near the wo s be encountered	sed to suppress the and 6" diameter, urnable gas shoul : 1250SCFM with cellbore. The cont ed. capable of pump	ne dust coming or , would run from d not be encount h an 1170 SCFM npressor has swite	ut. The blooie line, the pit to the wellhead. There is ered. (on standby, which would be ches to shut off should any (fresh water), of which there is

7. <u>Testing, Logging and Core Programs</u>

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

8. <u>Anticipated Abnormal Pressures or Temperatures</u>

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 $0.052 \times TD = A$ (bottom hole pressure) **Maximum surface pressure = $A - (0.22 \times TD)$

9. <u>Auxiliary Equipment</u>

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:	September 1, 2008
Spud:	September 8, 2008
Duration:	15 days drilling time
	30 days completion time

SURFACE USE PLAN

BILL BARRETT CORPORATION <u>Peter's Point Unit Federal 14-26D-12-16 Pad Wells</u>

Peter's Point Unit Federal #3-35D-12-16	Peter's Point Unit Federal #15-26D-12-16
SESW, 208' FSL, 1527' FWL, Sec. 26, T12S-R16E (surface hole)	SESW, 239' FSL, 1518' FWL, Sec. 26, T12S-R16E (surface hole)
NENW, 632' FNL, 2022' FWL, Sec. 35, T12S-R16E (bottom hole)	SWSE, 671' FSL, 1953' FEL, Sec. 26, T12S-R16E (bottom hole)
Carbon County, Utah	Carbon County, Utah
Peter's Point Unit Federal #13-26D-12-16	Peter's Point Unit Federal #11-26D-12-16
SESW, 254' FSL, 1514' FWL, Sec. 26, T12S-R16E (surface hole)	SESW, 285' FSL, 1506' FWL, Sec. 26, T12S-R16E (surface hole)
SWSW, 701' FSL, 679' FWL, Sec. 26, T12S-R16E (bottom hole)	NESW, 2002' FSL, 1997' FWL, Sec. 26, T12S-R16E (bottom hole)
Carbon County, Utah	Carbon County, Utah
Peter's Point Unit Federal #10-26D-12-16	Peter's Point Unit Federal #12-26D-12-16
SESW, 270' FSL, 1510' FWL, Sec. 26, T12S-R16E (surface hole)	SESW, 301' FSL, 1502' FWL, Sec. 26, T12S-R16E (surface hole)
NWSE, 1991' FSL, 1950' FEL, Sec. 26, T12S-R16E (bottom hole)	NWSW, 2015' FSL, 673' FWL, Lot 6, Sec. 26, T12S-R16E (bottom hole)
Carbon County, Utah	Carbon County, Utah

The onsite for this pad occurred on April 11, 2008. This is an existing pad with one vertical well (the 14-26D-12-15) and six additional directional wells are planned. Minimal additional disturbance is required for expansion to accommodate the additional wells.

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

1. <u>Existing Roads:</u>

- a. The existing well pad is located approximately 51 miles from Myton, Utah. Maps reflecting directions to the proposed well pad are included (see Topographic Maps A and B).
- b. An access road, approximately 1882 feet in length exists to this pad. Total road disturbance requested for this access is 50-feet.
- c. Surface disturbance and vehicular travel would be limited to the approved existing access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- d. BBC would be responsible for all maintenance of the access road including drainage structures.
- e. The use of roads under State and County Road Department maintenance is necessary to access the Peter's Point Unit. However, an encroachment permit is not anticipated since there are no upgrades proposed to the State or County road systems at this time.
- f. All existing roads would be maintained and kept in good repair during all phases of operation.
- g. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

2. Planned Access Road:

a. See 1. b. under Existing Roads.

3. Location of Existing Wells (see Topographic Map C):

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	none
vi.	producing wells	nine
vii.	abandoned wells	none

4. Location of Production Facilities (see enclosed "Proposed Facility Layout"):

- a. All facilities for this pad would be located adjacent to each other (existing facilities for the Peter's Point 14-26D will be re-located as noted on the facility layout). Each well would have its own meter run and separator and six (6) additional 400-bbl tanks would be installed as necessary.
- b. All permanent above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. All facilities would 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.
- d. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to.
- e. Gas meter runs would be constructed and located on lease within 500 feet of the wellheads. Meter runs are 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 electronic flow meter (EFMs) for gas measurement purposes is requested with this application as well as use of flow conditioners (versus straightening vanes) for each new well.
- f. A tank battery exists on this lease and would be modified as per the proposed facility layout to include additional equipment. All loading lines and valves would be placed inside the berm surrounding the tank battery or would 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.
- g. Any necessary pits would be properly fenced to prevent any wildlife and livestock entry.
- h. All access roads would be maintained as necessary to prevent erosion and accommodate year-round traffic as practicable. The roads would be maintained in a safe, useable condition.

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- i. The site would require periodic maintenance to ensure that drainages are kept open and free of debris and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- j. A 6-inch buried gas pipeline, approximately 2150 feet in length, exists to this location.
- 5. Location and Type of Water Supply:
 - a. Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under Application Number 90-1853 (T76109) which expires April 3, 2009 or an existing water well in Sec. 13, T12S-R14E granted by the Utah State Engineer's Office under Application Number 90-1849 (T75896) which expires September 13, 2008.
 - b. Water use for this location will most likely be diverted from Nine Mile Creek, the S¹/4 of Section 8, T12S-R16E or from a water well located in the N¹/4 of State Section 32-T12S-R16E. For either of these sources, bobtail trucks would haul the water, traveling Cottonwood Canyon dugway to Peter's Point road.
- 6. <u>Source of Construction Material:</u>
 - a. The use of materials would conform to 43 CFR 3610.2-3.
 - b. No construction materials would be taken off-lease.
 - c. If any additional gravel is required, it would be obtained from SITLA materials permits or from federal BBC locations within the Peter's Point unit.
- 7. <u>Methods of Handling Waste Disposal:</u>
 - a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
 - b. Drill cuttings would be contained and buried on site.
 - c. The fluids in the existing reserve pit for the Peter's Point 14-26D well will be disposed of or evaporated prior to the expansion of the pit, which is necessary to accommodate the additional wells. The reserve pit is located outboard of the location along the west side of the pad.
 - d. The reserve pit would be constructed so as not to leak, break or allow any discharge.
 - e. Due to the expansion necessary, the reserve pit would be re-lined with a 12 mil minimum thickness polyethylene nylon reinforced liner material. The liner would overlay straw, soil and/or bentonite if rock is encountered during excavation. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner would be disposed of in the pit. Pit walls would be sloped no greater than 2:1 and the depth of the reserve pit would be approximately 8-feet with a minimum of 2 foot freeboard.

- f. The reserve pit has been located in cut material. Three sides of the reserve pit would be fenced before drilling starts. The fourth side would 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 would be rehabilitated as per the plans for reclamation of surface (10. below).
- g. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) in quantities over 10,000 pounds that may be used, produced, stored, transported or disposed of annually in association with the drilling, testing or completion of each well include diesel fuel, hydrochloric acid and silica sand. This material would be consumed in the drilling and completion process. No extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- h. Trash would 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 would be hauled off periodically to the approved Carbon or Uintah County Landfill.
- i. Produced fluids from each well other than water would 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 would be cleaned up and removed.
- j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities, evaporated in the pit, or hauled to a State approved disposal facility.
- k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- 1. Sanitary facilities would be on site at all times during operations. Sewage would 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 would be contained in test tanks on the well location. The tanks would be removed from location at a later date. A flare pit may be constructed a minimum of 110' from the wellheads and may be used during completion work. In the event a flare pit proves to be unworkable in this situation, a flare stack would be installed. BBC would flow back as much fluid and gas as possible into vessels, separating the fluid from the gas. The fluid would then be either returned to the reserve pit or placed into a tank. Gas would be then directed into the flare pit or the flare stack with a constant source of ignition. Natural gas would be directed to the pipeline as soon as pipeline gas quality standards are met.

- n. Hydrocarbons would be removed from the reserve pit as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.
- 8. <u>Ancillary Facilities:</u>
 - a. Garbage containers and portable toilets are the only ancillary facilities proposed in this application

9. <u>Well Site Layout:</u>

- a. Each well would 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. Minimal additional disturbance is necessary to accommodate the additional wells being added. The pad dimensions are 450' x 155' with a reserve pit of 245' x 100'.
- e. All surface disturbing activities would 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 would be such that stability can be maintained for the life of the activity.
- g. Diversion ditches would be constructed, if necessary, around the well pad to prevent surface waters from entering the area.
- h. The stockpiled topsoil (first 6 inches or maximum available) would be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil would be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- i. Pits would remain fenced until site cleanup.
- j. If air drilling occurs, the blooie line would be located at least 100 feet from the individual well head and would run from the each wellhead directly to the pit.
- k. Water application may be implemented if necessary to minimize the amount of fugitive dust.

10. <u>Plan for Restoration of the Surface:</u>

Producing Wells

- a. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location.
- b. The reserve pit would be closed as soon as reasonably practical, but no later than 90 days from completion of the last well on the pad, provided favorable weather conditions and that there are no plans to re-use the pit within one year. An extension may be given at the discretion of the BLM Authorized Officer. The following are requirements for pit closures:
 - 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;
 - If a liner was used, the polyethylene nylon reinforced liner shall be torn and perforated before backfilling;
 - The operator would 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 at least 48-hours prior to the filling and reclamation of pits and the start of any reclamation such as recontouring and reseeding.
- c. Reclamation requirements would be dependant upon plans for subsequent drilling activity on the pad. The operator shall contact the BLM Authorized Officer within 90 days of completion of the last well on the pad and provide plans for subsequent pad use.
 - In the event that the operator plans to re-occupy the pad within three years, the operator shall seed the unused portions of the pad with a cover crop as approved for this use by the BLM. If necessary, this cover crop would be replanted each year that the pad remains in an un-reclaimed state. Unless otherwise specifically authorized, no pad shall remain in an un-reclaimed state for more than three years.
 - Cover crops would be seeded by broadcasting seed over all unused portions of the pad. Seed would be covered with soil to the appropriate depth by raking or other methods.
 - In the event there are no plans to re-occupy the pad within three years, interim reclamation activities would begin within 90 days. The operator would use the BLM approved seed mix and would seed during the first suitable seeding season.
 - Interim reclamation drill seeding would be conducted 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% would be used.

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

<u>Dry Hole</u>

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

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. <u>Other Information:</u>

- a. Montgomery Archaeological Consultants conducted a Class III archeological survey. A copy of the report was submitted under separate cover to the appropriate agencies by Montgomery as MOAC Report No. 05-480 dated December 12, 2005.
- Intermountain Paleo Consulting, Inc. conducted monitoring activities at the time of construction on the Peter's Point 14-26D pad, IPC Report No. 07-159 dated August 24, 2007. No fossils were found.
- c. Areas in the proposed drilling program where fluids escaping the wellbore and exiting onto a hillside might occur will be identified. In those cases, cement and/ or fluid loss compounds (types of lost circulation fluids) would be utilized to heal up vags and cracks. Upon individual evaluation of the proposed well sites, air drilling the hole to surface casing depth may occur.
- d. 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.

Well name:			Utah: West Tavap	uts		
Operator:	Bill Barrett					
String type:	Surface					
Location:	Carbon Count	v. UT				
Design na	rameters:		Minimum design factors:		Environment:	
	rameters:		Minimum design factors: Collapse:		Environment: H2S considered?	No
Design pa <u>Collapse</u> Mud weigi		9.50 ppg	Minimum design factors: <u>Collapse:</u> Design factor	1,125		No 75.00 °F

Design is based on evacuated pipe.

Y

Burst	_	<u>Burst:</u> Design factor	1.00	Cement top:	Surface
Max anticipated surface pressure:	e 2,735 psi				
Internal gradient:	0.22 psi/ft				
Calculated BHP	2,955 psi	Tension:		Non-directional string.	
		8 Round STC:	1.80 (J)		
		8 Round LTC:	1.80 (J)		
Annular backup:	9.50 ppg	Buttress:	1.80 (J)		
		Premium:	1.80 (J)		
		Body yield:	1.80 (B)	Re subsequent strings:	
				Next setting depth:	10,000 ft
		Tension is based on	buoyed weight.	Next mud weight:	9.500 ppg
		Neutral point:	859 ft	Next setting BHP:	4,935 psi
				Fracture mud wt:	10.000 ppg
				Fracture depth:	10,000 ft
				Injection pressure	5,195 psi

Run Seq 1	Segment Length (ft) 1000	Size (in) 9.625	Nominal Weight (Ibs/ft) 36.00	Grade J/K-55	End Finish ST&C	True Vert Depth (ft) 1000	Measured Depth (ft) 1000	Drift Diameter (in) 8.796	internal Capacity (ft³) 71.2
Run Seq	Collapse Load (psi) 493	Collapse Strength (psi) 2020	Collapse Design Factor 4.094	Burst Load (psi) 2735	Burst Strength (psi) 3520	Burst Design Factor 1.29	Tension Load (Kips) 31	Tension Strength (Kips) 453	Tension Design Factor 14.64 J

Prepared	Dominic Spencer
by:	Bill Barrett

Phone: (303) 312-8143 FAX: (303) 312-8195 Date: August 1,2003 Denver, Colorado 1.40 °F/100ft

1,000 ft

Temperature gradient:

Minimum section length:

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: Operator: **Bill Barrett** String type: Production

4

3

Uta: West Tavaputs

Location: Uintah County, UT

Design parameters: <u>Collapse</u> Mud weight: Design is based on evacua	9.50 ppg ated pipe.	Minimum design factors: <u>Collapse:</u> Design factor	1.125	Environment: H2S considered? Surface temperature: Bottom hole temperature: Temperature gradient: Minimum section length:	No 75.00 °F 215 °F 1.40 °F/100ft 1,500 ft
		<u>Burst:</u> Design factor	1.00	Cement top:	900 ft
Burst					
Max anticipated surface pressure:	4,705 psi				
Internal gradient:	0.02 psi/ft				
Calculated BHP	4,935 psi	Tension:		Non-directional string.	
	.,	8 Round STC:	1.80 (J)		
		8 Round LTC:	1.80 (J)		
Annular backup:	9.50 ppg	Buttress:	1.80 (J)		
		Premium:	1.80 (J)		
		Body yield:	1.80 (B)		
		Tension is based on buoy	ed weight.		
		Neutral point:	8,559 ft		

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (Ibs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	5.5	17.00	N-80	LT&C	10000	10000	4.767	344.6
Run Seq 1	Collapse Load (psi) 4935	Collapse Strength (psi) 6290	Collapse Design Factor 1.275	Burst Load (psi) 4705	Burst Strength (psi) 7740	Burst Design Factor 1.65	Tension Load (Kips) 146	Tension Strength (Kips) 348	Tension Design Factor 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:

Bill Barrett Corporation Operator: Production String type:

West Tavaputs General

Design paramete <u>Collapse</u> Mud weight:	9.50 ppg	Minimum design factors: <u>Collapse:</u> Design factor	1.125	Environment: H2S considered? Surface temperature:	No 60.00 °F
Design is based on	evacuated pipe.	<u>Burst:</u> Design factor	1.00	Bottom hole temperature: Temperature gradient: Minimum section length: Cement top:	200 °F 1.40 °F/100ft 1,500 ft 2,500 ft
Burst Max anticipated su pressure: Internal gradient: Calculated BHP	2,735 psi 0.22 psi/ft 4,935 psi	<u>Tension:</u> 8 Round STC: 8 Round LTC:	1.80 (J) 1.80 (J)	Non-directional string.	
No backup mud sp	ecmea.	Buttress: Premium: Body yield: Tension is based on buoyed Neutral point:	1.80 (J) 1.80 (J) 1.80 (B)		

Internal Drift True Vert Measured Nominal End Run Segment Capacity Diameter Depth Finish Depth Weight Grade Length Size Seq (ft³) (ft) (in) (ft) (lbs/ft) (ft) (in) 231.8 10000 3.875 LT&C 10000 I-100 11.60 10000 4.5 1 Tension Tension Tension Burst Burst Collapse Collapse Burst Collapse Run Load Strength Design Design Strength Design Load Load Strength Seq Factor (Kips) Factor (Kips) Factor (psi) (psi) (psi) (psi) 2.45 245 100 1.97 7220 1.46 4935 9720 4935 1

> Prepared Dominic Spencer by: Bill Barrett

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

7-Apr-08 Date: 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.



NINE MILE CEMENT VOLUMES

Well Name:

Peter's Point Unit Federal 11-26D-12-16

Surface Hole Data:

Cal	cul	ated	1 Da	ta:

Lead Volume:

Tail Volume:

Lead Fill:

Tail Fill:

219.2

700'

94.0

300'

ft

ft

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

Cement Data:

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

Calculated # of Sacks:

SK's Lead: 200 # SK's Tail:

Production Hole Data:			Calculated Data:		
Total Depth:	8,000'	1	Lead Volume:	2180.7	ft ³
Top of Cement:	900'	1	Lead Fill:	7,100'	
OD of Hole:	8.750"	1			-
OD of Casing:	4.500"	1			
ob of cashig.	1.000	1			
<u>Cement Data:</u>		ft ³ /st	Calculated # of		
		ft ³ /sk	Calculated # of # SK's Lead:		

Peter's Point Unit Federal 11-26D-12-16 Proposed Cementing Program

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

Job Recommendation		Produc	tion Casing
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:	504.87	bbl
1.0 lbm/sk Granulite TR 1/4	Proposed Sacks:	1910	sks



NINE MILE CEMENT VOLUMES

Well Name:

Peter's Point Unit Federal 11-26D-12-16

Surface Hole Data:

Total Depth:

OD of Hole:

OD of Casing:

Top of Cement:

~ .		2.1.1.4	-	1000
Cal	cula	ted	Da	ta 1
~~~	C LLCL	LC LL	Lu	CCC.

 Lead Volume:
 219.2
 ft³

 Lead Fill:
 700'
 100'

 Tail Volume:
 94.0
 ft³

 Tail Fill:
 300'
 100'

Cement Data:

Lead Yield:	1.85	ft ³ /sk	٦
Tail Yield:	1.16	ft ³ /sk	
% Excess:	100%		

1,000'

0

12.250"

9.625"

Calculated # of Sacks:

# SK's Lead: # SK's Tail:

Production Hole Data	1	C	alculated Data:		
Total Depth:	8,000'		Lead Volume:	1793.4	ft ³
Top of Cement:	900'		Lead Fill:	7,100'	
OD of Hole:	8.750"				
OD of Casing:	5.500"				
0				16	
<u>Cement Data:</u>			Calculated # of s	Sacks:	
	1.49 ft ³ /sk 30%		Calculated # of s		I

# Peter's Point Unit Federal 11-26D-12-16 Proposed Cementing Program

Job Recommendation		Su	rface Casing
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.85	ft ³ /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	700'	
	Volume:	78.09	bbl
	<b>Proposed Sacks:</b>	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
	<b>Proposed Sacks:</b>	170	sks

Job Recommendation		Produc	tion Casing
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

Bill Barrett Corporation

**BILL BARRETT CORP** 

CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E PETERS POINT UF 11-26D-12-16

PT PT 11-26-12-16

Plan: Design #1

# **Standard Planning Report**

04 April, 2008

# BILL BARRETT CORPORATION

Planning Report

Jatabase: Company: Project: Site: Nellibore: Design:	CARBON SECTION PETERS	RETT CORP COUNTY, UT ( 26 T12S R16E POINT UF 11-2 -26-12-16	-	n ger anders skrifterig, g	TVD Referen MD Referen North Refer	ice:	W W Tr	ell PETERS PO ELL @ 7177.00 ELL @ 7177.00 ue inimum Curvatu	ft (Original W ft (Original W	ell Elev)
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Well Position	+N/-S +E/-W	76.88 ft -20.31 ft		hing:	· ·	514,845.660 395,107.739,				39° 44' 18.050 N 110° 5' 41.6700 W
	+E/-W	-20.31 10	East	ung:		.,395,107.759	-	itude: nd Level:		7,162.00 ft
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Wellbore Magnetics Design Audit Notes: Version: Vertical Section: Plan Sections Measured Depth Incli (ff) 0.00 250.00 500.00 1,062.46 1,850.28	Mode Design #1 Design #1 0.00 0.00 5.00 5.00 5.00 24.70	I-26-12-16 I Name BGGM2007 Dept Azimuth (°) 0.00 0.00 16.07 16.07 16.07	Sample   2 Phase: h From (TVE (ft) 0.00 erfical Depth (ft) 0.00 250.00 499.68 1,060.00 1,817.77	Date /25/2008 PL4 )) +N/-S (ft) 0,00 0,00 10,48 57,58 250,62	Declinati (*) AN +N/-S (ft) 0.00 +E/-W (ft) 0.00 0.00 0.00 3.02 16.59 72.21	11.72 Tie +E ( 0 Dogleg Rate ('/100ff) 0.00 0.00 2.00 0.00 2.50	Dip Ar (*) • On Depth: :/-W/ ft) .00 Build Rate (*)*100ft) 0.00 0.00 2.00 0.00 2.50	gle 65.62 Dire ( 16 16 (/100ft) 0.00 0.00 0.00 0.00 0.00 0.00	(r 0.00 ction 9) .07 TFO (9) 0.00 0.00 16.07 0.00 0.00	trength T) 52,460
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**Bill Barrett Corporation** 



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## **BILL BARRETT CORPORATION**

**Planning Report** 

Vatabase: company: roject; velt: Velt: Vellbore: Design:	SECTION 26	UNTY, UT (NAD T12S R16E NT UF 11-26D-1		TVD Re MD Ref North F	Co-ordinate Re Inference: Reference: Calculation M	ing and a start of	WELL @ 717 True	WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)			
Planned Survey		and man air 14 ann a' Bhrail Ballant a' Anna 19 Ior Bhrailte an Anna Bhrailte Anna Anna Anna Ior Bhrailte an Anna Bhrailte Anna Anna Anna Anna Anna Anna Anna A	en de la deficie de la constant de La constant de la const	n an	<u>- 1</u>	ingen of the state	- Million and a second second second	nen henne som hen sen som	en an		
Measured			Vertical		energia Participation de la companya	Vertical	Dogleg	Build	Turn		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)		
250.0	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00		
Start Buil		0.00	200.00	0.00	0.00	0.00					
300.0		16.07	300.00	0.42	0.12	0.44	2.00	2.00	0.00		
400.0		16.07	399.93	3.77	1.09	3.93	2.00	2.00	0.00		
500.0		16.07	499.68	10.48	3.02	10.90	2.00	2.00	0.00		
	.46 hold at 500.00 M		500.00	10.05	5.40	40.00	0.00	0.00	0.00		
600.0		16.07	599.30	18.85	5.43 7.84	19.62 28.33	0.00 0.00	0.00 0.00	0.00 0.00		
700.0 800.0		16.07 16.07	698.92 798.54	27.23 35.60	10.26	28.33 37.05	0.00	0.00	0.00		
900.0		16.07	898.16	43.98	12.67	45.76	0.00	0.00	0.00		
1,000.0		16.07	997.78	52.35	15.08	54.48	0.00	0.00	0.00		
1,002.2	23 5.00	16.07	1,000.00	52.54	15.13	54.67	0.00	0.00	0.00		
9 5/8"											
1,062.4		16.07	1,060.00	57.58	16.59	59.92	0.00	0.00	0.00		
	S 2.50 TFO 0.00										
1,100.0	00 5.94	16.07	1,097.37	61.02	17.58	63.50	2.50	2.50	0.00		
1,200.0	00 8.44	16.07	1,196.58	73.04	21.04	76.01	2.50	2.50	0.00		
1,300.0	00 10.94	16.07	1,295.14	89.21	25.70	92.84	2.50	2.50	0.00		
1,400.0	00 13.44	16.07	1,392.88	109.50	31.55	113.95	2.50	2.50	0.00		
1,500.0	00 15.94	16.07	1,489.61	133.86	38.57	139.31	2.50	2.50	0.00		
1,600.0	00 18.44	16.07	1,585.13	162.26	46.75	168.86	2.50	2.50	0.00		
1,700.0	20.94	16.07	1,679.28	194.63	56.07	202.54	2.50	2.50	0.00		
1,800.0		16.07	1,771.87	230.91	66.53	240.31	2.50	2.50	0.00		
1,850.2	28 24.70	16.07	1,817.77	250.62	72.21	260.81	2.50	2.50	0.00		
Start 314	8.68 hold at 1850.2	8 MD									
1,900.0	24.70	16.07	1,862.95	270.58	77.96	281.58	0.00	0.00	0.00		
2,000.0	24.70	16.07	1,953.80	310.72	89.53	323.36	0.00	0.00	0.00		
2,100.0	00 24.70	16.07	2,044.65	350.87	101.09	365.14	0.00	0.00	0.00		
2,200.0		16.07	2,135.51	391.02	112.66	406.92	0.00	0.00	0.00		
2,300.		16.07	2,226.36	431.16	124.23	448.70	0.00	0.00	0.00		
2,400.		16.07	2,317.22	471.31	135.80	490.48	0.00	0.00	0.00		
2,500.		16.07	2,408.07	511.45	147.36	532.26	0.00	0.00	0.00		
2,600.	00 24.70	16.07	2,498.92	551.60	158.93	574.04	0.00	0.00	0.00		
2,000.		16.07	2,589.78	591.75	170.50	615.82	0.00	0.00	0.00		
2,800.		16.07	2,680.63	631.89	182.07	657.60	0.00	0.00	0.00		
2,900.		16.07	2,771.49	672.04	193.64	699.38	0.00	0.00	0.00		
3,000.		16.07	2,862.34	712.19	205.20	741.16	0.00	0.00	0.00		
					216.77	782.94	0.00	0.00	0.00		
3,100. 3,200.		16.07 16.07	2,953.19 3,044.05	752.33 792.48	216.77 228.34	782.94 824.72	0.00	0.00	0.00		
3,200.		16.07	3,134.90	832.63	239.91	866.50	0.00	0.00	0.00		
3,400.		16.07	3,225.76	872.77	251.47	908.28	0.00	0.00	0.00		
3,465.		16.07	3,285.00	898.95	259.02	935.52	0.00	0.00	0.00		
WASAT											
		·• •=						0.00	0.00		
3,500.		16.07	3,316.61	912.92	263.04	950.06 991.84	0.00 0.00	0.00 0.00	0.00 0.00		
3,600.		16.07	3,407.47	953.06	274.61		0.00	0.00	0.00		
3,700.			3,498.32	993.21 1.033.36	286.18 297.75	1,033.62 1,075.40	0.00	0.00	0.00		
3,800. 3,900.			3,589.17 3,680.03	1,033.36 1,073.50	297.75 309.31	1,117.18	0.00	0.00	0.00		
4,000			3,770.88	1,113.65	320.88	1,158.96	0.00	0.00	0.00		
4,100			3,861.74	1,153.80	332.45		0.00	0.00	0.00		
4,200			3,952.59	1,193.94	344.02		0.00	0.00	0.00		
4,300			4,043.44	1,234.09	355.58		0.00	0.00	0.00		
4 400	.00 24.70	16.07	4,134,30	1.274.23	367.15	1.326.07	0.00	0.00	0.00		

4,400.00

24.70

16.07

4,134.30

1,274.23

367.15

1,326.07

COMPASS 2003.21 Build 25

0.00



# **BILL BARRETT CORPORATION**

Planning Report

Datābase:	Compass	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Project:	CARBON COUNTY, UT (NAD 27)	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site:	SECTION 26 T12S R16E	North Reference:	True
Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	PT PT 11-26-12-16		
Design:			กลังครองสัญหาการ กรรดที่ประเทศสีนระบบ ประเทศสาย กรรณร์ร่างการเป็นการ เป็นการ เป็นการแบบ เป็นการเป็นสังหาก 1994

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Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(1)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
4,500.00	24.70	16.07	4,225.15	1,314.38	378.72	1,367.85	0.00	0.00	0.00
4,600.00	24.70	16.07	4,316.01	1,354.53	390.29	1,409.63	0.00	0.00	0.00
4,700.00	24.70	16.07	4,406.86	1,394.67	401.86	1,451.41	0.00	0.00	0.00
4,800.00	24.70	16.07	4,497.71	1,434.82	413.42	1,493.19	0.00	0.00	0.00
4,900.00	24.70	16.07	4,588.57	1,474.97	424.99	1,534.97	0.00	0.00	0.00
4,998.96	24.70	16.07	4,678.48	1,514.70	436.44	1,576.32	0.00	0.00	0.00
Start Drop -:	2.50								
5,000.00	24.67	16.07	4,679.42	1,515.11	436.56	1,576.75	2.50	-2.50	0.00
5,100.00	22.17	16.07	4,771.18	1,553.30	447.56	1,616.50	2.50	-2.50	0.00
5,200.00	19.67	16.07	4,864.58	1,587.61	457.45	1,652.20	2.50	-2.50	0.00
5,300.00	17.17	16.07	4,959.45	1,617.97	466.20	1,683.79	2.50	-2.50	0.00
5,400.00	14.67	16.07	5,055.60	1,644.32	473.79	1,711.22	2.50	-2.50	0.00
5,482.73	12.60	16.07	5,136.00	1,663.06	479.19	1,730.72	2.50	-2.50	0.00
NORTH HOI									
5,500.00	12.17	16.07	5,152.87	1,666.62	480.22	1,734.43	2.50	-2.50	0.00
5,600.00	9.67	16.07	5,251.05	1,684.82	485.46	1,753.37	2.50	-2.50	0.00
5,700.00	7.17	16.07	5,349.96	1,698.89	489.51	1,768.01	2.50	-2.50	0.00
5,800.00	4.67	16.07	5,449.42	1,708.80	492.37	1,778.32	2.50	-2.50	0.00
5,900.00	2.17	16.07	5,549.23	1,714.53	494.02	1,784.29	2.50	-2.50	0.00
5,986.79	0.00	0.00	5,636.00	1,716.11	494.48	1,785.93	2.50	-2.50	-18.52
Start 1872.0	0 hold at 5986.7	9 MD							
6,000.00	0.00	0.00	5,649.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,100.00	0.00	0.00	5,749.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,200.00	0.00	0.00	5,849.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,300.00	0.00	0.00	5,949.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,400.00	0.00	0.00	6,049.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,500.00	0.00	0.00	6,149.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,600.00	0.00	0.00	6,249.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,700.00	0.00	0.00	6,349.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,800.00	0.00	0.00	6,449.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
6,900.00	0.00	0.00	6,549.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,000.00	0.00	0.00	6,649.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,016.79	0.00	0.00	6,666.00	1,716.11	494.48	1,785.93	0.00	0.00	0.00
DARK CAN	YON								
7,100.00	0.00	0.00	6,749.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,200.00	0.00	0,00	6,849.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,213.79	0.00	0.00	6,863.00	1,716.11	494.48	1,785.93	0.00	0.00	0.00
PRICE RIV							-		
7,300.00	0.00	0.00	6,949.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,400.00	0.00	0.00	7,049.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,500.00	0.00	0.00	7,149.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,600.00	0.00	0.00	7,249.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,631.79	0.00	0.00	7,281.00	1,716.11	494.48	1,785.93	0.00	0.00	0.00
PRICE RIV	ER_6840' SAND								
7,658.79	0.00	0.00	7,308.00	1,716.11	494.48	1,785.93	0.00	0.00	0.00
PRICE RIV	ER_6840' BASE								
7,700.00	-	0.00	7,349.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,800.00	0.00	0.00	7,449.21	1,716.11	494.48	1,785.93	0.00	0.00	0.00
7,858.79		0.00	7,508.00	1,716.11	494.48	1,785.93	0.00	0.00	0.00
TD at 7858				,					

			Planning Re	port		
CARBON SECTION PETERS I	COUNTY, UT 26 T12S R16 POINT UF 11- -26-12-16	E	TVD Refer MD Refere North Refe	ence: nce: ;rence:	WELL @ 7177.00ft WELL @ 7177.00ft True	(Original Well Elev)
Measured Depth (ft) 1,002.23	Vertical Depth (ft) 1,000.0	20 9 5/8"	Name		Casing Diameter (") 9-5/8	Hole Diameter (*) 12-1/4
	s., a. <del>R. C. C. S. S. C. C. C. S.</del>	an a	a ang aga gang tang ang ang ang ang ang ang ang ang ang	an a		
Measured Depth (#)	Vertical Depth (fft)				Dip	Dip Direction (°)
2010년 19월 19월 19일 - 1990년 19일 19월 19일 - 19일 19월 19일 - 19g -	2012 (MORECENT)	Alexandria da Alexandria de La Malerdada	lang dan sarih sang sang sang sang Sang sang sang sang sang sang sang sang s	LINOROGY	0.00	anda ng denering na manang pangkanang sa
					0.00	
-					0.00	
7,213.79	•	PRICE RIVER			0.00	
7,631.79	7,281.00	PRICE RIVER_6840' S	SAND		0.00	
		PRICE RIVER_6840' E	BASE		0.00	
7,631.79						
7,658.79 ns Measured Depth (ft)	7,308.00 Vertical Depth (ft)	Local Coordi +N/-S	nates +E/-W	Comment		
ns Measured Depth (ft)	Vertical Depth (ft)	Local Coordi +N/-S (ft)	nates +E/-W (ft)			
ns Measured Depth	Vertical Depth	Local Coordi +N/-S	nates +E/-W	Comment Start Build 2.00 Start 562.46 hold at 50	00.00 MD	
ns Measured Depth (ft) 250.00	Vertical Depth (ft) 250.00	Local Coordi +N/-S (ft) 0.00	nates +E/-W (ft) 0.00	Start Build 2.00		
	Compass BILL BARI CARBON SECTION PETERS I PT PT 11- Design #1 Measured Depth (ft) 3,465.21 5,482.73 7,016.79 7,213.79	BILL BARRETT CORP CARBON COUNTY, UT SECTION 26 T12S R16 PETERS POINT UF 11. PT PT 11-26-12-16 Design #1           Measured (ff)         Vertical Depth (ff)           1,002.23         1,000.0           Measured (ft)         Vertical Depth (ft)           3,465.21         3,285.00           5,482.73         5,136.00           7,016.79         6,666.00           7,213.79         6,863.00	Measured         Vertical           Depth         Depth           (ft)         (ft)           3,465.21         3,285.00         WASATCH           3,465.21         3,285.00         WASATCH           7,016.79         6,666.00         DARK CANYON           7,213.79         6,663.00         PRICE RIVER	Measured     Vertical       Depth     (ft)       1,002.23     1,000.00     9 5/8"	Measured     Vertical       Depth     Depth       (ft)     (ft)       Nource     1,002.23       3,465.21     3,285.00       VASATCH       5,482.73       5,136.00       0,117.9       6,666.00       DARK CANYON       7,213.79       6,863.00	Ammetic Composation     Planning Report       Compass BILL BARRETT CORP BILL BARRETT CORP CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E PETERS POINT UF 11-26D-12-16 PT PT 11-26-12-16 Design #1     Local Co-ordinate Reference: TVD Reference: North Reference: Survey Calculation Method: Pr PT 11-26-12-16 Design #1     Weil PETERS POINT WELL @ 7177.00ft True Minimum Curvature       Measured (ft)     Vertical Depth Depth (ft)     Casing Diameter ("]       1.002.23     1.000.00     9 5/8"       9-5/8     9-5/8       Measured (ft)     Vertical Depth       Depth (ft)     Depth (ft)       Name     Uithology       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.285.00       3.465.21     3.286.00       3.465.21     <

436.44 494.48 494.48

Start Drop -2.50 Start 1872.00 hold at 5986.79 MD

TD at 7858.79

4,998.96 5,986.79

7,858.79

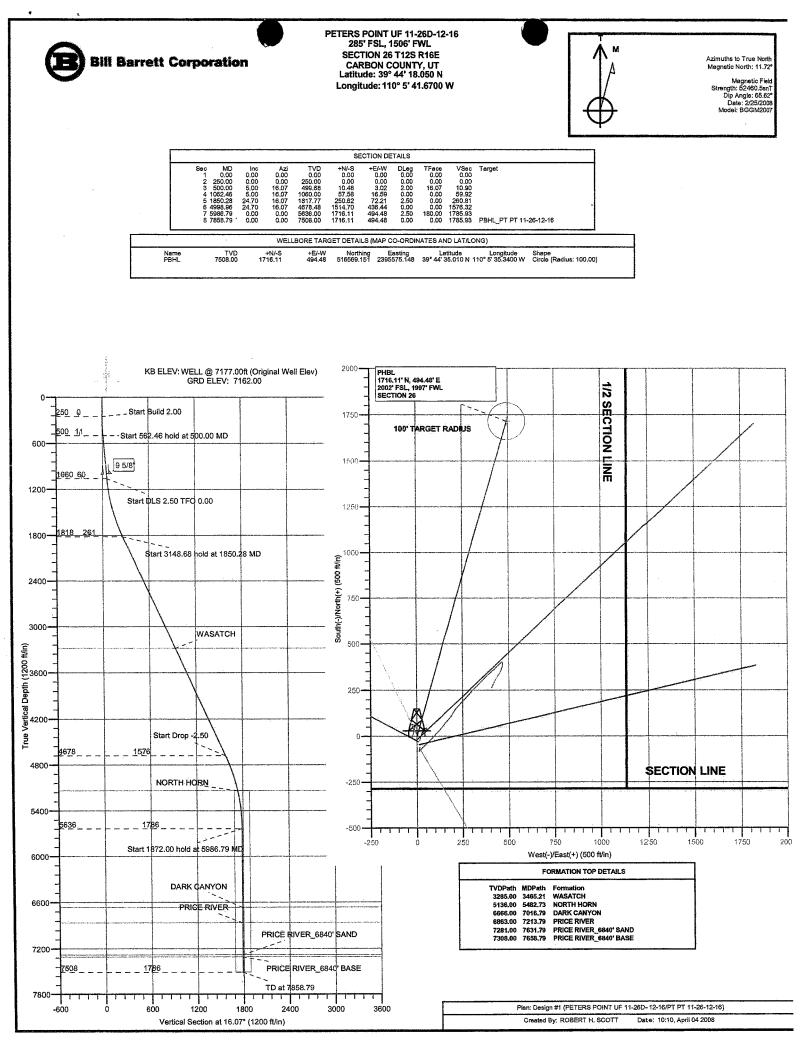
4,678.48 5,636.00

7,508.00

250.62 1,514.70

1,716.11

1,716.11





# **BILL BARRETT CORP**

CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E PETERS POINT UF 11-26D-12-16

PT PT 11-26-12-16 Design #1

# **Anticollision Report**

04 April, 2008



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# BILL BARRETT CORPORATION

Anticollision Report

	BILL BARRETT CORP	Logal	Co-ordinate R	oforonco:		ERS POINT U	F 11-26D	12-16	
Company:			eference:	CICICIICC.	30-	7177.00ft (Orig			
Project:	CARBON COUNTY, UT (NAD 27)	Constanting of the second		dana kata dan sa	262 T				
Reference Site:	SECTION 26 T12S R16E	100000000000000000000000000000000000000	ference:		WELL @ 7177.00ft (Original Well Elev) True Minimum Curvature				
Site Error:	0.00ft	· · · · · · · · · · · · · · · · · · ·	Reference:						
Reference Well:	PETERS POINT UF 11-26D-12-16		Calculation I	网络加强安康马达国 新闻					
Vell Error:	0.00ft		t errors are at	a na shina anna a' sa Marao a	2.00 sigm				
Reference Wellbore	PT PT 11-26-12-16	Databa			Compass				
Reference Design:	" Design #1 Wareness Franzis Actas actor for the second statement of the second stat	Offset	TVD Referenc	<b>;</b>	Offset Da	tum An an	an na a	and the second second	
Reference	Design #1	and for the second s	daga - shi parsenga - s	ander dit erstellige er a	n an	n an	an a	an a	
Filter type:	NO GLOBAL FILTER: Using user define	ed selection & filter	-						
Interpolation Method:	MD + Stations Interval 100.00ft		Error Model		ISCWSA				
Depth Range:	0.00 to 20,000.00ft		Scan Metho		Closest App				
Results Limited by:	Maximum center-center distance of 10,	000.00ft	Error Surfac	:e:	Elliptical Co	nic			
Warning Levels Evalua	ted at: 2.00 Sigma								
Survey Tool Program	Date 4/4/2008								
From	То		은 (오이지 이 가지?) 						
그는 것이 많은 것을 많이 많이 같은 것이 없는 것이 없다.	(ft) Survey (Wellbore)		Tool Name		Description	۱			
(ff)	그는 물건에 다 같이 있는 것이 같은 것이라. 같은 것이 같이 많이 많이 많이 했다.	아이는 사람이 가지가 물을 물을 만들었다. 것							
(ft) 0.00	7,858.79 Design #1 (PT PT 11-26-12-	16) 	MWD	1 W S .	MWD - Star	ndard			
		16) 	MWD	a na sana ang sana a Ing sana ang	MWD - Sta		terational de la companya de la comp	en ander ander ander en der einer einer Er einer e	
0.00		16)	MWD Offset	Dista		ndard			
0.00				Dista		ndard Separation		Warning	
0.00		Reference	Offset	e de la servició de l	nce			Warning	
0.00	7,858.79 Design #1 (PT PT 11-26-12-	Reference Measured	Offset Measured	Between	nce Between	Separation		Warning	
0,00 Summary Site Name	7,858.79 Design #1 (PT PT 11-26-12-	Reference Measured Depth	Offset Measured Depth	Between Centres	nce Between Ellipses	Separation		Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T125 I	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design 216E	Reference Measured Depth	Offset Measured Depth	Between Centres	nce Between Ellipses	Separation		Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T125 F PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design 216E UF #14-26D-12-16 - PT PT UF 14-26D-	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Between Centres (ft)	nce Between Ellipses	Separation	ES	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S F PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design 216E	Reference Measured Depth (ft) 0.00	Offset Measured Depth (ft) 0.00	Between Centres (ft) 62.69	nce Between Ellipses (ft)	Separation Factor 300.506 32.206	SF	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S I PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D-	Reference Measured Depth (ft) 0.00 100.00	Offset Measured Depth (ft) 0.00 99.84	Between Centres (ft) 62.69 62.82	nce Between Ellipses (ft) 62.61 687.05 78.66	Separation Factor 300.506 32.206 91.898	SF CC, ES	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S I PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D-	Reference Measured Depth (ft) 0.00 100.00 3,900.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10	Between Centres (ft) 62.69 62.82 709.06	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13	Separation Factor 300.506 32.206 91.898 41.312	SF CC, ES SF	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S F PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #3-35D-12-16 - PT PT UF #3-35D-1	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00	Between Centres (ft) 62.69 62.82 709.06 79.52	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81	Separation Factor 300.506 32.206 91.898 41.312 18.111	SF CC, ES SF CC	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S F PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design 316E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541	SF CC, ES SF CC ES	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S I PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design 316E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF 10-26D-12-16 - PT PT 10-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71 250.00 300.13 700.30	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28	nce Bétween Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566	SF CC, ES SF CC ES SF	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T125 F PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00 300.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71 250.00 300.13	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28 16.66	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32 15.79	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566 19.251	SF CC, ES SF CC ES SF CC	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S F PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design 216E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00 300.00 700.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71 250.00 300.13 700.30	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28	nce Bétween Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566 19.251 15.333	SF CC, ES SF CC ES SF CC ES	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S I PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 12-26D-12-16 - PT PT 10-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00 300.00 700.00 250.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71 250.00 300.13 700.30 250.00	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28 16.66	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32 15.79 15.62 20.81	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566 19.251 15.333 9.512	SF CC, ES SF CC ES SF CC ES SF	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S I PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- libore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00 300.00 700.00 250.00 300.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71 250.00 300.13 700.30 250.00 299.72	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28 16.66 16.71 23.25 31.34	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32 15.79 15.62 20.81 30.48	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566 19.251 15.333 9.512 36.222	SF CC, ES SF CC ES SF CC ES SF CC, ES	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S F PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00 300.00 700.00 250.00 300.00 600.00	Offset Measured Depth (ft) 0.00 99.84 3.816.10 250.00 1,082.71 250.00 300.13 700.30 250.00 299.72 598.15	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28 16.66 16.71 23.25 31.34 91.80	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32 15.79 15.62 20.81 30.48 87.09	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566 19.251 15.333 9.512 36.222 19.466	SF CC, ES SF CC ES SF CC ES SF CC, ES SF	Warning	
0.00 Summary Site Name Offset Well - Wel SECTION 26 T12S I PETERS POINT PETERS POINT	7,858.79 Design #1 (PT PT 11-26-12- lbore - Design R16E UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF 14-26D- UF #14-26D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT UF #3-35D-1 UF #3-35D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 10-26D-12-16 - PT PT 10-26-12-16 UF 12-26D-12-16 - PT PT 10-26-12-16 UF 12-26D-12-16 - PT PT 12-26-12-16 UF 13-26D-12-16 - PT PT 13-26-12-16	Reference Measured Depth (ft) 0.00 100.00 3,900.00 250.00 1,100.00 250.00 300.00 700.00 250.00 300.00 600.00 250.00	Offset Measured Depth (ft) 0.00 99.84 3,816.10 250.00 1,082.71 250.00 300.13 700.30 250.00 299.72 598.15 250.00	Between Centres (ft) 62.69 62.82 709.06 79.52 194.85 15.67 15.84 28.28 16.66 16.71 23.25 31.34	nce Between Ellipses (ft) 62.61 687.05 78.66 190.13 14.81 14.75 25.32 15.79 15.62 20.81 30.48	Separation Factor 300.506 32.206 91.898 41.312 18.111 14.541 9.566 19.251 15.333 9.512 36.222 19.466	SF CC, ES SF CC ES SF CC, ES SF CC, ES SF CC, ES	Warning	

urvey Prog Refer	2.0.36	HWD Offse	t	Semi Major	Axis				Dista	ince			Offset Well Error:	0.00 ft
leasured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbord +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	165.57	-60.72	15.62	62.69					
100.00	100.00	99.84	99.84	0.10	0.11	165.63	-60.86	15,59	62.82	62.61	0.21	300.506 ES		
200.00	200.00	199.67	199.67	0.32	0.23	165.83	-61.29	15.47	63.22	62.67	0.55	115.499		
250.00	250.00	249.59	249.58	0.43	0,29	165.98	-61.62	15.39	63.51	62.79	0.72	88.647		
300.00	300.00	299.49	299.49	0.55	0.35	150.27	-62.01	15.29	64.25	63.37	0.88	72.774		
400.00		399,21	399.20	0.78	0.46	152.09	-63.02	15.03	68.24	67.01	1.22	55.762		
500.00	499.68	498.67	498.65	1.01	0.58	154.95	-64.31	14.69	75.70	74.13	1.57	48,233		
600.00	599.30	597.91	597.88	1.26	0.69	157.86	-65.89	14.28	85.21	83.30	1.91	44.531		
700.00		697.09	697.04	1.52	0.81	160.24	-67.74	13.80	95.17	92.92	2.26	42.143		
800.00	798.54	796.20	796.13	1.78	0.92	162.21	-69.88	13.24	105.55	102.95	2.60	40.545		
900.00	898.16	895.26	895.15	2.05	1.04	163.86	-72.31	12.62	116.32	113.37	2.95	39.453		
1,000.00	997.78	994.24	994.09	2.31	1.15	165.26	-75.01	11.91	127.45	124.16	3.29			
1,062.46	1,060.00	1,056.03	1,055.85	2.48	1.22	166.04	-76.84	11.44	134.59	131.08	3.51	38.361		

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

4/4/2008 10:10:09AM



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## **BILL BARRETT CORPORATION**

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well F
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minim
Well Error:	0.00ft	Output errors are at	2.00 s
Reference Wellbore	PT PT 11-26-12-16	Database:	Comp
Reference Design:	Design #1	Offset TVD Reference:	Offset
	<ul> <li>Consistent of the second se second second seco</li></ul>	<ul> <li>Constraints and the state of th</li></ul>	

Well PETERS POINT UF 11-26D-12-16 WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev) True Minimum Curvature 2.00 sigma Compass Offset Datum

Depth (rf)         Depth (rf)         Depth (rf)         D           1,100.00         1,097.37         1,200.00         1,295.14           1,300.00         1,295.14         1,400.00         1,392.88           1,500.00         1,489.61         1,500.00         1,489.61           1,600.00         1,585.13         1,700.00         1,679.28           1,800.00         1,771.87         1,850.28         1,817.77           1,900.00         1,862.95         2,000.00         2,943.80           2,100.00         2,044.65         2,200.00         2,317.22           2,500.00         2,317.22         2,500.00         2,498.92           2,700.00         2,680.63         2,900.00         2,862.34           3,100.00         2,953.19         3,200.00         3,144.05           3,600.00         3,407.47         3,500.00         3,440.05           3,600.00         3,407.47         3,600.00         3,498.32           3,600.00         3,407.47         3,900.00         3,680.03           4,000.00         3,589.17         3,900.00         3,680.03           4,000.00         3,589.17         3,900.00         3,680.34           4,000.00         3,861.74         4,20	ertical	Offset	ana ang sagang sing sing	Semi Major A			승규는 것이 같은 것을 가장으라 가지 않는다.	9999999999999999999	Dista	nce		승규는 것은 것을 가장하는 것이다.	Contraction of the Contraction of the	12.00.00.000
(f)         (f)           1,100.00         1,097.37           1,200.00         1,196.58           1,300.00         1,295.14           1,400.00         1,392.88           1,500.00         1,489.61           1,600.00         1,679.28           1,800.00         1,771.87           1,850.28         1,817.77           1,900.00         1,652.95           2,000.00         1,953.80           2,100.00         2,044.65           2,200.00         2,135.51           2,300.00         2,498.07           2,600.00         2,498.07           2,600.00         2,498.92           2,700.00         2,689.78           2,800.00         2,689.78           2,800.00         2,689.78           2,800.00         2,689.78           2,800.00         2,689.78           2,800.00         3,683.19           3,000.00         3,771.49           3,000.00         3,589.17           3,000.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17     <	Depth	Measured	Vertical		Offset	Highside	Offset Wellbore	いったがなんでいている。	Between	Between	Minimum	Separation	Warning	
1,200.00 $1,196.58$ $1,300.00$ $1,295.14$ $1,400.00$ $1,295.14$ $1,500.00$ $1,489.61$ $1,600.00$ $1,585.13$ $1,700.00$ $1,585.13$ $1,700.00$ $1,679.28$ $1,800.00$ $1,771.87$ $1,800.00$ $1,771.87$ $1,800.00$ $1,862.95$ $2,000.00$ $2,948.65$ $2,200.00$ $2,135.51$ $2,300.00$ $2,248.07$ $2,600.00$ $2,498.92$ $2,700.00$ $2,680.78$ $2,800.00$ $2,680.78$ $2,800.00$ $2,680.78$ $2,800.00$ $2,680.78$ $2,800.00$ $2,680.78$ $2,800.00$ $2,680.78$ $2,900.00$ $2,680.53$ $2,900.00$ $2,680.53$ $2,900.00$ $2,680.53$ $2,900.00$ $2,862.34$ $3,100.00$ $3,244.05$ $3,300.00$ $3,148.01$ $3,400.03$ $3,225.76$ $3,600.00$ $3,680.174$ $3,600.00$ <td< th=""><th></th><th>Depth (ft)</th><th>Depth (ft)</th><th>(ft)</th><th>(ft)</th><th>Toolface (°)</th><th>+N/-S (ft)</th><th>+E/-W (ft)</th><th>Centres (ft)</th><th>Ellipses (ft)</th><th>Separation (ft)</th><th>Factor</th><th></th><th></th></td<>		Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
1,200.00 $1,196.58$ $1,300.00$ $1,295.14$ $1,400.00$ $1,295.14$ $1,500.00$ $1,489.61$ $1,500.00$ $1,679.281$ $1,800.00$ $1,579.281$ $1,800.00$ $1,679.281$ $1,800.00$ $1,771.87$ $1,800.20$ $1,817.77$ $1,900.00$ $1,862.95$ $2,000.00$ $2,948.65$ $2,100.00$ $2,044.65$ $2,200.00$ $2,317.22$ $2,500.00$ $2,498.07$ $2,600.00$ $2,498.92$ $2,700.00$ $2,862.34$ $3,100.00$ $2,862.34$ $3,100.00$ $2,862.34$ $3,100.00$ $2,862.34$ $3,100.00$ $3,244.05$ $3,300.00$ $3,144.05$ $3,300.00$ $3,144.05$ $3,300.00$ $3,493.23$ $3,600.00$ $3,681.74$ $3,900.00$ $3,681.74$ $4,000.00$ $3,770.88$ $4,100.00$ $3,861.74$	1,097.37	1,093.12	1,092.92	2.58	1.27	166.47	-77.99	11.14	139.23	135.59	3.64	38.214	under der der der der	
1,400.00       1,392.88         1,500.00       1,489.61         1,600.00       1,585.13         1,700.00       1,679.28         1,800.00       1,771.87         1,800.00       1,771.87         1,800.00       1,879.28         1,800.00       1,871.87         1,800.00       1,862.95         2,000.00       1,853.80         2,100.00       2,044.65         2,200.00       2,135.51         2,300.00       2,226.36         2,400.00       2,317.22         2,500.00       2,498.92         2,700.00       2,589.78         2,800.00       2,680.63         2,900.00       2,771.49         3,000.00       3,2462.34         3,100.00       3,246.13         3,200.00       3,440.05         3,300.00       3,134.90         3,400.00       3,47.47         3,700.00       3,488.32         3,800.00       3,407.47         3,700.00       3,680.03         4,000.00       3,770.88         4,100.00       3,861.74         4,200.00       3,852.59         4,300.00       4,043.44         4,600		1,194.45	1,194.22	2.88	1.47	167.58	-80.43	10.83	153.83	149.75	4.08	37.712		
1,500.00         1,489,61           1,600.00         1,585,13           1,700.00         1,585,13           1,700.00         1,579,28           1,800.00         1,771.87           1,850,28         1,817.77           1,900.00         1,953.80           2,100.00         2,044.65           2,200.00         2,135.51           2,300.00         2,317.22           2,500.00         2,498.92           2,700.00         2,689.78           2,800.00         2,689.78           2,800.00         2,682.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,149.00           3,400.00         3,225.76           3,600.00         3,407.47           3,700.00         3,489.32           3,800.00         3,489.32           3,800.00         3,589.17           3,900.00         3,589.17           3,900.00         3,680.03           4,000.00         3,770.88           4,100.00         3,861.74           4,200.00         3,952.59           4,300.00         4,437.71           4,900.00         4,251.5 </td <td>1,295.14</td> <td>1,298.95</td> <td>1,298.71</td> <td>3,22</td> <td>1.65</td> <td>168.38</td> <td>-80.22</td> <td>12.02</td> <td>170.02</td> <td>165.79</td> <td>4.23</td> <td>40.196</td> <td></td> <td></td>	1,295.14	1,298.95	1,298.71	3,22	1.65	168.38	-80.22	12.02	170.02	165.79	4.23	40.196		
1,600.00         1,585.13           1,700.00         1,679.28           1,800.00         1,771.87           1,850.28         1,817.77           1,900.00         1,853.80           2,000.00         1,953.80           2,100.00         2,044.65           2,200.00         2,135.51           2,300.00         2,448.65           2,400.00         2,317.22           2,600.00         2,498.92           2,700.00         2,689.63           2,900.00         2,680.63           2,900.00         2,680.63           2,900.00         2,714.9           3,000.00         3,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,149.03           3,400.00         3,225.76           3,600.00         3,483.23           3,600.00         3,483.23           3,800.00         3,589.17           3,900.00         3,589.17           3,900.00         3,681.74           4,200.00         3,861.74           4,200.00         3,861.74           4,400.00         4,143.30           4,500.00         4,265.15 </td <td>1,392.88</td> <td>1,403.50</td> <td>1,403.12</td> <td>3.62</td> <td>1.83</td> <td>168.62</td> <td>-76.62</td> <td>15.75</td> <td>187.06</td> <td>182.53</td> <td>4.54</td> <td>41.220</td> <td></td> <td></td>	1,392.88	1,403.50	1,403.12	3.62	1.83	168.62	-76.62	15.75	187.06	182.53	4.54	41.220		
1,700.00         1,679.28           1,800.00         1,771.87           1,800.00         1,771.87           1,850.28         1,817.77           1,900.00         1,862.95           2,000.00         1,953.80           2,100.00         2,044.65           2,200.00         2,135.51           2,300.00         2,262.36           2,400.00         2,408.07           2,600.00         2,498.92           2,700.00         2,889.78           2,800.00         2,880.53           2,900.00         2,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,134.90           3,400.00         3,257.76           3,600.00         3,498.32           3,600.00         3,680.03           4,000.00         3,589.17           3,900.00         3,680.03           4,000.00         3,589.17           3,900.00         3,680.03           4,000.00         3,770.88           4,100.00         3,861.74           4,200.00         3,680.174           4,200.00         4,952.59           4,300.00         4,645.81	1,489.61	1,509.21	1,508.33	4.07	2.04	168.17	-69.35	22.95	204.67	199.83	4.83	42.340		
1,800.00         1,771.87           1,850.28         1,817.77           1,900.00         1,962.95           2,000.00         1,953.80           2,100.00         2,044.65           2,200.00         2,135.51           2,300.00         2,226.36           2,400.00         2,317.22           2,500.00         2,498.92           2,700.00         2,589.78           2,800.00         2,680.63           2,900.00         2,589.78           2,800.00         2,680.63           2,900.00         2,682.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,149.03           3,400.00         3,225.76           3,600.00         3,449.03           3,400.00         3,255.76           3,600.00         3,489.32           3,600.00         3,489.32           3,600.00         3,680.03           4,000.00         3,770.88           4,100.00         3,861.74           4,200.00         3,680.03           4,000.00         3,770.88           4,400.00         4,381.74           4,200.00         4,585.57<	1,585.13	1,613.92	1,611.96	4.58	2.26	167.16	-59.05	33.67	223.31	218.19	5.12	43.593		
1,850.28         1,817.77           1,900.00         1,862.95           2,000.00         1,953.80           2,100.00         2,135.51           2,300.00         2,226.36           2,400.00         2,317.22           2,500.00         2,498.07           2,600.00         2,498.07           2,600.00         2,498.07           2,600.00         2,498.92           2,700.00         2,689.78           2,800.00         2,689.78           2,800.00         2,680.63           2,900.00         2,771.49           3,000.00         3,682.34           3,100.00         2,953.19           3,200.00         3,044.05           3,600.00         3,149.03           3,400.00         3,225.76           3,600.00         3,489.32           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,582.59<	1,679.28	1,719.42	1,715.58	5.16	2.55	165.66	-45.60	48,22	243.08	237.71	5.37	45.297		
1.900.00         1,862.95           2,000.00         1,953.80           2,100.00         2,953.80           2,100.00         2,135.51           2,200.00         2,135.51           2,300.00         2,265.51           2,400.00         2,317.22           2,500.00         2,408.07           2,600.00         2,498.92           2,700.00         2,689.78           2,800.00         2,771.49           3,000.00         2,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,134.90           3,400.00         3,257.76           3,500.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17<	1,771.87	1,827.58	1,820.76	5.81	2,92	163.87	-28,23	66.48	263.72	258.23	5.49	48.070		
2,000.00         1,953.80           2,100.00         2,044.65           2,200.00         2,135.51           2,300.00         2,226.36           2,400.00         2,317.22           2,500.00         2,408.07           2,500.00         2,498.92           2,700.00         2,589.78           2,800.00         2,689.78           2,800.00         2,689.78           2,900.00         2,771.49           3,000.00         2,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,134.90           3,400.00         3,225.76           3,500.00         3,134.90           3,400.00         3,225.76           3,600.00         3,498.32           3,800.00         3,498.32           3,800.00         3,681.74           3,900.00         3,681.74           4,200.00         3,282.59           4,300.00         4,282.51           4,600.00         4,386.01           4,400.00         4,282.51           4,600.00         4,282.51           4,600.00         4,282.51           4,600.00         4,284.30<	1,817.77	1,882.81	1,873.94	6.17	3.14	162.95	-17.52	76.78	273.99	268,49	5.50	49.834		
2,100.00 2,044.65 2,200.00 2,135.51 2,300.00 2,226.36 2,400.00 2,2408.07 2,500.00 2,408.07 2,500.00 2,498.92 2,700.00 2,589.78 2,800.00 2,680.63 2,900.00 2,771.49 3,000.00 2,862.34 3,100.00 2,953.19 3,200.00 3,134.90 3,300.00 3,134.90 3,300.00 3,134.90 3,300.00 3,225.76 3,500.00 3,407.47 3,700.00 3,498.32 3,800.00 3,407.47 3,700.00 3,489.32 3,800.00 3,589.17 3,900.00 3,589.17 3,900.00 3,589.17 3,900.00 3,680.03 4,000.00 3,770.88 4,100.00 3,861.74 4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,225.15 4,600.00 4,406.86 4,800.00 4,497.71 4,900.00 4,588.57 4,998.96 4,678.48 5,000.00 4,679.42 5,100.00 4,679.45 5,100.00 4,679.45 5,100.00 4,		1,936.24	1,925.05	6.53	3.38	162.08	-6.15	87.46	283.77	278.19	5,58	50.845		
2,200.00         2,135.51           2,300.00         2,226.36           2,400.00         2,317.22           2,500.00         2,408.07           2,600.00         2,408.07           2,600.00         2,408.07           2,600.00         2,489.92           2,700.00         2,589.78           2,800.00         2,680.63           2,900.00         2,771.49           3,000.00         2,862.34           3,100.00         2,862.34           3,100.00         2,862.34           3,400.00         3,244.05           3,300.00         3,134.90           3,400.00         3,257.6           3,600.00         3,498.32           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,589.17           3,600.00         3,680.03           4,000.00         3,589.17           3,900.00         3,680.03           4,000.00         3,589.17           3,900.00         3,680.03           4,000.00         3,589.17           4,900.00         3,681.74           4,000.00         3,952.59           4,300.00         4,680.00 </td <td>1,953.80</td> <td>2,040.92</td> <td>2,024.32</td> <td>7.27</td> <td>3.90</td> <td>160.22</td> <td>18.28</td> <td>109.92</td> <td>301.52</td> <td>295.79</td> <td>5.73</td> <td>52.625</td> <td></td> <td></td>	1,953.80	2,040.92	2,024.32	7.27	3.90	160.22	18.28	109.92	301.52	295.79	5.73	52.625		
2,300.00         2,226.36           2,400.00         2,317.22           2,500.00         2,408.07           2,500.00         2,498.92           2,700.00         2,589.78           2,800.00         2,689.78           2,800.00         2,689.78           2,800.00         2,682.34           3,000.00         2,682.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,134.90           3,400.00         3,225.76           3,500.00         3,498.32           3,600.00         3,498.32           3,800.00         3,498.32           3,800.00         3,589.17           3,900.00         3,589.17           3,900.00         3,589.17           3,900.00         3,680.03           4,000.00         3,770.88           4,100.00         3,861.74           4,200.00         4,282.59           4,300.00         4,282.515           4,600.00         4,134.30           4,500.00         4,251.51           4,600.00         4,282.51           4,600.00         4,497.71           4,900.00         4,588.57	2,044.65	2,145.96	2,123.17	8.02	4.50	158.35	44.92	133,43	317.52	311.63	5.89	53.952		
2,400,00         2,317.22           2,500,00         2,408,07           2,500,00         2,498,92           2,700,00         2,589,78           2,800,00         2,680,63           2,900,00         2,771,49           3,000,00         2,862,34           3,100,00         2,953,19           3,200,00         3,144,05           3,300,00         3,134,90           3,400,00         3,257,76           3,500,00         3,407,47           3,700,00         3,489,32           3,800,00         3,589,17           3,900,00         3,589,17           3,900,00         3,680,03           4,000,00         3,770,88           4,100,00         3,861,74           4,200,00         3,952,59           4,300,00         4,043,44           4,400,00         4,134,30           4,500,00         4,225,15           4,600,00         4,366,01           4,700,00         4,588,57           4,800,00         4,678,48           5,000,00         4,678,48           5,000,00         4,678,48           5,000,00         4,678,48           5,000,00         4,864,58<	2,135.51	2,247.65	2,218.34	8.78	5.09	156.65	72.35	156.45	332.16	326.23	5.93	56.055		
2,500.00         2,408.07           2,600.00         2,498.92           2,700.00         2,589.78           2,800.00         2,589.78           2,800.00         2,680.63           2,900.00         2,771.49           3,000.00         2,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,14.90           3,400.00         3,225.76           3,600.00         3,461.14           3,600.00         3,461.14           3,600.00         3,489.32           3,600.00         3,680.03           4,000.00         3,680.174           3,900.00         3,680.13           4,000.00         3,861.74           4,200.00         3,952.59           4,300.00         4,043.44           4,400.00         4,134.30           4,500.00         4,225.15           4,600.00         4,471.14           4,000.00         4,486.86           4,800.00         4,488.57           4,900.00         4,678.48           5,000.00         4,678.48           5,000.00         4,678.48           5,000.00         4,678.458	2,226.36	2,344.78	2,309.36	9,55	5,62	155.27	98.74	177.73	346.78	340.73	6.05	57.326		
2,600.00         2,498.92           2,700.00         2,589.78           2,800.00         2,880.63           2,900.00         2,862.34           3,100.00         2,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,134.90           3,400.00         3,225.76           3,500.00         3,316.61           3,600.00         3,407.47           3,700.00         3,689.17           3,600.00         3,689.17           3,600.00         3,680.13           4,000.00         3,589.17           3,900.00         3,680.13           4,000.00         3,589.17           3,900.00         3,680.13           4,000.00         3,589.17           3,900.00         3,680.13           4,000.00         3,582.59           4,300.00         4,043.44           4,400.00         4,143.00           4,500.00         4,225.15           4,600.00         4,477.11           4,900.00         4,678.48           5,000.00         4,678.48           5,000.00         4,678.48           5,000.00         4,678.458	2,317.22	2,455.73	2,413.45	10.32	6,24	154.27	130.65	198.99	359.59	355.40	4.19	85.800		
2,700.00 2,589.78 2,800.00 2,680.63 2,900.00 2,771.49 3,000.00 2,862.34 3,100.00 2,953.19 3,200.00 3,044.05 3,300.00 3,134.90 3,400.00 3,225.76 3,500.00 3,41.90 3,400.00 3,225.76 3,500.00 3,407.47 3,700.00 3,498.32 3,800.00 3,589.17 3,900.00 3,589.17 3,900.00 3,680.03 4,000.00 3,770.88 4,100.00 3,861.74 4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,225.15 4,600.00 4,467.81 4,600.00 4,468.65 4,800.00 4,467.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,959.45 5,400.00 5,055.60	2,408.07	2,541.00	2,493.63	11.09	6.73	153.47	154.08	216.08	373.84	367.01	6.83	54.726		
2,800,00 2,680,63 2,900,00 2,771,49 3,000,00 2,682,34 3,100,00 3,044,05 3,300,00 3,134,90 3,200,00 3,134,90 3,400,00 3,225,76 3,500,00 3,316,61 3,600,00 3,407,47 3,700,00 3,489,32 3,800,00 3,589,17 3,900,00 3,680,03 4,000,00 3,770,88 4,100,00 3,861,74 4,200,00 3,952,59 4,300,00 4,043,44 4,400,00 4,134,30 4,500,00 4,225,15 4,600,00 4,316,01 4,700,00 4,408,86 4,800,00 4,497,71 4,900,00 4,588,57 4,998,96 4,678,48 5,000,00 4,679,42 5,100,00 4,679,42 5,100,00 4,679,42 5,100,00 4,959,45 5,300,00 5,055,60	2,498.92	2,635.80	2,582.71	11.87	7.30	152.31	178.29	237.63	390.61	383.38	7.23	54.038		
2,900.00 2,771.49 3,000.00 2,862.34 3,100.00 2,953.19 3,200.00 3,044.05 3,300.00 3,124.90 3,400.00 3,225.76 3,500.00 3,316.61 3,600.00 3,407.47 3,700.00 3,498.32 3,800.00 3,589.17 3,900.00 3,589.17 3,900.00 3,589.17 4,000.00 3,589.17 4,200.00 3,861.74 4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,225.15 4,500.00 4,215.15 4,500.00 4,497.71 4,900.00 4,486.86 4,800.00 4,477.71 4,900.00 4,588.57 4,998.96 4,678.48 5,000.00 4,679.42 5,100.00 4,864.58 5,000.00 4,864.58 5,300.00 4,959.45 5,400.00 5,055.60	2,589.78	2,730.16	2,671.34	12.65	7.88	151.22	202.30	259.36	407.70	399.79	7.91	51.573		
3,000.00         2,862.34           3,100.00         2,953.19           3,200.00         3,044.05           3,300.00         3,134.90           3,400.00         3,225.76           3,500.00         3,134.90           3,400.00         3,225.76           3,500.00         3,316.61           3,600.00         3,407.47           3,700.00         3,498.32           3,800.00         3,589.17           3,000.00         3,680.03           4,000.00         3,770.88           4,100.00         3,952.59           4,300.00         4,043.44           4,400.00         4,134.30           4,500.00         4,316.01           4,700.00         4,316.11           4,700.00         4,368.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,864.58           5,300.00         5,055.60	2,680.63	2,824.00	2,759.76	13.44	8.42	150.26	225.23	280.89	425.91	417.27	8.65	49,259		
3,100.00 2,953.19 3,200.00 3,044.05 3,300.00 3,134.90 3,400.00 3,125.76 3,500.00 3,316.61 3,600.00 3,407.47 3,700.00 3,498.32 3,800.00 3,589.17 3,900.00 3,589.17 3,900.00 3,589.17 4,000.00 3,770.88 4,100.00 3,861.74 4,200.00 3,861.74 4,200.00 4,134.30 4,500.00 4,588.57 4,500.00 4,588.57 4,500.500.500.500.500.500.500.500.500.500	2,771.49	2,917.89	2,848.52	14.22	8.95	149.44	247.21	302.16	445.19	435.87	9.32	47.790		
3,200,00 3,044,05 3,300,00 3,134,90 3,400,00 3,225,76 3,500,00 3,316,61 3,600,00 3,498,32 3,800,00 3,589,17 3,700,00 3,680,03 4,000,00 3,589,17 4,900,00 3,680,03 4,000,00 3,770,88 4,100,00 3,861,74 4,200,00 3,952,59 4,300,00 4,043,44 4,400,00 4,134,30 4,500,00 4,225,15 4,600,00 4,497,71 4,900,00 4,588,57 4,998,96 4,678,48 5,000,00 4,679,42 5,100,00 4,864,58 5,300,00 4,959,45 5,400,00 5,055,60	2,862.34	3,010.20	2,936.22	15.01	9.47	148.82	267.71	322.39	465.57	455.63	9,93	46.865		
3,200,00 3,044,05 3,300,00 3,134,90 3,400,00 3,225,76 3,500,00 3,316,61 3,600,00 3,407,47 3,700,00 3,498,32 3,800,00 3,589,17 3,900,00 3,589,17 3,900,00 3,589,17 4,000,00 3,770,88 4,100,00 3,861,74 4,200,00 3,952,59 4,300,00 4,043,44 4,400,00 4,134,30 4,500,00 4,225,15 4,500,00 4,225,15 4,500,00 4,215,15 4,500,00 4,497,71 4,900,00 4,588,57 4,998,96 4,678,48 5,000,00 4,679,42 5,100,00 4,864,58 5,000,00 4,864,58 5,300,00 4,959,45 5,400,00 5,055,60	2,953.19	3,101.66	3,023.71	15.80	9.96	148.45	286.60	341.20	487.20	476.86	10.34	47.123		
3,300.00         3,134.90           3,400.00         3,225.76           3,500.00         3,316.61           3,600.00         3,407.47           3,700.00         3,498.32           3,800.00         3,689.17           3,900.00         3,680.03           4,000.00         3,770.88           4,100.00         3,952.59           4,300.00         4,043.44           4,400.00         4,124.30           4,500.00         4,125.15           4,600.00         4,124.30           4,700.00         4,486.86           4,800.00         4,487.71           4,900.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60	3,044.05	3,194.31	3,112.97	16.59	10.43	148.34	304.27	358.61	509,97	499.51	10.45	48,788		
3,500.00         3,316.61           3,600.00         3,407.47           3,700.00         3,498.32           3,800.00         3,589.17           3,900.00         3,680.03           4,000.00         3,770.88           4,100.00         3,861.74           4,200.00         3,952.59           4,300.00         4,043.44           4,400.00         4,134.30           4,500.00         4,225.15           4,600.00         4,316.01           4,700.00         4,406.86           4,800.00         4,497.71           4,900.00         4,588.57           4,998.96         4,678.48           5,000.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60		3,283.14	3,199.10	17.38	10.84	148.45	319.84	373,83	533.86	523,00	10.86	49.149		
3,600.00         3,407.47           3,700.00         3,498.32           3,800.00         3,589.17           3,900.00         3,589.17           3,900.00         3,680.03           4,000.00         3,770.88           4,100.00         3,861.74           4,200.00         3,952.59           4,300.00         4,043.44           4,400.00         4,143.00           4,500.00         4,225.15           4,600.00         4,366.01           4,700.00         4,368.61           4,800.00         4,477.71           4,900.00         4,678.48           5,000.00         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60	3,225.76	3,366.55	3,280.49	18.17	11.21	148.72	332.50	386.91	559.67	547.62	12.05	46.453		
3,700.00         3,498.32           3,800.00         3,589.17           3,900.00         3,589.17           3,900.00         3,589.17           3,900.00         3,589.17           3,000.00         3,770.88           4,100.00         3,770.88           4,100.00         3,981.74           4,200.00         3,982.59           4,300.00         4,043.44           4,400.00         4,134.30           4,500.00         4,134.30           4,600.00         4,316.01           4,700.00         4,316.01           4,700.00         4,406.86           4,800.00         4,406.86           4,800.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60	3,316.61	3,451.62	3,364.02	18.96	11.54	149.15	343.00	399.09	587.85	574.90	12.95	45.389		
3,700.00         3,498.32           3,800.00         3,589.17           3,900.00         3,589.17           3,900.00         3,589.17           3,900.00         3,589.17           3,000.00         3,770.88           4,100.00         3,770.88           4,100.00         3,981.74           4,200.00         3,982.59           4,300.00         4,043.44           4,400.00         4,134.30           4,500.00         4,134.30           4,600.00         4,316.01           4,700.00         4,316.01           4,700.00         4,406.86           4,800.00         4,406.86           4,800.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60	3 407 47	3,542.92	3,454.06	19.75	11.87	149.76	352.79	410.59	617.24	604.72	12.52	49,282		
3,800.00 3,589.17 3,900.00 3,680.03 4,000.00 3,770.88 4,100.00 3,861.74 4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,225.15 4,600.00 4,316.01 4,700.00 4,368.61 4,700.00 4,4678.48 5,000.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,679.42 5,100.00 4,959.45 5,400.00 5,055.60			3,545.02	20.55	12.17	150.47	362.04	420.73	647.05	635.31	11.73	55.142		
3,900.00 3,680.03 4,000.00 3,770.88 4,100.00 3,861.74 4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,251.15 4,500.00 4,215.15 4,500.00 4,497.71 4,900.00 4,497.71 4,900.00 4,678.48 5,000.00 4,678.48 5,000.00 4,678.42 5,100.00 4,679.42 5,100.00 4,864.58 5,300.00 4,959.45 5,400.00 5,055.60		3,724.29	3,633.61	21.34	12.45	151.21	370.00	429.49	677.77	666.78	10.99	61.685		
4,100.00       3,861.74         4,200.00       3,952.59         4,300.00       4,043.44         4,400.00       4,134.30         4,500.00       4,134.30         4,500.00       4,125.15         4,600.00       4,316.01         4,700.00       4,406.86         4,800.00       4,406.86         4,800.00       4,497.71         4,998.96       4,678.48         5,000.00       4,679.42         5,100.00       4,771.18         5,200.00       4,864.58         5,300.00       4,959.45         5,400.00       5,055.60		3,816,10	3,724.83	22.13	12.71	152.06	377.44	436.82	709.06	687.05	22.02	32.206 5	F	
4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,225.15 4,600.00 4,225.15 4,600.00 4,495.86 4,800.00 4,497.71 4,900.00 4,588.57 4,998.96 4,678.48 5,000.00 4,679.42 5,100.00 4,679.42 5,100.00 4,864.58 5,300.00 4,959.45 5,400.00 5,055.60			3,813.03	22.93	12.94	152.91	383.90	442.85	741.07	718.58	22.49	32.947		
4,200.00 3,952.59 4,300.00 4,043.44 4,400.00 4,134.30 4,500.00 4,225.15 4,600.00 4,225.15 4,600.00 4,495.86 4,800.00 4,497.71 4,900.00 4,588.57 4,998.96 4,678.48 5,000.00 4,679.42 5,100.00 4,679.42 5,100.00 4,864.58 5,300.00 4,959.45 5,400.00 5,055.60	3 961 74	3,991.72	3,899.64	23.72	13.15	153.70	389.44	448.49	774.04	750.81	23.23	33.323		
4,300.00         4,043.44           4,400.00         4,134.30           4,500.00         4,225.15           4,600.00         4,316.01           4,700.00         4,406.86           4,800.00         4,406.86           4,800.00         4,405.86           4,800.00         4,497.71           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60			3,988.63	24.52	13,36	154.51	394.29	453.81	807.96	784.22	23.74	34.035		
4,400.00         4,134.30           4,500.00         4,225.15           4,600.00         4,225.15           4,600.00         4,316.01           4,700.00         4,406.86           4,800.00         4,497.71           4,900.00         4,678.48           5,000.00         4,679.42           5,100.00         4,679.42           5,300.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60		4,162.11	4,069.57	25.31	13.53	155.25	397.77	457.76	842.95	818.69	24.26	34.753		
4,500.00       4,225.15         4,600.00       4,316.01         4,700.00       4,406.86         4,800.00       4,497.71         4,900.00       4,588.57         4,998.96       4,678.48         5,000.00       4,679.42         5,100.00       4,771.18         5,200.00       4,864.58         5,300.00       4,959.45         5,400.00       5,055.60			4,150.99	26.11	13.68	156.03	400.16	460,64	879.22	868.41	10.81	81.299		
4,700.00         4,406.86           4,800.00         4,497.71           4,900.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60			4,233.69	26.90	13.81	156.85	401.47	462.45	916.78	902.30	14.49	63.274		
4,700.00         4,406.86           4,800.00         4,497.71           4,900.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60					40.04		100.07	400.45	055.07	020.00	17.05			
4,800.00         4,497.71           4,900.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60			4,320.30	27.70	13.94	157.71	402.07	463.45	955.27	938.22		56.035		
4,900.00         4,588.57           4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60			4,409.67	28.50	14.06	158.55	402.46	464.18	994.17 1,033.46	973.43 1,005.57	20.74 27.89	47.944 37.049		
4,998.96         4,678.48           5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60			4,497.32 4,583.49	29.29 30.09	14.18 14.29	159.32 160.02	402.64 402.42	464.91 465.59	1,033.48	1,005.57		36.306		
5,000.00         4,679.42           5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60			4,583.49	30.09	14.29	160.62	402.42 401.94	465.59 466.17	1,073.32	1,043.76		36.305		
5,100.00         4,771.18           5,200.00         4,864.58           5,300.00         4,959.45           5,400.00         5,055.60														
5,200.004,864.585,300.004,959.455,400.005,055.60		-	4,671.70	30.89	14.41	160.70	401.93	466.17	1,113.60	1,083.67				
5,300.00 4,959.45 5,400.00 5,055.60			4,758.32		14.52	161.62	401.20	466.71	1,152.33	1,122.05				
5,400.00 5,055.60			4,847.37	32.03	14.63	162.40	400.10	467.18	1,187.67	1,157.04				
			4,937.56		14.74	163.06	398.64 396.84	467.44 467.47	1,219.53 1,247.77	1,188.59 1,216.55				
	5,055,60	5,121.92	5,029.20	32.97	14.85	163.62	396.84	401.41	1,241.11	1,210.00	31.23	35.500		
	5,152.87		5,120.89		14.96	164.08	394.73	467,36	1,272.36	1,240.89				
5,600.00 5,251.05			5,212.23		15.07	164.45	392.22	467.17	1,293.32					
5,700.00 5,349.96			5,301.99		15.17	164.74	389.25	466.83	1,310.71	1,278.88				
5,800.00 5,449.42			5,395.14		15.27	164.95	385.60	466.36	1,324.57					
5,900.00 5,549.23	5,549.23	5,581.40	5,488.40	34.33	15.36	165.11	381.60	465.60	1,334.62	1,302.61	32.01	41.699		
5,986.79 5,636.00	5 636 01	5,665.81	5,572.72	34.41	15.44	-178.72	377.64	464.64	1,340.30	1,308.28	32.02	41,863		

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# BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16	
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)	
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)	
Site Error:	0.00ft	North Reference:	True	
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature	
Well Error:	0.00ft	Output errors are at	2.00 sigma	
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass	;
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum	

STREET OF AN BOARD BOARD

Refer	2020 Back 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-MWD Offse	t	Semi Major	Axis				Dista	unce			Offset Well Error:	0.00 ft
leasured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbor	e Centre	Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth	and a second design of the second	deal.	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
(ft)	(ft)	(#)	(ft)	(fft)	(ft)	(?)	(ff)	(ft)	(ft)	(ff)	(11)	선생은 전화가	같은 1994 1979 Velation	
6,000.00	5,649.21	5,679.26	5,586.15	34.42	15.46	-178.72	377.01	464.47	1,340.92	1,308.87	32.05	41.838		
6,100.00	5,749.21	5,778.36	5,685.14	34.49	15.55	-178.67	372.38	463.16	1,345.62	1,313.30	32.32	41.639		
6,200.00	5,849.21	5,877.11	5,783.76	34.57	15.64	-178.61	367.66	461.68	1,350.44	1,317.85	32.58	41.446		
6,300.00	5,949.21	5,974.43	5,880.95	34.64	15.74	-178.55	362.91	460.26	1,355.36	1,322.50	32.85	41.256		
6,400.00	6,049.21	6,067.62	5,974.01	34.72	15.83	-178.49	358.06	458.67	1,360.60	1,327.48	33.12	41.081		
6,500.00	6,149.21	6,182.52	6,088.73	34.80	15.94	-178.40	352.10	456.48	1,365.88	1,332.47	33.41	40.882		
6,600.00	6,249.21	6,294.94	6,201.05	34.88	16.05	-178.32	347.76	454,34	1,369.78	1,336.09	33.69	40.658		
6,700.00	6,349.21	6,393.32	6,299.34	34.96	16.16	-178.24	344.32	452.34	1,373.34	1,339.38	33.96	40.437		
6,800.00	6,449.21	6,485.00	6,390.93	35.04	16.26	-178.15	340.78	450.03	1,377.28	1,343.05	34.23	40.237		
6,900.00	6,549.21	6,580.00	6,485.79	35.13	16.37	-178.03	336.58	447.09	1,381.80	1,347.30	34.50	40.057		
7,000.00	6,649.21	6,672.53	6,578.16	35.21	16.47	-177.91	332.11	443.91	1,386.75	1,351.99	34.76	39.899		
7,100.00	6,749.21	6,761.22	6,666.65	35.30	16.56	-177.78	327.34	440.57	1,392.26	1,357.25	35.01	39.766		
7,200.00	6,849.21	6,849.33	6,754.52	35.38	16.64	-177.63	321,90	436.84	1,398.61	1,363.35	35.26	39.663		
7,300.00	6,949.21	6,939.60	6,844.48	35.47	16.73	-177.48	315.63	432.89	1,405.74	1,370.23	35,52	39.580		
7,400.00	7,049.21	7,029.00	6,933,54	35.56	16.81	-177.34	308.79	429,10	1,413.58	1,377.80	35.77	39.513		
7,500.00	7,149.21	7,127.27	7,031.40	35.65	16.91	-177.19	300.84	425,13	1,421.86	1,385.80	36.05	39.437		
7,600.00	7,249.21	7,226.86	7,130.59	35.74	17.02	-177.05	292.78	421.10	1,430.15	1,393.80	36.34	39.353		
7,700.00	7,349.21	7,326.45	7,229.77	35.84	17.12	-176.90	284.72	417.08	1,438.45	1,401.81	36.63	39,268		
7,800.00	7,449.21	7,426.04	7,328.95	35.93	17.23	-176.76	276.66	413.05	1,446.75	1,409.83	36.92	39.182		
7,858.79	7,508.00	7,484.59	7,387.25	35.99	17.29	-176.68	271.93	410.68	1,451.64	1,414.55	37.10	39.131		

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# BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Refer	the state of the second	Offse		Semi Major			an har starter		Diste	A Block Cherry				
easured. Depth	Vertical Depth	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore	and the second	Between Centres	Between	Minimum	Separation Factor	Warning	
Jepun (ft)	Uepth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)			
0.00	0.00	0.00	0.00	0.00	0.00	165.20	-76.89	20,31	79.52	80.784 militari 1	enn siger del s		Marian Bari Kari Ang	a velanda
100.00	100.00	100.00	100.00	0.10	0.10	165.20	-76.89	20.31	79,52	79.33	0.19	416.246		
200.00	200.00	200.00	200.00	0.32	0.32	165.20	-76.89	20.31	79.52	78.88	0.64	124.144		
250.00	250.00	250.00	250.00	0.43	0.43	165.20	-76.89	20.31	79.52	78.66	0.87	91.898 CC,	ES	
300.00		298.69	298.68	0.55	0.53	149.20	-77.24	20.52	80.31	79,23	1.08	74.485		
400.00		395.77	395.71	0.78	0.72	149.69	-80.08	22.20	86,57	85.06	1.51	57.240		
500.00	499.68	491.99	491.71	1.01	0.94	150.47	-85.68	25.51	99.07	97.09	1.98	50.136		
600.00		590.45	589.79	1.26	1.18	151.31	-93.05	29.88	114.94	112.51	2.43	47.367		
700.00		689.17	688.13	1.52	1.44	151.95	-100.46	34.26	130.83	127.96	2.88	45.504		
800.00		787.89	786,48	1.78	1.70	152.46	-107.86	38.64	146.74	143.41	3,33	44.066		
900.00		886.61	884.82	2.05	1.97	152.86	-115.26	43.03	162.66	158.87	3.79	42.923		
1,000.00	997.78	985.33	983.16	2,31	2.24	153.19	-122.67	47.41	178.58	174.33	4.25	41.998		
1,062.46		1,046.98	1,044.59	2.48	2.41	153.37	-127.29	50.15	188,53	183.98	4.54	41.505		
1,100.00		1,040.30	1,044.33	2.40	2.51	153.42	-130.03	51.77	194.85	190.13	4.72	41.312 SF		
1,200.00		1,174.23	1,171.12	2.88	2.79	153.63	-138.70	56.90	216,26	211.08	5.19	41.703		
1,300.00		1,174.23	1,259.48	3.22	3.08	153,65	-149.56	63.33	244.34	238.67	5.19	43.125		
1,400.00		1,349.95	1,344.66	3.62	3.40	154.04	-162.34	70.89	278.87	272.72	6.15	45.322		
1,500.00		1,433.18	1,426.19	4.07	3.74	154.17	-176.72	79.40	319.61	312.96	6.65	48.094		
1,600.00		1,512.77	1,503.68	4.58	4.09	154.21	-192.37	88.66	366.27	359.12	7.14	51.279		
1,700.00		1,588.43 1,667.26	1,576.83 1,652.65	5.16 5.81	4,46 4.87	154.14 154.06	-208.96 -227.56	98.48 109.49	418.54 475.66	410.89 467.48	7.65 8.18	54.728 58.130		
1,850.28		1,707,53	1,691.36	6.17	5.08	154.05	-237.09	115.13	505.65	497.21	8.44	59.902		
1,900.00		1,747.03	1,729.34	6.53	5.30	154.42	-246.45	120.67	535.72		8.74	61.311		
2,000.00		1,826.49	1,805.73	7.27	5.73	155.06	-265.27	131.81	596.22		9.34	63.847		
2,100.00		1,905.95	1,882.12	8.02 8.78	6.16 6.60	155.59 156.02	-284.09 -302.91	142.95 154.09	656.77 717.34	646.82 706.77	9.95 10 <i>.</i> 57	66.007 67.856		
2,200.00	2,135.51	1,985.41	1,958.51	0.78	0.00	100.02	-302.91	104.09	/ 1/.34	100.11	10.57	01.000		
2,300.00		2,064.87	2,034.90	9,55	7.04	156.39	-321.73	165.22	777.94	766.74	11.20			
2,400.00			2,111.29	10.32	7.48	156.70	-340.55	176.36	838.55		11.83			
2,500.00		2,223.78	2,187.67	11.09	7.93	156.97	-359.37	187.50	899.18		12.47	72.080		
2,600.00			2,264.06	11.87	8.37	157.21	-378.19	198.64	959.82		13.12			
2,700.00	2,589.78	2,382.70	2,340.45	12.65	8.82	157.42	-397.01	209.78	1,020.46	1,006.70	13.77	74.122		
2,800.00	0 2,680.63	2,462.16	2,416.84	13.44	9.27	157.61	-415.83	220.92	1,081.12	1,066.70	14.42	74.977		
2,900.00	0 2,771.49	2,541.61	2,493.23	14.22	9.72	157.77	-434.65	232.06	1,141.78		15.07			
3,000.00	0 2,862.34	2,621.07	2,569.62	15.01	10.17	157.92	-453.47	243.19	1,202.45	1,186.72	15.73	76.437		
3,100.00		2,700.53	2,646.01	15.80	10.63	158.06	-472.29	254.33	1,263.12					
3,200.00	0 3,044.05	2,779.99	2,722.40	16.59	11.08	158.18	-491.11	265.47	1,323.80	1,306.74	17.05	77.629		
3,300.00	0 3,134.90	2,859.45	2,798.79	17.38	11.53	158.29	~509.93	276.61	1,384.47	1,366.76	17.72	78.146		
3,400.00	0 3,225.76	2,938.90	2,875.18	18.17	11.99	158.40	-528.75	287.75	1,445.16	1,426.77	18.38	78.618		
3,500.00	0 3,316.61	3,018.36	2,951.57	18.96	12.44	158,49	-547.57	298.89	1,505.84	1,486.79	19.05	79.051		
3,600.00	0 3,407.47	3,097.82	3,027.96	19.75	12.90	158.58	-566.39	310.03	1,566.53	1,546.81	19.72	79.450		
3,700.00			3,104.35	20.55	13,35	158.66	-585.21	321.17	1,627.22	1,606.83	20.39	79.817		
3,800.00	0 3,589.17	3,256.74	3,180,74	21.34	13.81	158.73	-604.03	332.30	1,687.91	1,666.85	21.06	80.156		
3,900.00			3,257.13	22.13	14.27	158.80	-622.85	343.44	1,748.60					
4,000.00			3,333.51	22.93	14.72	158.87	-641.67	354.58	1,809.30					
4,100.0			3,409.90		15.18	158.93	-660.49	365.72	1,869.99					
4,200.0			3,486.29		15.64	158.99	-679.31	376.86						
4,300.0	0 4,043.44	1 3,654.03	3,562.68	25.31	16.09	159.04	-698.13	388.00	1,991.39	1,966.96	24.43	81.524		
4,300.0			3,552.55		16.55	159.04	-716.95	399.14						
4,400.0			3,715.46		17.01	159.14	-716.35	410.27						
4,600.0			3,791.85			159.18	-754.59	421.41						
4,700.0					17.93		-773.41	432.55						
4,800.0	0 4,497.7	4,058.16	3,951.21	29.29	18.41	159.27	-793.83	444.64	2,294.89	2,267.06	5 27.83	82.456		

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# **BILL BARRETT CORPORATION**

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Desian #1	Offset TVD Reference:	Offset Datum

Offset De	the second second second second	The Denis Dy Calebra Corre	ON 26 T12	S R16E - F	PETERS	POINT UF #	3-35D-12-16 -	PT PT UF #	#3-35D-12	-16 - Desi	gn #1	and service states and the	Offset Site Error;	0.00 ft
urvey Prog	A Carl Street Street Street	1. Sector 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	이번 것을 같은 Stand of the										Offset Well Error:	0.00 ft
Refer	6	Offs		Semi Major	AREA 2017 11 12 12			an ta	Dista	20 81 04 52 18 1				
easured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbor +N/-S (ft)	e Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
erende het in	an de Castra de Castr Castra de Castra de C	la prostation de la	an se statere e e	ann neithreith se	지수야 한 것을 수 있다.	n mit filligen in ee	an a gweith far falar a c	e na Bhille an anti-i	en pagi kasas	的中国的国际公司	2000 - 1999 (B. 1996))		en else di Serie este	alle Mendel i
4,900.00	4,588.57	4,231.08	4,118.62	30.09	19.12	159.41	-831.04	466.66	2,353.78	2,325.10	28.68	82.070 81.679		
4,998.96 5,000.00		4,411.87 4,413.82	4,295.56 4,297.47	30.88 30.89	19.75 19.75	159.66 159.67	-862.94 -863.24	485.54 485.72	2,408.77 2,409.33	2,379.28 2,379.83	29.49 29.50	81.668		
5,100.00		4,413.82	4,297.47	30.89	20.31	160.49	-889.44	405.72 501.23	2,409.33	2,379.03	29.50	80.647		
5,200.00		4,803.78	4,490.02	32.03	20.31	161.23	-908.07	512.25	2,409,40	2,420.93	31.43	79.608		
5,300.00		5,037.77	4,917.58	32.53	21.09	161.92	-917.13	517.61	2,535,96	2,503.70	32.26	78.609		
5,400.00	5,055.60	5,175.80	5,055.60	32.97	21.24	162.40	-917.72	517.96	2,562.42	2,536.29	26.13	98.067		
5,500.00	5,152.87	5,273.06	5,152.87	33,36	21.33	162.72	-917.72	517.96	2,584.62	2,557.64	26,98	95.804		
5,600.00	5,251.05	5,371.24	5,251.05	33.69	21.43	162.98	-917.72	517.96	2,602.74	2,575.05	27.69	93.996		
5,700.00	5,349.96	5,470.16	5,349.96	33.96	21.53	163.18	-917.72	517.96	2,616.76	2,588.48	28.28	92.526		
5,800.00	5,449.42	5,569.62	5,449.42	34.18	21.63	163.32	-917.72	517.96	2,626.64	2,597.88	28.76	91.323		
5,900.00	5,549.23	5,669.43	5,549.23	34.33	21.73	163.39	-917.72	517.96	2,632.36	2,603.22	29.14	90.338		
5,986.79	5,636.00	5,756,20	5,636.00	34.41	21.82	179.49	-917.72	517.96	2,633.93	2,605.14	28.79	91.474		
6,000.00	5,649.21	5,769.41	5,649.21	34.42	21.84	179.49	-917.72	517.96	2,633.93	2,605.09	28.84	91.324		
6,100.00	5,749.21	5,869.41	5,749.21	34.49	21.94	179.49	-917.72	517.96	2,633.93	2,604.72	29.21	90.162		
6,200.00	5,849.21	5,969.41	5,849.21	34.57	22.05	179.49	-917.72	517.96	2,633.93	2,604.35	29.59	89.025		
6,300.00	5,949.21	6,069.41	5,949.21	34.64	22.16	179.49	-917.72	517.96	2,633.93	2,603.97	29,96	87.914		
6,400.00	6,049.21	6,169.41	6,049.21	34.72	22.28	179.49	-917.72	517.96	2,633.93	2,603.60	30.34	86.826		
6,500.00		6,269.41	6,149.21	34.80	22.39	179.49	-917.72	517.96	2,633.93	2,603,22	30.71	85.762		
6,600.00	6,249.21	6,369.41	6,249.21	34.88	22.51	179.49	-917.72	517.96	2,633.93	2,602.84	31.09	84.720		
6,700.00	6,349.21	6,469.41	6,349.21	34.96	22.62	179.49	-917.72	517.96	2,633.93	2,602.47	31.47	83.701		
6,800.00	6,449.21	6,569.41	6,449.21	35.04	22.74	179.49	-917.72	517.96	2,633.93	2,602.09	31.85	82.703		
6,900.00	6,549.21	6,669.41	6,549.21	35.13	22.86	179.49	-917.72	517.96	2,633.93	2,601,70	32.23	81.725		
7,000.00		6,769.41	6,649.21	35.21	22.98	179.49	-917.72	517.96	2,633.93			80.768		
7,100.00		6,869.41	6,749.21	35,30	23.11	179.49	-917.72	517.96	2,633.93					
7,200.00	6,849.21	6,969.41	6,849.21	35.38	23.23	179.49	-917.72	517.96	2,633.93	2,600.56	33.38	78.911		
7,300.00	6,949.21	7,069.41	6,949.21	35.47	23.36	179.49	-917.72	517.96	2,633.93	2,600.17	33.76	78.010		
7,400.00		7,169.41	7,049.21	35.56	23.49	179.49	-917.72	517.96	2,633.93					
7,500.00			7,149.21	35.65	23.62	179.49	-917.72	517.96	2,633.93					
7,600.00		7,369.41	7,249.21	35.74	23.75	179.49	-917.72	517.96	2,633.93					
7,700.00	7,349.21	7,469.41	7,349.21	35.84	23.88	179.49	-917.72	517.96	2,633.93	2,598.62	35.32	74.583		
7,800.00			7,449.21	35.93	24.01	179.49	-917.72	517.96	2,633.93	-				
7,838.85			7,488.07		24.07	179,49	-917.72	517.96	2,633.93					
7,858.79	7,508.00	7,627.20	7,507.00	35.99	24.09	179.49	-917.72	517.96	2,633.93	2,598.00	35.93	73.301		



Anticollision Report

B	Barrett	Corporation
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Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD/Reference:	WELL @ 7177.00ft (Original Well Elev)
ite Error:	0.00ft	North Reference:	True
eference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Vell Error:	0.00ft	Output errors are at	2.00 sigma
teference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

fset De	and the state of the	SECTIO		and the second second			如此形态的理论的情况	的功能的能力的	物的正规性制度的		A NAMES NO A	an a		0.00 fl
rvey Prog Refer	1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WD Offset		Semi Major	Axis				Dist	ince	lingen in gene Stationen station		Offset Well Error:	0.00 fi
asured	Vertica	Measured	Vertical	Reference	Offset	Highside	Offset Wellbo	re Centre	Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(fft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
0.00	0.00	0.00	0.00	0.00	0.00	165.57	-15.18	3.91	15.67	a a conservation.	1211-002-222-2	Period and a second of the	allen an einen eine het.	19 E 19
100.00	100.00	100.00	100.00	0.10	0.10	165.57	-15.18	3.91	15.67	15.48	0.19	82.031		
200.00	200.00	200.00	200.00	0.32	0.32	165.57	-15.18	3.91	15.67	15.03	0.64	24.466		
250.00	250.00	250.00	250.00	0.43	0.43	165.57	-15,18	3.91	15.67	14.81	0.87	18.111 CC		
300.00	300.00	300.13	300.13	0.55	0.54	148.91	-14.88	4.22	15.84		1.09	14.541 ES		
400.00	399.93	400.37	400.30	0.78	0.77	144.63	-12.47	6.77	17.21	15.68	1.54	11.198		
500.00	499.68	500,53	500.21	1.01	1.01	137.90	-7.66	11.87	20.19	18.20	1.99	10.141		
600.00	599.30	600.55	599.68	1.26	1.27	127.86	-0.47	19.48	23.89	21.43	2.46	9.717		
700.00	698.92	700.30	698.51	1.52	1.56	114.52	8.77	29,27	28.28	25.32	2.96	9.566 SF		
800.00	798.54	800,00	797.24	1.78	1.87	104.43	18.30	39.35	33.88	30.42	3.46	9.806		
900.00	898.16	899.69	895.96	2.05	2.19	97.34	27.82	49.44	40.22	36.28	3.94	10.198		
1,000.00	997.78	999.38	994.69	2.31	2.51	92.24	37.35	59.53	47.01	42.59	4.42	10.626		
1,062.46	1,060.00	1,061.65	1,056.35	2.48	2.72	89.75	43.30	65.83	51.40	46.68	4.72	10.888		
1,100.00	1.097.37	1,098.67	1,092.97	2.58	2.84	88.49	47.00	69.75	54.20	49.30	4.90	11.062		
1,200.00	1,196.58	1,196.87	1,189.65	2.88	3.20	86.16	58.78	82.22	63.20	57.80	5.40	11.706		
1,300.00	1,295.14	1,294.58	1,285,04	3.22	3.62	84.98	73.31	97.61	74.34	68.40	5.94	12.518		
1,400.00	1,392.88	1,391.74	1,378.90	3.62	4.09	84.57	90.51	115.82	87.51	80.99	6.52	13.413		
1,500.00	1,489.61	1,488.30	1,471.05	4.07	4.63	84.64	110.30	136.78	102.69		7.17	14.324		
1,600.00	1,585.13	1,584.19	1,561.28	4.58	5.22	84.97	132.57	160.36	119.82		7.88	15.207		
1,700.00	1,679.28	1,679.38	1,649.44	5.16	5.88	85.44	157.22	186.46	138.89		8.67	16.028		
1,800.00	1,771.87	1,773.84	1,735.36	5.81	6.60	85.96	184.15	214.97	159.86	150.33	9.53	16.770		
1,850.28		1,821.04	1,777.67	6.17	6.99	86.21	198.51	230.18	171.11		10.00	17.112		
1,900.00		1,867.52	1,818.91	6,53	7.39	86.59	213.23	245.77	182.72		10.48	17.427		
2,000.00		1,960.33	1,899.91	7.27	8,24	86.53	244.33	278.70	207.60		11.45	18.129		
2,100.00		2,052.52 2,148.50	1,978.50 2,059.53	8.02 8.78	9.14 10.13	85.67 84.67	277.42 312.75	313.73 351.14	234.49 262.24		12.39 13.35	18.919 19.644		
2,300.00			2,140.55	9.55	11.12	83.86	348.08	388.55	290.06		14.31	20.269		
2,400.00			2,221.57	10.32 11.09	12.13	83.19 82.63	383.41 418.74	425.96 463.37	317.92 345.81		15.28 16.25	20.810 21.282		
2,500.00			2,302.59 2,383.61	11.09	13.13 14.14	82.03	418.74	403.37 500.78	345.81		17.23	21.292		
2,700.00			2,464.63	12.65	15.16	81.74	489.40	538.19	401.66		18.21	22.062		
2,800.00	2,680.63	2,724.39	2,545.66	13.44	16.18	81.38	524.73	575.60	429.62	410.43	19.19	22.388		
2,900.00			2,626.68	14.22	17.20	81.06	560.06	613.01	457.59		20.18	22.680		
3,000.00			2,707.70	15.01	18.22	80.79	595.39	650.42	485.57	464.40	21.16	22.943		
3,100.00	2,953.19	3,012.33	2,788.72	15.80	19.25	80.54	630.72	687.83	513.55	491.40	22.15	23.180		
3,200.00	3,044.05	3,108.31	2,869.74	16.59	20.27	80.32	666.06	725.24	541.55	518.40	23.15	23.396		
3,300.00	3,134.90	3,204.29	2,950.76	17.38	21.30	80.12	701.39	762.65	569.56	545.41	24.14	23,593		
3,400.00	3,225.76	3,300.27	3,031.79	18.17	22.33	79.93	736.72	800.06	597.57	572.43	25.14	23.773		
3,500.00	3,316.61	3,396.25	3,112.81	18.96	23.36	79.77	772.05	837.47	625.58		26.13	23.938		
3,600.00			3,193.83	19.75	24.39	79.62	807.38	874.88	653.60		27.13	24.091		
3,700.00	) 3,498.32	3,588.22	3,274.85	20.55	25.42	79.48	842.71	912.29	681.62	653.49	28.13	24.231		
3,800.00	3,589.17	7 3,684.20	3,355.87	21.34	26.45	79.35	878.04	949.70			29.13			
3,900.00			3,436.90	22.13		79.23	913.37	987.11	737.68		30.13			
4,000.00			3,517.92	22.93	28.51	79.12	948.70	1,024.52			31.13			
4,100.00			3,598.94	23.72		79.02	984.03	1,061.93			32.13			
4,200.00	3,952.59	9 4,068.12	3,679.96	24.52	30.58	78.93	1,019.36	1,099.34	821.78	3 788.65	33.13	24.801		
4,300.00	0 4,043.44	4 4,164.10	3,760.98	25.31	31.61		1,054.69	1,136.75			34.14			
4,400.00			3,842.00			78.76	1,090.03	1,174.16						
4,500.00			3,923.03				1,125.36	1,211.57			36.15			
4,600.00			4,004.05				1,160.69	1,248.98						
4,700.00	0 4,406.86	6 4,548.02	4,085.07	28.50	35.74	78.54	1,196.02	1,286.39	961,9	9 923.83	38.15	20.210		
4,800.00	0 4,497.7	1 4,644.00	4,166.09	29.29	36.78	78.47	1,231.35	1,323.80	990.0	3 950.87	39.16	25.282		



# **BILL BARRETT CORPORATION**

Anticollision Report

	(a) All the second sec second second sec
Company:	BILL BARRETT CORP
Project:	CARBON COUNTY, UT (NAD 27)
Reference Site:	SECTION 26 T12S R16E
Site Error:	0.00ft
Reference Well:	PETERS POINT UF 11-26D-12-16
Well Error:	0.00ft
Reference Wellbore	PT PT 11-26-12-16
Reference Design:	Design #1
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Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Output errors are at Database: Offset TVD Reference: Well PETERS POINT UF 11-26D-12-16 WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev) True Minimum Curvature 2.00 sigma Compass Offset Datum

Offset De Survey Prog	and the state of the state of the	SPE Martin and Martin Ref.	N 26 T12	S R16E - F	PETERS	POINT UF 1	0-26D-12-16 -	PT PT 10-2	26-12-16 -	Design #1			Offset Site Error: Offset Well Error:	0.00 ft 0.00 ft
Refer	ence	Offse	et -	Semi Major	Axis				Dist	ance.				
<b>Aeasured</b>	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbon	e Centre	Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ff)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
4,900.00	4,588.57	4,739.99	4,247.11	30.09	37.81	78.41	1,266.68	1,361.21	1,018.08	977.92	40.16	25.348		
4,998.96	4,678.48	4,834.97	4,327.29	30.88	38.84	78.35	1,301.64	1,398.24	1,045.84	1,004.68	41.16	25,409		
5,000.00	4,679.42	4,835.97	4,328.13	30,89	38.85	78.36	1,302.01	1,398.62	1,046.13	1,004.96	41.17	25.408		
5,100.00	4,771.18	4,931.77	4,409.00	31.48	39.88	78.91	1,337.27	1,435.96	1,074.60	1,032.38	42.23	25.449		
5,200.00	4,864.58	5,027.09	4,489.47	32.03	40.91	79.27	1,372.36	1,473.12	1,103.91	1,060.76	43.15	25,583		
5,300.00	4,959.45	5,121.76	4,569.39	32.53	41.93	79.44	1,407.21	1,510.02	1,134.08	1,090.13	43.94	25.807		
5,400.00	5,055.60	5,215.59	4,648.59	32.97	42,94	79.47	1,441.75	1,546.59	1,165.16	1,120.55	44.61	26.119		
5,500.00	5,152.87	5,334.55	4,749.66	33.36	44.09	79.11	1,484.81	1,592.19	1,196.71	1,151.75	44.95	26.621		
5,600.00	5,251.05	5,479.87	4,877.10	33.69	45.23	78.51	1,532.75	1,642.94	1,225.86	1,180.93	44.93	27.285		
5,700.00	5,349.96	5,629.99	5,013.09	33.96	46.27	77.88	1,576.34	1,689.10	1,252.00	1,207.21	44.79	27.951		
5,800.00	5,449.42	5,784.74	5,157.33	34.18	47.20	77.24	1,614.78	1,729.80	1,274.91	1,230.36	44.54	28.621		
5,900.00	5,549.23	5,943.88	5,309.25	34.33	47.98	76.57	1,647.25	1,764.18	1,294.38	1,250.20	44.18	29.297		
5,986.79	5,636.00	6,085.28	5,446.70	34.41	48.54	92.04	1,669.96	1,788.23	1,308.34	1,252.64	55,70	23.489		
6,000.00	5,649.21	6,107.06	5,468.05	34.42	48.62	91.91	1,672.94	1,791.38	1,310.21	1,254.56	55.65	23.544		
6,100.00	5,749.21	6,274.36	5,633.19	34.49	49.08	91.09	1,691.16	1,810.68	1,321.54	1,266.16	55.38	23.863		
6,200.00	5,849.21	6,444.72	5,802.89	34.57	49.37	90.65	1,701.17	1,821.27	1,327.69	1,272.35	55.34	23.992		
6,300.00	5,949.21	6,591.09	5,949.21	34.64	49.49	90,56	1,703.02	1,823,23	1,328.82	1,280.16	48.66	27.309		
6,400.00	6,049.21	6,691.09	6,049.21	34.72	49.55	90.56	1,703.02	1,823.23	1,328.82	1,279.95	48.87	27.189		
6,500.00	6,149.21	6,791.09	6,149.21	34.80	49.60	90.56	1,703.02	1,823.23	1,328.82	1,279.73	49.09	27.069		
6,600.00	6,249.21	6,891.09	6,249.21	34.88	49.66	90.56	1,703.02	1,823.23	1,328.82	1,279.51	49.31	26.948		
6,700.00	6,349.21	6,991.09	6,349.21	34.96	49.72	90.56	1,703.02	1,823.23	1,328.82	1,279.29	49.54	26.826		
6,800.00	6,449.21	7,091.09	6,449.21	35.04	49.78	90.56	1,703.02	1,823.23	1,328.82	1,279.06	49.76	26.704		
6,900.00	6,549.21	7,191.09	6,549.21	35.13	49.84	90.56	1,703.02	1,823.23	1,328.82	1,278.83	49.99	26.581		
7,000.00	6,649.21	7,291.09	6,649.21	35.21	49.90	90,56	1,703.02	1,823.23	1,328.82	1,278.60	50.22	26.458		
7,100.00	6,749.21	7,391.09	6,749.21	35.30	49.96	90.56	1,703.02	1,823.23	1,328.82	1,278.36	50.46	26.334		
7,200.00	6,849.21	7,491.09	6,849.21	35.38	50.02	90.56	1,703.02	1,823.23	1,328.82	1,278.12	50.70	26.210		
7,300.00	6,949.21	7,591.09	6,949.21	35.47	50.08	90,56	1,703.02	1,823.23	1,328.82	1,277.88	50.94			
7,400.00	7,049.21	7,691.09	7,049.21	35,56	50.15	90.56	1,703.02	1,823.23	1,328.82	1,277.64	51.18	25.962		
7,500.00	7,149.21	7,791.09	7,149.21	35.65	50.21	90.56	1,703.02	1,823.23	1,328.82	1,277.39	51.43	25.837		
7,600.00	7,249.21	7,891.09	7,249.21	35.74	50.28	90.56	1,703.02	1,823.23	1,328.82	1,277.14	51.68			
7,700.00	7,349.21	7,991.09	7,349.21	35.84	50.35	90.56	1,703.02	1,823.23	1,328.82	1,276.89	51.93	25.588		
7,800.00	7,449.21	8,091.09	7,449.21	35.93	50.42	90.56	1,703.02	1,823.23	1,328.82	1,276.63	52.19	25.463		
7,858.79	7,508.00	8,149.87	7,508.00	35,99	50.46	90.56	1,703.02	1,823.23	1,328.82	1,276.48	52,34	25.389		



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# **BILL BARRETT CORPORATION**

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum
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rvey Prog Refer	A CONTRACTOR OF	Offse	<b>t</b>	Semi Major	Axis				Dista	Ince				
asured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Weilbor	ノイト ひとうさい しょうそう	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	(ft)	empses (ft)	(ft)	Tatto		
0.00	0.00	0.00	0.00	0.00	0.00	-13.56	16,19	-3.91	16.66		1.14.1			
100.00	100.00	100.00	100.00	0.10	0.10	-13,56	16.19	-3.91	16.66	16.47	0,19	87.193		
200.00	200.00	200.00	200.00	0.32	0.32	-13.56	16.19	-3.91	16.66	16.02	0.64	26.005		
250.00	250,00	250.00	250.00	0.43	0.43	-13.56	16.19	-3,91	16.66	15.79	0.87	19.251 CC		
300.00		299.72	299.71	0.55	0.54	-30.68	16.58	-4.09	16.71	15.62	1.09	15.333 ES		
400.00	399.93	399.10	399.03	0.78	0.77	-38.77	19.69	-5.59	17.28	15.75	1.54	11.242		
500.00	499.68	498.35	498.04	1.01	1.01	-52.79	25.89	-8.57	19.35	17.37	1.98	9.752		
600.00	599.30	598.15	597.46	1.26	1.26	-65.88	33.72	-12.35	23.25	20.81	2.44	9.512 SF		
700.00	698.92	697.95	696.88	1.52	1.52	-74.89	41,56	-16.12	28.00	25.08	2.92	9.602		
800.00	798.54	797.76	796.31	1.78	1.78	-81.19	49.40	-19.90	33.24	29.84	3.40	9.782		
900.00	898.16	897.57	895.74	2.05	2.05	-85.73	57.23	-23.67	38.76	34.88	3.88	9.977		
1,000.00	997.78	997.37	995.16	2,31	2.31	-89.13	65.07	-27.45	44.47	40.09	4,38	10.163		
1,062.46		1,059.71	1,057.26	2.48	2.48	-90.84	69,96	-29.81	48.10	43.41	4.68	10.270		
1,100.00		1,096.69	1,094.08	2.58	2.58	-91.80	73.10	-31.32	50.47	45.60	4.87	10.363		
1,200.00		1,194.85	1,191.48	2.88	2.88	-94.52	84.00	-36.57	58.86		5.40	10.911		
1,300.00	1,295.14	1,292.56	1,287.83	3.22	3.22	-97.10	98.58	-43.59	70.30	64,34	5.96	11.786		
1,400.00	1,392.88	1,389.68	1,382.83	3,62	3.60	-99.29	116.72	-52.33	84.78	78,19	6.59	12.874		
1,500.00		1,486.10	1,302.83	4.07	4.03	-101.02	138.30	-62.72	102.26		7.27	14.076		
1,600.00			1,567.76	4.58	4.53	-102.33	163.17	-74.71	122.69		8.01	15.313		
1,700.00			1,657.21	5.16	5,08	-103.29	191.18	-88.20	145.99	137.16	8.83	16.529		
1,800.00	1,771.87	1,770.13	1,744.38	5.81	5.69	-103.95	222.15	-103.12	172.08	162.35	9.73	17.687		
				o 47	c	404.40	000 70	444.49	186.23	176.02	10.21	18.243		
1,850.28			1,787.30 1,829.16	6.17	6.02 6.37	-104.19 -104.60	238.78 255.91	-111.13 -119.38	200.75		10.21	18.742		
1,900.00			1,913.02	7.27	7.10	-104.66	292.74	-137.12	230,99		11.76	19.650		
2,100.00	-		1,998.32	8.02		-104.57	330.89	-155.49	261.50		12.84	20.366		
2,200.00			2,083.61	8.78		-104.49	369.03	-173.87	292.02	278.08	13.95	20.940		
							(07.40	100.05	000 E4	207 47	15.07	21.406		
2,300.00			2,168.91	9.55 10.32		-104.43 -104.38	407.18 445.33	-192.25 -210.62	322.54 353.06		16.20	21,400		
2,400.00			2,254.21 2,339.51	10.32		-104.38	445.33 483.47	-229.00	383.58		17.35	22.111		
2,600.00			2,333.31	11.87		-104.30	521.62	-247.37	414.10		18.50	22,381		
2,700.00			2,510.10	12.65		-104.27	559,76	-265.75	444.61		19.66	22.611		
												00.040		
2,800.00			2,595.40	13.44		-104.24	597.91	-284.12	475.13					
2,900.00			2,680.70	14.22		-104.22	636.06	-302.50 -320.87	505.65 536.17					
3,000.00			2,766.00 2,851.29	15.01 15.80		-104.20 -104.18	674.20 712.35	-320.87	566.69					
3,200.0			2,936.59			-104.16	750.50	-357.62	597.21					
0,200.0	0,044.00	0,000.01												
3,300.0	0 3,134.9	3,194.10	3,021.89				788.64	-376.00	627.73					
3,400.0			3,107.19			-104.13	826.79	-394.37	658.25					
3,500.0			3,192.49			-104.12	864.94	-412.75	688.77					
3,600.0 3,700.0			3,277.78 3,363.08			-104.11 -104.10	903.08 941.23	-431.12 -449.50	719.29 749.81					
0,100.0		L 0,010.01	0,000.00	20.00	21.10		0-11.20							
3,800.0	0 3,589.1	7 3,670.24	3,448.38	21.34	21.99	-104.09	979.38	-467.88	780.3					
3,900.0	0 3,680.0	3 3,765,47	3,533.68				1,017.52	-486.25	810.8					
4,000.0							1,055.67	-504.63	841.3					
4,100.0							1,093.81	-523.00 -541.38	871.89 902.4					
4,200.0	0 3,952.5	9 4,051.16	3,789.57	24.52	2 25.37	-104.06	1,131.96	-041.38	502.4	. 004.9	, 31.40	24.010		
4,300.0	0 4,043.4	4 4,146.38	3,874.87	25.3	26.22	-104.05	1,170.11	-559.75	932.9					
4,400.0						-104.04	1,208.25	-578.13						
4,500.0			4,045.47	26.90	27.91	-104.04	1,246.40	-596.50						
4,600.0							1,284.55	-614.88						
4,700.0	00 4,406.8	6 4,527.30	4,216.06	28.5	29.60	-104.03	1,322.69	-633.25	1,055.0	1 1,011.5	2 43.49	24.261		
4,800.0	00 4,497.7	1 4,622.53	4,301.36	29.2	9 30.45	-104.02	1,360.84	-651.63	1,085.5	3 1,040.8	44.69	24.290		

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# BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

)ffset De	a far an		JN 20 1 12	0 R 10E - 1	ACREASE AND A		2-26D-12-16 -		20-12-10 -	Design #1	i National de la trace	anangana anili	Offset Site Error:	0.00 ft
Survey Program: 0-MWD Reference Offset Semi Major Axis Distance										Offset Well Error;	0.00 ft			
Refer easured	ence Vertical	Measured	Sec. 1996.	14、1411年,14月1日年(14月1日)	Offset		67. Jul 11							
Depth (ft)	Depth (ft)	Depth (ft)	Vertical Depth (ft)	Reference (ft)	(ft)	Highside Toolface (°)	Offset Wellbo +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4.588.57	4,717.76	4,386,66	30.09	31.29	-104.02	1,398.99	-670.00	1,116.05	1,070.15	a Sheradiya a shera v	24.318	an fan se fan ei se ste ste ste ste ste ste ste ste ste	an fa fa se fas a
4,998.96	4,678.48	4,812.00	4,471.07	30.88	32,13	-104.02	1,436.74	-688.19	1.146.25	1.099.16		24.310		
5,000.00	4,679.42	4,812.99	4,471.95	30.89	32.14	-104.02	1,437.13	-688.38	1,146.57	1,099.47	47.10	24.343		
5,100.00	4,771.18	4,908.35	4,557.37	31,48	32.99	-104.67	1,475.33	-706,78	1,176.56	1,128.30		24.376		
5,200.00	4,864,58	5,003,84	4,642.91	32.03	33.84	-105.08	1,513.58	-725.21	1,205.53	1,156.14		24.408		
5,300.00	4,959.45	5,126.16	4,753.80	32.53	34.75	-105.25	1,560.08	-747.60	1,232.46	1,182.00		24.425		
5,400.00	5,055.60	5,251.87	4,870.45	32.97	35.51	-105.37	1,602.23	-767.91	1,256.13	1,204.77	51.36	24.458		
5,500.00	5,152.87	5,379.78	4,991.60	33.36	36.19	-105.46	1,639.14	-785.69	1,276.43	1,224.26		24.467		
5,600.00	5,251.05	5,509.64	5,116.74	33,69	36.77	-105.53	1,670.33	-800.71	1,293.25	1,240.37		24.456		
5,700.00	5,349.96	5,641.15	5,245.27	33.96	37.24	-105.55	1,695.36	-812.77	1,306.49	1,253.01	53.48	24.431		
5,800.00	5,449.42	5,773.97	5,376.47	34.18	37.61	-105.55	1,713.86	-821.68	1,316.08	1,262.12	53.97	24.387		
5,900.00	5,549.23	5,907.73	5,509.59	34.33	37.88	-105.52	1,725.53	-827.30	1,321.96	1,267.62	54.34	24.327		
5,986.79	5,636.00	6,024.27	5,626.01	34.41	38.02	-89.40	1,729.99	-829.45	1,324.03	1,275.16	48.87	27.092		
6,000.00	5,649.21	6,042.04	5,643.78	34.42	38.04	-89.39	1,730.20	-829.55	1,324.11	1,274.52	49.59	26.700		
6,100.00	5,749.21	6,147.48	5,749.21	34.49	38.11	-89.39	1,730.28	-829.59	1,324.14	1,278.73	45.42	29.155		
6,200.00	5,849.21	6,247.48	5,849.21	34.57	38.18	-89.39	1,730.28	-829,59	1,324.14	1,278.50	45.64	29.011		
6,300.00	5,949.21	6,347.48	5,949.21	34.64	38,25	-89,39	1,730.28	-829.59	1,324.14	1,278.27	45.87	28.866		
6,400.00	6,049.21	6,447.48	6,049.21	34.72	38.32	-89.39	1,730.28	-829.59	1,324.14	1,278.04	46.10	28.721		
6,500.00	6,149.21	6,547.48	6,149.21	34.80	38.39	-89.39	1,730.28	-829.59	1,324.14	1,277.81	46.34	28.575		
6,600.00	6,249.21	6,647.48	6,249.21	34.88	38.47	-89,39	1,730.28	-829,59	1,324.14	1,277.57	46,58	28.429		
6,700.00	6,349.21	6,747.48	6,349.21	34.96	38,54	-89,39	1,730.28	-829.59	1,324.14	1,277.33	46.82	28,282		
6,800.00	6,449.21	6,847,48	6,449.21	35.04	38.62	-89.39	1,730.28	-829.59	1,324.14	1,277.08	47.06	28.135		
6,900.00		6,947.48	6,549.21	35.13	38.70	-89.39	1,730.28	-829.59	1,324.14	1,276.83		27.988		
7,000.00		7,047.48	6,649.21	35.21	38,78	-89.39	1,730.28	-829.59	1,324.14	1,276.58		27.841		
7,100.00		•	6,749.21	35.30	38.85	-89.39	1,730.28	-829.59	1,324.14			27.693		
7,200.00	6,849.21	7,247.48	6,849.21	35.38	38.94	-89.39	1,730.28	-829.59	1,324.14	1,276.07	48.07	27.546		
7,300.00		•	6,949.21	35.47	39.02	-89.39	1,730.28	-829.59	1,324.14			27.398		
7,400.00		-	7,049.21	35.56	39.10	-89.39	1,730.28	-829.59	1,324.14			27.250		
7,500.00			7,149.21	35.65	39.19	-89.39	1,730,28	-829.59	1,324.14	-		27.103		
7,600.00				35.74	39.27	-89.39	1,730.28	-829.59	1,324.14					
7,700.00	7,349.21	7,747.48	7,349.21	35.84	39.36	~89.39	1,730.28	-829.59	1,324.14	1,274.75	i 49.39	26.808		
7,800.00	7,449.21	7,847.48	7,449.21	35.93	39.44	-89,39	1,730.28	-829.59	1,324.14	1,274.48	49.67	26.661		
7,858.79	7,508.00				39.50	-89.39	1,730.28	-829.59	1,324.14	1,274.32	49.83	26,575		



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# BILL BARRETT CORPORATION

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum
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m         m         m         m         m         m         m         m         m         m         m         m         m           0000         00000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000         10000			Measured	Vertical	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	C. C		Offset Weilbon	e Centre					Warning	
100.00         100.00         10.00         0.10         0.10         0.00         100.00         0.00         100.00         0.00         100.00         0.00         100.00         0.00         100.00         0.00         100.00         0.00         100.00         0.00         100.00         0.00         100.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00 <t< th=""><th></th><th>1 - i - i - i - i - i - i - i - i - i -</th><th></th><th></th><th>(fi)</th><th>(ft)</th><th></th><th>[1] 1. (A. 1997) M. M.</th><th>and the second second</th><th></th><th></th><th></th><th>Factor</th><th></th><th></th></t<>		1 - i - i - i - i - i - i - i - i - i -			(fi)	(ft)		[1] 1. (A. 1997) M.	and the second				Factor		
00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00         00.00 <th< td=""><td>0.0</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>165,57</td><td>-30,36</td><td>7.81</td><td>31.34</td><td>a a faithean a s</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td></td></th<>	0.0	0.00	0.00	0.00	0.00	0.00	165,57	-30,36	7.81	31.34	a a faithean a s	· · · · · · · · · · · · · · · · · · ·			
DOD0         DOD0         DOD0         DOD0         DOZ									7.81	31.34	31,15	0.19	164.063		
5500         2500         2500         2500         2500         643         643         663         4624         7,81         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31.4         31									7.81	31.34	30.70	0.64	48.931		
LOC.00         SUB_08         SUB_08         SUB_08         SUB_08         O.78         O.77         SL27         SD.80         7.81         4.11         SD.24         1.46         2.2487           600.00         669.52         669.82         10.10         0.69         177.16         40.08         7.81         4.11         80.10         2.84         42.44         2.2389           700.00         669.52         669.82         1.82         1.44         163.00         30.08         7.81         57.85         54.73         2.85         2.0109           600.00         76.81         57.85         54.73         2.85         2.0111         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001         1.0001	50.0	0.00	250.00	250.00	0.43	0.43	165.57	-30.36	7.81	31.34	30.48	0.87	36.222 CC,	ES	
600.00         468.88         498.85         1.01         0.96         17.15         40.05         7.81         41.11         99.11         2.00         22.989           600.00         599.30         598.30         698.30         1.28         1.22         11.69         30.38         7.81         44.23         44.24         24.2383           600.00         998.54         788.4         788.4         7.84         1.77         1.60.02         30.38         7.81         66.00         2.72         3.28         2.01/22           1000.00         1077.75         097.77         097.77         2.31         2.11         166.01         30.38         7.81         84.02         7.80         4.13         2.01/15           1000.00         1077.2         1077.2         2.26         11.36         2.27         13.38         4.3         2.01/15           1000.00         1082.81         1188.81         1188.21         1188.2         128         2.35         172.8         2.26         2.30.1         11.17         11.28         1.55         2.01/11           1200.00         1188.81         1188.83         3.22         2.07         1.38         2.30.5         0.33         2.30.5         0.	0.0	0.00	300.00	300,00	0.55	0.55	149.89	-30.36	7.81	31.72	30.63	1.09	29.066		
D000         593.90         593.90         693.70         128         1.22         11.19         503.08         7.81         4.26.8         4.24         52.88         53.104           D0000         593.80         668.25         658.27         1.28         1.44         136.00         503.08         7.81         67.86         54.72         5.28         50.104           D0000         593.16         698.16         698.16         2.21         2.11         165.00         503.08         7.81         67.40         72.70         3.70         2.011           100000         1077.71         1277.71         2.231         2.11         166.51         303.08         7.81         83.02         7.80         4.48         2.011           120000         1196.55         1.997.73         2.277         7.78         2.266         0.80         17.07         112.35         6.50         2.1111           140000         1.382.84         1.386.34         3.82         3.00         -176.54         -2.102         4.80         11.07         11.33         6.50         2.1111           140000         1.382.84         1.386.4         4.64         1.422         1.517         -170.40         120.81         <	99. <b>9</b>	9. <b>93</b>	399.93	399.93	0.78	0.77	152.75	-30.36	7.81	34.78	33.24	1.55	22,497		
D000         088.2         688.2         688.2         1.2         1.4         13.30         -50.86         7.84         57.84         57.84         2.67         2.68         0.109           0000         788.4         78.84         78.84         78.84         78.94         78.9         52.8         2.02         2.02         3.03         78.1         65.0         52.7         2.82         2.02           0.000         987.78         987.78         97.78         2.31         2.11         168.99         30.38         7.81         8.0.7         8.13         2.11         2.11         168.01         1.000         1.007.2         1.007.2         1.007.2         1.007.2         1.007.2         1.007.2         2.25         2.24         17.13         3.02.4         7.99         1.83         7.86         4.13         2.014           1.0000         1.007.1         1.207.1         3.22         2.77         17.82         2.56         0.99         17.97         17.28         0.50         2.111         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8         1.00.8	99.6	9.68	499.68	499.68	1.01	0.99	157.15	-30.36	7.81	41.11	39.11	2.00	20.589		
b0000         788.4         78.4         78.4         78.4         78.4         78.4         78.4         78.4         60.72         3.28         20.122           000.00         988.16         988.16         988.16         2.05         1.49         17.81         74.49         72.49         3.70         3.11           1002.00         97.78         97.77         97.77         1.07.20         1.07.20         2.21         1.19         30.38         7.81         8.30.2         7.60         4.13         2.0119           1002.00         1.062.80         1.062.00         1.062.80         1.062.20         2.277         17.62         2.86         0.89         117.97         112.30         6.03         2.2693           1.000.00         1.285.44         1.285.00         4.32         3.22         1.766.1         4.48.0         11.77         112.30         6.03         2.2693           1.000.00         1.488.01         1.488.3         1.588.20         4.38         3.22         1.66.33         2.71         163.20         1.70.3         3.88         7.88         3.2697           1.0000         1.672.3         1.589.2         3.68.7         3.224         1.11.77         1.88.0         1.68.	99.3	9.30	599.30	599.30	1.26	1.22	161.09	-30,36	7.81	49.26	46.84	2.43	20,293		
900.00         988 is         888 is         988 is         988 is         988 is         988 is         988 is         988 is         987.78         997.78         997.78         2.31         2.11         188.51         30.36         7.81         85.27         83.03         4.33         2.0.119           1.000.00         1.060.00         1.060.00         1.060.00         1.060.00         2.68         2.84         170.13         30.24         7.79         91.91         67.76         4.72         13.468 BF           1.000.00         1.285.41         1.287.71         3.22         2.77         178.22         2.68         4.08         110.27         112.28         5.39         2.111           1.40000         1.382.58         1.386.56         1.366.56         1.366.56         3.62         3.00         178.54         2.162         4.66         1.363.27         1.83.07         6.03         2.2683           1.60000         1.585.13         1.686.22         1.687.44         5.16         3.62         1.68.39         1.36.40         1.163         7.78         2.32.44         2.4465         2.264         2.264         2.264         2.264         2.264         2.264         2.264         2.264         2.26.45	98.9	8.92	698,92	698.92	1.52	1.44	163.90	-30.36	7.81	57.58	54.73	2.85	20.169		
10000         1070         1077.8         977.8         2.31         2.11         168.51         30.35         7.81         85.02         7.80         4.13         20.119           1.002.0         1.007.02         2.23         2.24         62.5         169.59         30.38         7.81         85.72         33.88         4.39         20.129           1.200.00         1.168.58         1.189.27         1.168.24         1.169.26         1.169.36         1.189.27         1.169.26         1.169.36         1.189.27         1.169.26         1.200.0         1.285.14         1.297.11         3.22         2.77         1.788.2         2.85.64         1.00.85         6.03         2.2683           1.400.00         1.382.88         1.386.86         1.382.86         1.382.86         1.482.96         1.427.71         1.238         7.69         2.4685           1.500.00         1.577.81         1.580.50         1.578.4         5.16         2.0697         1.578         7.04         2.581.4         2.010.71         4.05.3         2.79.19         2.07.11         8.48         3.2965           1.500.00         1.577.70         1.617.4         4.44         1.61.20         1.170.71         4.05.33         9.88         3.4477	98,5	8,54	798.54	798.54	1.78	1.67	166.00	-30.36	7.81	66.00	62.72	3.28	20.122		
1992.4         1000.0         1000.0         1000.0         1000.0         1000.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1007.0         1000.0         1000.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         1100.0         11000.0         11000.0         11000	98.1	8.16	898,16	898.16	2.05	1.89	167.62	-30.36	7.81	74.49	70.79	3.70	20.111		
102.24       109.05       1007.02       1007.32       2.26       109.25       2.34       7.24       8.27       3.38       4.39       20.128         1200.00       1195.46       1199.27       1196.27       1196.28       2.24       7.26       2.37       176.82       2.36       4.47       103.11       07.46       5.50       2.1111         1200.00       1285.41       1287.97       132.82       138.68       3.36.8       4.37       10.345       6.03       2.269       2.111       07.45       2.269       0.49       117.11       07.45       2.269       2.111       07.45       2.269       11.48.68       10.345       6.03       2.2697       2.2697         1500.00       1.572.28       1.583.05       1.576.4       5.16       3.52       1467.10       1.48.68       10.345       6.50       2.2697         1500.00       1.572.28       1.533.55       1.577.4       5.51       4.44       169.62       17.17       7.70.4       250.47       8.48       3.2865         1500.00       1.552.46       1.577.4       1.530.4       1.610.9       17.17       7.70.4       250.47       1.44       3.205       1.610.7       5.461       1.707       1.771	97.7	7.78	997.78	997.78	2.31	2.11	168.91	-30,36	7.81	83.02	78.90	4.13	20.119		
1.0000         1.007.37         1.077.83         1.007.83         1.007.83         1.007.83         1.007.83         1.007.83         1.007.84         1.007.84         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         1.208.1         2.209.1					2.48	2.25	169,59	-30.36	7.81	88.37	83.98	4,39	20.129		
1980.00         1986.8         1982.7         1982.7         2.88         2.265         9.267         4.67         100.11         97.56         5.55         22.111           1300.00         1285.44         1.287.99         1.287.71         3.22         2.77         176.52         25.66         -0.66         117.67         112.38         5.59         21.111           1400.00         1.285.41         1.965.80         1.955.82         1.955.82         1.965.81         4.07         3.25         -17.411         -1.468         27.10         180.38         150.37         6.50         22.663           1700.00         1.577.28         1.858.91         1.455.7         6.51         4.16         -162.69         1.56         -57.2         23.61         180.32         1.97.7         6.50         3.17.07           1200.00         1.771.67         1.77.42         1.767.52         5.51         4.16         -162.62         11.57         -70.40         238.11         2.77.1         4.84         3.266           1200.00         1.585.81         1.981.19         6.17         4.54         -157.85         3.480         -113.2         3.406         4.16         2.44         3.266           1200.00         2						2.34		-30.24	7.59	91.80	87.09	4.72	19.466 SF		
1,300.00       1,285.14       1,297,90       1,287,71       3,22       2,77       176.32       -26.69       -0.89       117.97       112.38       5.69       21.111         1,400.00       1,582.86       1,396.56       1,396.86       1,396.86       1,306.56       6.50       2,2665         1,500.00       1,585.13       1,590.62       1,580.60       4,58       3,52       -160.79       -7.29       -5.21       180.32       151.37       6.50       2,2665         1,700.00       1,577.46       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.42       1,777.43       1,553.4       4,16       -162.63       11.57       -7.040       250.45       8,68       35.66         1,900.00       1,825.27       1,833.11       -7.27       4,54       -159.52       2,224.4       -110.43       300.20       291.33       8,68       35.647         2,000.00       2,446.52       2,041.65       2,020.00       2,402.62       1,474.77       -159.63       34.80       -113.72       34.06       352.38       356.61       33.78									4.87	103.11	97,96	5.15	20.014		
15000       1498281       1493261       1493261       1493261       1493261       158577       6.00       24685         160000       158513       1589262       158560       4.58       3.52       16579       -729       -3521       168322       16132       700       26007         120000       1771 87       177422       15813       4.16       -16239       1.157       -7040       2561       25045       8.16       3.107         145000       185277       182007       1.81119       6.17       4.34       -16109       17.01       40053       279.19       27071       8.48       32905         145000       1852.46       1.852.77       6.53       4.44       -169.28       2.04.4       91.04       20020       213.85       3.67       3.58         200000       195300       1.852.46       1.852.77       9.55       6.38       -152.12       7.351       -165.94       47.60       418.98       11.48       37.488         200000       2.403.07       2.298.55       11.08       7.40       -149.97       93.22       2.34.06       63.341       649.07       14.34       39.298         200000       2.406.07       2.398.35									~0.89	117.97	112.38	5.59	21.111		
15000       1488261       1483261       148326       148326       148327       6.80       24685         1800.00       158513       1589.02       1589.63       4.58       3.52       -165.79       -7.28       -35.21       168.23       161.27       7.00       26.607         1800.00       1.771.87       1.774.82       1.777.20       5.81       4.16       -162.63       11.57       -70.40       258.61       250.45       8.16       3.1707         1800.00       1.821.77       1.820.07       1.811.19       6.17       4.34       -169.26       2.264       -16.14       300.02       2213.3       8.17       2.30.85         2000.00       1.852.46       1.883.17       7.27       4.55       -157.30       34.80       -115.77       33.38       9.88       35.427         2.000.00       2.185.10       1.852.46       1.088.11       7.27       4.55       -157.32       34.00       137.70       38.66       376.01       19.77       3.6.861         2.000.00       2.107.88       8.78       5.89       -155.52       6.051       -161.87       430.46       418.98       11.48       37.489         2.000.00       2.286.35       2.280.55       11.08<	92.8	2.88	1 396.65	1.395.88	3.62	3.00	-178.54	-21.02	-9.60	136.88	130.85	6.03	22.693		
1600.00       1,5651.31       1,589.62       1,686.00       4,58       3,52       -168.79       -7.28       -35.21       185.32       161.32       7.00       25.607         1,700.00       1,771 at       1,774.52       1,777.52       5.16       3,42       -165.29       1,15       -57.12       221.12       213.58       8,16       31.707         1,850.28       1,871.77       1,820.07       1,811.19       6.17       4.34       -161.09       17.01       -80.53       279.19       270.71       8.48       33.856         1,000.00       1,862.30       1,884.30       1,885.17       6.53       4.44       -169.62       22.64       -91.04       300.20       291.33       8.67       3.836         2,000.00       1,862.40       1,838.11       7.27       4.55       -175.79       3.80.0       11.87       3.76.01       10.57       3.65.61         2,000.00       2,145.51       1,230.20       8.77       6.58       -165.24       47.70       -137.80       38.61       11.48       37.48         2,000.02       2,172.77       9.55       6.38       -162.21       7.51       -165.74       474.60       42.18       12.42       3.22.22         2,00									-21.10	160.26	153.77	6.50	24.665		
1700.00       1.679.28       1.883.35       1.674.42       5.16       3.82       -165.99       1.6       -77.040       255.61       250.45       8.16       31.707         1.850.28       1.817.77       1.820.07       1.811.19       6.17       4.34       -161.06       17.01       -80.5       276.71       8.48       32.905         1.850.28       1.887.37       1.820.07       1.811.19       6.17       4.34       -161.06       17.01       -80.5       276.10       8.48       32.905         2.000.00       1.982.80       1.822.44       1.983.11       7.7       4.95       -157.39       34.80       -113.72       34.60       333.38       0.68       38.427         2.000.00       2.285.86       2.220.00       2.127.7       9.55       6.88       -150.52       60.61       -161.87       430.46       418.88       11.48       37.488         2.0000       2.237.82       2.209.017       2.276.85       3.88       -152.12       73.51       -165.84       474.60       462.18       12.42       38.209         2.0000       2.486.97       2.477.65       2.477.65       2.487.65       2.487.65       2.487.65       2.487.65       3.68.12       39.700      <										188.32	181.32	7.00	26.907		
1,0000       1,771 87       1,774 92       1,767.52       5.81       4.16       -162.63       11.57       -70.40       258.61       250.45       8.16       31.707         1,850.20       1,861.30       1,864.30       1,852.87       6.53       4.54       -159.62       22.64       -91.04       300.20       291.33       8.87       33.88         0,0000       1,862.40       1,382.41       1,327.1       7.27       4.95       -157.35       34.80       -113.72       343.06       333.38       6.68       354.47         2,00000       2,044.65       2,201.06       8.76       6.58       -165.24       47.70       -177.0       38.68       176.01       10.57       38.681         2,00000       2,317.22       2,209.01       2,192.77       9.55       6.38       -162.12       73.51       -185.94       474.60       462.18       12.42       38.220         2,00000       2,317.22       2,309.17       2,777.85       13.22       6.89       -145.12       73.51       -185.94       474.60       462.18       12.42       38.280         2,00000       2,780.70       2,525.33       1.65       8.64       -146.11       112.33       258.16       600.80								1.56	-51.72	221.12	213.58	7.55	29.294		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$					5.81	4.16	-162.63	11.57	-70.40	258.61	250.45	8.16	31.707		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	17 7	17 77	1 820 07	1 811 19	6 17	4 34	+161.09	17 01	-80.53	279.19	270.71	8.48	32,905		
2000.00       1,953.80       1,952.48       1,382.11       7.27       4.95       -157.39       34.80       -113.72       343.06       333.38       0.88       35.427         2,100.00       2,044.65       2,021.00       8.76       5.64       -157.39       346.06       137.20       365.65       376.01       10.57       36.561         2,000.00       2,1552       2,103.90       8.78       6.69       -150.36       6.061       -161.87       430.46       419.85       11.48       37.489         2,000.00       2,317.22       2,399.17       2,277.66       10.32       6.69       -150.96       86.42       -210.01       518.93       505.66       13.37       38.812         2,600.00       2,4465.92       2,447.52       2,447.41       11.87       7.33       -149.37       69.32       -234.09       658.41       649.07       14.43       33.208         2,000.00       2,656.87       2,617.22       1,34.4       8.99       -147.77       138.04       -306.31       697.44       68.15       17.30       40.359         3,000.00       2,656.87       2,617.22       1,34.4       8.99       -147.71       138.04       -306.31       697.44       68.15       17.30 </td <td></td>															
2,100.00       2,044.65       2,023.00       8.02       5.41       -155.24       47.70       -137.80       386.58       376.01       10.57       36.661         2,200.00       2,135.51       2,107.89       8.76       6.89       -153.82       60.61       -161.87       450.46       418.99       11.48       37.489         2,300.00       2,228.36       2,220.00       2,192.77       9.55       6.38       -152.12       73.51       -185.94       474.60       462.16       12.42       38.212         2,400.00       2,380.35       2,362.65       11.09       7.40       -149.97       99.32       -234.09       653.41       549.07       14.34       39.298         2,600.00       2,486.92       2,447.52       2,447.44       11.87       7.33       -149.13       112.23       -256.16       600.00       582.69       15.32       39.700         2,700.00       2,885.63       2,665.87       2,617.22       13.44       8.99       -147.77       138.04       -306.31       697.44       680.15       17.30       40.324         2,900.00       2,865.87       2,676.77       16.59       11.17       -146.28       196.64       -402.60       876.88       855.65       21															
2200.00         2,135.51         2,107.89         8.78         5.69         -153.52         60.61         -161.87         430.46         418.98         11.48         37.488           2,300.00         2,225.36         2,220.00         2,192.77         9.55         6.38         -152.12         73.51         -185.94         474.60         462.18         12.42         38.220           2,000.00         2,407.52         2,306.35         2,362.55         11.09         7.40         -149.97         99.32         -2340         653.41         540.66         592.69         15.32         39.298           2,000.00         2,487.52         2,447.52         2,447.52         2,447.52         2,447.44         11.67         7.33         -142.31         -262.23         652.68         656.38         16.30         40.037           2,000.00         2,860.63         2,665.87         2,617.22         13.44         8.99         147.71         136.04         -306.31         697.44         680.15         17.30         40.324           2,000.00         2,686.87         2,617.22         13.44         8.99         147.21         15.04         -303.31         697.44         680.15         17.30         40.324           2,000.00 <td></td>															
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									-161.87	430.46	418.98	11.48	37.488		
2,400.0       2,317.22       2,309.17       2,277.66       10.32       6.89       -150.96       86.42       -210.01       518.93       505.56       13.37       38.812         2,600.00       2,408.07       2,389.35       2,382.55       11.09       7.40       -149.97       99.32       -234.09       653.41       649.07       14.34       39.298         2,600.00       2,689.72       2,757.02       5.523.33       12.65       8.44       125.13       -282.23       652.68       656.38       16.30       40.037         2,600.00       2,680.63       2,665.87       2.617.22       13.44       8.99       -147.77       138.04       -306.31       697.44       680.15       17.30       40.324         2,900.00       2,771.49       2,755.05       2,702.10       14.22       9.53       -147.21       150.94       -330.38       742.26       723.96       18.30       40.760         3,000.00       2,882.34       2,844.22       2,786.99       15.01       10.08       -146.28       176.75       375.55       82.03       817.72       13.04       -300.40       969.41       22.34       41.266         3,000.00       3,134.90       3,111.74       3,041.66       17.38	26.3	26.36	2 220 00	2 192 77	9.55	6.38	-152.12	73.51	-185.94	474.60	462.18	12.42	38.220		
2,500.00       2,408.07       2,389.35       2,382.55       11.09       7,40       -149.97       99.32       -234.09       563.41       549.07       14.34       39.298         2,600.00       2,486.92       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,447.52       2,558.7       2,576.70       2,555.65       2,702.10       14.22       9,53       -147.77       138.04       -306.31       697.44       680.15       17.30       40.324         2,600.00       2,682.64       2,647.22       2,765.69       16.01       10.08       -146.72       163.85       -364.45       787.13       767.82       19.30       40.760         3,000.00       2,862.24       2,844.22       2,765.69       16.01       10.08       -146.28       176.75       -378.53       382.03       811.72       20.31       40.964         3,000.00       3,134.90       3,111.74       3,041.66       17.38       11.73       -145.53       202.56       426.67       821.95       99.861       22.34       41.265         3,400.00       3,211.74       3,041.66       17.3										518.93	505.56	13.37	38,812		
2,600,00       2,486,92       2,487,52       2,447,44       11,87       7,93       -149,13       112,23       -258,16       608,00       592,69       15,32       39,700         2,700,00       2,598,77       2,576,70       2,522,33       12,65       8,46       -148,41       125,13       -282,23       652,68       666,38       16,30       40,037         2,800,00       2,680,63       2,665,67       2,617,22       13,44       8,99       -147,77       138,04       -306,31       697,44       680,15       17,30       40,324         2,900,00       2,771,49       2,756,05       2,702,10       14,22       9,53       -147,21       150,94       -330,33       742,26       723,96       18,30       40,760         3,000,00       2,963,19       2,933,39       2,871,88       15,80       10,63       -146,28       176,75       -378,53       832,03       811,72       20,31       40,964         3,200,00       3,134,90       3,111,74       3,041,66       17,38       11,73       -145,53       202,56       -426,67       921,95       899,61       22,34       41,266         3,400,00       3,225,76       3,200,92       3,111,31       18,456       144,53       241,28<						7.40		99.32	-234.09	563.41	549.07	14.34	39,298		
2,700.00       2,599,78       2,576,70       2,532,33       12,65       8,46       -148,41       125,13       -282,23       652,68       636,38       16,30       40.037         2,800.00       2,680,63       2,661,72       13,44       8,99       -147,77       138,04       -306,31       697,44       680,15       17,30       40,324         2,900.00       2,771,49       2,755,05       2,702,10       14,22       9,53       -147,21       150,94       -330,38       742,26       723,96       18,30       40,569         3,000.00       2,862,34       2,844,22       2,766,99       15,01       10.08       -146,72       173,85       354,45       787,13       767,82       19,30       40,780         3,100.00       3,044,05       3,221,67       16,59       11,17       -146,28       176,75       376,53       582,03       611,72       20,31       40,964         3,000.00       3,131.90       3,111.74       3,041,65       17,38       11.73       -145,53       202,55       +26,67       921,95       896,51       22,34       41,266         3,000.00       3,211,47       3,046,44       3,312,7       2,265       1,46,27       450,74       966,95       943,59						7.93	-149.13	112.23	-258.16	608.00	592.69	15.32	39.700		
1,200.00       2,771.49       2,755.05       2,702.10       14.22       9.53       -147.21       150.94       -330.38       742.26       723.96       18.30       40.569         3,000.00       2,862.34       2,844.22       2,786.99       15.01       10.08       -146.22       163.85       -354.45       787.13       767.82       19.30       40.780         3,100.00       2,953.19       2,933.39       2,871.88       15.80       10.63       -146.22       176.75       -378.53       832.03       811.72       20.31       40.964         3,200.00       3,044.05       3,022.57       2,956.77       16.59       11.17       -145.83       120.56       -426.67       921.95       895.61       22.34       41.266         3,400.00       3,225.76       3,200.02       3,126.55       18.17       12.28       -144.520       215.47       -450.74       966.95       943.59       23.36       41.392         3,600.00       3,211.43       18.96       12.83       -144.491       228.37       474.82       1,011.86       975.59       24.38       41.503         3,700.00       3,498.32       3,468.44       3,381.21       20.55       13.95       -144.439       254.18       -522.						8,46		125.13	-282.23	652.68	636,38	16.30	40.037		
1,200.00       2,771.49       2,755.05       2,702.10       14.22       9.53       -147.21       150.94       -330.38       742.26       723.96       18.30       40.569         3,000.00       2,862.34       2,844.22       2,786.99       15.01       10.08       -146.72       163.85       -354.45       787.13       767.82       19.30       40.780         3,100.00       2,953.19       2,933.39       2,871.88       15.80       10.63       -146.22       176.75       -378.53       832.03       811.72       20.31       40.964         3,200.00       3,044.05       3,022.57       2,956.77       16.59       11.17       -145.88       189.66       -402.60       876.98       855.65       21.32       41.125         3,300.00       3,134.90       3,111.74       3,041.66       17.38       11.73       -144.52       215.47       -450.74       966.95       943.59       23.36       41.392         3,600.00       3,257.67       3,209.09       3,211.43       18.96       12.83       -144.53       241.28       -498.99       1,057.02       1,031.61       25.41       41.603         3,700.00       3,498.32       3,468.44       3,381.21       20.55       13.95       -1	80.4	80.63	2 665 87	2 617 22	13 44	8.99	-147 77	138.04	-306.31	697.44	680,15	17.30	40.324		
3,000.00       2,862,34       2,844,22       2,786,59       15.01       10.08       -146,72       163,85       -354,45       787,13       767,82       19.30       40,780         3,100.00       2,963,19       2,933,39       2,871,88       15.80       10.63       -146,28       176,75       -378,53       832.03       811.72       20.31       40.964         3,200.00       3,044,05       3,002,57       2,956,77       16.59       11.17       -145,88       189,66       -402,60       876,98       855,55       21.32       41.125         3,300.00       3,134,90       3,111,74       3,041,66       17.38       11.73       -145,53       202,56       +26,67       921,95       899,61       22.34       41.266         3,400.00       3,225,76       3,200,92       3,126,61       18.17       12.28       -144,53       241,28       1,011,98       987,59       24.38       41.392         3,600.00       3,407,47       3,370,27       3,286,32       19.75       13.39       -144,83       241,28       -88,89       1,075,65       26.43       41.692         3,700.00       3,407,47       3,557,61       3,466,10       21.34       14.61       -144,35       277.99       -57										742.26	723,96	18.30	40.569		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									-354.45	787.13	767.82	19.30	40.780		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									-378.53	832.03	811.72	20.31	40,964		
3,400.00       3,225,76       3,200.92       3,126,55       18.17       12.28       -145,20       215,47       450,74       966,95       943,59       23.36       41.392         3,500.00       3,316,61       3,290,09       3,211,43       18.96       12.83       -144,91       226,37       -474.82       1,011,98       967,59       24.38       41.503         3,600,00       3,407,47       3,370,27       3,296,32       19.75       13.39       -144,63       241,28       -498,89       1,057,02       1,031,61       25.41       41.603         3,700,00       3,498,32       3,468,44       3,381,21       20.55       13.95       -144.39       254.18       -522.96       1,102.08       1,075,65       26.43       41.692         3,800,00       3,680,03       3,646,79       3,550,99       22.13       15.07       -143,85       279,99       -571,11       1,19.70       27.46       41.773         3,900,00       3,861,74       3,625,14       3,720,76       23.72       16.19       -143,57       29.90       -595,18       1,237,35       1,207,83       29.52       41.914         4,000,00       3,871,74       3,656,55       24.52       16.75       -143,40       318.71									-402.60	876.98	855.65	21.32	41.125		
3,400.00       3,225,76       3,200.92       3,126,55       18.17       12.28       -145,20       215,47       450,74       966,95       943,59       23.36       41.392         3,500.00       3,316,61       3,290,09       3,211,43       18.96       12.83       -144,91       226,37       -474.82       1,011,98       967,59       24.38       41.503         3,600,00       3,407,47       3,370,27       3,296,32       19.75       13.39       -144,63       241,28       -498,89       1,057,02       1,031,61       25.41       41.603         3,700,00       3,498,32       3,468,44       3,381,21       20.55       13.95       -144.39       254.18       -522.96       1,102.08       1,075,65       26.43       41.692         3,800,00       3,680,03       3,646,79       3,550,99       22.13       15.07       -143,85       279,99       -571,11       1,19.70       27.46       41.773         3,900,00       3,861,74       3,625,14       3,720,76       23.72       16.19       -143,57       29.90       -595,18       1,237,35       1,207,83       29.52       41.914         4,000,00       3,871,74       3,656,55       24.52       16.75       -143,40       318.71		24.00	2 111 74	2 041 66	17 39	11 73	-145 53	202 56	-426 67	921 95	899.61	22 34	41,266		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$															
3,600.00       3,407,47       3,379.27       3,296.32       19,75       13.39       -144.63       241.28       -498.89       1,057.02       1,031.61       25.41       41.603         3,700.00       3,498.32       3,468.44       3,381.21       20.55       13.95       -144.39       254.18       -522.96       1,102.08       1,075.65       26.43       41.692         3,800.00       3,589.17       3,557.61       3,466.10       21.34       14.51       -144.16       287.09       -547.04       1,147.16       1,119.70       27.46       41.773         3,900.00       3,680.03       3,646.79       3,550.99       22.13       15.07       -143.95       279.99       -571.11       1,192.25       1,163.76       28.49       41.847         4,000.00       3,770.88       3,735.56       3,655.87       22.93       15.63       -143.75       292.90       -595.18       1,237.35       1,207.83       29.52       41.914         4,100.00       3,817.4       3,805.65       24.52       16.75       -143.40       318.71       -643.33       1,327.58       1,295.99       31.59       42.030         4,200.00       3,952.59       3,914.31       3,805.65       24.52       16.75       -143.4															
3,700.00         3,498,32         3,468,44         3,381.21         20.55         13,95         -144.39         254.18         -522.96         1,102.08         1,075.65         26.43         41.692           3,800.00         3,589,17         3,557,61         3,466,44         3,381.21         20.55         13,95         -144.39         254.18         -522.96         1,102.08         1,075.65         26.43         41.692           3,800.00         3,580,03         3,646,79         3,550.99         22.13         15.07         -143.95         279.99         -571.11         1,192.25         1,163.76         28.49         41.847           4,000.00         3,770.88         3,735.96         3,635.87         22.93         15.63         -143.75         292.90         -595.18         1,237.35         1,207.83         29.52         41.914           4,100.00         3,881.74         3,825.14         3,720.76         23.72         16.19         -143.57         305.80         -619.26         1,262.46         1,251.91         30.55         41.974           4,200.00         3,952.59         3,914.31         3,805.65         24.52         16.75         -143.40         318.71         -643.33         1,327.78         1,295.99         31.59															
3,900.00       3,680.03       3,646.79       3,550.99       22.13       15.07       -143.95       279.99       -571.11       1,192.25       1,163.76       28.49       41.847         4,000.00       3,770.88       3,735.96       3,635.87       22.93       15.63       -143.75       292.90       -595.18       1,237.35       1,207.83       29.52       41.914         4,100.00       3,861.74       3,825.14       3,720.76       23.72       16.19       -143.57       305.80       -619.26       1,282.46       1,251.91       30.55       41.974         4,200.00       3,952.59       3,914.31       3,805.65       24.52       16.75       -143.40       318.71       -643.33       1,327.58       1,295.99       31.59       42.080         4,300.00       4,043.44       4,004.99       3,891.97       25.31       17.31       -143.24       331.82       -667.79       1,372.71       1,340.09       32.62       42.083         4,400.00       4,134.30       4,108.21       3,990.74       26.11       17.81       -143.14       345.99       -694.22       1,417.31       1,383.71       33.60       42.186         4,500.00       4,225.15       4,212.48       4,091.30       26.90       18													41.692		
3,900.00       3,680.03       3,646.79       3,550.99       22.13       15.07       -143.95       279.99       -571.11       1,192.25       1,163.76       28.49       41.847         4,000.00       3,770.88       3,735.96       3,635.87       22.93       15.63       -143.75       292.90       -595.18       1,237.35       1,207.83       29.52       41.914         4,100.00       3,861.74       3,825.14       3,720.76       23.72       16.19       -143.57       305.80       -619.26       1,282.46       1,251.91       30.55       41.974         4,200.00       3,952.59       3,914.31       3,805.65       24.52       16.75       -143.40       318.71       -643.33       1,327.58       1,295.99       31.59       42.080         4,300.00       4,043.44       4,004.99       3,891.97       25.31       17.31       -143.24       331.82       -667.79       1,372.71       1,340.09       32.62       42.083         4,400.00       4,134.30       4,108.21       3,990.74       26.11       17.81       -143.14       345.99       -694.22       1,417.31       1,383.71       33.60       42.186         4,500.00       4,225.15       4,212.48       4,091.30       26.90       18	580	80 47	3 557 04	3 466 40	24 24	11 51	-144 16	287 00	-547 04	1,147,16	1,119.70	27.46	41.773		
4,000.00         3,770.88         3,735.86         3,635.87         22.93         15.63         -143.75         292.90         -595.18         1,237.35         1,207.83         29.52         41.914           4,000.00         3,861.74         3,825.14         3,720.76         23.72         16.19         -143.57         305.80         -619.26         1,262.46         1,251.91         30.55         41.974           4,200.00         3,952.59         3,914.31         3,805.85         24.52         16.75         -143.40         318.71         -643.33         1,327.58         1,295.99         31.59         42.030           4,300.00         4,043.44         4,004.99         3,891.97         25.31         17.31         -143.24         331.82         -667.79         1,372.71         1,340.09         32.62         42.083           4,400.00         4,134.30         4,108.21         3,990.74         26.11         17.81         -143.14         345.99         -694.22         1,417.31         1,383.71         33.60         42.186           4,500.00         4,228.15         4,212.48         4,091.30         26.90         18.28         -143.16         359.02         -718.52         1,461.02         1,426.48         34.53         42.308															
4,100.00       3,861.74       3,720.76       23.72       16.19       -143.57       305.80       -619.26       1,282.46       1,251.91       30.55       41.974         4,200.00       3,952.59       3,914.31       3,805.85       24.52       16.75       -143.40       318.71       -643.33       1,327.58       1,295.99       31.59       42.030         4.300.00       4,043.44       4,004.99       3,891.97       25.31       17.31       -143.24       331.82       -667.79       1,372.71       1,340.09       32.62       42.083         4,400.00       4,134.30       4,108.21       3,990.74       26.11       17.81       -143.14       345.99       -694.22       1,417.31       1,383.71       33.60       42.186         4,500.00       4,225.15       4,212.48       4,091.30       26.90       18.28       -143.16       359.02       -718.52       1,461.02       1,426.48       34.53       42.308         4,600.00       4,316.01       4,317.67       4,193.46       27.70       18.71       -143.29       370.84       -740.58       1,503.83       1,468.40       35.43       42.451															
4,200.00       3,952.59       3,914.31       3,805.85       24.52       16.75       -143.40       318.71       -643.33       1,327.58       1,295.99       31.59       42.030         4,300.00       4,043.44       4,004.99       3,891.97       25.31       17.31       -143.24       331.82       -667.79       1,372.71       1,340.09       32.62       42.083         4,400.00       4,134.30       4,108.21       3,990.74       26.11       17.81       -143.14       345.99       -694.22       1,417.31       1,383.71       33.60       42.186         4,500.00       4,225.15       4,212.48       4,091.30       26.90       18.28       -143.16       359.02       -718.52       1,461.02       1,426.48       34.53       42.308         4,600.00       4,316.01       4,317.67       4,193.46       27.70       18.71       -143.29       370.84       -740.58       1,503.83       1,468.40       35.43       42.451															
4,300.00 4,043,44 4,004.99 3,891.97 25.31 17.31 -143.24 331.82 -667.79 1,372.71 1,340.09 32.62 42.063 4,400.00 4,134.30 4,108.21 3,990.74 26.11 17.81 -143.14 345.99 -694.22 1,417.31 1,383.71 33.60 42.186 4,500.00 4,225.15 4,212.48 4,091.30 26.90 18.28 -143.16 359.02 -718.52 1,461.02 1,426.48 34.53 42.308 4,600.00 4,316.01 4,317.67 4,193.46 27.70 18.71 -143.29 370.84 -740.58 1,503.83 1,468.40 35.43 42.451													42.030		
4,400.00 4,134.30 4,108.21 3,990.74 26.11 17.81 -143.14 345.99 -694.22 1,417.31 1,383.71 33.60 42.186 4,500.00 4,225.15 4,212.48 4,091.30 26.90 18.28 -143.16 359.02 -718.52 1,461.02 1,426.48 34.53 42.308 4,600.00 4,316.01 4,317.67 4,193.46 27.70 18.71 -143.29 370.84 -740.58 1,503.83 1,468.40 35.43 42.451									007 70	1 070 7-	1 940.00		42.082		
4,500.00 4,225.15 4,212.48 4,091.30 26.90 18.28 -143.16 359.02 -718.52 1,461.02 1,426.48 34.53 42.308 4,600.00 4,316.01 4,317.67 4,193.46 27.70 18.71 -143.29 370.84 -740.58 1,503.83 1,468.40 35.43 42.451															
4,600.00 4,316.01 4,317.67 4,193.46 27.70 18.71 -143.29 370.84 -740.58 1,503.83 1,468.40 35.43 42.451															
Honoran Heinen Heinen Tunn hin-															
4,700.00 4,406,86 4,423.62 4,297.02 28.50 19.11 -143.53 381.40 -760.28 1,545.75 1,509.48 36.27 42.617								370.84 381.40	-740.58						
4,800.00 4,497.71 4,530.18 4,401.76 29.29 19.47 -143.86 390.65 -777.53 1,586.78 1,549.71 37.07 42.810															

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# **BILL BARRETT CORPORATION**

Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16	242 (N 2 1 N 11)
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)	
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)	
Site Error:	0.00ft	North Reference:	True	
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature	
Well Error:	0.00ft	Output errors are at	2.00 sigma	
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass	
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum	
an a	1991 - Anna Andrika, ann an		na na sana ana ana ana ana ana ana ana a	

Offset De Survey Prog			N 26 T12	S R16E - F	PETERS	POINT UF 1	3-26D-12-16 -	PT PT 13-;	26-12-16 -	Design #1			Offset Site Error: Offset Well Error:	0.00 ft 0.00 ft
Refe	rence	Offse	<b>t</b>	Semi Major	Axis			anger af bes	Dist	ince			Charles Church	0.001
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbor	e Centre	Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
4,900.00	4,588.57	4.637.18	se estimated an	2019년 1월 21일 - 21일 21일 21일 - 21일 - 21일 21일 - 21일	an Addisor	e de la constantin de la constante de la const	1. 1. 102.16 2. 17 1 K. 1. 2		영민 강강한 환경		2011 (J. 2022) - 58 (J.	a na stàir air à s	e nifnett standel andered	ethe se fe
4,900.00		4,537.18	4,507.45 4,612.74	30.09 30,88	19.79 20.07	-144.28 -144.78	398.55	-792.25	1,626.94	1,589.13	37.81	43.031		
5,000.00		4,744.46	4,613.84	30,89	20.07	-144.78	404.99 405.05	-804.28 -804.39	1,665.88	1,627.38 1,627,78	38.49 38.50	43.280 43.281		
5,100.00		4,852.87	4,721.70	31.48	20.32	-145.88	405.05	-813.98	1,703.12	1,627.78	39.20	43.201		
5,200.00		4,963,13	4,831.67	32.03	20.53	-146.87	413.93	-820.96	1,735.72	1,695.94	39.83	43,576		
5,300.00		5,074.93	4,943.37	32.53	20.33	-147.77	416.19	-825.17	1,764.13	1,723.76	40.37	43.697		
5,400.00	5,055.60	5,187.18	5,055.60	32,97	20.83	-148.58	416.91	-826.51	1,788.11	1.747.50	40.61	44.032		
5,500.00	5,152.87	5,284.45	5,152.87	33.36	20.94	-149.23	416.91	-826.51	1,808.12	1,767.10	41.02	44.079		
5,600.00	5,251.05	5,382.63	5,251.05	33.69	21.05	-149,74	416.91	-826,51	1,824.52	1,783.14	41.38	44.096		
5,700.00	5,349.96	5,481.54	5,349.96	33.96	21.17	-150,13	416.91	-826.51	1,837.22	1,795.55	41.67	44.085		
5,800.00	5,449.42	5,581.00	5,449.42	34.18	21.29	-150.40	416.91	-826.51	1,846.19	1,804.28	41.92	44.046		
5,900.00	5,549.23	5,680.81	5,549.23	34.33	21.41	-150.55	416.91	-826.51	1,851.38	1,809.29	42.10	43.978		
5,986.79	5,636.00	5,767.58	5,636.00	34.41	21.52	-134.52	416.91	-826.51	1,852.81	1,810.69	42.13	43.983		
6,000.00	5,649,21	5,780.79	5,649.21	34.42	21.53	-134.52	416.91	-826.51	1,852.81	1,810,66	42.16	43.950		
6,100.00	5,749.21	5,880.79	5,749.21	34.49	21.66	-134.52	416.91	-826.51	1,852.81	1,810.41	42.40	43.694		
6,200.00	5,849.21	5,980,79	5,849,21	34.57	21.78	-134.52	416.91	-826.51	1,852.81	1,810.16	42.65	43.438		
6,300.00	5,949.21	6,080.79	5,949.21	34.64	21.91	-134.52	416.91	-826.51	1,852.81	1,809.91	42.91	43.182		
6,400.00	6,049.21	6,180.79	6,049.21	34.72	22.04	-134.52	416.91	-826.51	1,852.81	1,809.65	43.16	42.925		
6,500.00	6,149.21	6,280.79	6,149.21	34.80	22.17	-134.52	416.91	-826.51	1,852.81	1,809.39	43.42	42.669		
6,600.00	6,249.21	6,380.79	6,249.21	34.88	22.30	-134.52	416.91	-826.51	1,852.81	1,809.13	43.69	42.413		
6,700.00	6,349.21	6,480,79	6,349.21	34.96	22.44	-134.52	416.91	-826.51	1,852.81	1,808.86	43.95	42.156		
6,800.00	6,449,21	6,580.79	6,449.21	35.04	22.57	-134.52	416.91	-826.51	1,852.81	1,808.60	44.22	41.900		
6,900.00	6,549.21	6,680.79	6,549.21	35.13	22.71	-134.52	416.91	-826.51	1,852.81	1,808.32	44.49	41.645		
7,000.00	6,649.21	6,780.79	6,649.21	35.21	22.85	-134.52	416.91	-826.51	1,852.81	1,808.05	44.77	41.389		
7,100.00		6,880.79	6, <b>749.</b> 21	35,30	22.99	-134.52	416.91	-826.51	1,852.81	1,807.77		41.135		
7,200.00	6,849.21	6,980.79	6,849.21	35.38	23.13	-134.52	416.91	-826.51	1,852.81	1,807.49	45.32	40.881		
7,300.00	6,949.21	7,080.79	6,949.21	35.47	23.27	-134.52	416.91	-826.51	1,852.81	1,807.21	45.60	40.628		
7,400.00	7,049.21	7,180.79	7,049.21	35,56	23.41	-134.52	416.91	-826.51	1,852.81	1,806.92	45.89	40.375		
7,500.00	7,149.21	7,280.79	7,149.21	35.65	23.56	-134.52	416.91	-826.51	1,852.81	1,806.64	46.18	40.123		
7,600.00	7,249.21	7,380.79	7,249.21	35.74	23,71	-134.52	416.91	-826.51	1,852.81	1,806.35	46.47	39.873		
7,700.00	7,349.21	7,480.79	7,349.21	35.84	23,85	-134.52	416.91	-826.51	1,852.81	1,806.05	46.76	39.623		
7,800.00	7,449.21	7,580.79	7,449.21	35.93	24.00	-134.52	416.91	-826.51	1,852.81	1,805.76	47.06	39.374		
7,858.79	7,508.00	7,639.58	7,508.00	35.99	24.09	-134.52	416.91	-826.51	1,852.81	1,805.58	47.23	39,229		



Anticollision Report

Company:	BILL BARRETT CORP	Local Go-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

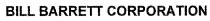
rvey Progr Refere	122220020000000000000000000000000000000	Offsi	at	Semi Major	Axis				Dista	nce			Offset Well Error:	0.00
asured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Weilbore	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ff)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
0.00	0.00	0.00	0.00	0.00	0.00	164.65	-45.54	12.50	47.22	1	n an higher a grun		range en graaf eare	
100.00	100.00	100.00	100.00	0,10	0.10	164.65	-45.54	12,50	47.22	47.03	0.19	247.168		
200.00	200.00	200.00	200.00	0.32	0.32	164.65	-45.54	12.50	47.22	46.58	0.64	73.717		
250.00	250.00	250.00	250.00	0,43	0.43	164.65	-45.54	12.50	47.22	46.36	0.87	54.570 CC,	ES	
300.00	300.00	299.97	299.96	0.55	0.54	148.33	-45.44	12.92	47.61	46.52	1.09	43.824		
400.00	399.93	399.81	399.74	0.78	0.76	146.43	-44.64	16.31	50.75	49.21	1.53	33,109		
500.00	499.68	499.37	499.06	1.01	0.99	143.27	-43.04	23.05	57.15	55.15	2.00	28,588		
600.00	599.30	598.98	598.29	1.26	1.24	140.25	-41.04	31.50	65.33	62.85	2.47	26.397		
700.00	698.92	698.60	697.52	1.52	1.50	137.91	-39.04	39.95	73.65	70.69	2.96	24.875		
800.00	798,54	798.21	796.76	1.78	1.77	136.04	-37.04	48.40	82.07	78.62	3.45	23.766		
900.00	898.16	897.82	895.99	2.05	2.03	134.53	-35.05	56.85	90,56	86.61	3.95	22.926		
1,000.00	997.78	997.43	995.22	2.31	2.30	133.27	-33.05	65,30	99.10	94.65	4.45	22.272		
1,062.46	1,060.00	1,059.65	1,057,20	2.48	2.47	132.59	-31.80	70.57	104.46	99.69	4.76	21,932		
1,100.00	1,097.37	1,096.53	1,093.92	2.58	2.57	132.14	-31.00	73.95	107.97	103.02	4.95	21.800 SF		
1,200.00	1,196.58	1,194.17	1,190.81	2.88	2.87	130.78	-28.23	85.65	120.27	114.78	5.49	21.914		
1,300.00	1,295.14	1,290.90	1,285.20	3.22	3.21	129.29	-24.56	101.18	136.83	130.75	6.07	22.535		
1,400.00	1,392.88	1,386.46	1,379.71	3.62	3.59	127.81	-20.02	120.37	157.60	150.89	6.71	23.485		
1,500.00	1,489.61	1,480.64	1,470.97	4.07	4.02	126.41	-14.67	142.97	182.51	175.10	7.41	24.619		
1,600.00	1,585.13	1,573.24	1,559.69	4.58	4.51	125.11	-8.58	168.73	211.45	203.27	8.19	25.833		
1,700.00	1,679.28	1,664.07	1,645.62	5.16	5.05	123.89	-1.80	197.36	244.30	235.26	9.04	27.037		
1,800.00	1,771.87	1,752.98	1,728.54	5.81	5.64	122.74	5.58	228.59	280.92	270.96	9.96	28,207		
1,850.28	1,817.77	1,796.93	1,769.05	6.17	5.95	122.19	9.50	245.17	300.71	290.26	10.45	28.785		
1,900.00	1,862.95	1,839.97	1,808.39	6.53	6.29	122.04	13.52	262.13	320,90	309.92	10,98	29.231		
2,000.00	1,953.80	1,925.49	1,885,58	7.27	6.98	121.41	21.99	297.97	362.58	350.51	12.07	30.031		
2,100.00	2,044.65	2,015.37	1,965.84	8.02	7.76	120.61	31.31	337.33	405.15	391.90	13.25	30,582		
2,200.00	2,135.51	2,105.72	2,046.52	8.78	8.56	119.95	40.67	376.92	447.77	433.32	14.44	31.002		
2,300.00	2,226.36	2,196.08	2,127.20	9.55	9.38	119.41	50.04	416.50	490.42	474.77	15.66	31.327		
2,400.00	2,317.22	2,286,43	2,207.88	10.32	10.20	118.95	59.40	456.09	533.11	516.23	16.88	31.583		
2,500.00	2,408.07	2,376.79	2,288.56	11.09	11.03	118.56	68.76	495.67	575.83	557.71	18.11	31.788		
2,600.00	2,498.92	2,467.14	2,369.24	11.87	11.87	118.23	78.13	535.26	618.56	599.20	19.36	31.955		
2,700.00	2,589.78	2,557.50	2,449.92	12.65	12.71	117.94	87.49	574.84	661.31	640.70	20.61	32.092		
2,800.00	2,680.63	2,647.85	2,530.60	13.44	13.55	117.68	96.86	614.43	704.07	682.21	21.86	32.206		
2,900.00			2,611.28	14.22	14.39	117.45	106.22	654.01	746.84	723.72	23.12	32.302		
3,000.00	2,862.34	2,828.56	2,691.96	15.01	15.24	117.25	115.58	693.60	789.61	765.23	24.38	32.383		
3,100.00	2,953.19	2,918.92	2,772.64	15.80	16.09	117.07	124.95	733.18	832.40	806.75	25.65	32.452		
3,200.00	3,044.05	3,009.27	2,853.33	16.59	16.94	• 116.91	134.31	772.77	875.19	848.27	26.92	32.512		
3,300.00	3,134.90	3,099.63	2,934.01	17.38	17.79	116.76	143.68	812.35	917.99	889.80	28.19	32.564		
3,400.00				18.17	18.65	116.62	153.04	851.93	960.79	931.32	29,46	32.608		
3,500.00	3,316.61	3,280.34	3,095.37	18.96	19.50	116.50	162.40	891.52	1,003.59	972.85	30.74	32.647		
3,600.00					20.36	116.39	171.77	931.10	1,046.40	1,014.39				
3,700.00	3,498.32	3,461.05	3,256.73	20.55	21.21	116.28	181.13	970.69	1,089.22	1,055.92	33.30	32.712		
3,800.00	3,589.17	3,551.40	3,337.41	21.34	22.07	116.18	190.50	1,010.27	1,132.03	1,097.45	34.58	32.739		
3,900.00						116.09	199.86	1,049.86	1,174.85	1,138.99	35.86	32.764		
4,000.00					23,78	116.01	209.23	1,089.44	1,217.67	1,180.53	37.14	32.785		
4,100.00				23.72	24.64	115.93	218.59	1,129.03	1,260.49	1,222.06	38.42			
4,200.00	3,952.59	3,912.82	3,660.13	24.52	25.50	115.86	227,95	1,168.61	1,303.31	1,263.60	39.71	32.822		
4,300.00	) 4,043.44	4,003.18	3,740.81	25,31	26.36	115.79	237.32	1,208.20	1,346.14	1,305.14	40.99	32.838		
4,400.00							246.68	1,247.78	1,388.96					
4,500.00							256.05	1,287.37	1,431.79					
4,600.00							265.41	1,326.95	1,474.62	1,429.77	44.85	32.877		
4,700.00						115.56	274.77	1,366.53	1,517.45	1,471.31	46.14	32.888		
4,800.00	0 4,497.7	1 4,454.95	4,144.22	29.29	30.66	115.51	284.14	1,406.12	1,560.28	1,512.85	47.43	32.897		

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**Bill Barrett Corporation** 



Anticollision Report

Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset De urvey Prog	Section Contraction	hilling at some subserve	N 20 112	3 K 10E - F	EIEROI		5-26D-12-16 -	FIFI 13-2				a de la comercia de l	Offset Site Error: Offset Well Error:	0.00 ft 0.00 ft
Refer	ence	Offse		Semi Major					Dista	Sector States				
leasured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellborg	and the second	Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
4,900.00	4,588.57	4,545.31	4,224.90	30.09	31.52	115.46	293.50	1,445.70	1,603.11	1,554.39	48.72	32.906		
4,998.96	4,678.48	4,634.72	4,304.74	30.88	32.38	115.42	302.77	1,484.88	1,645.50	1,595.51	49.99	32.915		
5,000.00	4,679.42	4,635.66	4,305.58	30.89	32.38	115.43	302.87	1,485.29	1,645.94	1,595.93	50.01	32.913		
5,100.00	4,771.18	4,726.37	4,386.58	31.48	33.25	116.35	312.27	1,525.03	1,687.90	1,636.49	51.41	32.831		
5,200.00	4,864.58	4,817.66	4,468.09	32.03	34.12	117.07	321.73	1,565.02	1,728.11	1,675.34	52.77	32,748		
5,300.00	4,959.45	4,935.66	4,573.88	32.53	35.14	117.53	333.76	1,615.88	1,766.25	1,712.07	54.17	32.604		
5,400.00	5,055.60	5,092.44	4,718.02	32.97	36.22	117.78	347.94	1,675.82	1,799.85	1,744.29	55.55	32.399		
5,500.00	5,152.87	5,255.18	4,871.73	33,36	37.13	118.01	360.22	1,727.75	1,828.13	1,771.37	56.76	32.209		
5,600.00	5,251.05	5,423.03	5,033.81	33.69	37.88	118.23	370.23	1,770.04	1,850.81	1,793.03	57.78	32.031		
5,700.00	5,349.96	5,594.88	5,202.61	33.96	38.45	118.44	377.62	1,801.28	1,867.67	1,809.07	58.60	31.870		
5,800.00	5,449.42	5,769.45	5,376.03	34.18	38.82	118.66	382.12	1,820.31	1,878.54	1,819.33	59.21	31.729		
5,900.00	5,549.23	5,942.81	5,549.23	34.33	39.01	118.88	383.57	1,826.45	1,883.30	1,831.93	51.38	36.657		
5,986.79		6,029.58	5,636.00	34.41	39.07	135.01	383.57	1,826.45	1,884.10	1,832.60	51.49	36.588		
6,000.00		6,042.79	5,649.21	34.42	39.08	135.01	383.57	1,826.45	1,884.10	1,832.57	51.52	36,568		
6,100.00	5,749.21	6,142.79	5,749.21	34.49	39.15	135.01	383.57	1,826.45	1,884.10	1,832.36	51.74	36.414		
6,200.00	5,849.21	6,242.79	5,849.21	34.57	39.22	135.01	383.57	1,826.45	1,884,10	1,832.13	51,96	36.259		
6,300.00	5,949.21	6,342.79	5,949.21	34.64	39.29	135.01	383.57	1,826.45	1,884.10	1,831.91	52,19	36.102		
6,400.00	6,049.21	6,442.79	6,049.21	34.72	39.36	135.01	383,57	1,826.45	1,884.10	1,831.68	52.41	35.946		
6,500.00	6,149.21	6,542.79	6,149.21	34.80	39.43	135.01	383.57	1,826.45	1,884.10	1,831.45	52.65	35.789		
6,600.00	6,249.21	6,642.79	6,249.21	34.88	39.51	135.01	383.57	1,826.45	1,884,10	1,831.22	52.88	35.631		
6,700.00	6,349.21	6,742.79	6,349.21	34.96	39.58	135.01	383.57	1,826.45	1,884.10	1,830.98	53.11	35.473		
6,800.00	6,449.21	6,842.79	6,449.21	35.04	39.66	135.01	383.57	1,826.45	1,884.10	1,830.74	53,35	35.314		
6,900.00	6,549.21	6,942.79	6,549.21	35,13	39.74	135.01	383.57	1,826.45	1,884.10	1,830.50	53.59	35.155		
7,000.00		7,042.79	6,649.21	35.21	39.82	135.01	383.57	1,826.45	1,884.10	1,830.26	53.84	34.996		
7,100.00	6,749.21	7,142.79	6,749.21	35.30	39.90	135.01	383.57	1,826.45	1,884.10	1,830.01				
7,200.00	6,849.21	7,242.79	6,849.21	35.38	39.98	135.01	383.57	1,826.45	1,884.10	1,829.76	54.33	34.677		
7,300.00	6,949.21	7,342.79	6,949.21	35.47	40.06	135.01	383.57	1,826.45	1,884.10	1,829.51	54.58	34.517		
7,400.00	7,049.21	7,442.79	7,049.21	35.56	40.14	135.01	383.57	1,826.45	1,884.10	1,829.26	54.84	34.357		
7,500.00	7,149.21	7,542.79	7,149.21	35.65	40.23	135.01	383.57	1,826.45	1,884.10	1,829.00	55.09	34.197		
7,600.00	7,249.21	7,642.79	7,249.21	35.74	40.31	135.01	383.57	1,826.45	1,884.10	-				
7,700.00	7,349.21	7,742.79	7,349.21	35,84	40.40	135.01	383.57	1,826.45	1,884.10	1,828.48	55.61	33.878		
7,800.00	0 7,449.21	7,842.79	7,449.21	35.93	40.49	135.01	383.57	1,826.45	1,884.10	1,828.22	2 55.88	33.718		
7.858.7			7,508.00				383.57	1,826.45	1,884,10	1,828.08	56.03	33,625		

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**Bill Barrett Corporation** 

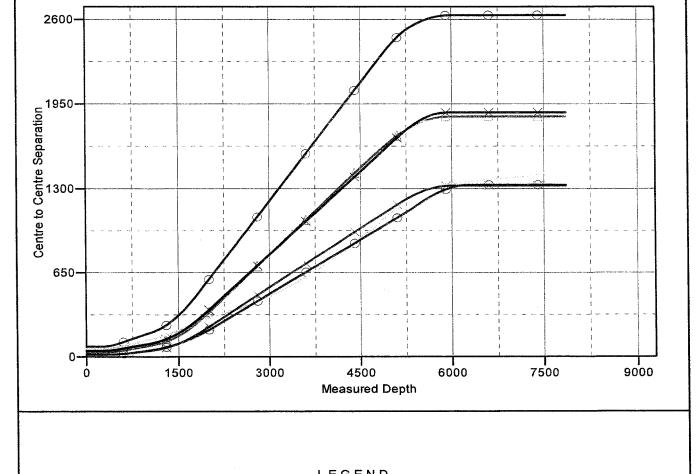
Stand Lands



# **BILL BARRETT CORPORATION**

Anticollision Report

Reference Depths are	relative to WELL @ 7177.00ft (Original Well Elev	Coordinates are relative to: PETER	S POINT UF 11-26D-12-16
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass
Reference Well: Well Error:	PETERS POINT UF 11-26D-12-16 0.00ft	Survey Calculation Method: Output errors are at	Minimum Curvature 2.00 sigma
Site Error:	0.00ft	North Reference:	True
Project: Reference Site:	CARBON COUNTY, UT (NAD 27)	TVD Reference: MD Reference:	WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)
Sompany:	ing a final second s	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16



## LEGEND

 PETERS POINT UF 1: PETERS POINT UF 1:



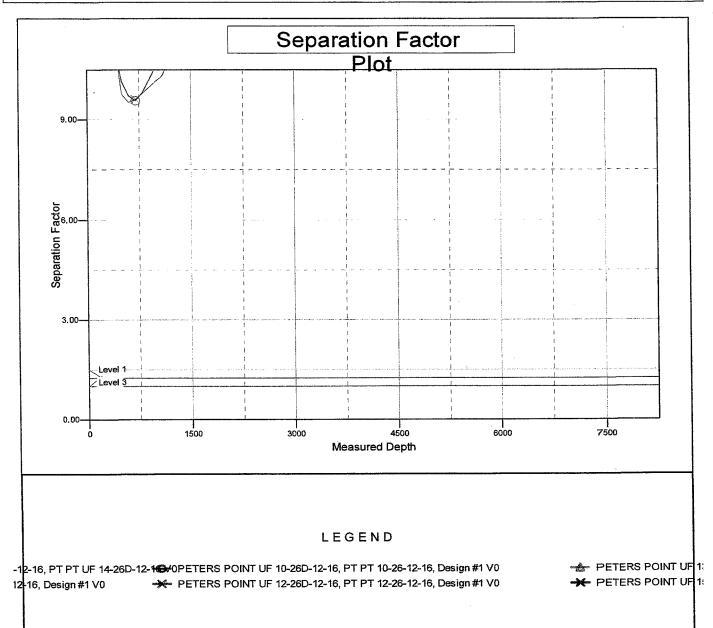
# **BILL BARRETT CORPORATION**

Anticollision Report

Offset Depths are rela	tive to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302					
Reference Depths are	relative to WELL @ 7177.00ft (Original Well Elev	Coordinates are relative to: PETERS POINT UF 11-26D-12-16					
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum     Set Set Set Set Set Set Set Set Set				
Reference Wellbore	PT PT 11-26-12-16	Database:	Compass				
Well Error:	0.00ft	Output errors are at	2.00 sigma				
Reference Well:	PETERS POINT UF 11-26D-12-16	Survey Calculation Method:	Minimum Curvature				
Site Error:	0.00ft	North Reference:	True				
Reference Site:	SECTION 26 T12S R16E	MD Reference:	WELL @ 7177.00ft (Original Well Elev)				
Project:	CARBON COUNTY, UT (NAD 27)	TVD Reference:	WELL @ 7177.00ft (Original Well Elev)				
Company:	BILL BARRETT CORP	Local Co-ordinate Reference:	Well PETERS POINT UF 11-26D-12-16				

Central Meridian is 111° 30' 0.0000 W °

Coordinate System is US State Plane 1 Grid Convergence at Surface is: 0.90°



#### 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:

#### <u>Annular Preventer</u>

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

At a minimum the above pressure test will be performed:

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

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

#### **Blow-Out** Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirments 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 therea fter. 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 PRICKLY PEAR UNIT FEDERAL #3-35D-12-16, #15-26D-12-16, #13-26D-12-16, #11-26D-12-16, #12-26D-12-16 & #10-26D-12-16 SECTION 26, T12S, R16E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 31.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; AND PROCEED IN A SOUTHEASTERLY DIRECTION TURN LEFT APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 100' TO THE EXISTING ACCESS TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY. THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE LOCATION.

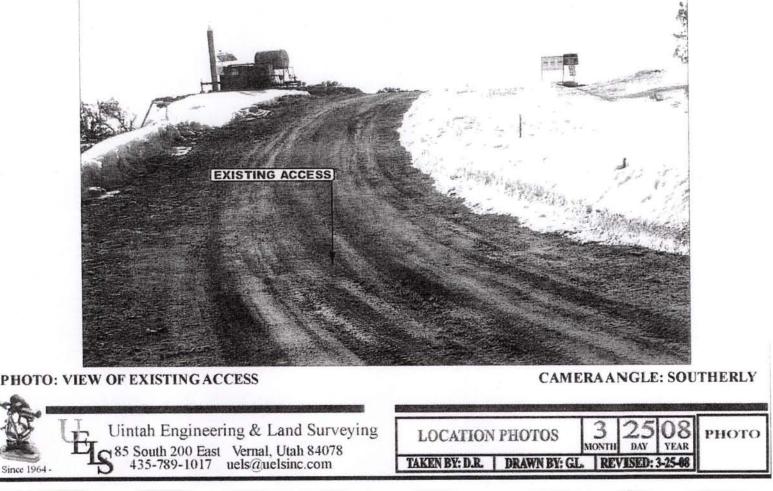
TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.5 MILES.

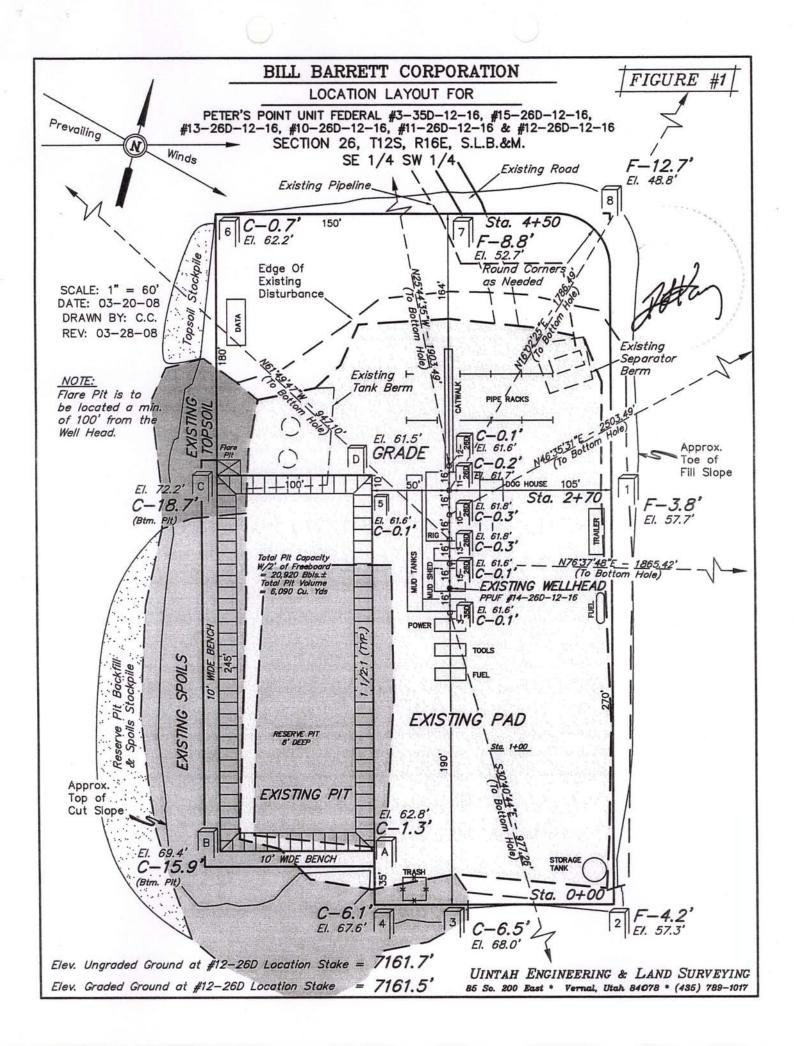
H15-26D-12-16, #13-26D-12-16, #11-26D-12-16, #12-26D-12-16 & #12-26D-12-16 BECTION 26, T125, RIGE, SLIB&M.

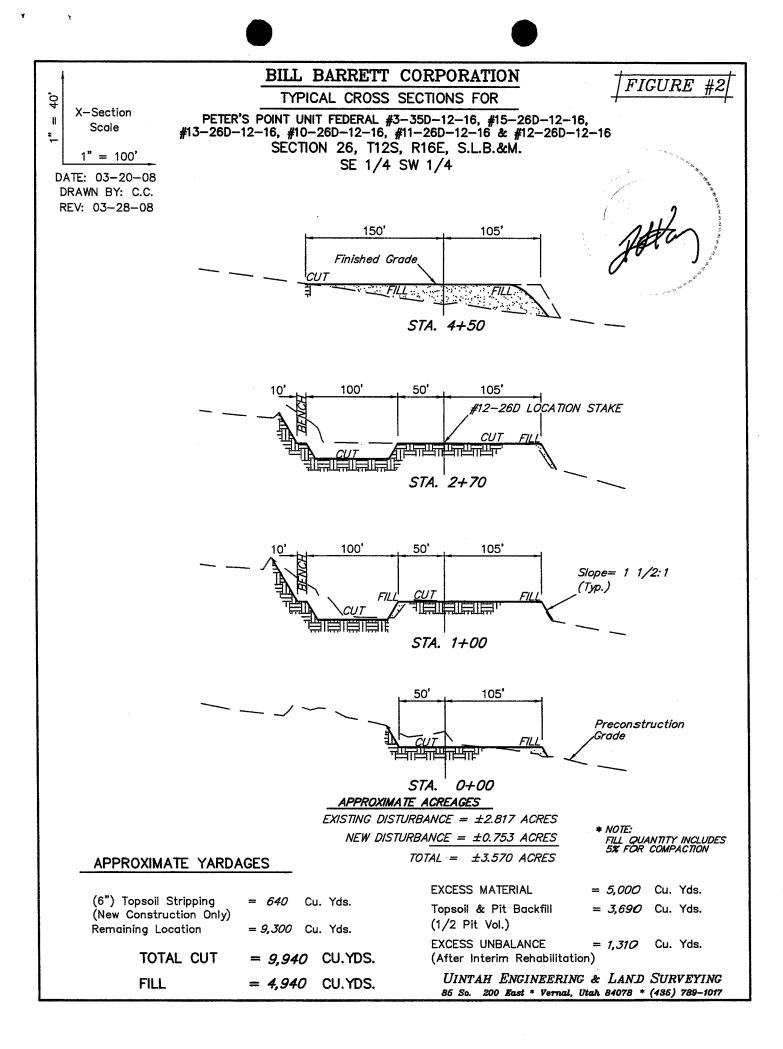
BILL BARRETT CORPORATION PETERS POINT UNIT FEDERAL #3-35D-12-16,

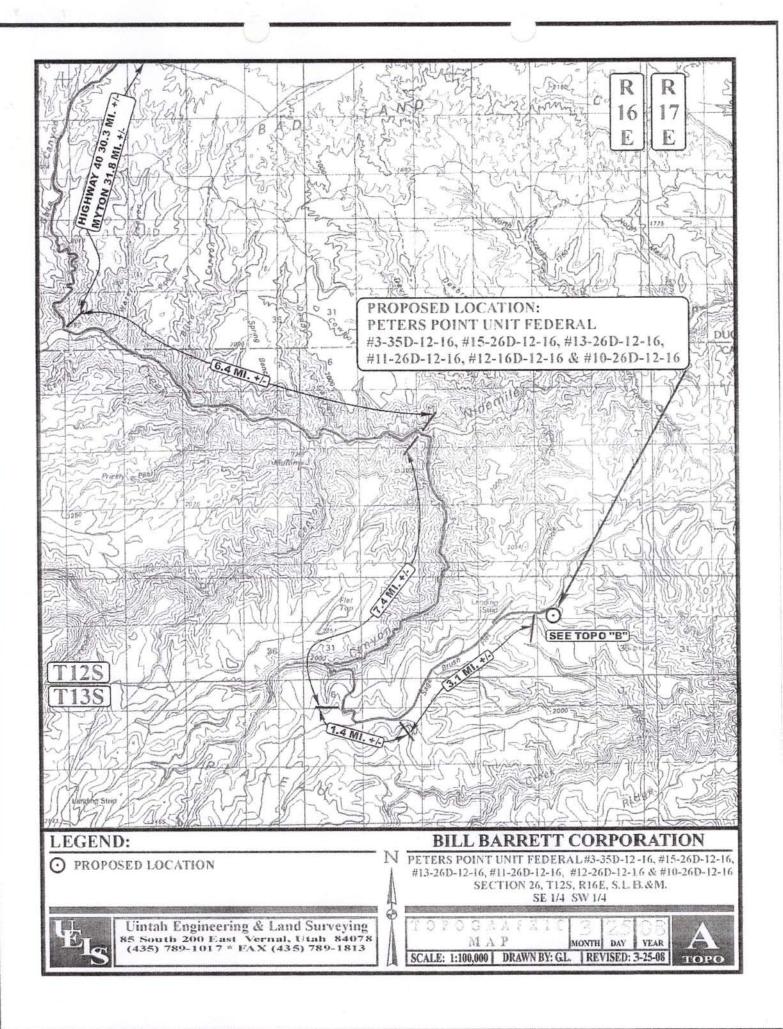
PHOTO: VIEW FROM LOCATION STAKES TO CORNER # 5

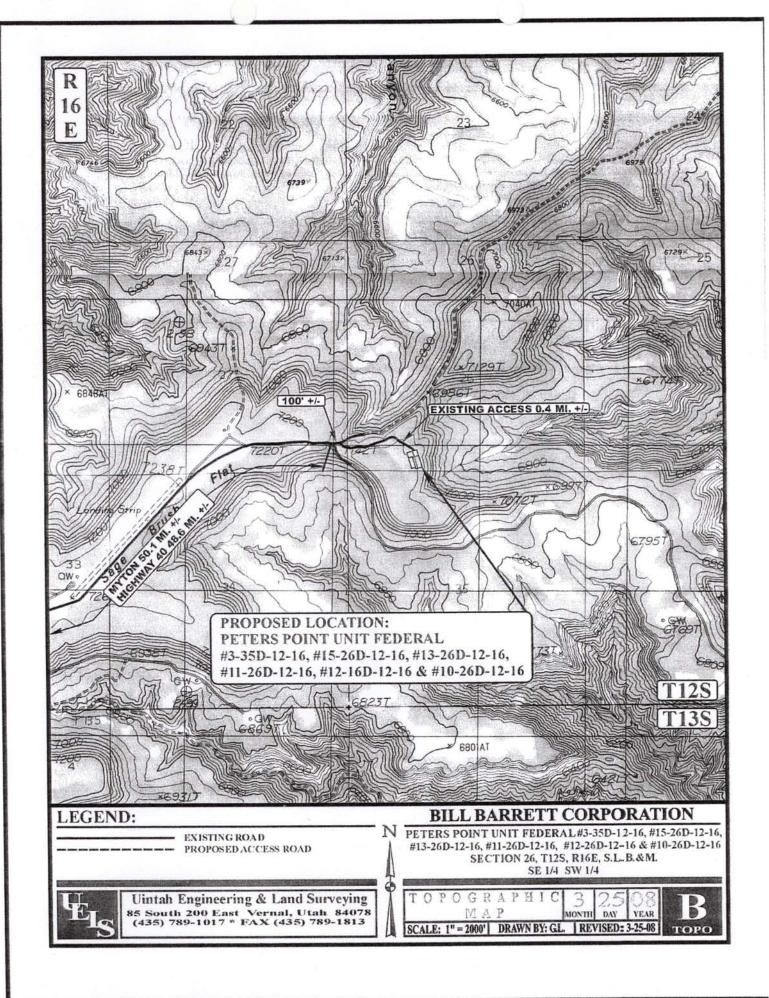
CAMERA ANGLE: SOUTHWESTERLY

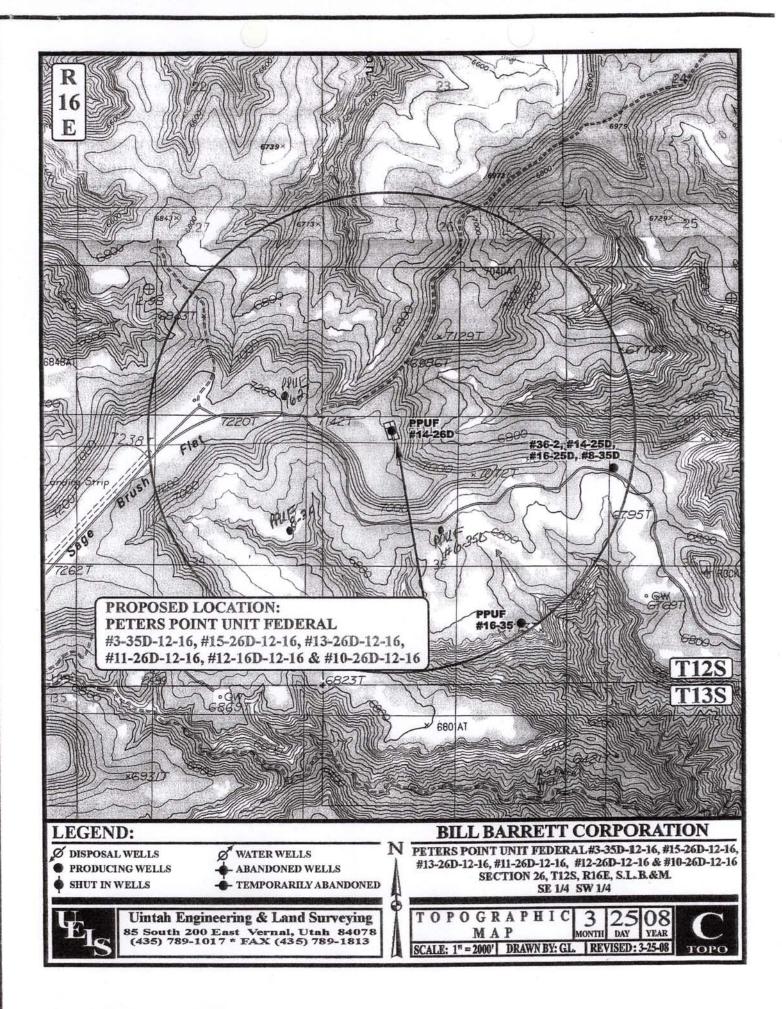


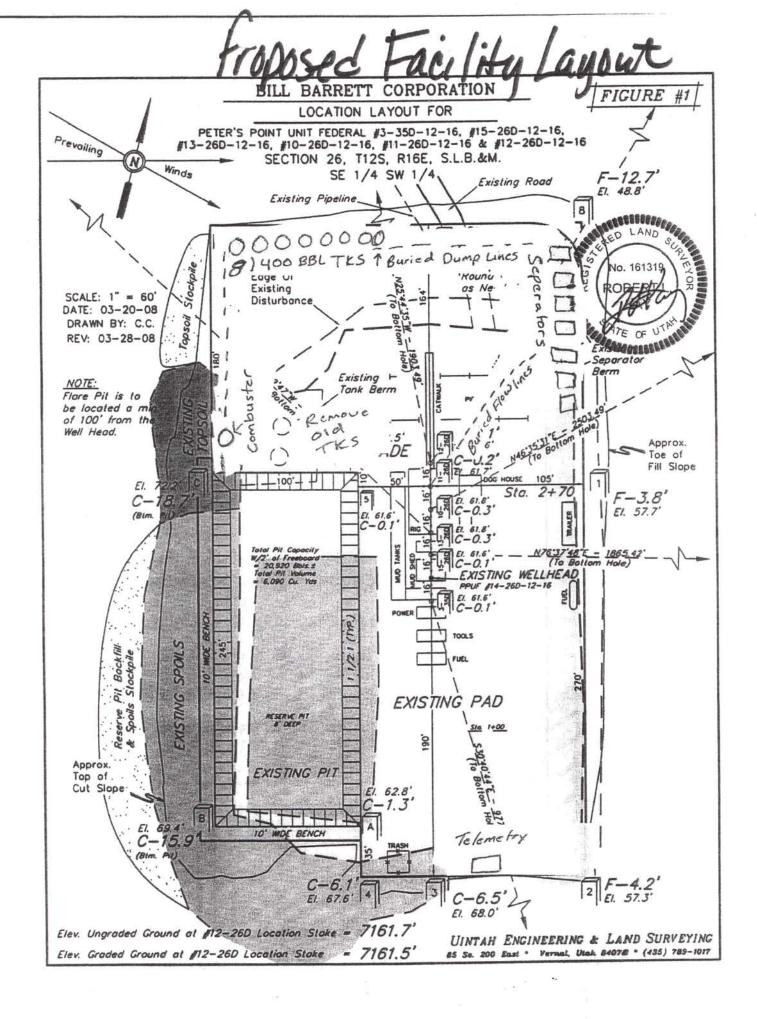












#### OPERATOR CERTIFICATION

#### Certification:

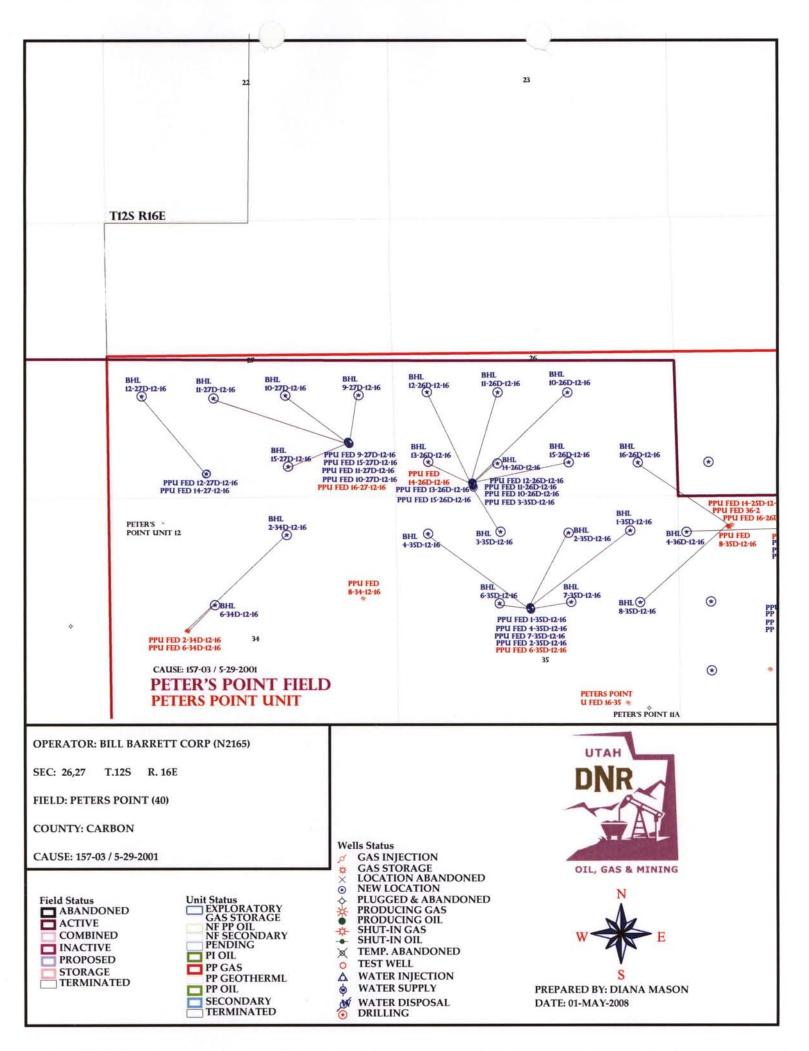
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made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

	Aand A
Executed this	ay of Uppil 2008
Name:	Tracey Fallang
Position Title:	Regulatory Analyst
Address:	1099 18 th Street, Suite 2300, Denver, CO 80202
Telephone:	303-312-8134
Field Representati	ve Fred Goodrich
Address:	1820 W. Hwy 40, Roosevelt, UT 84066
Telephone:	435-725-3515
E-mail:	e service of the serv
A	

Tracey Fallang, Environmental/Regulatory/Analyst

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/28/2008	API NO. ASSIGNED: 43-007-31407
WELL NAME: PPU FED 11-26D-12-16 OPERATOR: BILL BARRETT CORP (N2165) CONTACT: TRACEY FALLANG	PHONE NUMBER: 303-312-8134
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
SESW 26 120S 160E	Tech Review Initials Date
SURFACE: 0285 FSL 1506 FWL BOTTOM: 2002 FSL 1997 FWL	Engineering
COUNTY: CARBON	Geology
LATITUDE: 39.73832 LONGITUDE: -110.0948	Surface
UTM SURF EASTINGS: 577561 NORTHINGS: 43988 FIELD NAME: PETER'S POINT (40	
LEASE NUMBER: UTU-0681 SURFACE OWNER: 1 - Federal RECEIVED AND/OR REVIEWED:	PROPOSED FORMATION: WSMVD COALBED METHANE WELL? NO LOCATION AND SITING:
<pre>✓ Plat</pre>	R649-2-3. Unit: PETERS POINT R649-3-2. General
<u>▶</u> ( Oil Shale 190-5 (B) or 190-3 or 190-13 <u>▶</u> Water Permit (No. 90-1853 )	Siting: <u>460 From Qtr/Qtr &amp; 920' Between Wells</u> R649-3-3. Exception
<u>N</u> RDCC Review (Y/N) (Date:)	✓ Drilling Unit Board Cause No: <u>157-03</u> Eff Date: <u>5-24-200/</u>
NA Fee Surf Agreement (Y/N)	Eff Date: <u>5-29-2001</u> Siting: <u>Bul Must be at least 460'fr cent</u> R649-3-11. Directional Drill
COMMENTS:	
STIPULATIONS: I. Leding Ope	prov Q
STIPULATIONS:	





JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor



MICHAEL R. STYLER Executive Director

#### **Division of Oil, Gas and Mining**

JOHN R. BAZA Division Director

May 5, 2008

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

Re: <u>Peter's Point Unit Federal 11-26D-12-16 Well, Surface Location 285' FSL, 1506' FWL,</u> <u>SE SW, Sec. 26, T. 12 South, R. 16 East, Bottom Location 2002' FSL, 1997' FWL,</u> <u>NE SW, Sec. 26, T. 12 South, R. 16 East, Carbon County, Utah</u>

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 43-007-31407.

Sincerely,

Jight

Gil Hunt Associate Director

pab Enclosures

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



Operator:	Bill Barrett Corporation				
Well Name & Number	Peter's Point Unit Federal 11-26D-12-16				
API Number:	43-007-				
Lease:	UTU-06				
Surface Location: <u>SE SW</u>	Sec. <u>26</u>	T. <u>12 South</u>	<b>R.</b> <u>16 East</u>		
Bottom Location: NE SW	Sec. 26	<b>T.</b> <u>12 South</u>	<b>R.</b> <u>16 East</u>		

## **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

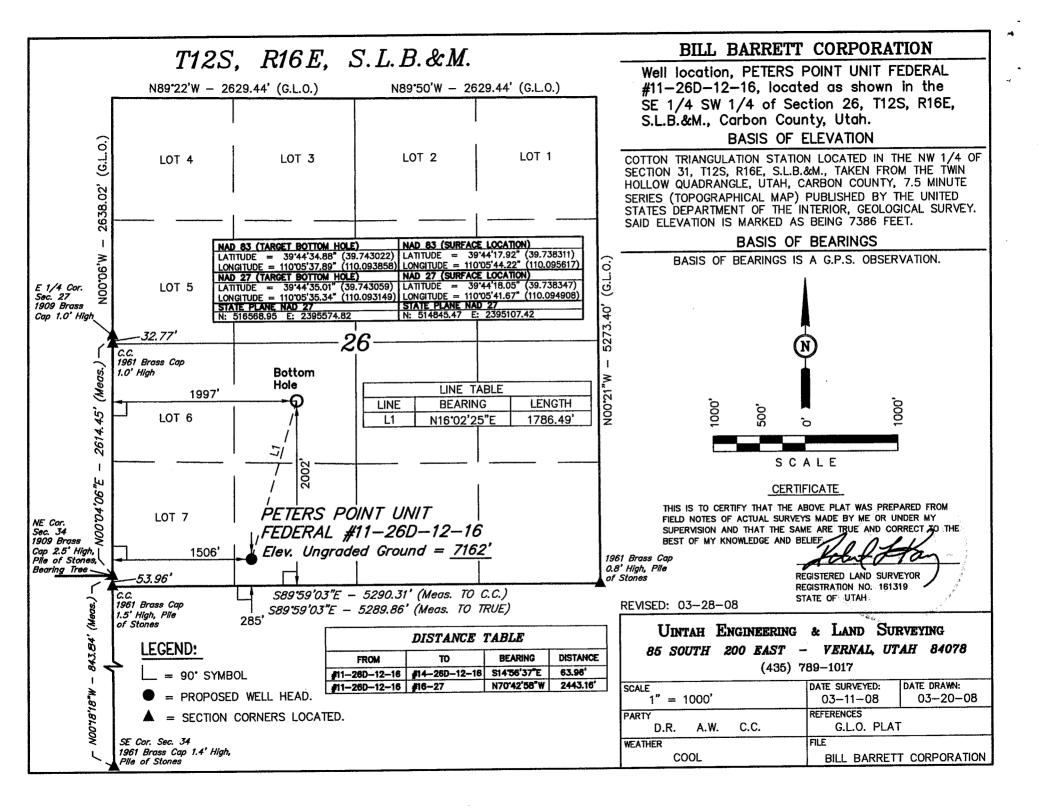
### 3. Reporting Requirements

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.

(August 2007)		DENTIAL		FORM	ATPROVED No. 1004-0137 5 July 31, 2010	P	
UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MA APPLICATION FOR PERMIT TO	INTERIOR NAGEMENT			5. Lease Serial No UTU-0681 6. If Indian, Allot N/A	).	•	
Ia. Type of work:   Image: DRILL   REEN     Ib. Type of Well:   Oil Well   Gas Well		ngle Zone 🚺 Multi	iple Zone	<ol> <li>If Unit or CA Agents</li> <li>Peters Point / UT</li> <li>Lease Name an</li> <li>Peter's Point Unit</li> </ol>	U-63014 d Well No.		
Name of Operator Bill Barrett Corporation     a. Address 1099 18th Street, Suite 2300	3b. Phone No	3b. Phone No. (include area code)			9. API Well No. -pending 43.007.31407 10. Field and Pool, or Exploratory		
Denver, CO 80202 4. Location of Well ( <i>Report location clearly and in accordance with a</i> At surface SESW, 285' FSL, 1506' FWL At proposed prod. zone NESW, 2002' FSL, 1997' FWL, S				Peter's Point/Wasatch-Mesaverde 11. Sec., T. R. M. or Blk. and Survey or Area Sec. 26, T12S-R16E			
<ul> <li>14. Distance in miles and direction from nearest town or post office* approximately 51 miles from Myton, Utah</li> <li>15. Distance from proposed* 285' SH / 612' BH property or lease line, ft. (Also to nearest drig. unit line, if any)</li> </ul>		· · · · · · · · · · · · · · · · · · ·		12. County or Parish Carbon County Unit dedicated to the 0 acres	דט	State	
<ul> <li>(Also to nearest drig. unit line, if any)</li> <li>18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.</li> </ul>	19. Propose 8000' MD	19. Proposed Depth20.		M/BIA Bond No. on file onwide Bond #WYB000040			
<ol> <li>Elevations (Show whether DF, KDB, RT, GL, etc.)</li> <li>7162' graded ground</li> </ol>	09/01/200	<ul> <li>22. Approximate date work will start*</li> <li>09/01/2008</li> <li>24. Attachments</li> </ul>		<ul><li>23. Estimated duration</li><li>45 days</li></ul>			
<ol> <li>The following, completed in accordance with the requirements of Onsh</li> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	m Lands, the	<ol> <li>Bond to cover Item 20 above).</li> <li>Operator certifi</li> <li>Such other site BLM.</li> </ol>	the operation ication	s form: is unless covered by rmation and/or plans	as may be requi		
25. Signature Jacup Fallaney Title Environmental/Regulatory Analyst	Trace	(Printed/Typed) ey Fallang			Date 04/23/200	8	
Approved by (Signature) /S/Michael Stiewig Title Acting Field Managur Application approval does not warrant or certify that the applicant ho	Office	PRICE HE		1	Date 2		
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 States any false, fictitious or fraudulent statements or representations a	crime for any p as to any matter v	erson knowingly and vithin its jurisdiction.	willfully to m	ake to any department	t or agency of th	ne United	
(Continued on page 2) RECEIVE JUN 2 6 2 DIV. OF OIL, GAS	ED 008 & MINING	100 101 101 101 101 101 101 101 101 101	NDITION 828 9566670 956670 956670	S OF APPRO			

UDOGM



# BILL BARRETT CORPORATION PRICKLY PEAR UNIT FEDERAL #3-35D-12-16, #15-26D-12-16, #13-26D-12-16, #11-26D-12-16, #12-26D-12-16 & #10-26D-12-16 SECTION 26, T12S, R16E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST: TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 31.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; AND PROCEED IN A SOUTHEASTERLY DIRECTION TURN LEFT APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST: TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 100' TO THE EXISTING ACCESS TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.5 MILES.



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



# CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

SESW Section 26-T12S-R16E UTU-0681 Peters Point (UTU-63014)		
mber		
35		
70		
74		
43		
40		

Fax: (435) 636-3657

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

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

## **NOTIFICATION REQUIREMENTS**

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

Bill Barrett Corporation Peters Point Unit Federal 11-26D-12-16 Peters Point Unit Lease, Surface: UTU-0681 Bottom-hole: UTU-0681 Location, Surface: SE/SW Sec. 26, T12S, R16E Bottom-hole: NE/SW Sec. 26, T12S, R16E 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. If air drilling operations are utilized, the requirements of Onshore Oil and Gas Order No. 2 (Order 2), Part III.E *Special Drilling Operations*, shall be implemented.
- 3. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
- 4. 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.
- 5. Either of the two production casing options proposed may be used.
- 6. A cement bond log (CBL) or other appropriate tool for determining top-of-cement, shall be run on the production casing string, unless cement is circulated to surface.
- 7. If logging reveals that the cementing objectives were not met, remedial cementing will be required.
- 8. 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.
- 9. 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.

10. Approval to use an Electronic Flow Computer is granted with the following conditions:

The EFC shall meet or exceed all standards and requirements of Utah NTL 2007-1 regarding the Use of Electronic Flow Computers.

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

## DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Price Field Office Petroleum Engineer within 24 hours of spudding.
- Notify Price Field Office Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Price Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Price Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Price BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Price Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the <u>top of cement</u> and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

# • Please submit a copy of all other logs run on this well to the BLM Price Field Office.

• There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Price Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Price Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Price Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Price Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Price Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Price Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Price Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Price Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Price Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Price Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Price Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Price Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

### SURFACE USE CONDITIONS OF APPROVAL

Project Name: Peters Point Un	it Drilling			
Operator: Bill Barrett Corpo	ration			
Well:				
Name	<u>Number</u>	Section SH	TWP/RNG	<u>Lease</u> Number
Peters Point Unit Federal	11-26D-12-16	26	12S/16E	UTU-0681

### I 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:
  - a. SM-A, Seed Mixture for Berms, Topsoil Piles, Pad Margins
  - b. SM-B, Seed Mixture for Final Reclamation (buried pipelines, abandoned pads, roads, etc.)
  - c. TMC1, Browse Hand Planting Tubeling Mixtures
  - d. Lease Stipulations, see attached Table 2.3 from EA for West Tavaputs Plateau Drilling Program.
  - e. Applicant-committed environmental protection measures, see attached Appendix B
- 3. The company shall furnish and apply water or other means satisfactory to the authorized officer for dust control. Dust is controlled when the following standards are met: (1) no dust is generated above the cab of the vehicle, or (2) no hanging dust plumes. These standards are applicable to Nine Mile Canyon between Harmon and Cottonwood Canyons, and in Harmon and Cottonwood Canyons. If dust exceeds these standards, operations shall be shut down until the standards are met.

- 4. The company shall supply a third party monitor to report directly to the BLM which shall monitor for dust on a daily basis, as necessary. A written monitoring report shall be submitted to the BLM on a weekly basis, and a phone report shall be made to the authorized officer on a daily basis, as necessary. If dust control standards are not met, operations shall be shut down until the standards are met.
- 5. The company shall submit interim reclamation plans and location layout with proposed interim reclaimed areas to the authorized office within 90 days of the spudding of the well.
- 6. There is an eligible cultural site (42Cb2085) along the access road. If new construction is required along the access road, the site shall be flagged for avoidance and the pipeline shall be "boomed" into place to further avoid the eligible site.
- 7. 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.
- 8. 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.
- 9. All equipment and personnel used during drilling and construction activities will be restricted to only approve access roads.
- 10. 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.
- 11. 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 Peters Point Unit Federal 11-26D-12-16 well is Olive Black, 5WA20-6. All facilities will be painted the designated color at the time of installation.
- 12. 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.
- 13. No salvaged trees will be pushed up against live trees or buried in the spoil material.
- 14. All areas not needed for production of the well will be reclaimed within 90 days of completion of the last well if weather conditions are favorable, unless the BLM Authorized Officer gives an extension.
- 15. 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.

- 16. 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.
- 17. 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.
- 18. 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.
- 19. The pipeline(s) shall be buried.
- 20. 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.
- 21. An impermeable liner shall be used in the containment area of all permanent condensate and water tanks.
- 22. Gas shall be measured on the well pad unless the BLM Authorized Officer authorizes another location.
- 23. If the well has not been spudded by APD Approval date + 2 years the APD will expire and the operator is to cease all operations related to preparing to drill the well.
- 24. 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.
- 25. No construction/drilling activities shall occur during the time of the year November 1 through April 15 for sage-grouse winter habitat.
- 26. Mule deer on critical winter ranges shall be protected by seasonal restrictions on construction from November 1 through May 15 where federal permits are required.
- 27. Elk on high priority and critical winter ranges would be protected by seasonal restrictions on construction from November 1 through May 15.
- 28. Centralize tanks and facilities with old wells. Utilize low profile tanks.
- 29. Leave trees on the edge of the well site.
- 30. 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.

#### **II** 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 (e.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 specialconcern 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 of 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. Crosscountry 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

1

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	Spacing Interval
(percent)	(feet)
<u></u> ≤2	200
2 - 4	100
4 – 5	75
$\geq 5$	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 ensure safe, environmentally-sound, year-round access. Waterbars shall be installed on all reclaimed pipeline corridors per the guidelines in D #11.

# Seed Mix A¹ Temporary Disturbance (for berms, topsoil piles, pad margins)

# **Forbes Lbs**

Yellow Sweetclover Ladak Alfalfa Cicer Milkvetch Palmer Penstemon

# Grasses Lbs

Crested Wheatgrass Great Basin Wildrye Intermediate Wheatgrass

#### Total

# 11.5 lbs/acre

2.0 lbs/acre 2.0 lbs/acre

1.0 lbs/acre

0.5 lbs/acre

2.0 lbs/acre

2.0 lbs/acre

2.0 lbs/acre

1 Seed mix A is designed for rapid establishment, soil holding ability, and nitrogen fixing capability. C-4 *EA*, West Tavaputs Plateau Drilling Program

# Seed Mix B

# Final Reclamation (for buried pipe lines, abandoned pads, road, etc.)

# Forbes Lbs

0.5 lbs/acre
0.25 lbs/acre
0.5 lbs/acre
2.0 lbs/acre
1.0 lbs/acre

# Grasses Lbs

Indian Ricegrass	1.0 lbs/acre
Needle & Thread Grass	1.0 lbs/acre
Intermediate Wheatgrass	2.0 lbs/acre
Blue Grama	0.5 lbs/acre
Galletta	0.5 lbs/acre
Great Basin Wildrye	2.0 lbs/acre

# Woody Plants Lbs

Fourwing Saltbush Winterfat 2.0 lbs/acre 0.5 lbs/acre Wyoming Big Sage brush0.25 lbs/acreUtah Serviceberry1.0 lbs/acreBlue Elderberry (Raw Seeds)1.0 lbs/acre

Total 16.0 lbs/acre

1 Yellow Sweetclover is planted as a nurse crop to provide solar protection, soil binding and nitrogen fixing. It will normally be crowded out in 2 to 3 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 tubling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubling 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 [X] Pinyon-Juniper

	Plants Per	Acre
	Sagebrush-	Pinyon-
Species	Grass	Juniper
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

No

Location/Well Number	Federal Lease Number and Stipulations	Unit Name	Federal ROW Needs
Federal Wells	· · · · · · · · · · · · · · · · · · ·	·······	
7-25	UTU-59970	Prickly Pear Unit	Lower Flat Iron Road
16-34	UTU-73671	Prickly Pear Unit	Lower Flat Iron Road
27-3	UTU-73670 ^{1,2,3}	Prickly Pear Unit	None
21-2	UTU-73670 ^{1,2,3}		None
13-4	-4 UTU-74385		None
5-13	13 UTU-73665		None
24-12	UTU-77513 1.2.3	Prickly Pear Unit	None
10-4	UTU-74386 1,2,3,4	Prickly Pear Unit	None
15-19	UTU-66801 1.2.3	Jack Canyon Unit	None
Existing Pads			
UT-10	UTU-66801 ^{1,2,3}	Jack Canyon Unit	None
PPH-8	UTU-66801 ^{1,2,3}	Jack Canyon Unit	None
PP-11	UTU-66801 1.2.3	Jack Canyon Unit	None
State Wells			
Section 2, T13S, R15E	NA	Prickly Pear Unit	Lower Flat Iron Road
Section 36, T12S, R15E	NA	Prickly Pear Unit	Lower Flat Iron Road
Section 32, T12S, R16E	NA	Jack Canyon Unit	Cottonwood Canyon Road
Section 2, T13S, R16E	NA	None	Peters Point Road Extension

Table 2.3

Lease Numbers, Oil and Gas Units, Federal ROW Requirements, and Lease Stipulations for State and Federal Wells Proposed by BBC.

No occupancy or other surface disturbance will be allowed within 330 feet of the centerline or within the 100-year recurrence interval floodplain, whichever is greater, of the perennial streams or within 660 feet of springs, whether flowing or not. This distance may be modified when specifically approved in writing by the authorized officer of the BLM.

In order to minimize watershed damage, exploration drilling and other development activity will be allowed only during the period from May 1 to October 31. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the BLM.

³ Construction of access roads and drill pads on slopes in excess of 30 percent will require special design standards to minimize watershed damage. Drilling operations and any associated construction activities on slopes in excess of 50 percent may require directional drilling to prevent damage to the watershed. Exceptions to the limitations may be specifically approved in writing by the authorized officer of the BLM.

Raptor surveys will be required whenever surface disturbance and/or occupancy proposed in association with oil/gas exploration occur within a known nesting complex for raptors located in the NWNW, Sec. 10, T12S, R14E. Field surveys will be conducted by the lessee/operator as determined by the AO of the BLM. When surveys are required of the lessee/operator, the consultant hired must be found acceptable to the AO prior to the field survey being conducted. Based on the result of the field survey, the AO will determine appropriate buffer zones.

1

EA, West Tavaputs Plateau Drilling Program

# **APPENDIX B:**

# APPLICANT-COMMITTED ENVIRONMENTAL PROTECTION MEASURES

# **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.

# 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.

- 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.

# 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

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 channeling--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.

## 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;

- 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.

- 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.

# 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).

- 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

• 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.
- 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.



# **DIVISION OF OIL, GAS AND MINING**

# SPUDDING INFORMATION

Name of Cor	mpany:	B	LL BAR	RETT	CORPOR	ATION			
Well Name:	l Name: PPU FED 11-26D-12-16								
Api No <u>:</u>	43-007-314	407		_Lease	Туре:	FEDERAL			
Section 26	Township	12S	_Range_	16E	County	CARBON			
Drilling Cor	ntractor <u>CF</u>	AIG'S	ROUSTA	ABOUT	<u>SERV</u> I	RIG #			
SPUDDE	D:								
	Date	08/2	1/08						
	Time	5:00	AM						
	How	DRY	ζ	<u></u>					
Drilling will Commence:									
Reported by			JOHN	FINDL	AY VIA E	-MAIL			
Telephone #							<u></u>		
Date	08/21/08	S	igned	CHI	D				

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

# ENTITY ACTION FORM

**Bill Barrett Corporation** Operator Account Number: N 2165 Operator: 1099 18th Street, Suite 2300 Address: city Denver

zip 80202

state CO

Phone Number: __(303) 312-8134

Well 1

API Number	Well	Well Name QQ Sec		Sec	Twp	Rng County		
4300731406	Peter's Point Unit Fed	eral 10-26D-12-16	SESW 26 12S			16E	16E Carbon	
Action Code	Current Entity Number	New Entity Spud Date E Number		Spud Date			tity Assignment Effective Date	
¥B	999999	2410	8/21/2008		81	8/25/08		
	e spud by Craig's Rousta ations until September 2				-	*		

API Number	Well	QQ	Sec	Twp	Rng	County	
4300731407	Peter's Point Unit Federal 11-26D-12-16		SESW	26	125	16E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
¥B	99999	3470	8/21/2008		8/2	25/08	

WS7NV operations until September 2008. BHL= NESW 

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141-11-2

API Number	Well	QQ	Sec	Twp	Rng	County	
4300731408	Peter's Point Unit Fed	SESW	26	125	16E	Carbon	
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
¥ B	99999	2470	8/21/2008			8/	25/08

 $\mathcal{WSMV}$  boperations until September 2008. BHC = N WSW

### **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
- Re-assign well from one existing entity to a new entity D
- E Other (Explain in 'comments' section)

Name (Please Print)	1
Macus tal	lanes
Signature //	//
Environmental Analyst	8/21/2008
Title	Date

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(5/2000)

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DIV. OF OIL, GAS & MINING

<b>٢</b>		tfallai CON	ng FIDENTIA			
Form 3160-5	UNITED STATE	(				ORM APPROVED MB No: 1994-01 <del>3</del> 7
(August 2007) DEl	PARTMENT OF THE				E CE	pires/ July 31, 2010
	EAU OF LAND MAN		· · · · · · · · · · · · · · · · · · ·	1 4 3	5. Lease Serial No UTU-0681	SUPI
	NOTICES AND REPO			- 3	6. If Indian, Allottee o	r Tribe Name
	form for proposals t Use Form 3160-3 (A					
		······································			7. If Unit of CA/Agree	ement, Name and/or No.
1. Type of Well	T IN TRIPLICATE - Other	Instructions on pa	ge 2.		Peter's Point/UTU-6	3014
Oil Well Gas V	Well Other					ederal 11-26D-12-16
2. Name of Operator Bill Barrett Corporation					9. API Well No. 43-007-31407	, 
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		3b. Phone No. (inc 303-312-8134	lude area code)		10. Field and Pool or I Peter's Point/Wasat	
4. Location of Well (Footage, Sec., T. SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	,R.,M., or Survey Description	)			11. Country or Parish, Carbon County, UT	State
	CK THE APPROPRIATE BO		TENATIDEC	E NOTIO	E REPORT OR OTH	FR DATA
	CK THE APPROPRIATE BO	JA(ES) IO INDICA	·	OF ACT	<u>, , , , , , , , , , , , , , , , , , , </u>	
TYPE OF SUBMISSION	Acidize	Deepen	1116		uction (Start/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture 7	reat		amation	Well Integrity
	Casing Repair	New Con		Reco	mplete	Other Weekly Activity
✓ Subsequent Report	Change Plans	Plug and	Abandon	Temj	porarily Abandon	Report
Final Abandonment Notice	Convert to Injection	Plug Bacl			er Disposal	k and approximate duration thereof. If
13. Describe Proposed of Completed of the proposal is to deepen direction Attach the Bond under which the following completion of the invol testing has been completed. Fina determined that the site is ready f Weekly drilling activity report from	work will be performed or pr ved operations. If the operat l Abandonment Notices must or final inspection.)	ovide the Bond No. ion results in a multi be filed only after al	on file with BLM ble completion of l requirements,	M/BIA. F or recomp including	Required subsequent rep letion in a new interval reclamation, have been	, a Form 3160-4 must be filed once a completed and the operator has
(2009).						
						RECEIVED
					Î	NOV 1 0 2008
					DIV.	OF OIL, GAS & MINING
			· .			
14. I hereby certify that the foregoing is	s true and correct.		· · · · · · · · · · · · · · · · · · ·			
Name (Printed/Typed) Tracey Fallang		Ti	tle Regulatory	/ Analyst	t	
Signature AARIA	Failunes	D	ate 11/06/200	8		
		FOR FEDER	AL OR STA	TE OF	FICE USE	
Approved by	U			, in the second se		
····			Title			Date
Conditions of approval, if any, are attack that the applicant holds legal or equitable entitle the applicant to conduct operation	e title to those rights in the subj	es not warrant or certi ect lease which would	fy 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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We	Ⅱ : Peter's Point #11-26D-12-16	Phase/Area : West Tava	aputs Operations Date : 11/1/2008	
· .	Bottom Hole Display	API #/License	Report # : 10	
	NESW-26-12S-15E-W26M	43-007-31407	Depth At 06:00 : 7316.00	
			Estimated Total Depth :	
Surface Locatio	n : SESW-26-12S-15E-W26M			
Spud Da	te : 8/18/2008 Days From Spud :	75		
-	ns : Drilling @ 7316			
normig oporation				
			Remarks :	
Time To	Description		DAYS SINCE LTA: 152 DAYS	
	rill f/ 7002 to 7200, .56 inc 56.66 az		Safety Meeting Topic's: , Tripping hazards DRILL WATER: USED DAILEY= 630 Bbl- TOTAL USED=	
	ooh f/ bit, Lay down directional tools, functi	on blind rams	3370 Bbls	
	u bit #2 & Mtr, Tih to 6759 Pu 14 joints to m	a cara a la a mula la ana	DIESEL:on Loc:= 4136 Gal - Dailey Use= 1411 Gal Tota	
	f/ 7200 to 7316.		Used= 9486 Gal - Mtr #1 ser# 2143 Hrs= 146.5	
			Mtr #2 ser# 6090 hrs=2.5	
			Boiler 12 hrs	
			ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700#	
			(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1	
			28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROE CSG on Racks= 8350 FT Total 4 1/2")	
			( Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 203	
5			its on Loc	
We	Ⅱ : Peter's Point #11-26D-12-16	Phase/Area : West Tava	aputs Operations Date : 10/31/2008	
		· · · · · · · · · · · · · · · · · · ·	Report # : 9	
	Bottom Hole Display	API #/License	Depth At 06:00 : 7002.00	
	NESW-26-12S-15E-W26M	43-007-31407	Estimated Total Depth :	
Surface Locatio	n : SESW-26-12S-15E-W26M			
		74		
•	buje i tem epud :	74		
iorning Operatior	ns : Drilling @ 7002			

Time To	Description
4:30 PM	Drill f/ 6372 to 6688, 1.25 inc 22.91 az
5:00 PM	Rig service, function pipe rams
9:00 PM	Drill f/ 6688 to 6783, 1.13 inc 24.54 az
11:00 PM	XO 31 joints to reposition pipe rubbers.
6:00 AM	Drill f/ 6783 to 7002, .81 inc 34.16 az

#### Remarks :

DAYS SINCE LTA: 151 DAYS ⁸ Safety Meeting Topic's: , Rig service DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED= 2740 Bbls DIESEL:on Loc:= 5547 Gal - Dailey Use= 997 Gal.- Total Used= 8075 Gal -Mtr #1 ser# 2143 Hrs= 136.5 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press= 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD CSG on Racks= 8350 FT Total 4 1/2") ( Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 jts on Loc

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	Well : Peter's Point #11-26D-12-16	Phase/Area : West Tava	puts Operations Date : 11/3/2008		
	Bottom Hole Display	API #/License	Report # : 12		
	NESW-26-12S-15E-W26M	43-007-31407	Depth At 06:00 : 7978.00		
			Estimated Total Depth :		
Surface Lo	cation : SESW-26-12S-15E-W26M				
Spi	d Date : 8/18/2008 Days From Spud :	77			
Morning Ope	rations : Tih to lay down Dp & Bha				
		F	Remarks :		
Time To	Description		DAYS SINCE LTA: 154 DAYS Safety Meeting Topic's: , Tripping pipe DRILL WATER: USED DAILEY= 460 Bbl- TOTAL USED=		
9:00 AM	Hit bridge w/ loggs @ 7330, LD loggs	ے ا			
12:30 PM	Tih clean out bridge @ 7330, Wash 40' to	btm no fill 3	830 Bbls		
1:30 PM	Circ & cond 40 vis 9.5 wt 6.4 fl	D	DESEL:on Loc:= 2710 Gal - Dailey Use= 1426 Gal Total Jsed= 10912 Gal -		
10:00 PM	Tooh f/ logs, Pump out & work tight hole f/		ftr #1 ser# 2143 Hrs= 146.5		
3:00 AM	Rig up & run logs w/ Halliburton, RWCH/S		1tr #2 ser# 6090 hrs≈19.5		
	7950, hole was good second run,	-	loiler 12 hrs .CC PRESS=2800#-ANN PRESS=1400#- Manifold Press=		
6:00 AM	Tih to lay down Dp & Bha.		700#		
			Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1		
		2	8' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD		
			SG on Racks= 8350 FT Total 4 1/2") Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207		
			s on Loc		

Well : Peter's Point #11-26D-12-16	Phase/Area : West Tavaputs	Operations Date : 11/2/2008
		Report # : 11
Bottom Hole Display	API #/License	
NESW-26-12S-15E-W26M	43-007-31407	Depth At 06:00 : 7978.00
		Estimated Total Depth :

### Surface Location : SESW-26-12S-15E-W26M

Spud Date : 8/18/2008	Days From Spud :	76
Morning Operations : Logging w/ Ha	lliburton	

Time To	Description
10:30 AM	Drill f/ 7316 to 7474, 33 vis 9.4 wt
11:00 AM	Rig service, function pipe rams
11:30 PM	Drill f/ 7474 to 7879,
12:30 AM	Circ & cond, 42 vis 9.3 wt 6.2 fl
3:30 AM	Tooh f/ loggs SLM= 8005
6:00 AM	Rig up & run loggs w/ Halliburton

#### Remarks :

DAYS SINCE LTA: 153 DAYS ^a Safety Meeting Topic's: , House cleaning DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED= 3370 Bbls DIESEL:on Loc:= 2710 Gal - Dailey Use= 1426 Gal.- Total Used= 10912 Gal -Mtr #1 ser# 2143 Hrs= 146.5 Mtr #2 ser# 6090 hrs=19.5 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press= 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD CSG on Racks= 8350 FT Total 4 1/2") ( Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 its on Loc



in the internet of the interne		<b>–</b> ( <b>–</b> )
Bottom Hole Display	API #/License	Report # : 14
NESW-26-12S-15E-W26M	43-007-31407	•
NESW-26-12S-15E-W26M	43-007-31407	Depth At 06:00: 79 Estimated Total Depth :

Morning Operations :

Time To 9:00 AM	Description Hold safety meeting, Psi test lines to 5500, Pump 10 bbl water, 20 bbl spacer, 10 bbl water, 1920sx 50/50 poz G SBM Cmt 3% Pot chloride, .75 Halad R-322, .2% FWCA, 3 lbm silicate, .125 Poly e flake, 1 lbm Granulite TR, 6.98 Gal water, Displace w/ 123 bbl water, pump 7 bbl per min @ 500 psi, 3 bbl per min @ 1580 psi, 2 bbl per min @ 1740 psi, bump plug @ 2860 psi floats held, had returns the hole time no cmt returns, Rig down Halliburton.	DAYS SINCE LTA: 155 DAYS Safety Meeting Topic's: , Lay down dp & bha DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED= 3830 Bbls DIESEL:on Loc:= 3608 Gal - Dailey Use= 800 Gal Total Used= 11712 Gal - Mtr #1 ser# 2143 Hrs= 146.5 Mtr #2 ser# 6090 hrs=19.5 Boiler 12 hrs
10:30 AM	Nipple down & set slips string wt 85k set slips @ 100k slips look good	ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press= 1700#
2:30 PM	Clean pits & rig down, Release rig @ 2:30 pm 11/4/2008	(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD CSG on Racks= 8350 FT Total 4 1/2") ( Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207

Well : Peter's Point #11-26D-12-16Phase/Area : West TavaputsOperations Date : 11/4/2008Bottom Hole DisplayAPI #/LicenseReport # : 13NESW-26-12S-15E-W26M43-007-31407Depth At 06:00 : 7978.00Estimated Total Depth :Estimated Total Depth :

Surface Location : SESW-26-12S-15E-W26M

Spud Date : 8/18/2008 Days From Spud : 78

Morning Operations : Cement 4.5 prod casing.

Time To	Description
7:00 AM	Tih to lay down, wash & ream 45' to btm
10:30 AM	Circ & cond, heavy cuttings out of hole.
7:30 PM	Pull 7 stands & lay down Dp & Bha, pull wear ring
2:00 AM	Run 7977' 4.5 I-80 Csg, Tag btm
4:00 AM	Circ & cond & Wait on Halliburton
6:00 AM	Circ & rig up Halliburton.

#### Remarks :

its on Loc

Remarks :

DAYS SINCE LTA: 155 DAYS Safety Meeting Topic's: , Lay down dp & bha DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED= 3830 Bbls DIESEL:on Loc:= 3608 Gal - Dailey Use= 800 Gal.- Total Used= 11712 Gal -Mtr #1 ser# 2143 Hrs= 146.5 Mtr #2 ser# 6090 hrs=19.5 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press= 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD CSG on Racks= 8350 FT Total 4 1/2") (Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 its on Loc

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	UNITED STATI DEPARTMENT OF THE JREAU OF LAND MAN	INTERIOR	TIAL 5. Lease/Se	FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010
	( NOTICES AND REP		UTU-0681	$() () (D) \sqrt{7}$
Do not use thi	s form for proposals	to drill or to re-enter a APD) for such proposa	n N/A	Alldree of Tribe Hame
SUE	MIT IN TRIPLICATE – Othe	r instructions on page 2.		f CA/Agreement, Name and/or No. pint/UTU-63014
Oil Well I Ga	as Well Other		8. Well Nar Peter's Po	ne and No. int Unit Federal 11-26D-12-16
2. Name of Operator Bill Barrett Corporation	· · · · · · · · · · · · · · · · · · ·		9. API Wel 43-007-31	1 No. 407
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		3b. Phone No. (include area of 303-312-8134	'	nd Pool or Exploratory Area int/Wasatch-Mesaverde
4. Location of Well <i>(Footage, Sec.,</i> SESW, 285 FSL, 1506' FWL Sec. 26, T12S-R16E	T.,R.,M., or Survey Description	· ·	11. Country Carbon Co	v or Parish, State Dunty, UT
12. CI	ECK THE APPROPRIATE B	OX(ES) TO INDICATE NATU	RE OF NOTICE, REPORT	COR OTHER DATA
TYPE OF SUBMISSION	·		TYPE OF ACTION	
Notice of Intent	Acidize	Deepen Fracture Treat	Production (Start/)	Resume) Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Construction		Other Weekly Activity
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	Temporarily Aban Water Disposal	don Report
				· · · · · · · · · · · · · · · · · · ·
				RECEIVED
				RECEIVED
				NOV 1 0 2008
				DIV. OF OIL, GAS & MINING
<ol> <li>I hereby certify that the foregoing Name (Printed/Typed)</li> </ol>	is true and correct.			nya mangana ang ang ang ang ang ang ang ang a
Tracey Failang		Title Regula	tory Analyst	
Signature Malu	Fallang	Date 10/30/2	2008	
0	THIS SPACE	FOR FEDERAL OR S	TATE OFFICE USE	
Approved by		Title		Date
Conditions of approval, if any, are atta hat the applicant holds legal or equital ntitle the applicant to conduct operation	le title to those rights in the subje	s not warrant or certify	· · · · · · · · · · · · · · · · · · ·	Pay
Fitle 18 U.S.C. Section 1001 and Title	43 U.S.C. Section 1212, make it		and willfully to make to any	department or agency of the United States any false
ictitious or fraudulent statements or r	epresentations as to any matter wi	thm its jurisdiction.		

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WELLCORE

	Well : Peter's Point #11-26D-12-16	Phase/Area : West Tav	aputs Operations Date : 10/24/2008		
	Bottom Hole Display	API #/License	Report #: 2		
	NESW-26-12S-15E-W26M	43-007-31407	Estimated Total Depth :		
Surface Loo	cation : SESW-26-12S-15E-W26M				
Spu	d Date : 8/18/2008 Days From Spud :	67			
Morning Oper	ations : Test Bop equipment.				
•					
			Remarks :		
Time To	Description		DAYS SINCE LTA: 145 DAYS Safety Meeting Topic's: , Rig up		
10:00 AM	Rig down to skid rig.		DRILL WATER: USED DAILEY= 1500 Bbl- TOTAL		
3:30 PM	Skid rig w/ Dawn trucking.		USED= 1500 Bbls DIESEL:on Loc:= 2730 Gal - Dailey Use= 1213 Gal Tot		
7:00 PM	Rig up RT		Used= 1213 Gal -		
8:30 PM	Slip & cut 120' drill line.				
4:00 AM	Nipple up Bop & choke & xo kelly		ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press		
6:00 AM	Test Bop, Blind s, pipes & Hcr 250 low 300	00 high, 10 min	1700#		
			(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROE		
			CSG on Racks= 8350 FT Total 4 1/2")		

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	Well:	Peter's Point #11-26D-12-16	Phase/Area : West T	
		Bottom Hole Display	AP! #/License	Report # : 4
		NESW-26-12S-15E-W26M	43-007-31407	Depth At 06:00 : 3134.00
				Estimated Total Depth :
Surface Lo	cation :	SESW-26-12S-15E-W26M		
Spu	ud Date :	8/18/2008 Days From Spud :	69	
-		Drilling @ 3134.		
				Remarks :
Time To		Description		DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , PPE
12:00 PM	Drill	f/ 1551 to 2026, inc 20.63 az 15.91		DRILL WATER: USED DAILEY= 0130 Bbl- TOTAL
12:30 PM		service, function pipe rams, Bop drill 1 n	nin 40 sec	USED= 1630 Bbls
6:00 AM	<b>–</b>	f/ 2026 to 3134, 31.06 inc 16.66 az		DIESEL:on Loc:= 7062 Gal - Dailey Use= 768 Gal Total Used= 2426 Gal -
				Mtr #1 ser# 2143 Hrs= 32.5
				Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press
				1700#
				(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROI
				CSG on Racks= 8350 FT Total 4 1/2")
				( Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 20 its on Loc
<u> </u>	Well :	Peter's Point #11-26D-12-16	Phase/Area : West 1	
		<b></b>		Report # : 3
		Bottom Hole Display	API #/License	Depth At 06:00 : 1552.00
		NESW-26-12S-15E-W26M	43-007-31407	Estimated Total Depth :
		SESW-26-12S-15E-W26M		,
Spu	ud Date :	8/18/2008 Days From Spud :	68	
Spu	ud Date :		68	
Spu	ud Date :	8/18/2008 Days From Spud :	68	Remarks :
Spu	ud Date :	8/18/2008 Days From Spud :	68	DAYS SINCE LTA: 146 DAYS
Spu Iorning Ope	ud Date : erations : Test Annu	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r	elly 250 low 3000 high, nin, Function test 1700	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swinging sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED= 1500 BbIs
Spu Iorning Ope Fime To 8:00 AM	ud Date : erations : Test Annu rema	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ka Jar 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec function	elly 250 low 3000 high, nin, Function test 1700 on time.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swingin [®] g sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED= 1500 BbIs DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota
Spu Iorning Ope Fime To 8:00 AM 3:00 PM	ud Date : erations : Test Annu rema Pu B	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio sha & magnet to 917', Fish f/ clamp pin o	elly 250 low 3000 high, nin, Function test 1700 on time.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swinging sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED=
Spu Iorning Ope Fime To 8:00 AM 3:00 PM 6:00 PM	ud Date : erations : Test Annu rema Pu B Pu D	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio tha & magnet to 917', Fish f/ clamp pin o Directional tools & Tih, Tag cmt @ 917	elly 250 low 3000 high, nin, Function test 1700 on time.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swinging sledge hammers DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED= 1500 Bbls DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota Used= 2426 Gal - Mtr #1 ser# 2143 Hrs= 9 Boiler 12 hrs
Spu Iorning Ope Fime To 8:00 AM 3:00 PM 6:00 PM 9:00 PM	ud Date : erations : Test Annu rema Pu B Pu D Drill	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio sha & magnet to 917', Fish f/ clamp pin o Directional tools & Tih, Tag cmt @ 917 cmt float & shoe to 1036'	elly 250 low 3000 high, nin, Function test 1700 on time. & Tooh w/ fish.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swinging sledge hammers DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED= 1500 Bbls DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota Used= 2426 Gal - Mtr #1 ser# 2143 Hrs= 9
Spu Iorning Ope Fime To 8:00 AM 3:00 PM 6:00 PM	ud Date : erations : Test Annu rema Pu B Pu D Drill	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio tha & magnet to 917', Fish f/ clamp pin o Directional tools & Tih, Tag cmt @ 917	elly 250 low 3000 high, nin, Function test 1700 on time. & Tooh w/ fish.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swinging sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED= 1500 Bbls DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota Used= 2426 Gal - Mtr #1 ser# 2143 Hrs= 9 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROI CSG on Racks= 8350 FT Total 4 1/2")
Spu Iorning Ope Time To 3:00 AM 3:00 PM 5:00 PM 9:00 PM 5:00 AM	ud Date : erations : Test Annu rema Pu B Pu D Drill Drill	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio sha & magnet to 917', Fish f/ clamp pin o Directional tools & Tih, Tag cmt @ 917 cmt float & shoe to 1036'	elly 250 low 3000 high, nin, Function test 1700 on time. & Tooh w/ fish.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swinging sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED= 1500 Bbls DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota Used= 2426 Gal - Mtr #1 ser# 2143 Hrs= 9 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROI CSG on Racks= 8350 FT Total 4 1/2")
Spu Iorning Ope Fime To 8:00 AM 3:00 PM 6:00 PM 9:00 PM 6:00 AM	ud Date : erations : Test Annu rema Pu B Pu D Drill Drill	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio sha & magnet to 917', Fish f/ clamp pin o Directional tools & Tih, Tag cmt @ 917 cmt float & shoe to 1036'	elly 250 low 3000 high, nin, Function test 1700 on time. & Tooh w/ fish.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swingin ⁴ g sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED= 1500 Bbls DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota Used= 2426 Gal - Mtr #1 ser# 2143 Hrs= 9 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROI CSG on Racks= 8350 FT Total 4 1/2") (Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 20
Spu lorning Ope Time To 3:00 AM 3:00 PM 3:00 PM 3:00 PM 3:00 AM	ud Date : erations : Test Annu rema Pu B Pu D Drill Drill	8/18/2008 Days From Spud : Drilling @ 1552. Description choke & kill valves choke manifold & ke ular 250 low 1500 high, Csg 1500 f/ 30 r aining 900 psi drop, 1min 15 sec functio sha & magnet to 917', Fish f/ clamp pin o Directional tools & Tih, Tag cmt @ 917 cmt float & shoe to 1036'	elly 250 low 3000 high, nin, Function test 1700 on time. & Tooh w/ fish.	DAYS SINCE LTA: 146 DAYS Safety Meeting Topic's: , Swingin ⁴ g sledge hammers DRILL WATER: USED DAILEY= 0 BbI- TOTAL USED= 1500 Bbls DIESEL:on Loc:= 7810 Gal - Dailey Use= 1213 Gal Tota Used= 2426 Gal - Mtr #1 ser# 2143 Hrs= 9 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROI CSG on Racks= 8350 FT Total 4 1/2") (Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 20

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V	Vell :	Peter's Point #11-26D-12-16	Phase/Area : West Ta	•		
		Bottom Hole Display	API #/License	Depth At 06:00		
		NESW-26-12S-15E-W26M	43-007-31407	Estimated Total Depth		
Surface Locat	tion :	SESW-26-12S-15E-W26M				
Spud I	Date :	8/18/2008 Days From Spud : 7	′1			
•		TOOH to reposition drill pipe rubbers				
				Remarks :		
11:30 AM         Tooh 19 joints to reposition           1:00 PM         Drill f/ 4233 to 4293, 31.31           1:30 PM         Rig service, Function pipe           3:00 AM         Drill f/ 4293 to 4830, 22.81		Description 7 4171 to 4233, 31.75 inc 19.04 az 19 joints to reposition Dp rubbers 7 4233 to 4293, 31.31 inc 19.79 az ervice, Function pipe rams. 7 4293 to 4830, 22.81 inc 17.41 az but 19 joints to reposition pipe rubbers.		DAYS SINCE LTA: 148 DAYS Safety Meeting Topic's: , Working around the rotory table DRILL WATER: USED DAILEY= 340 BbI- TOTAL USED= 1970 Bbls DIESEL:on Loc:= 4806 Gal - Dailey Use= 1075 Gal Total Used= 4682 Gal - Mtr #1 ser# 2143 Hrs= 73 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD CSG on Racks= 8350 FT Total 4 1/2") (Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 jts on Loc		
v	Vell :	Peter's Point #11-26D-12-16	Phase/Area : West Ta	aputs Operations Date	e : 10/27/2008	
		Bottom Hole Display	API #/License	Report #		
NESW-26-12S-15E-W26M		43-007-31407	Depth At 06:00 : 4171.00			
				Estimated Total Dept	1.	
Surface Locat	tion :	SESW-26-12S-15E-W26M				
Spud [	Date :	8/18/2008 Days From Spud : 7	0			
lorning Operati	tions :	Drilling @ 4171.				
				Remarks ·		

Time To	Description
3:30 PM	Drill f/ 3134 to 3633, 29.81 inc 15.41 az
4:00 PM	Rig service, function pipe rams
6:00 AM	Drill f/ 3633 to 4171 31.25 inc 19.66 az

#### Remarks :

DAYS SINCE LTA: 147 DAYS Safety Meeting Topic's: , Ice on walkways DRILL WATER: USED DAILEY= 0130 Bbl- TOTAL USED= 1630 Bbls
DIESEL:on Loc:= 5881 Gal - Dailey Use= 1181 Gal Total
Used= 3607 Gal -
Mtr #1 ser# 2143 Hrs= 56
Boiler 12 hrs
ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press= 1700#
(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1
28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD
CSG on Racks= 8350 FT Total 4 1/2")
(Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 its on Loc
,

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Wel	Ⅱ :Peter's Point #11-26D-12-16	Phase/Area : West Tav	vaputs Operations Date : 10/30/2008
	Dettern Hele Display		Report # : 8
	Bottom Hole Display	API #/License	Depth At 06:00 : 6372.00
	NESW-26-12S-15E-W26M	43-007-31407	Estimated Total Depth :
Surface Location	n : SESW-26-12S-15E-W26M		
Spud Da	te : 8/18/2008 Days From Spud : 73		
•	ns : Drilling @ 6372		· · ·
			Remarks :
11:00 AM C 3:30 PM D 4:00 PM R	Description rill f/ 5775 to 5807, 4.25 inc 11.04 az hange out 31 joints to reposition pipe rubbers. rill f/ 5807 to 5960, 3.06 inc 16.04 az ig service, function pipe rams rill f/ 5960 to 6372, 1.81 inc 18.04 az		DAYS SINCE LTA: 150 DAYS Safety Meeting Topic's: , Working on the boiler DRILL WATER: USED DAILEY= 770 BbI- TOTAL USED= 2740 Bbls DIESEL:on Loc:= 6544 Gal - Dailey Use= 1198 Gal Total Used= 7078 Gal - Mtr #1 ser# 2143 Hrs= 115 Boiler 12 hrs ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press 1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD CSG on Racks= 8350 FT Total 4 1/2") (Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 jts on Loc
We	Ⅱ :Peter's Point #11-26D-12-16	Phase/Area : West Tay	vaputs Operations Date : 10/29/2008
	Bottom Hole Display	API #/License	Report #: 7
	NESW-26-12S-15E-W26M	43-007-31407	Depth At 06:00 : 5807.00
	<b>Leasy and a summer of a system of a second summer of a second </b>		Estimated Total Depth :
Surface Locatio	n : SESW-26-12S-15E-W26M		· · ·
Spud Da	te : 8/18/2008 Days From Spud : 72		
Iorning Operation	ns : Drilling @ 5807		
			Remarks :
Time To Description			DAYS SINCE LTA: 149 DAYS

lime Io	Description
12:00 PM	Drill f/ 4830 to 5115, 18.56 inc 15.54 az
12:30 PM	Rig service, function pipe rams, Bop Drill 1 min 25 sec
6:00 AM	Drill f/ 5115 to 5807, 6.13 inc 9.66 az

DAYS SINCE LTA: 149 DAYS Safety Meeting Topic's: , Laying down & picking up drill
pipe
DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED=
1970 Bbls DIESEL:on Loc:= 3608 Gal - Dailey Use= 1198 Gal Total
Used= 5880 Gal -
Mtr #1 ser# 2143 Hrs= 96.5 Boiler 12 hrs
ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=
1700# (Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1
28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD
CSG on Racks= 8350 FT Total 4 1/2") ( Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207
its on Loc
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Zermi 00-5	UNITED STATES	CONFIDENTI	46		RM APPROVED		
	ERIOR		1	B No. 1004-0137 ires: July 31, 2010			
BUR	EAU OF LAND MANAGE	EMENT		5. Lease Serial No. UTU-0681			
	NOTICES AND REPORT			6. Lyndian, Allottee or	Tribe Name		
	form for proposals to dr Use Form 3160-3 (APD)		$\bigcup$				
SUBMI 1. Type of Well	T IN TRIPLICATE – Other instru	uctions on page 2.		7. If Unit of CA/Agreen Peter's Point/UTU-63	,		
Oil Well 🔽 Gas W	Vell Other			8. Well Name and No. Peter's Point Unit Fed	eral 11-26D-12-16		
2. Name of Operator Bill Barrett Corporation	······································	· · · · · · · · · · · · · · · · · · ·		9. API Well No. 43-007-31407			
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	303-	Phone No. <i>(include area cod</i> 312-8134	2)	10. Field and Pool or Exploratory Area Peter's Point/Wasatch-Mesaverde			
4. Location of Well (Footage, Sec., T., SESW, 285 FSL, 1506 FWL Sec. 26, T12S-R16E	R.,M., or Survey Description)			11. Country or Parish, So Carbon County, UT	ate		
12. CHEC	K THE APPROPRIATE BOX(ES	) TO INDICATE NATURE	OF NOTIC	E, REPORT OR OTHER	DATA		
TYPE OF SUBMISSION		ТҮР	E OF ACT	ION	<u></u>		
Notice of Intent	Acidize	Deepen	Produ	action (Start/Resume)	Water Shut-Off		
	Alter Casing	Fracture Treat	Recla	mation	Well Integrity		
Subsequent Report	Casing Repair	New Construction		mplete	Other Weekly Activity Report		
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back		oorarily Abandon r Disposal			
13. Describe Proposed or Completed O				-			
	·						
					ä		
14. I hereby certify that the foregoing is the	rue and correct.		<u> </u>		ан на стана и на стана На стана и на		
Name (Printed/Typed) Tracey Fallang		Title Regulator	y Analyst				
Signature Macay	Fallonicy	Date 12/04/200	8				
	THIS SPACE FOR	FEDERAL OR STA	TE OFF	ICE USE			
Approved by	· · · · · · · · · · · · · · · · · · ·						
Conditions of approval, if any, are attached		Title	· · · · · · · · · · · · · · · · · · ·	Dat	ê		
that the applicant holds legal or equitable t entitle the applicant to conduct operations	title to those rights in the subject lease						
Title 18 U.S.C. Section 1001 and Title 43			willfully to	make to any department or	agency of the United States any false,		
fictitious or fraudulent statements or repre (Instructions on page 2)	Scatations as to any matter within its		<b><i>IECF</i></b>	IVED			
(montageneral ort hade 2)							
		1. 1.	DECO	8 2008			

DIV.	OF	OIL.	GAS	ደ	MINING
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WELLCORE

Well Name : Peter's Point #11-26D-12-16

Phase/Area

SI

SI

West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

1

Ops Date : 11/26/2008 Report # :

AFE # : 15185D

Summary : Rig up Schlumberger EL Truck. Pick up 3.60" gauge ring, CBL tools, RIH to	End Time
7852', Log up to 820' with 1000 PSI on	1:00 PM
well. CNT @ 1034'. POOH lay down EL tools. Rig down.	8:00 PM

Description

:

ŗ,

RU Schlumberger EL Truck. PU 3.60" gauge ring, CBL tools. RIH to 7854'. Log up to 820' with 1000 PSI on well. CNT TOP @ 1034'. POOH ,Lay EL tools down. Rig Down.

11:59 PM

				allang ONFIDENTI	AL		
Form 3160-5 (August 2007)		UNITED STATES PARTMENT OF THE INTERIOR REAU OF LAND MANAGEMENT				FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010 5. Lease Serial No.	
SU		ICES AND REPO				UTU-0681 6. If Indian, Allottee or	r Tribe Name
		n for proposals t Form 3160-3 (A				N/A	
1. Type of Well	SUBMIT IN	TRIPLICATE – Other	instructions	on page 2.		7. If Unit of CA/Agree Peter's Point/UTU-6	ment, Name and/or No. 3014
Oil Well	Gas Well	Other				8. Well Name and No. Peter's Point Unit Fe	ederal 11-26D-12-16
2. Name of Operator Bill Barrett Corporation						9. API Well No. 43-007-31407	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202			3b. Phone N 303-312-81	o. (include area coo 34	de)	10. Field and Pool or E Peter's Point/Wasato	
4. Location of Well (Foota, SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	ge, Sec., T.,R.,M	, or Survey Description	)			11. Country or Parish, Carbon County, UT	State
	12. CHECK T	HE APPROPRIATE BC	X(ES) TO IN	DICATE NATURE	E OF NOTIC	CE, REPORT OR OTHE	ER DATA
TYPE OF SUBMISS	SION			TY	PE OF ACT	ION	····
Notice of Intent		Acidize Alter Casing	Dee Fra	epen cture Treat		uction (Start/Resume)	Water Shut-Off Well Integrity
Subsequent Report		Casing Repair Change Plans		v Construction g and Abandon		mplete porarily Abandon	Other Weekly Activity Report
Final Abandonment N	otice [	Convert to Injection	_	g Back	· — ·	r Disposal	·
following completion o	of the involved of eted. Final Abar is ready for fina	perations. If the operation of the operation of the peration o	on results in a	multiple completio	n or recomp	letion in a new interval,	orts must be filed within 30 days a Form 3160-4 must be filed once completed and the operator has
***STATE ONLY***							RECEIVED
							JAN 08 2009
							DIV. OF OIL, GAS & MINING
14. I hereby certify that the for Name (Printed/Typed)	pregoing is true ar	nd correct.	<u> </u>				
Tracey Fallang	1			Title Regulato	ory Analyst	·	
Signature	Macy	- Fallane		Date 01/05/20			
	0	THIS SPACE	FOR FED	ERAL OR ST	ATE OFF		
Approved by							
Conditions of approval, if any, that the applicant holds legal o entitle the applicant to conduct	r equitable title to	those rights in the subject				<u>ם</u>	ate
Title 18 U.S.C. Section 1001 a					id willfully to	o make to any department	or agency of the United States any false,

(Instructions on page 2)

\$		1	llang ONFIDENTIA	L		
Form 3160-5 (August 2007) UNITED STATES DEPARTMENT OF THE INTERIOR				)	C	
BUREAU OF LAND MANAGEMENT					5. Lease Serial No. UTU-0681	- <b>u</b>
Do not use this f	OTICES AND REPO form for proposals t Use Form 3160-3 (A	to drill or to	o re-enter an		6. If Indian, Allottee or N/A	Tribe Name
SUBMIT	TIN TRIPLICATE – Other	r instructions o	n page 2.		7. If Unit of CA/Agreen Peter's Point/UTU-63	
Oil Well 🛛 Gas W	Vell Other				8. Well Name and No. Peter's Point Unit Feo	leral 11-26D-12-16
2. Name of Operator Bill Barrett Corporation					9. API Well No. 43-007-31407	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	249-19-14-14	3b. Phone No. 303-312-813	. (include area code 4	)	10. Field and Pool or Ex Peter's Point/Wasatch	
4. Location of Well <i>(Footage, Sec., T., I</i> SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	R., M., or Survey Description,	)			11. Country or Parish, S Carbon County, UT	tate .
12. CHEC	K THE APPROPRIATE BO	X(ES) TO IND	ICATE NATURE (	OF NOTIC	CE, REPORT OR OTHER	R DATA
TYPE OF SUBMISSION			TYPI	E OF ACT	ION	
Notice of Intent	Acidize	Deep	en ure Treat	—	uction (Start/Resume) amation	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair		Construction and Abandon		mplete porarily Abandon	Other Weekly Activity Report
Final Abandonment Notice	Convert to Injection	Plug	Back	Wate	r Disposal	
13. Describe Proposed or Completed Op the proposal is to deepen directiona Attach the Bond under which the w following completion of the involvi- testing has been completed. Final A determined that the site is ready for Weekly completion activity report fro	Ily or recomplete horizontall ork will be performed or pro- ed operations. If the operatic Abandonment Notices must be final inspection.)	ly, give subsurf ovide the Bond l on results in a n be filed only aft	ace locations and more locations and more more more more more more more more	easured an M/BIA. R or recomp	d true vertical depths of a equired subsequent report letion in a new interval, a	all pertinent markers and zones. rts must be filed within 30 days 1 Form 3160-4 must be filed once
						REOFILE
					2. 43 9 	RECEIVED FEB 0 5 2009
					DI	OF OIL, GAS & MINING
<ol> <li>I hereby certify that the foregoing is tr Name (<i>Printed/Typed</i>)</li> <li>Tracey Fallang</li> </ol>	ue and correct.		Title Regulatory	Analvst		

7110			OTATE O	
IHIS	SPACE F	ERAL UR	SIAIEU	FFICE 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 k fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	nowingly and willfully to make	to any departme	ent or agency of the U	United States any false,

Date 02/02/2009

(Instructions on page 2)

Signature

4

Well Name : Peter's Point #11-26D-12-16

Phase/Area

ea West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

3

Ops Date : 1/28/2009 Report # :

AFE # : 15185D

Summary : SI.

End Time

Description

WELLCORE

	Bottom Hole Display	API #/L	cense
	NESW-26-12S-15E-W26M	43-007-31407	
ps Date :	: 1/30/2009 Report # : 5		
	: 15185D		
ummary :	: SI. BWWC EL stage 1 P.R. Safety	End Time	Description
meeting. Schlumberger frac stage 1. EL stage 2. Frac #2. EL stage 3 Run to setting depth set CFP did not shear off plugg. work EL could not pull off. Lowered crane pulled out of cable head. POOH lay down lub. Ready for Pomrenke to fish	5:30 AM	SICP:0	
	7:00 AM	BWWC EL stage 1 Price River. PU11 ft. perf guns. RIH correlate to	
	1.00 AW	short jt. run to perf depth. Perforate @ 7739-7744 & 7775-7780, 3 JSPF, 120 phasing, 19 gram charges390 holes. POOH with EL tools.	
	EL tools. SDFN	7:50 AM	Safety meeting. Frac and safety on loc. flowing wells. Schlumberger frac stage 1 Price River Clearfrac. Load & Break @ 4061 PSI @ 5.1 BPM. Avg. Rate: 35.8 BPM. Avg. Pressure: 5,334 PSI. Max. Rate: 36.8 bpm. Max Pressure: 6,086 PSI. Total Fluid Pumped: 13,396 gal. total sand in formation: 60,000 lb. (20/40 Jordan) Linde CO2 87 tons Cooldown & Downhole. ISIP: 3,618 psi. Frac Gradient: .90 psiSuccessfully flushed wellbore with b10 bbl over flush with 500 ga fluid cap.
		9:10 AM	BWWC EL stage 2 Price River. PU 10 ft. perf guns. with HES Obsidian frac plug with Bio plug. RIH correlate to short jt. run to setting depth set CFP @ 7670 ft. PU to perf depth. start pumping @ 2 BPM. Pressure max at 4000 psi. Perforate @ 7576-7586, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. no bleed off on casing. POOH with EL tools. turn well over to frac.
		10:10 AM	Schlumberger frac stage 2 Price River. Load & Break @ 5000 PSI @ 5.1 BPM. Avg. rate: BPM. Avg. Pressure:4470 PSI. Avg. Rate 25.8 Max. rate: 30.5 BPM. Max. Pressure:5,247 PSI. Total Fluid Pumped:10040 gal. Gal. Total Sand in Formation:42,600 lb.(20/40 Jordan) Praxair CO2: 53 tons. ISIP:3325 PSI. Frac Gradient:.87 psi/ft. Successfully flushed wellbore with 10 bbl over flush with 500 gal fluid cap.
		12:00 PM	BWWC EL stage 3. PU HES CFP with Bio plug. 8 ft. perf guns. RIH correlate to short jt. runto setting depth. set CFP @ 7500 ft. Could not get off plug with setting tool. worked EL. Flowed casing to flow tanks. Lowered crain pulled out of cable head. POOH with El. clean pull from cable head. Fish top @ 7425 CFP 7500 FT.23 FT. FISH. 3-1/8" OD. 1-7/16" CABLE HEAD.
		1:00 PM	Drain Equip. wait on El to fish perf giuns.
		11:59 PM	Shut in. Wait on Pomranky to fish tools.

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

Ops Date : 1/29/2009 Report # : 4

AFE # : 15185D

Summary : SI. Rig BWWC & Schlumberger to frac tree. SI.

End Time

11:59 PM SI Description



Well Name : Peter's Point #11-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

Ops Date : 1/31/2009 6 Report # :

AFE # : 15185D

Summary : SICP: 1700 psi. MIRU Pomrenke EL truck. Rig up through BWWC equipment.	End Time	Description
PU fishen tools. for 1-7/16" cable head.	7:00 AM	SICP: 1700 psi.
RIH tag fill at 7370 ft. 100 ft. fill over EL tools. POOH flow well through Opsco	8:00 AM	MIRU Pomrenke El truck to fish CCL, perf guns , setting tool with setting sleave.
equip. for 3 hours. recovered sand pressure was flowing 250 PSI. Shut in	9:00 AM	PU 1-7/16" over shot, slip jars. with HYD jars, two weight bars.
well. PU fishen tools. Pomrenke RIH tag	9:30 AM	Pomrenke RIH with fishen tools
fish at 7475 ft. work fishen tools could not latch on fish. POOH change fishen tool to pull shear as to beet down on fish. RIH work El fishen tools. could not latch on. Open well to flow back. latched on fish POOH with fish. Shut in. Lay down BWWC lub with finhen tools and perf gun with setting tool. RDMO Pomrenke EL & release. BWWC rig to perf stage 3. shut down for night.	10:15 AM	tag sand fill at 7370 ft. 100 ft over fish top. POOH.
	1:00 PM	Open well through Opsco flow equipment. two 48/64 cks. Recovered sand and fluid. PSI dropped to 250 psi. dry flow, shut in well.
	3:20 PM	Pomrenke RIH with fishen tools. Tag fish top @ 7475 ft. Could not latch on fish. POOH with tools. over shot showed to be hitting top center of cable head, laying next to casing wall.
	5:00 PM	Change out tools to pull shear release. RIH beat over shot on cable head could not latch on. Open well to flow tanks. work EL latched on fish. POOH shut in well.
	5:30 PM	Lay down lub with perf guns setting tool. CCI cable head. Pomrenke fishen string.
	6:30 PM	Rig down Pomrenke El and Release. Black Warrior Rig to perf and frac.
	6:30 PM	Shut in for night to build pressure to perf stage 3.AM.

WELLCORE

Well Name : Peter's Point #11-26D-12-16

Phase/Area

rea West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

#### Ops Date : 2/1/2009 Report # : 7

AFE # : 15185D

Summary : SICP: 900. Black Warrior El stage 3 stuck perf guns in sand. worked guns for 200 ft. before freeing guns.POOH Flow stages 1-3 through Opsco for 20 mins Schlumberger pump casing vol. flushed wellbore. Frac stage 3. BWWC EL stage 4. Wire Line truck water pump locked up. Wait on water pump. Rig down MO Schlumberger. Rig down BWWC (CFP set in BWWC Lub setting tool bleed off.) Flow back stage. SI. Build PSI.	End Time 5:40 AM 7:20 AM	Description Shut in 900 BWWC perf stage 3 PU 8 ft. perf gun. lost EL cable head shorted out guns did not test out. Rehead and change guns to 10 ft. RIH correlate to short jt. run to perf depth. Perforate @ 7329-7439, well went on suck lost 200 psi on surface. tools stuck in sand. work tools out of hole for 200 ft. before coming free. 3 JSPF, 120 phasing, 19
	8:40 AM 9:30 AM	gram charges390 holes. POOH turn well over to frac. flow stages 1-3 through Opsco equipment to move sand off of perfs. Schlumberger pump wellbore vol KCL water to flush sand. Cooldown CO frac stage 3 Clearfrac 70Q . Load & Break @4800 psi @ 18.5 BPM. Avg. Rate: 17.8 BPM. Avg. Pressure: 3,647 PSI. Max. Rate: 26.4 BPM. Max. Pressure: 4,966 PSI. Total Fluid Pumped: 348 BPM. Total Sand in Formation: 26,000 lb. (20/40 Jordan) Praxair CO2 Downhole: 36 tons. ISIP: 3,830 psi. frac gradient:: .95 psi/ft. Successfully flushed wellbore 30Q with 10 bbl over flush with 500 gal fluid cap.
	11:00 AM	BWWC EL stage 4. LDC. PU HES CFP with Bio plug 11 ft. perf guns. Pickup in Lub. Wire Line truck water pump locked up in truck, Pump had to come from Grand Jct. Colo. 5 hours out + repairs.
	11:30 AM	Shut in .
	1:30 PM	Rig down Wire line Crane and lub. Rig down Schlumberger slurry side of equipment move off Loc.
	1:31 PM	start flow back @ 11:45 Flow stages 1-3 to flow tank 1 hour and 40 mins. low flowing PSI. Shut in.
	11:59 PM	Shut in

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Form 3160-5 (August 2007)	UNITED STATES					0	FORM APPROVED DMB No. 1004-0137
BUREAU OF LAND MANAGEMENT						5. Lease Serial No.	xpires: July 31, 2010
Do not u	NDRY NOTICES se this form for d well. Use For	proposals	to drill or a	to re-enter a		If Indian, Allottee o	r Tribe Name
······································	SUBMIT IN TRIPL	ICATE - Othe	r instructions	on page 2.			ement, Name and/or No.
1. Type of Well				· · · · · · · · · · · · · · · · · · ·		Peter's Point/UTU-6	
Oil Well	Gas Well	Other				8. Well Name and No see attached	1 Fed 11-260-12-16
2. Name of Operator Bill Barrett Corporation						9. API Well No.	07 31407
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202			3b. Phone N 303-312-81	5. <i>(include area c</i> 34	ode)	10. Field and Pool or Peter's Point/Wasat	
4. Location of Well (Foota)	ge, Sec., T.,R.,M., or Su	rvey Description	i)			11. Country or Parish, Carbon County, UT	State
see attached		125	ILE	210		Carbon County, UT	
	12. CHECK THE AP	PROPRIATE BO	DX(ES) TO IN	DICATE NATUR	E OF NOTIO	CE, REPORT OR OTH	ER DATA
TYPE OF SUBMISS	ION			T	YPE OF ACT	ION	
Notice of Intent		dize	_	pen		uction (Start/Resume)	Water Shut-Off
		er Casing		cture Treat		amation	Well Integrity
Subsequent Report		ing Repair nge Plans		v Construction g and Abandon		mplete porarily Abandon	and measurement
Final Abandonment N		avert to Injection		g Back	-	r Disposal	
Attach the Bond under following completion of	which the work will be f the involved operation eted. Final Abandonme is ready for final inspe-	performed or pro- ns. If the operation of the operation o	ovide the Bond on results in a be filed only a	No. on file with multiple completi fter all requiremer	BLM/BIA. R on or recomp its, including	equired subsequent rep letion in a new interval reclamation, have been	f all pertinent markers and zones. borts must be filed within 30 days , a Form 3160-4 must be filed once completed and the operator has
Initial testing would occur After the intial test is perfo between tests. Revised s	ormed, BBC would m	ove to quarterly	/ testing, testi	ng each well for	hed and wou 7-10 days a	uld be a 1-3 day test nd rotating through th	to get a baseline for allocation. he wells without any downtime
							COPY SENT TO OPERATOR Date: <u>2-24-2019</u> Initials: <u>K-S</u>
<ol> <li>I hereby certify that the for Name (<i>Printed/Typed</i>)</li> <li>Tracey Fallang</li> </ol>	pregoing is true and corre	ect.		Title Regulat	ory Analyst		
Signature	up Fall.	ang		Date 02/10/2	009		
	() TI	HIS SPACE	FOR FED	ERAL OR ST	ATE OFF	ICE USE	
Approved by	met			Title R	et.Eny	· _	21905 This
Conditions of approval, if any, that the applicant holds legal o entitle the applicant to conduct	r equitable title to those r	of this notice does rights in the subje	s not warrant or ct lease which w	certify yould Office (	)06m	Federal Approv	cessary

 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.
 FEB 1 2 2003

 (Instructions on page 2)
 FEB 1 2 2003

WELL NAME	FIELD	COUNTY	QTR/QTR	SEC	TWN-RNG	FOO	TAG	E CAL	LS.	LEASE #	# OF TANKS
PETERS POINT U FED 3-36-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	572	Ν	2184	W	UTU-04049	(2) Multiple Well Prod Tank
PETERS POINT U FED 4-36D-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	617	N	2202	W	UTU-04049	(1) Prod Tank (15-25D)
PETERS POINT U FED 15-25D-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	602	N	2195	W	UTU-0681	(1) Test Tank
PETERS POINT U FED 13-25D-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	588	N	2189	w	UTU-0681	(1) Blowdown Tank
PETERS POINT U FED 14-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	225	Ş	1522	W	UTU-0681	
PETERS POINT U FED 3-35D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	208	s	1527	W	JTSL-07159	(4) Multiple Well Prod Tanks (1) Test Tank (1) Blowdown Tank
PETERS POINT U FED 15-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	239	s	1518	w	UTU-0681	
PETERS POINT U FED 13-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	254	s	1514	w	UTU-0681	
PETERS POINT U FED 10-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	270	s	1510	w	UTU-0681	
PETERS POINT U FED 11-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	285	s	1506	w	UTU-0681	
PETERS POINT U FED 12-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	301	s	1502	w	UTU-0681	
PETERS POINT U FED 6-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E	2044	N	2552	w	JTSL-07159	
PETERS POINT U FED 2-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E		· · ·	· · · · · ·			(3) Multiple Well Prod Tanks
PETERS POINT U FED 1-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E						(1) Test Tank
PETERS POINT U FED 7-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E	2106	N	2569	w	UTU-0681	(1) Blowdown Tank
PETERS POINT U FED 4-35D-12-16	PETER'S POINT	CARBON	SENW	35	the second s		_	the second s		JTSL-07159	
PETER'S POINT U FED 16-27-12-16	PETER'S POINT	CARBON	SESE	27		The second s				UTU-08107	
PETER'S POINT U FED 9-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E			790		UTU-08107	(2) Multiple Well Prod Tanks (1) Prod Tank (11-27D) (1) Test Tank (1) Blowdown Tank
PETER'S POINT U FED 15-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E			799		UTU-08107	
PETER'S POINT U FED 11-27D-12-16	PETER'S POINT	CARBON	SESE	27		1075		809		UTU-08107	
PETER'S POINT U FED 10-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E			819		UTU-08107	

	UNITED STATI	INTERIOR	NTI		OR MAPROVED MB No. 1004-0137 prires: July 31, 2010		
SUNDRY N Do not use this	EAU OF LAND MAN NOTICES AND REP form for proposals Use Form 3160-3 (A	<ul><li>5. Lease Serial No. UTU-0681</li><li>6. If Indian, Allottee of N/A</li></ul>	r Tribe Name				
SUBMI 1. Type of Well	T IN TRIPLICATE – Other	r instructions on page 2.		7. If Unit of CA/Agree Peter's Point/UTU-6	ement, Name and/or No. 3014		
🗌 Oil Well 🛛 🗹 Gas V	Vell Other	8. Well Name and No. Peter's Point Unit Fe					
2. Name of Operator Bill Barrett Corporation 3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	Address 3b. Phone No. (include area code)				9. API Well No. 43-007-31407 10. Field and Pool or Exploratory Area Peter's Point/Wasatch-Mesaverde		
4. Location of Well (Footage, Sec., T., SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	R., M., or Survey Description	11. Country or Parish, State Carbon County, UT					
12. CHEC	CK THE APPROPRIATE BO	DX(ES) TO INDICATE NATUR	E OF NOTIC	E, REPORT OR OTH	ER DATA		
TYPE OF SUBMISSION		ТУ	PE OF ACT	ION	•		
Notice of Intent	Acidize	Deepen Fracture Treat		uction (Start/Resume) amation	Water Shut-Off Well Integrity		
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon Plug Back	Temp	mplete porarily Abandon r Disposal	Cother Weekly Activity		
13. Describe Proposed or Completed O the proposal is to deepen direction Attach the Bond under which the v following completion of the involv testing has been completed. Final determined that the site is ready fo	ally or recomplete horizontal work will be performed or pro- ved operations. If the operati Abandonment Notices must	ly, give subsurface locations and ovide the Bond No. on file with I on results in a multiple completion	l measured an BLM/BIA. R on or recompl	d true vertical depths of equired subsequent rep- letion in a new interval,	f all pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once		
Weekly completion activity report fro	om 2/3/09 though 2/10/09	(report #'s 9-16).		•			

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14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)       Tracey Fallang         Tracey Fallang       Title	e Regulatory Analyst	
Signature Stally Fallongy Date	e 02/10/2009	
	L OR STATE OFFICI	EUSE
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	RECEIVED
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	knowingly and willfully to mal	te to any department or agency of the United States any false,
(Instructions on page 2)		· · · · · · · · · · · · · · · · · · ·

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Well Name : Peter's Point #11-26D-12-16

Phase/Area

a West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

Ops Date : 2/3/2009 Report # : 9

AFE # : 15185D

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Summary : SI. Rig up Coil Tubing Services. PU Weatherford downhole motor, 3-7/8" four	End Time	Description
bladed drag bit. Pressure test coil. pull	5:00 PM	Shut in
test, function test motor. RIH with coil and BHA. Tag and drill out. CFP #2 @ 7500 pump sweep. RIH tag and drill CFP #1 @ 7670 pump sweep. RIH clean out rat hole to 7920 pump sweep circ clean.	7:00 PM	Coil Tubing Services . Safety meeting. Coil work, Flow back equipment. safety on loc. MIRU on well
	7:20 PM	PU weatherford disc connect, downhole motor , 3-7/8" 4 bladed drag bit. Pressure test coil tbg. test motor, pull test.
Change rates to .50 BPM fluid 700 SCFM N2. POOH SI.	8:24 PM	RIH with coil tbg and BHA pumping .50 Fluid 3oo SCFM N2. tag @ 7500 CFP #2
	9:00 PM	Drill CFP #2 @ 7500 Pump sweep
	10:10 PM	RIH tag CFP #1 @ 7670 drill out sump sweep.
	10:40 PM	RIH rat hole tag @ 7754 clean out to 7920 ft. pump sweep. circ hole clean
	11:40 PM	Change pump rates to .50 BPM fluid and N2 to 700 SCFM. POOH
	11:59 PM	SI.

WELLCORE

Well Name : Peter's Point #11-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

#### Ops Date : 2/4/2009 Report # : 10

AFE #: 15185D

Summary : SI. Rig off well. Lay down Weatherford BHA. Rig down Coil Tubing Services unit , nipple up goat head. Release move out. Flow well, Shut in. MIRU Schlumberger frac equipment and Black Warrior EL. Perf stage 4. Frac #4 screened out in 4# sand stage. 4.5 bbl left in wellbore 150 ft... Flow back stage 4. recovered sand and crushed sand like 100 mesh. sample to test. EL stage 5. Frac #5. Shut in for night.

End Time Description 12:30 AM Shut in Rig coil off well Lay down Weatherford BHA/ Motor & bit 1:00 AM 2:00 AM Blow Coil tbg dry with N2. Rig down Coil unit and equipment. Nipple up goat head. 2:10 AM Release Coil Tubing Services Move off loc. ( Job well done). Flow well and shut in for rig up of frac and EL. 7:00 AM Rig up Black Warrior EL. Suhlumberger frac equip. 10:00 AM Black Warrior EL stage 4 LDC. PU HES CFP with Bio plug 11 ft. 10:00 AM Super Hero perf guns. RIH correlate to short jt. run to setting depth set CFP @ 7360 ft. PU perforate @ 7312-7317, 7301-7304 & 7289-7293 3 JSPF, 120 phasing. 21 gram charges. .370 holes. POOH turn well over to frac. Schlumberger frac stage 4 LDC 60Q. Clear frac. Load & Break @ 11:00 AM 5780 PSI @ 18.1 BPM. Avg. Pressure : 4,727 PSI Max Rate: 34 BPM. Max. rate: 34 BPM. Max. Pressure: 6204 Psi. Total Fluid Pumped: 17,727 gal. 505 bbl. Total sand in Formation: 77,349 lb. Praxair CO2: 512 bbl. Screened out frac in flush. 4.5 bbl left in wellbore. (Screened out frac in flush 4.5 bbl left in wellbore) 12:45 PM Flow back stage 4 Lower Dark Canyon. Bio plug in frac plug. Flowed for 3 hours 4:00 PM Flow stage 4 through Opsco equipment. flow showed 20/40 sand and crushed sand like 100 Mesh. BWWC EL stage 5 Upper Dark Canyon. PU HES CFP with BIO 5:10 PM plug in place. with 10 ft. perf gun. RIH correlate to short jt. run to setting depth set CFP @ 7240 ft. PU perforate Zone 5 with Owen Super Hero charges. Perf @ 7145-7155, 3 JSPF, 120 phasing, 21 gram charges. .370 holes. POOH turn well over to frac. Schlumberger frac stage 5 Upper Dark Canyon 70Q Clear frac. 6:10 PM Load & break @ 4,41 PSI @ 18.4 BPM. Avg. Rate: 28 BPM. Avg. Pressure: 4,178 PSI. Max. Rate: 34.2 BPM. Max. Pressure: 5,908 PSI. Total Fluid Pumped: 20,357 Gal. TotAL Sand in Formation: 94,500 lb. 20/40 Jordan ) Linde CO2: 118 tons downhole; ISIP: 4100 PSI. Frac Gradient: 1.00 psi/ft. Successfully flushed wellbore with 30Q foam 10 bbl over flush with 500 gal fluid cap. Shut in well for night. Drain Equipment.

11:59 PM

WELLCORE

Well Name : Peter's Point #11-26D-12-16

Phase/Area

vrea West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

#### Ops Date : 2/5/2009 Report # : 11

AFE # : 15185D

Summary : SICP: 1800. BWWC EL stage 6. Schlumberger frac stage 6. EL #7. Frac	End Time	Description
#7. EI #8. Frac #8. Shut in. Rig off well with frac equipment & Wire Line. Flow stages 1-8 through Opsco flow equipment. Clean up for sales. Move equipment to 10-26D.	6:00 AM 7:30 AM	SICP: 1800 Black Warrior EL stage 6 North Horn. PU HES CFP with bio plug 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 7070. PU start pumping @ 2 BPM. Perforate @ 6982-6992, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. POOH turn well over to frac.
	8:30 AM	Schlumberger frac stage 6 North Horn 60Q Clearfrac. Load & break @ 2065 PSI @ 5.3 BPM. Avg. Rate: 27.5 BPM. Avg. Pressure: 4,439 PSI. Max. Rate: 34.1 BPM. Max. Pressure: 6000 PSI. Total Fluid Pumped: 14,137 gal. Total Sand in Formation: 58,100 lb. (20/40 Jordan) Linde CO2 Downhole: 64 tons cooldown: 4 tons. ISIP:3900 PSI Frac Gradient: .99 psi/ft. Successfully flushed wellbore 30Q 10 bbl over flush with 500 gal. fluid cap.
	9:30 AM	Black Warrior EL stage 7 North Horn: PU HES CFP with 10 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 6460 ft. PU. Start pumping at 2 BPM Perforate @ 6366-6376, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. POOH turn well over to frac.
	10:10 AM	Schlumberger Frac stage 7 North Horn 60Q Clearfrac. Load & Break @ 2860 PSI @ 5.3 BPM. Avg. Rate:18.7 BPM. Avg. Pressure: 3,858 PSI. Max. Rate: 21.7 BPM. Max. Pressure: 4,499 PSI. Total Fluid Pumped: 7,780 gal. Total Sand in Formation: 22,400 lb. (20/40 Jordan) Praxair CO2 Downhole: 18 tons. ISIP: 3700 PSI. Frac Gradient: 1.01 psi/ft. Successfully flushed wellbore with 30Q foam 10 bbl over flush with 500 gal. fluid cap.
	11:20 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 @ 5580 ft. PU start pumping @ 2 BPM. Perforate @ 5464-5474, 3JSPF, 120 phasing, 19 gram charges, .390 holes. POOH turn well over to frac.
	11:50 AM	Schlumberger frac stage 8 North Horn 60Q Clearfrac. Load & Break @ 2510 PSI @ 5.5 BPM. Avg. Rate: 20.2 BPM. Avg. Pressure: 3,167 PSI. Max. Rate: 23 BPM. Max. Pressure: 3,549 PSI. Total Fluid Pumped: 8,512 Gal. Total Sand in Formation: 32,500 lb. (20/40 jordon) Praxair CO2: 36 tons. ISIP:2,780 PSI. Frac Gradient: .94 psi/ft. Successfully flushed wellbore with 30Q with 500 gal. fluid cap.
	1:30 PM	Shut in. Rig frac & EL off well.
	11:59 PM	Flow stages 1-8 through Opsco flow equipment. Clean up for sales.

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Well Name : Peter's Point #11-26D-12-16

Phase/Area

ea West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

Ops Date : 2/6/2009 Report # : 12

AFE # : 15185D

Summary : Flow stages 1-8 through Opsco	End Time	Description
equipment.	6:00 AM	Flow stages 1-8 FCP: 330 psi on 38 ck. recovered 30 bbl fluid in 12 hours
	11:59 PM	flow stages 1-8

WELLCORE

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Well Name : Peter's Point #11-26D-12-16

Phase/Area

ea West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

Ops Date : 2/8/2009 Report # : 14

AFE # : 15185D

Summary : Flow stages 1-8. MIRU Coil Tubing Services to drill out CFPs. PU Weatherford Downhole Motor,	End Time	Description
	6:00 AM	Flow stages 1-8 through Opsco.
disconnect, 4 bladed 3-7/8" drag bit.	1:45 PM	Flow stages 1-8
Safety Meeting. Pressure test coil and flow. Pull test, test Downhole Motor. RIH	2:30 PM	Coil Tubing Services & N2 on Loc.
pumping .50 BPM fluid with 300 SCFM N2. tag drill out CFP @ 5580. pumping 2	4:30 PM	Rig Coil, N2, fluid pump. PU Weatherford downhole Motor, disconnect, 3-7/8" 4 bladed drag bit.
BPM. 600 SCFM N2. RIH to CFP @ 6460 drill out, RIH tag CFP 7070, RIH	4:45 PM	Safety Meeting, flow back, drilling CFPs, Smoking area, Flare stack, flow lines. Wind from south 3 MPH blowing across loc.
drill CFP @ 7240, RIH tag drill on CFP 7359 drilling very hard N2 offline. made two ft. in two hours. No flow rate	4:55 PM	Pressure test Coil and flow lines Pull test disconnect, test downhole motor,with 3-7/8" 4 bladed drag bit.
two ft. in two hours. No flow rate change on surface drilling plugs.	6:00 PM	Open well. RIH pumping .50 BPM fluid with 300 SCFM N2.
	6:45 PM	tag CFP # 7 @ 5580 ft. drilled out pumping 2 BPM. with 500 SCFM N2. pumped 10 bbl sweep.
	8:25 PM	RIH tag 6240 drill part of CFP. 30 mins. pump 10 bbl sweep. to RIH tag CFP #6 @ 6460 ft. drill out pump sweep. pumping 2 BPM. 500 SCFM N2.
	10:20 PM	RIH tag CFP @ 7240 drill in 8 mins. pump 5 BBL sweep. no pressure change on surface flow. RIH tag and drill remainder of CFP
	11:59 PM	RIH tag CFP #5 @ 7363 ft. hard drilling made 3 ft. in 2 hours cut N2 trying to wash and drill. set all weight on bit could not stall motor.

#### Well Name : Peter's Point #11-26D-12-16

Phase/Area West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

Ops Date : 2/7/2009 Report # : 13

AFE # : 15185D

Summary : Flow stages 1-8 through Opsco equipment.

6:00 AM

End Time

6:00 AM

#### Description

Flow stages 1-8 through Opsco equip. FCP: 225 psi. on 1.5" flow line. recovered 53 bbl in 24 hours. Gas rate: 1.599 MMCFD. flow stages 1-8

WELLCORE

Well Name : Peter's Point #11-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

#### Ops Date : 2/10/2009 Report # : 16

AFE # : 15185D

Summary : Open on 1.5" flow line. Flow psi : 0. Wait on CTS_to arrive on loc. Rig Coil	End Time	Description
unit Weatherford jetting tool. Safety Meeting. RIH to 1000 ft start N2. run to 2000 ft. in fluid. unload wellbore start in with coil pumping 1000 SCFM N2. run to 7900 ft. recovered 96 bbl. 2.5 hours. RIH	6:00 AM	Open to flow tanks on 1.5" open flow line. PSI: 0
	10:00 AM	stages 1-8 open to flow tank. Wait on CTS crew.
	11:30 AM	Coil tubing Services Rig Weatherford jet nozzle. Nipple up on frac tree.
to bottom perfs. jet well running up and	11:30 AM	Safety Meeting. Pressure lines. Smoking area, Flow back. Coil work
down casing in perfs. POOH pumping 1000 SCFM N2. holding 500 psi on csg. Flow back through Opsco flow equipment and flare.	12:00 PM	RIH with Coil and jetting tool pumping 700 SCFM N2. wait to unload casing fluid before running in hole. Fluid level around 2000 ft.
	1:10 PM	ran to 6300 ft. recovered 96 bbls pumping 1000 SCFM N2. Holding 500 psi on casing flow.
	4:30 PM	Ran to ft. with coll pumping 300 SCFM. N2. Pulling up hole @ 20 ft. min. run up and down through perfs. holding 500 psi on casing flow. on 38 choke. recovered 60 bbl in two hours. fluid rate of .25 BPM at flow tank. CO2, N2. small amount of gas.
	6:30 PM	RIH to 7780 bottom perf start out of hole pumping 1000 SCFM N2. pulling 60 ft min. holding 500 psi on casing making .25 BPM fluid. CO2, N2. 5:30 PM started seeing light gas Total bbls recovered for day 246.6 bbl.
	7:30 PM	Shut in Rig Coil Tbg. off well . Rig down move off. Released CTS.
	11:59 PM	Open casing flow back through Opsco flow equipment.

#### Well Name : Peter's Point #11-26D-12-16

Phase/Area

a West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

#### Ops Date : 2/9/2009 Report # : 15

AFE # : 15185D

Summary : Drill CFP @ 7363 very hard drilling. made 1 ft. in 2 hours 20mins. Pump sweep.	End Time	Description
POOH with coil and BHA pumping .75 BPM. with 700 SCFM. N2. SI. drag bit	2:30 AM	drill on hard sand and CFP making no progress on drilling. stopped drillingat 7363 ft.
ground off flat on face. Chane out bit to Concave 3-7/8" mill, function test motor pressure test to 3000. RIH pumping 1 BPM N2 at 300 SCFM, Weiight check start pumping 2 BPM with N2 offline. tag	4:00 AM	out of hole. ND disconnect tools. cut of 150 ft. tubing. drag bit flat blades ground off
	5:00 AM	connect tool string. PU 3-7/8" concave mill. test 25K. pressure test 2500. function test 1.5 bpm / 3000
and drill from 7361 to 7369 pump sweep.	5:30 AM	N/U to frac stack.
TIH to 7861 tag clean out to 7920 ft PBTD. pump sweep. circ hole clean.	7:42 AM	Trip in hole with coil and BHApumping 1 BPM / 300 scfm on plug @ 7361 ft.
POOH with coil .	8:42 AM	drill on plug @ 7361 no plug @ 7369
	8:56 AM	RĨH tag at 7861
	10:30 AM	drillm out from 7861 to 7920 ft. pumping 2 bpm. with 500 scfm N2 pumped 20 bbl sweep.
	12:30 PM	POOH with coil. shut in rig off well. move to 10-26d.

BUR	UNITED STATI PARTMENT OF THE EAU OF LAND MAN	INTERIOR II ID L JAGEMENT	NT	0	ORM APPROVED MB NG 1004 0137 spires (July 17, 20)00000000000000000000000000000000000
Do not use this		ORTS ON WELLS to drill or to re-enter ar NPD) for such proposal		6. If Indian, Allottee o N/A	r Tribe Name
SUBMI	T IN TRIPLICATE - Other		ement, Name and/or No.		
1. Type of Well				Peter's Point/UTU-6	
🗌 Oil Well 🛛 🔽 Gas V	Vell Other			8. Well Name and No. Peter's Point Unit Fe	ederal 11-26D-12-16
2. Name of Operator Bill Barrett Corporation				9. API Well No. 43-007-31407	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		3b. Phone No. <i>(include area co</i> 303-312-8134	de)	10. Field and Pool or E Peter's Point/Wasate	
4. Location of Well (Footage, Sec., T., SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	R., M., or Survey Description	11. Country or Parish, State Carbon County, UT			
12. CHE0	CK THE APPROPRIATE BO	DX(ES) TO INDICATE NATURI	E OF NOTIC	CE, REPORT OR OTHI	ER DATA
TYPE OF SUBMISSION		TY	PE OF ACT	ION	
Notice of Intent	Acidize	Deepen Fracture Treat	=	uction (Start/Resume)	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Construction	=	mplete	Other Weekly Activity
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back		oorarily Abandon r Disposal	Report
13. Describe Proposed or Completed O the proposal is to deepen direction Attach the Bond under which the v following completion of the involv testing has been completed. Final determined that the site is ready fo	ally or recomplete horizontal work will be performed or pro- ved operations. If the operati Abandonment Notices must	ly, give subsurface locations and ovide the Bond No. on file with B on results in a multiple completio	measured an LM/BIA. R n or recomp	d true vertical depths of equired subsequent rep- letion in a new interval,	f all pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once
Weekly completion activity report fro	om 2/11/09 though 2/18/09	) (report #'s 17-18).			

14. I hereby certify that the foregoing is true and correct.         Name (Printed/Typed)         Tracey Fallang         Tit	le Regulatory Analys	t
Signature Stally Fallownay Da	_{te} 02/18/2009	
THIS SPACE FOR FEDERA	L OR STATE OF	FICE USE
Approved by		1
	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	RECEIVED
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	knowingly and willfully	to make to any department or a <b>FEB</b> f <b>De Jin 2009</b> tes any false,
(Instructions on page 2)		DIV. OF OIL, GAS & MINING

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Well Name	Peter's Point #11-26D-12-16	Phase	e/Area West Tavaputs
	Bottom Hole Display	API #/L	icense
	NESW-26-12S-15E-W26M	43-007-31407	
Ops Date	: 2/12/2009     Report # :   18		
AFE #	: 15185D		
Summary	: Flow stages 1-8 through Opsco Equip. FCP: 350 psi on 48 ck. recovered 81 bbl	End Time	Description
	in 18.5 hours	12:00 AM	Flow stages 1-8 FCP: 350 psi on 48 ck. recovered 56 bbl in 18.5 hours CO2 7% gas rate of 1.984 mmcfd
		12:00 PM	put casing to production sales.
Well Name :	Peter's Point #11-26D-12-16	Phase	
	Bottom Hole Display NESW-26-12S-15E-W26M	API #/Li 43-007-31407	Icense
•	2/11/2009 Report # : 17 15185D	L	
AFE # :	15185D Flow stages 1-8 through Opsco	End Time	Description
AFE # :	15185D	End Time 6:00 AM	Description Flow stages 1-8 FCP: 320 psi on 34 ck. recovered 100 bbl in 12 hours avg. 10 BPM gas rate: 0.902 MCFD
AFE # :	15185D Flow stages 1-8 through Opsco equipment to flare. FCP: 320 psi on 34		Flow stages 1-8 FCP: 320 psi on 34 ck. recovered 100 bbl in 12

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Form 3160-5 (August 2007) DEP BURI	UNITED STATES ARTMENT OF THE IN EAU OF LAND MANAG	CONFIDEN TERIOR GEMERTS	EN	ОМ	RM APPROVED B No. 1004-0137 ires: July 31, 2010	
Do not use this f	OTICES AND REPOR orm for proposals to o Use Form 3160-3 (APL	drill or to re-enter	an als.	6. If Indian, Allottee or 7 N/A	fribe Name	
SUBMI	TIN TRIPLICATE – Other ins			7. If Unit of CA/Agreem Peter's Point/UTU-63		
1. Type of Well Oil Well Gas W	Vell Other			8. Well Name and No. Peter's Point Unit Feo	leral 11-26D-12-16	
2. Name of Operator Bill Barrett Corporation				9. API Well No. 43-007-31407		
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		. Phone No. <i>(include area</i> 03-312-8134	code)	10. Field and Pool or Ex Peter's Point/Wasatch		
4. Location of Well (Footage, Sec., T., SESW, 285 FSL, 1506 FWL Sec. 26, T12S-R16E	R., M., or Survey Description)			11. Country or Parish, State Carbon County, UT		
12. CHEC	K THE APPROPRIATE BOX(	ES) TO INDICATE NATI	JRE OF NOTI	CE, REPORT OR OTHE	R DATA	
TYPE OF SUBMISSION			TYPE OF ACT			
Notice of Intent	Acidize	Deepen Fracture Treat	Recl	luction (Start/Resume) lamation	Water Shut-Off	
Subsequent Report	Casing Repair	New Construction Plug and Abandon		omplete porarily Abandon	Other	
Final Abandonment Notice	Convert to Injection	Plug Back		er Disposal		
Attach the Bond under which the following completion of the invol- testing has been completed. Final determined that the site is ready for This sundy is being submitted as no	Abandonment Notices must be or final inspection.)	filed only after all requirer	nents, meruanig	g reclamation, have been	completed and the operator has	
	•	<b>、</b>		4 -		
<ul> <li>14. I hereby certify that the foregoing is Name (<i>Printed/Typed</i>)</li> <li>Tracey Fallang</li> </ul>	true and correct.	Title Reg	ulatory Analys	st		
Signature Hacuy	Fallance		7/2009			
	THIS SPACE F	OR FEDERAL OR	STATE O	FICE USE		
Approved by		 Title		I	Date	
Conditions of approval, if any, are attach that the applicant holds legal or equitable entitle the applicant to conduct operation	title to those rights in the subject	not warrant or certify lease which would Offic				
Title 18 U.S.C. Section 1001 and Title 4 fictitious or fraudulent statements or rep	3 U.S.C. Section 1212, make it a	crime for any person knowin in its jurisdiction.	gly and willfully		Er Gerry MAChined States any false,	
(Instructions on page 2)					FEB 2 3 2009	
				DIV. C	OF OIL, GAS & MINING	

DIV. OF OIL,	GAS &	MINING
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	UNITED STATES ARTMENT OF THE IN EAU OF LAND MANA			5. Lease Serial No.	
Do not use this f	OTICES AND REPOR orm for proposals to Use Form 3160-3 (AP	UTU-0681 6. If Indian, Allottee or N/A	Tribe Name		
	IN TRIPLICATE – Other in	7. If Unit of CA/Agreen Peter's Point/UTU-63	•		
1. Type of Well ☐ Oil Well ☑ Gas W	ell Other			8. Well Name and No. Peter's Point Unit Fe	
2. Name of Operator Bill Barrett Corporation				9. API Well No. 43-007-31407	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		<ol> <li>Phone No. (include area coa 03-312-8134</li> </ol>	le)	10. Field and Pool or E Peter's Point/Wasatc	
4. Location of Well <i>(Footage, Sec., T., F</i> SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	R., M., or Survey Description)		<u></u>	11. Country or Parish, S Carbon County, UT	State
12. CHEC	K THE APPROPRIATE BOX	(ES) TO INDICATE NATURE	OF NOTIO	CE, REPORT OR OTHE	R DATA
TYPE OF SUBMISSION		TYI	PE OF ACT	ION	
Notice of Intent	Acidize	Deepen Fracture Treat		uction (Start/Resume) amation	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Construction Plug and Abandon		omplete porarily Abandon	Other Weekly Activity Report
Final Abandonment Notice	Convert to Injection	Plug Back	·····	er Disposal	
13. Describe Proposed or Completed Op the proposal is to deepen directiona Attach the Bond under which the w following completion of the involve testing has been completed. Final A determined that the site is ready for	Ily or recomplete horizontally, ork will be performed or provi ed operations. If the operation Abandonment Notices must be	give subsurface locations and i de the Bond No. on file with B. results in a multiple completion	measured an LM/BIA. F n or recomp	nd true vertical depths of Required subsequent repo pletion in a new interval,	all pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once
Weekly completion activity report fro	m 3/6/09 though 3/11/09 (re	port #'s 19-20).			
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<ol> <li>14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)</li> </ol>		
Tracey Fallang Tit	tle Regulatory Analyst	
Signature Macus Fallance Da	ate 03/12/2009	
() THIS SPACE FOR FEDERA	L OR STATE OFF	ICE USE
Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certif that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any persor fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	1 knowingly and willfully to	make to any department or agency of the United States any false, <b>RECEIVED</b>
(Instructions on page 2)		

MAR	1	6	2009
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DIV. OF OIL. GAS & MINING

West Tavaputs Well Name : Peter's Point #11-26D-12-16 Phase/Area Bottom Hole Display API #/License NESW-26-12S-15E-W26M 43-007-31407 Ops Date : 3/11/2009 Report # : 20 AFE #: 15185D Summary : ND frac stack, remove isolation End Time Description manderel, NU BOP, PU/MU bit and TIH on 8' sub - xn-nipple - and TBG, tag kill 9:00 AM ND frac stack, screw in manderel sub and pull out isolation tool w/ rig blocks. NU BOP. plug @ 5000', drill out plug w/ N2 unit, PU TBG and tag fill @ 7857' drill out plug 12:00 PM PU TBG and TIH to kill plug @ 5000' cone and clean out sand to PBTD @ RU pwoer swivel and N2 unit, drill out kill plug w/ 20 BBLS water 1:00 PM 7920' pump by a 20 BBLS sweep head, circulate 20 mins w. N2. fallowed by a 15 BBLS N2, TOH to string 4:00 PM PU TBG and tag fill @ 7857' float, SDFN let clean up and send to production facility. 6:00 PM RU power swivel and N2 unit, drill out plug cone and clean out sand to PBTD @ 7920' pump a 20 BBLS sweep fallowed by 15 BBL N2. 7:00 PM RD power swivel, TOH w/ 90 JTS TBG to string float, 6:00 AM flow back well and let clean up, send to production facility. SDFN

#### Well Name : Peter's Point #11-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NESW-26-12S-15E-W26M	43-007-31407

- Ops Date : 3/10/2009 Report # : 19
  - AFE # : 15185D

Summary : MI/RU spot in TBG and N2 unit, RU PSI WL and RIH, collar locator failed @ 3600'	End Time	Description
POOH, x-out locator, RIH and set 8k	9:00 AM	MI/RU rig and equipment.
composite bridge plug @ 5000' POOH and RD WL, bleed off pressure, ND frac	11:00 AM	PSI WL show and didnt have right size flange, wait on flange, spot in TBG on pipe racks and RU N2 unit lines.
tree and isolation manderel still in the well head, NU frac tree and SDFN SWIFN.	2:00 PM	RU WL and RIH w/ comp. bridge plug_and collar locator malfunction, POOH and x-out locator, RIH and set plug @ 5000', POOH and RD WL.
	3:30 PM	bleed off 700 PSI and plug held.
	4:30 PM	ND frac tree and isolation manderel still in the well head tried to move w/ pipe wrenches.
	6:00 AM	SDFN SWIFN

SUND Do not use	UNITED STATI DEPARTMENT OF THE BUREAU OF LAND MAN RY NOTICES AND REP this form for proposals	INTERIOR VAGEMENT ORTS ON WELLS to drill or to re-enter an	)		RM APPROVED MB No. 1004-0137 pires: July 31, 2010 r Tribe Name	
abandoned w	rell. Use Form 3160-3 (A	(PD) for such proposals	5.			
S	UBMIT IN TRIPLICATE – Othe	r instructions on page 2.		7. If Unit of CA/Agree Peter's Point/UTU-6	ment, Name and/or No. 3014	
	Gas Well Other			8. Well Name and No. Peter's Point Unit Fe	deral 11-26D-12-16	
2. Name of Operator Bill Barrett Corporation				9. API Well No. 43-007-31407	- · · · · · · · · · · · · · · · · · · ·	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		3b. Phone No. <i>(include area cod</i> ) 303-312-8134	le)	10. Field and Pool or Exploratory Area Peter's Point/Wasatch-Mesaverde		
4. Location of Well <i>(Footage, S</i> SESW, 285' FSL, 1506' FWL Sec. 26, T12S-R16E	ec., T.,R.,M., or Survey Description	1)		11. Country or Parish, State Carbon County, UT		
12.	CHECK THE APPROPRIATE BO	OX(ES) TO INDICATE NATURE	OF NOTIC	CE, REPORT OR OTHI	ER DATA	
TYPE OF SUBMISSION		ТҮР	PE OF ACT	ION		
Notice of Intent	Acidize	Deepen Fracture Treat	_	uction (Start/Resume) amation	Water Shut-Off	
Subsequent Report	Casing Repair	New Construction Plug and Abandon		mplete porarily Abandon	Other Weekly Activity Report	
Final Abandonment Notice	Convert to Injection	Plug Back	Wate	r Disposal		
the proposal is to deepen din Attach the Bond under whic following completion of the	eted Operation: Clearly state all pe rectionally or recomplete horizonta h the work will be performed or pr involved operations. If the operat Final Abandonment Notices must	lly, give subsurface locations and n ovide the Bond No. on file with BI ion results in a multiple completion	neasured an LM/BIA. R 1 or recompl	d true vertical depths o equired subsequent rep letion in a new interval,	orts must be filed within 30 days a Form 3160-4 must be filed once	

Weekly completion activity report from 3/12/09 though 3/19/09 (report #'s 21-22).

determined that the site is ready for final inspection.)

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14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Tracey Fallang	Title Regulatory Analys	t
Signature Macus Fallance	Date 03/19/2009	
THIS SPACE FOR FEDER	AL OR STATE OF	FICE USE
Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or cer that the applicant holds legal or equitable title to those rights in the subject lease which wou entitle the applicant to conduct operations thereon.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any per- fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	on knowingly and willfully	to make to any department or agency of the United States any false,
(Instructions on page 2)		MAR 2 5 2009
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	Bottom Hole Display	API #/Li	icense					
	NESW-26-12S-15E-W26M	43-007-31407	<u>.</u>					
Ops Date :	3/13/2009 Report # : 22							
AFE # :	15185D							
Summary :	equalize TBG and CSG, RIH w/ slick line and retrieving tool, sting in CVR sleeve	End Time	End Time Description					
	blanking tool and let equalize, release plug POOH and LD plug RD/MO slick line	8:00 AM	well flowing to sell line, wait on slick line truck. SWI and equalize TBG, flow back CSG to sell line.					
	leave well flowing to sell line.	9:00 AM		PU/MU retrieving to ualize, release slee		g in CVR blanking plug D plug RD/MO.		
		6:00 AM	flow to :	sell line.				
/ell Name :	Peter's Point #11-26D-12-16	Phase	/Area	West Tavaputs		:		
	Bottom Hole Display	API #/License						
	NESW-26-12S-15E-W26M	43-007-31407						

Ops Date : 3/12/2009 Report # : 21

AFE # : 15185D

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Summary : kill TBG and LD string float, TOH and pump off bit sub, PU/MU xn-nipple w/	End Time	Description
plug and CVR sleeve, TIH and land TBG	8:00 AM	pump a 5 BBLS kill on TBG and LD string float.
in well head, TBG sting is, 195 jts 2 3/8" - CVR sleeve @ 6368.18 - 1 JT - xn-nipple	9:00 AM	TOH w/ TBG and RU pump and pump off bit sub, PU/MU xn-nipple w/ retrievable plug.
w/ ret plug - 42 JTS 2 3/8" - xn-nipple - 8' sub - re-entry guide. EOT @ 7785.84, ND	11:00 AM	wait on CVR sleeve.
BOP NU production tree CSG flowing to production facility @ +/- 1.5 MCF RD/MO	2:00 PM	PU/MU CVR sleeve TIH w/ TBG to chase pump off bit to PBTD @ 7920' LD TBG and wait on TBG hanger.
CVR sleeve @ 6368.18, perferation range 5456' - 7780', EOT @ 7785.84, PBTD @ 7920' (had 63' of fill cleaned out	3:00 PM	PU/MU TBG hanger and land TBG in well head, TBG string is 195 JTS 2 3/8" - CVR sleeve - 1 JT - xn-nipple w/ ret plug - 42 JTS - xn-nipple - 8' sub - re-entery guide, EOT @ 7785.84 ND BOP NU production tree, well flowing up CSG @ +/- 1.5mcf
to PBTD)	3:30 PM	RD/MO
	6:00 AM	flow to production facility.

Form 3§ 60-4 (August 200					RTME	TED STAT NT OF THE LAND MAI	E IN	ITERIO			•					FORM A OMB NO Expires: Ju	. 100	)4-0137
	W	ELL CO	MPL	ETIO	N OR F	RECOMPLE	TIC	ON REF	PORT	AND I	LÕG				ease Ser J-0681	ia Col	$\mathcal{I}$	
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		Othe	r:													A Agreeme nt Unit/U1		
2. Name of ( Bill Barrett	Operator Corporation	on														me and Wel nt Unit Fe		-26D-12-16
3. Address			300						Phone N		lude ar	rea code	e)	9. A	FI Well	No.	<u> </u>	
	Denver, CO of Well <i>(Re</i>		ion cle	arly and	l in accord	ance with Feder	ral r		03-312-8 nts)*	5134					007-314 Field and	407 d Pool or E:	xplora	atory
		-		•				,								int/Wasato		
At surface	SESW,	285' FSL	, 1506	5' FWL											Sec., T., Survey o	R., M., on l		
At top prov	d interval r	enorted be	low N		1919' ES	L, 1995' FWL	Se	ac 26						12	County	or Parish	. 26, 1	12S-R16E 13. State
		,					, 00	. 20							bon Co			UT
At total de	pm	V, 2000' I			D. Reache			16 D	Date Comp	alatad (	12/02/	2000				ns (DF, RK	BR	
08/21/2008	В			/15/200	08				D & A		Ready	to Prod		716	2' GL			
18. Total De		7978' 7564'			19. Ph			D 7931' D 7517'			20. T	Depth B	ridge Plug		MD N TVD	1/A		
21. Type El	ectric & Oth	er Mechani										Was wel Was DS	Il cored?	N DZ		Yes (Subm Yes (Subm		
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23. Casing	T	· · · · · · · · · · · · · · · · · · ·		T				Stage Co	ementer	No.	of Sk	s. &	Slurry	· Vol.	C		<u>г</u>	Amount Pulled
Hole Size	Size/Gra		. (#/ft.)		p (MD)	Bottom (ME	)) 	Dep			of Ce		<u>(BE</u>		<u> </u>	ent Top*	0 16	
<u>20"</u> 12 1/4"	16" H40 9 5/8" J-	65 55 36		0		80'		N/A N/A		450 P	ceme Prem	ent	92 bbis		Surfact Surfact		0 16	
	0000	00 00/		Ť						1001			01 00.0					·
8 3/4" &	4 1/2" 1-8	30 11.	6#	0		7977'		N/A		1920	50/50	)	503 bbl	s	1030'		15,	000 lbs
7 7/8"																		
24. Tubing	Record							L							l		I	
Size	Depth S	Set (MD)	Pac	ker Dept	h (MD)	Size		Depth Se	t (MD)	Packer	Depth	(MD)	Siz	e	Dept	h Set (MD)		Packer Depth (MD)
2 3/8" 25. Producin	6,407 ng Intervals					2 7/8"		7786' 26. Per	rforation I	Record	54	109						
	Formation				op	Bottom			forated In	terval		•	Size		Holes	0	Pe	rf. Status
A) Mesave B) Wasatc		····-		7145'		7780' 6992'		7739' - 7 7576' - 7				0.39		33 Open 30 Open				
$\frac{c}{C}$				5464'		0992		7429' - 7				0.39		30		Open		
D)								7289' - 7	7317'			0.39	n	33		Open		
27. Acid, Fr	acture, Trea Depth Inter		ment S	queeze,	etc.					Amount	and T	vne of N	Material					
7739' - 778		vai	5	Stage 1	: 70% CC	D2 foam frac:	84	tons CO2				<u> </u>		10 Jorda	an-Unin	nin Sand		
7576' - 758	86'		5	Stage 2	: 70% C	O2 foam frac:	59	tons CO	2; 239 b	bls tot	al fluid	d; 42,6	00# 20/	40 Jord	an-Unir	nin Sand		
7429' - 743		·····				O2 foam frac:						·			• • • • • • • • •			
7289' - 73' 28. Producti		I A .	S	Stage 4	: 70% C	O2 foam frac:	94	tons CO	2; 422 b	bls tot	al fluid	d; 77,3	49# 20/4	10 Jord	an-Unir	nin Sand		
Date First		Hours	Test		Oil	Gas	Wa		Oil Grav		,	as .	4	luction N	Aethod			
Produced	0.000	Tested	Prod	uction	BBL	MCF	BB	L	Corr. Al	21	G	ravity	FIC	wing				
	3/6/09 Tbg. Press.	24 Csg	24 H	r	0 Oil	1716 Gas	1 Wa	ter	Gas/Oil		w	ell Stat	us					
	Flwg.	Press.	Rate		BBL	MCF	вв		Ratio			roduci						
64/64"	0	303	-		0	1716	1											
28a. Produc Date First		al B Hours	Test		Oil	Gas	Wa	ter	Oil Grav	vitv	- h	as	Prov	luction N	Aethod			
Produced	rest Date	Tested			BBL	MCF	BB		Corr, Al	-		as ravity			Actilou			
	Tbg. Press. Flwg. SI	Csg. Press.	24 H Rate		Oil BBL	Gas MCF	Wa BB		Gas/Oil Ratio		W	ell Stat	us				~~~~	
*(See instr	uctions and	spaces for	additi	onal dat	a on page :	2)		·····.								R	<u>-C</u>	EIVED

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28b. Prod	uction - Inte	erval 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	SI	Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
28c. Produ			hr	6.1		111-1-1	616		Desite the Medical
Date First Produced	ll est Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. Sl	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
29. Dispos Sold	sition of Ga	s (Solid, u	sed for fuel, ve	nted, etc.,	)	!	I	I	

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

Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Тор
) offication	TOP	Dottom	Descriptions, contents, etc.		Meas. Depth
				Wasatch North Horn	3403' 5519'
					~104
				Dark Canyon Price River	7134' 7323'
				-	
				то	7978'

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 7201'.

33. Indicate which items have been attached by placing a ch	eck 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 informat	ion is complete and correct as	determined from all availa	able records (see attached instructions)*
Name (please print) Tracey Fallang	Ti	tle Regulatory Analys	t
Signature <u>Jacus</u> Falle	men Da	ite <u>4/14/0</u>	9
Title 18 U.S.C. Section 1001 and Title 48 U.S.C. Section 12 false, fictitious or fraudulent statements or representations as			Ily to make to any department or agency of the United States any
(Continued on page 3)			(Form 3160-4, page 2)

26. PERFOR	RATION RECO	)RD (cont.)	)			27. ACID, FR	ACTU	RE, TREATM	ENT, CE	MENT SQUEEZE	L, ETC. (cont	.)
INTI	ERVAL Bot-MD)	SIZE	NO. HOLES	PERFORATION STATUS	AMOUNT AND TYPE OF MATERIAL							
7145'	7155'	0.37	30	Open	Stg 5	70% CO2 foam frac:	113	tons CO2	532	bbls total fluid	97,280#	20/40 Jordan- Unimin Sand
6982'	6992'	0.39	30	Open	Stg 6	70% CO2 foam frac:	61	tons CO2	337	bbls total fluid	58,100#	20/40 Jordan- Unimin Sand
6366'	6376'	0.39	30	Open	Stg 7	70% CO2 foam frac:	29	tons CO2	185	bbls total fluid	22,400#	20/40 Jordan- Unimin Sand
5464'	5474'	0.39	30	Open	Stg 8	70% CO2 foam frac:	36	tons CO2	203	bbls total fluid	32,500#	20/40 Jordan- Unimin Sand

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

## **Directional Surveys**

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#### Location Information **Business Unit** Phase/Area Surface Location West Tavaputs SESW-26-12S-15E-W26M Operations Main Hole Project Well Name Uinta Peter's Point #11-26D-12-16 **Bottom Hole Information** Survey Section Details KOP Date TMD TVD TD Date Section KOP UWI API / License # (ft) (ft) (ft) NESW-26-12S-15E-W26M 43-007-31407 1140.00 10/24/2008 7978.00 11/1/2008 Main Survey Information Magnetic Dec. Correction (°) Survey Company Direction of Vertical Section (°) 16.01 11.64 Weatherford

Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	0.00	0.00	0.00	0.00	15.50	0.00		0.00		0.00	0.00
	1090.00	1.29	209.50	1089.86	-1074.36	10.68	s	6.04	w	-11.93	0.12
	1185.00	1.00	349.16	1184.84	-1169.34	10.80	S	6.72	W	-12.23	2.27
	1280.00	3.88	2.79	1279.73	-1264.23	6.77	S	6.72	W	-8.36	3.07
	1376.00	6.50	4.41	1375.31	-1359.81	1.89	N	6.15	W	0.12	2.73
	1470.00	8.63	13.41	1468.47	-1452.97	14.06	N	4.10	W	12.38	2.59
	1565.00	10.50	18.91	1562.14	-1546.64	29.18	N	0.36	E	28.14	2.19
	1660.00	12.38	16.16	1655.24	-1639.74	47.15	N	5.99	E	46.97	2.06
	1755.00	14.56	15.91	1747.61	-1732.11	68.41	N	12.10	E	69.10	2.30
	1850.00	17.56	16.29	1838.87	-1823.37	93.65	N	19.40	E	95.37	3.16
	1945.00	20.63	15.91	1928.61	-1913.11	123.50	N	28.00	E	126.44	3.23
	2039.00	20.03	15.79	2015.88	-2000.38	157.06	N	37.53	E	161.32	2.46
	2134.00	24.44	15.79	2102.87	-2087.37	193.78	N	47.91	E	199.48	1.58
	2229.00	26.81	15.16	2188.51	-2173.01	233.37	N	58.86	E	240.56	2.51
	2324.00	29.63	16.41	2272.19	-2256.69	276.58	N	71.10	E	285.46	3.03
	2324.00	30.06	15.91	2353.72	-2338.22	321.51	N	84.12	E	332.24	0.53
<u> </u>		29.56	14.29	2436.15	-2420.65	367.10	N	96.43	E	379.46	1.00
	2513.00 2608.00	29.56	14.29	2518.71	-2503.21	412.65	N	108.03	E	426.44	0.20
	2703.00	30.25	16.04	2600.98	-2585.48	458.49	N	120.46	E	473.93	1.06
		29.87	14.98	2683.20	-2667.70	504.34	N	133.18	E	521.51	0.69
	2798.00		16.41	2765.40	-2749.90	550.19	N	146.07	E	569.13	0.89
	2893.00	30.31		2785.40	-2832.46	597.15	N	140.01	E	618.12	0.79
	2989.00	31.06	16.66 17.79	2929.57	-2032.40	643.58	N	174.41	E	666.72	0.85
	3084.00	30.50		3009.22	-2993.72	687.45	N	188.38	E	712.74	1.03
	3176.00	29.56	17.54	3009.22	-2995.72	730.93	N	201.86	E	758.26	1.30
	3270.00	28.38	16.91 16.29	3174.03	-3158.53	773.97	N	214.69	E	803.16	0.46
	3364.00	28.69		3174.03	-3138.53	817.20	N	214.00	E	848.16	0.57
	3457.00	29.19	15.91 15.41	3338.10	-3322.60	862.25	N	239.79	E	894.94	0.70
	3552.00	29.81		3420.11	-3404.61	908.38	N	252.84	E	942.88	1.13
	3647.00	30.81	16.16		-3485.21	954.67	N	266.86	E	991.24	0.83
	3741.00	31.13	17.54	3500.71 3582.11	-3465.21	1001.27	N	281.93	E	1040.19	0.45
	3836.00	30.94	18.29			1047.79	N	297.85	E	1089.30	0.81
	3931.00	31.40	19.48	3663.40	-3647.90 -3729.05	1047.79	N	314.39	E	1138.59	0.19
	4026.00	31.25	19.66	3744.55 3825.77	-3729.05	1140.75	N	330.92	E	1187.78	0.07
	4121.00	31.25	19.54					347.14	E	1236.81	0.60
ļ	4215.00	31.75	19.04	3905.91	-3890.41	1187.11 1233.97	N N	363.66	E	1286.40	0.62
	4310.00	31.31	19.79	3986.89	-3971.39		N	380.69	E	1335.55	0.49
	4405.00	31.19	20.66	4068.11	-4052.61	1280.21 1324.94	N	396.92	E	1383.02	2.50
	4500.00	28.94	19.16	4150.31	-4134.81			410.73	E	1427.24	2.06
	4594.00	27.25	17.16	4233.22	-4217.72	1366.98	N	410.73	E	1468.87	2.64
	4689.00	24.75	16.66	4318.59	-4303.09	1406.82	N	422.85	E	1506.76	2.04
	4783.00	22.81	17.41	4404.60	-4389.10	1443.05	N		E	1541.59	1.22
	4875.00		17.66	4489.74	-4474.24	1476.27	N	444.43	E	1574.94	2.40
	4970.00		16.66	4578.67	-4563.17	1508.14	N	454.29	E	1605.87	1.00
L	5065.00		15.54	4668.49	-4652.99	1537.85	N	462.87			0.95
eport by D	5159.00		14.91	4757.82	-4742.32	1566.07 in 4.3.12	N	470.56	E	1635.11	0.95

Page 1 4,

### **Directional Surveys**

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Loc	ation Informat	ion						
Bus	iness Unit			Phase/Are	a			
Оре	erations			West Tava	aputs			
Proj	ect			Well Name	Э			
Uinta				Peter's Point #11-26D-12-16				
Ex	trap. Depth MD	Inclination	Azimuth	TVD	Sub Sea	Northings	N/	
	(ft)	(°)	(°)	(ft)	(ft)	(ft)		

Surface Location SESW-26-12S-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
	5254.00	15.81	15.04	4848.78	-4833.28	1592.51	N	477.63	E	1662.48	1.98
	5349.00	13.38	17.16	4940.70	-4925.20	1615.51	N	484.23	E	1686.41	2.62
	5443.00	10.56	11.91	5032.62	-5017,12	1634.33	N	489.22	E	1705.87	3.21
	5538.00	8.66	8.20	5126.28	-5110.78	1649.93	N	492.03	E	1721.64	2.10
	5632.00	6.13	9.66	5219.47	-5203.97	1661.88	N	493.88	E	1733.64	2.70
	5726.00	4.25	11.04	5313.08	-5297.58	1670.25	N	495.39	E	1742.10	2.00
	5819.00	3.50	12.91	5405.86	-5390.36	1676.40	Ν	496.69	E	1748.37	0.82
	5913.00	3.06	16.04	5499.71	-5484.21	1681.61	N	498.02	E	1753.74	0.51
	6008.00	2.50	16.41	5594.59	-5579.09	1686.03	N	499.31	E	1758.35	0.59
	6103.00	2.19	15.91	5689.51	-5674.01	1689.76	N	500.39	E	1762.23	0.33
	6196.00	2.00	14.41	5782.45	-5766.95	1693.04	Ν	501.28	E	1765.63	0.21
	6290.00	1.81	18.04	5876.40	-5860.90	1696.04	N	502.15	E	1768.76	0.24
	6386.00	1.69	23.04	5972.35	-5956.85	1698.79	N	503.17	ε	1771.68	0.20
	6480.00	1.38	24.91	6066.32	-6050.82	1701.09	N	504.19	E	1774.17	0.33
	6575.00	1.25	22.91	6161.29	-6145.79	1703.08	N	505.08	E	1776.33	0.15
	6669.00	1.13	24.54	6255.27	-6239.77	1704.87	N	505.86	E.	1778.26	0.13
	6764.00	1.00	24.66	6350.26	-6334.76	1706.48	N	506.60	E	1780.01	0.14
	6858.00	0.81	34.16	6444.25	-6428.75	1707.77	N	507.31	E	1781.45	0.26
	6953.00	0.88	48.04	6539.24	-6523.74	1708.82	N	508.23	E	1782.71	0.23
	7047.00	0.88	53.79	6633.22	-6617.72	1709.72	N	509.35	E	1783.89	0.09
	7150.00	0.56	56.66	6736.22	-6720.72	1710.47	N	510.41	E	1784.90	0.31
	7200.00	0.56	56.66	6786.21	-6770.71	1710.74	N	510.82	E	1785.27	0.00
	7978.00	0.56	56.66	7564,18	-7548.68	1714.92	N	517.17	E	1791.04	0.00

² orm 3160-5 August 2007) DE	UNITED STATES				FORM APPROVED OMB No. 1004-0137
	REAU OF LAND MANA			5. Lease Serial No.	Expires July 31, 2010
	NOTICES AND REPO		le		
Do not use this	form for proposals to Use Form 3160-3 (AF	drill or to re-	enter an	6 If Indian, Allotter	e or Tribe Name
SUBM	IT IN TRIPLICATE - Other in	nstructions on pag	ie 2.	7. If Unit of CA/Ag	reement, Name and/or No
Type of Well	- <u></u>			- Brickly Poer Unit	UTU-79487 NT/1-10-636/4
Oil Well Gas	Well 🔽 Other		-	8. Well Name and N See Attached	Io.
Name of Operator Il Barrett Corporation				9. API Well No.	
i. Address 99 18th Street, Suite 2300, Denver, CO 80	202	<ul> <li>b. Phone No. (incl 303-312-8134</li> </ul>	ude <b>area</b> code)	10 Field and Pool o	r Exploratory Area
Location of Well (Footage, Sec., T.	.R.,M., or Survey Description)			11. Country or Paris	
	, <u></u> _,			Carbon County, U	Ţ
12. CHE	CK THE APPROPRIATE BOX	(ES) TO INDICAT	E NATURE OF	NOTICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION			TYPE O	FACTION	
Notice of Intent	Acidize	Decpen		Production (Start/Resume)	Water Shut-Off
	Alter Casing	Fracture Tr	eat 🗖	Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Const		Recomplete	Other Off-lease Water
Final Abandonment Notice	Change Plans	Plug and A	bandon	Temporarily Abandon	Treatment
	Convert to Injection	Plug Back	L	Water Disposal	
testing has been completed Final determined that the site is ready for Barrett Corporation (BBC) is su	nally or recomplete horizontally, work will be performed or provi- ved operations. If the operation Abandonment Notices must be or final inspection.) bmilting this as an update to dition to Prickly Pear unit, for	, give subsurface to ide the Bond No. or results in a multipl filed only after all the previously su	ations and measu file with BLM/E completion or re- completion of re- completion of re- completion of re- completion or re- completion of r	BIA. Required subsequent re ecompletion in a new intervi- luding reclamation, have been <b>pted by the</b> <b>Intervision of</b> BBC w <b>S BPO</b> 1 M propertion:	eports must be filed within 30 days al, a Form 3150-4 must be filed once on completed and the operator has will be also be treating produced s to meet additional water needs. A
Attach the Bond under which the following completion of the invol- testing has been completed Final determined that the site is ready for I Barrett Corporation (BBC) Is su iter from Peter's Point unit, in add	hally of recomplete horizontally, work will be performed or provi- ved operations. If the operation Abandonment Notices must be or final inspection.) bmitting this as an update to dition to Prickly Pear unit, for ells is attached.	, give subsurface lo ide the Bond No. on results in a multipl filed only after all the previously su re-use for the sta	ations and measu file with BLM/E completion or re- completion of re- completion of re- completion of re- completion or re- completion of r	BIA. Required subsequent re ecompletion in a new interv- luding reclamation, have been <b>PIEC by the</b> <b>Division of PRC</b> .	eports must be filed within 30 days al, a Form 3150-4 must be filed once en completed and the operator has will be also be treating produced s to meet additional water needs. A <b>RECEIVED</b>
Attach the Bond under which the following completion of the invol- testing has been completed Final determined that the site is ready for I Barrett Corporation (BBC) Is su iter from Poter's Point unit, in add and map of Poter's Point unit we	hally of recomplete horizontally, work will be performed or provi- ved operations. If the operation Abandonment Notices must be or final inspection.) bmitting this as an update to dition to Prickly Pear unit, for ells is attached.	, give subsurface lo ide the Bond No. on results in a multipl filed only after all the previously su re-use for the sta	ations and measu file with BLM/E completion or re- completion of re- completion of re- completion of re- completion or re- completion of r	BIA. Required subsequent re ecompletion in a new intervi- luding reclamation, have been <b>pted by the</b> <b>Intervision of</b> BBC w <b>S BPO</b> 1 M propertion:	eports must be filed within 30 days al, a Form 3150-4 must be filed once on completed and the operator has will be also be treating produced is to meet additional water needs. A <b>RECEIVED</b> <b>FEB 1 6 2010</b>
Attach the Bond under which the following completion of the invol- testing has been completed Final determined that the site is ready for I Barrett Corporation (BBC) Is su iter from Peter's Point unit, in add and map of Peter's Point unit we rou have further questions, pleas COA; Approval	Ally of recomplete horizontally, work will be performed or provi ved operations. If the operation Abandonment Notices must be final inspection.) binitting this as an update to dition to Prickly Pear unit, for ells is attached. The contact me at 303-312-813 (S gramful to -	, give subsurface to ide the Bond No. or results in a multipl filed only after all the previously su re-use for the sta 34. Hake the	ations and measu file with BLM/E completion or ro equirements, incl acce worke Gas FOR RE	BIA. Required subsequent re completion in a new interve inding reclamation, have been pted by the Rivising to of BBC w Stand 1 Mi completion CORD ONLY	eports must be filed within 30 days al, a Form 3150-4 must be filed once en completed and the operator has will be also be treating produced s to meet additional water needs. A <b>RECEIVED</b> <b>FEB 1 6 2010</b> DIV. OF OIL, GAS & MINING
Attach the Bond under which the Attach the Bond under which the following completion of the invol- tosting has been completed Final determined that the site is ready for Barrett Corporation (BBC) Is su ther from Pater's Point unit, in add and map of Pater's Point unit, in add and map of Pater's Point unit we rou have further questions, pleas COA: Approval to be treaded by an Sec. 16, TIRS	ially of recomplete horizontally, work will be performed or provi ved operations. If the operation Abandonment Notices must be or final inspection.) bimitting this as an update to dition to Prickly Pear unil, for ells is attached. The contact me at 303-312-813 (S g ramfed to - S the fempera ve RISE through T	, give subsurface to ide the Bond No. or results in a multipl filed only after all the previously su re-use for the sta 34. Hake the	ations and measu file with BLM/E completion or ro equirements, incl acce worke Gas FOR RE	BIA. Required subsequent re completion in a new interve inding reclamation, have been pted by the Rivising to of BBC w Stand 1 Mi completion CORD ONLY	eports must be filed within 30 days al, a Form 3150-4 must be filed once en completed and the operator has will be also be treating produced s to meet additional water needs. A <b>RECEIVED</b> <b>FEB 1 6 2010</b> DIV. OF OIL, GAS & MINING
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CUPY

UWI/API	LABEL	Status
430073007000	5-14-PETERS POINT	GAS
430073002300	9-PTRS PT UNIT	GAS
430071539300	4-PTRS PT UNIT	GAS
430071539100	2-PTRS PT UNIT	GAS
430073076100	36-2-PtrsPtFed	GAS
430073076200	4-PTRS PT UNIT 2-PTRS PT UNIT 36-2-PtrsPtFed 36-3-PtrPtFed 36-4-PtrsPtFed	GAS
430073076300	36-4-PtrsPtFed	GAS
430071021600	1-PETERS POINT UNIT	GAS
	1-PETERS POINT UNIT	
430073096500	11-6-13-17 16-35-12-16 16-27-12-16 8-34-12-16 6-35D-12-16 7-1D-13-16 Ultra Dee	GAS
430073131800	16-27-12-16	GAS
430073127900	8-34-12-16	GAS
430073127500	6-35D-12-16	GAS
430073129300	7-1D-13-16 Ultra Dee	GAS
430073100500	16-31D-12-17	GAS
430073100400	16-6D-13-17	GAS
430073101000	2-36D-12-16	GAS
430073100900	12-31D-12-17	GAS
430073101100	9-36-12-16	GAS
430073081000	4-31D-12-17	GAS
430073085900	6-7D-13-17 Deep	GAS
430073102400	8-35D-12-16	GAS
430073081200	16-26D-12-16	GAS
430073076400	14-25D-12-16	GAS
430073115800	7-1D-13-16 Ultra Dee 16-31D-12-17 16-6D-13-17 2-36D-12-16 12-31D-12-17 9-36-12-16 4-31D-12-17 6-7D-13-17 Deep 8-35D-12-16 16-26D-12-16 14-25D-12-16 6-36-12-16 6-36-12-16 12-36D-12-16 10-36D-12-16 15-6D-13-17 Deep	GAS
430073127700	14-26D-12-16	GAS
430073128100	6-34D-12-16	GAS
430073127200	6-36-12-16	GAS
430073127100	3-36-12-16	GAS
430073117500	12-36D-12-16	GAS
430073117400	10-36D-12-16	GAS
700010120100		GAS
430073104900	4-12D-13-16 Deep ST	GAS
		GAS
430073140900	11-27D-12-16	GAS
430073141000	15-27D-12-16	GAS
430073140600	9-27D-12-16 11-27D-12-16 15-27D-12-16 10-26D-12-16	GAS
430073140400	15-26D-12-16	GAS
430073140700	11-26D-12-16	GAS
430073135200	13-25D-12-16	GAS
430073140300	13-26D-12-16	GAS
430073140800	12-26D-12-16	GAS
430073142700	1-34D-12-16	GAS
430073142800	7-34D-12-16	GAS
430073140500	3-35D-12-16	GAS
430073134500	2-35D-12-16	GAS
430073136500		GAS
430073147400	10-35D-12-16	WOC
430073147600	9-35D-12-16	WOC
430073142900	5-35D-12-16	GAS

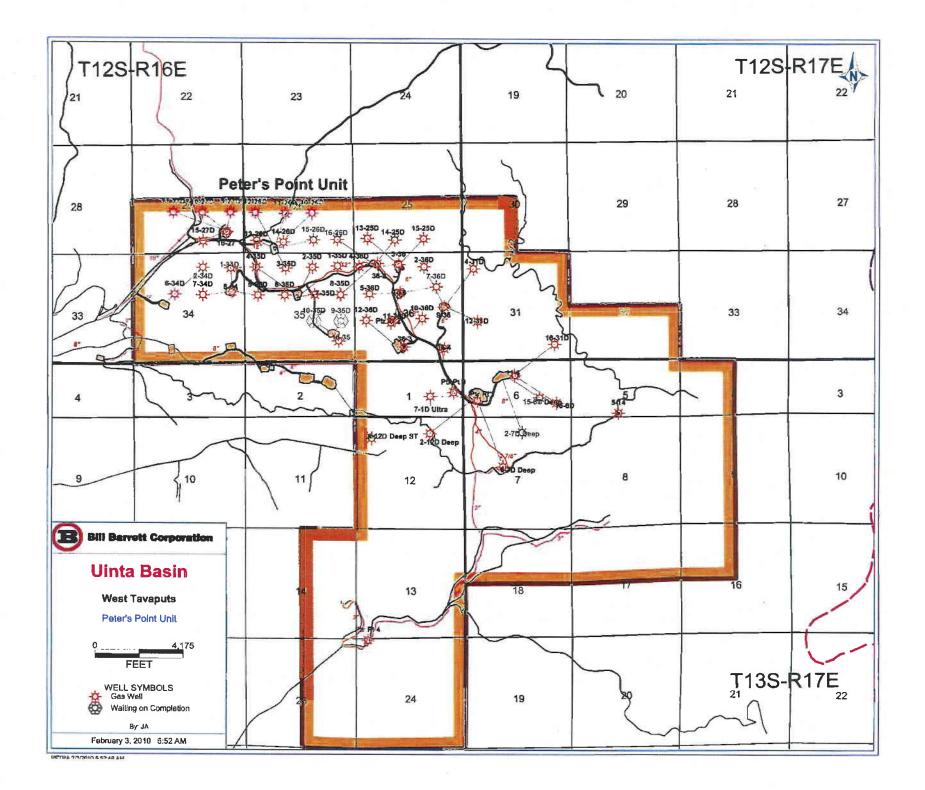
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UWI/API	LABEL	Status
430073134700	4-35D-12-16	GAS
430073134600	7-35D-12-16	GAS
430073134800	7-36D-12-16	GAS
430073135000	5-36D-12-16	GAS
430073135100		GAS
430073131900	10-27D-12-16	GAS
430073132600	2-7D-13-17 Deep	GAS
430073132000	2-34D-12-16	GAS
430073134900	11-36D-12-16	GAS
430073135300	4-36D-12-16	GAS

### PETER'S POINT UNIT Status Legend

GAS	Currently Producing
WOC	Waiting on Completion

Water could come from any of these GAS wells to be used in treatment process and reused for state completions.



### WEST TAVAPUTS PILOT WATER TREATMENT FACILITY NESW, SECTION 16, T12S-R15E

This is being submitted as notification that Bill Barrett Corporation (BBC) will be setting a temporary "pilot" water treatment facility within existing disturbance (no surface-laid lines are proposed) at the Prickly Pear Unit State 11-16 location. This facility will test the ability for BBC to reuse and recycle Prickly Pear unit water for approximately 16 state wells in Section 16 which are to be completed in 2010. It would also reduce truck traffic through Harmon Canyon associated with water hauling by approximately 16 trucks per day. Wells on Prickly Pear mesa generate approximately 1000 barrels of water per day (BWPD) and each well completion will take approximately 1300 BWPD. Any additional water needed for completion will come from currently approved water sources. This pilot facility will be in operation from January through July of 2010 and if successful, BBC will discuss the potential of making the facility permanent.

The process description is listed below and attachments to this proposal include proposed facility diagrams and maps and spreadsheets which indicate Prickly Pear wells involved with the water treatment process.

#### **PROCESS DESCRIPTION**

BBC will use an electro-coagulation (EC) process which transmits an electrical current through the water between iron plates. Iron hydroxyl-oxide (IHO) is formed by the electrical current in the form of a floc which then adsorbs compounds in the water. Compounds bound to the IHO create larger floc/solids known as hematite. The hematite is then skimmed off and placed into a tank to be hauled off of to a state approved disposal facility and a pH buffer is added to the water to lower the pH for re-use.

The EC system will treat approximately 1000-1200 BWPD (including flow-back water) and will be stored in clean tanks adjacent to the system. There will be ten 450-bbl holding tanks (two inlet water and eight treated water), three 450-bbl weir (skim) tanks and the actual EC system. There will also be a small generator to power a pump on location to assist in keeping the water flowing through the system. The tank battery will be bermed and the berms will be constructed to contain at a minimum 120 percent of the storage capacity of the largest tank within the berm. Any load lines and valves will be placed inside the berm.

After completion operations have ceased within Section 16, water will once again be diverted back to BBC's permitted saltwater disposal well in Sec. 24, T12S-R14E or a request for a permanent facility may be filed.

Form 3160-5 (August 2007)		UNITED STATI ARTMENT OF THE	INTERIOR				FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010				
· ·	BURE	EAU OF LAND MAN	IAGEMENT			5. Lease Serial No					
Do ποι	t use this fo	OTICES AND REP orm for proposals Jse Form 3160-3 (A	to drill or to re	-enter an		6. If Indian, Allott	ce or Tribe Nai	nc			
	SUBMIT	IN TRIPLICATE - Othe	r instructions on pa	ge 2.		7. If Unit of CA/A	•	ie and/or No.			
1. Type of Well	<u>_</u>			-		- Prickly Pear Unil					
Oil Well	Gas Wo	eli 🚺 Other				8. Well Name and See Attached	No.				
2. Name of Operator Bill Barrett Corporation	<b>1</b>					9. API Well No.					
3a. Address 1099 18th Street, Suite 2300,	Denver, CO 80202	2	3b. Phone No. (inc 303-312-8134	lude <b>area</b> cod	2)	10. Field and Pool	or Exploratory	Arca			
4. Location of Well (Fo	otage. Sec., T.,R	.,M or Survey Description	)	, , , , , , , , , , , , , , , , ,	•	11. Country or Par Carbon County,	•	<u>e - e de la dela de la degla sejona</u>			
	12. CHECK	K THE APPROPRIATE BO	- DX(ES) TO INDICA	TE NATURE	OF NOT	I TCE, REPORT OR O	THER DATA				
TYPE OF SUBM					E OF A						
Notice of Intent		Acidize	Deepen		_	oduction (Start/Resume		iter Shut-Off			
IV Nouce of Intent		Alter Casing	Fracture 7	reat		clamation		ell Integrity			
Subsequent Report		Casing Repair	New Cons	struction		complete	🔽 ou	er Off-lease Water			
		Change Plans				mporarily Abandon		Treatment of Prickly Pear Unit Water			
Final Abandonmen		Convert to Injection	Plug Back			ater Disposal		ximate duration thereof. If			
Owned Lands, BBC w Prickly Pear unit, hauli completion operations if successful, there is the BBC has attached the	rill be taking pro ng it lo a tempo for approximat he polential of SITLA submitt	nitting this sundry in accord oduced water and flowba orary, "pilot" water treatm tely 16 state wells. This this being a permanent f al information for your re-	ick water from fede nent facility on SITL water treatment an acility. cords.	ral and state A lands in S	leases ec. 16.	(a map and list of th 12S-R15E where it	ese wells is a will be treate	ttached) within the dand reused for			
		contact me at 303-312-8 eD, Please pr				CC	)P'				
COA: Once 14. Thereby certify that the			ouideac	opyo	fsi	TLA's app	roval 1	etter.			
Name (Printed/Typed) Tracey Fallang			Tit	e Regulator	Analys	it					
Signature	racer	Fallon	e Dat	e 01/14/201	0						
	()	THIS SPACE	FOR FEDERA	L OR STA	TE OF	FICE USE		· · · · · · · · · · · · · · · · · · ·			
Approved by	lanny.	Hereluck	(	Title	eum	Engineer	Date JA	N 1 4 2010			
that the applicant holds lega entitle the applicant to cond	I or equitable title uct operations the	the second s	t lease which would	Office		PRICE FIE					
		S.C. Section 1212, make it a ntations as to any matter wit		knowingly and	willfully	to make to any departm	ient or agency of	of the United States any false,			
(Instructions on page 2)							· · · · · · · · · · · · · · · · · · ·				

### WEST TAVAPUTS PILOT WATER TREATMENT FACILITY NESW, SECTION 16, T12S-R15E

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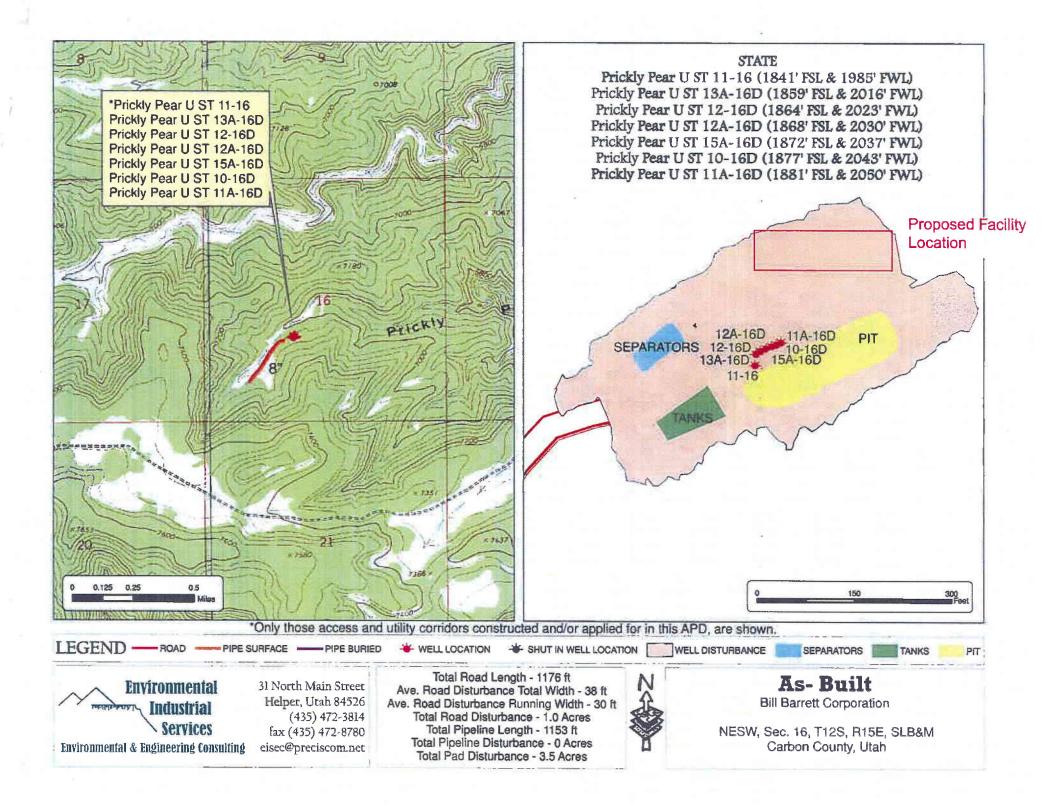
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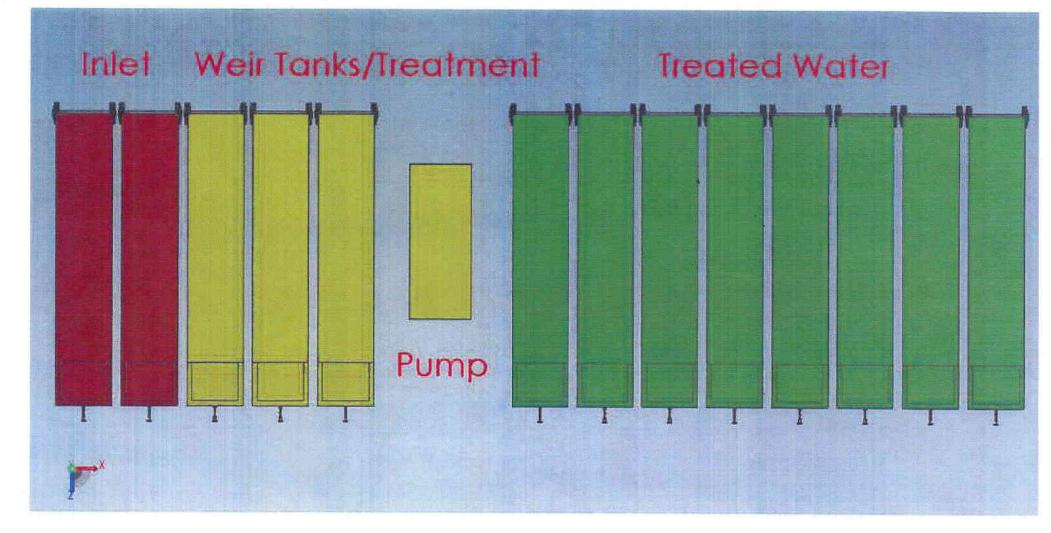
UWI/API Well	Status	UWI/API Well	Status
430071604500 1-GOVT PCKRL	GAS	430073123900 3-27D-12-15	GAS
430071654200 SC 1-STONE CABIN	GAS	430073123700 4-27D-12-15	GAS
430073001400 1-11-ST CAB-FED	GAS	430073124300 1-28-12-15	GAS
430071501600 33-1A-CLAYBANK SPRIN	GAS	430073124200 5-27D-12-15	GAS
430073052200 16-15 (12S-15E)	GAS	430073124400 8-28D-12-15	GAS
430073001800 2-B-27-ST CAB FED	GAS	430073124100 9-28D-12-15	GAS
430071654200 SC 1-ST CAB UNIT	GAS	430073128700 9-17-12-15	GAS
430073101800 36-06-12-15	GAS	430073129500 7-18D-12-15	GAS
430073082500 13-4 (12S-14E)	GAS	430073129400 1-18D-12-15	GAS
430073082800 21-2-12-15	GAS	430073124000 9-16-12-15	GAS
430073082300 10-4-12-14	GAS	430073124500 1-16-12-15	GAS
430073095400 7-25-12-15	GAS	430073136200 2-28D-12-15	GAS
430073093300 13-16-12-15	GAS	430073139900 11-22D-12-15	GAS
430073100800 5-13-12-14	GAS	430073136000 4-22D-12-15	GAS
430073094300 5-16-12-15	GAS	430073140000 14-22D-12-13	GAS
430073094500 7-16-12-15	GAS	430073139800 12-22D-12-15	GAS
430073094400 11-16-12-15	GAS	430073136100 6-22D-12-15	GAS
430073119300 15-18-12-15	GAS	430073141300 6-21D-12-15	GAS
430073098500 7-33D-12-15	GAS	430073141200 11-21D-12-15	GAS
430073128900 7-17D-12-15	GAS	430073141200 11-21D-12-15 430073141400 12-21D-12-15	GAS
430073086000 5-19-12-15	GAS	430073142100 2-20D-12-15	GAS
430073107300 13-23-12-15	GAS	430073141900 8-20D-12-15	GAS
430073119600 10-27-12-15	GAS	430073135900 14-15D-12-15	GAS GAS
430073120600 1-20-12-15	GAS		GAS GAS
430073118300 15-17-12-15	GAS	430073145600 12-16D-12-15	
430073119800 7-20-12-15	GAS	430073139400 10-18D-12-15	GAS
430073116400 15-21-12-15	GAS	430073128200 14-26D-12-15	GAS
430073116600 13-21D-12-15	GAS	430073128800 1-17D-12-15 430073129600 5-17D-12-15	GAS
430073116500 7-28D-12-15	GAS	430073129000 3-17D-12-15 430073131400 3-18D-12-15	GAS GAS
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430073107400 1-27D-12-15	GAS		GAS
430073107400 1-27D-12-13	GAS	430073130900 12-17D-12-15 430073131100 14-17D-12-15	GAS
430073118700 3-22-12-15	GAS		GAS GAS
430073118600 7-22D-12-15	GAS	430073131200 16-18D-12-15	
430073118800 5-22D-12-15	GAS	430073132800 3-21D-12-15 430073131500 4-18-12-15	GAS
430073135800 13-15D-12-15	GAS	430073130800 8-17D-12-15	GAS
430073119200 9-18D-12-15	GAS	430073130700 10-17D-12-15	GAS GAS
430073118400 11-17D-12-15	GAS	430073131300 8-18D-12-15	GAS GAS
430073119700 9-20D-12-15	GAS	430073131300 6-18D-12-15	GAS
430073119400 16-27D-12-15	GAS	430073145900 10-16D-12-15	GAS
430073119500 12-27D-12-15	GAS	430073132100 16-17D-12-15	GAS
430073118900 11-15D-12-15	GAS	430073132400 14-16D-12-15	GAS
430073125900 4-25D-12-15	GAS	430073132900 4-21D-12-15	
430073126000 12-25D-12-15	GAS	430073136400 5A-27D-12-15	GAS GAS
430073128300 2-35-12-15	GAS	430073136800 1A-28D-12-15	GAS
430073128500 4-35D-12-15	GAS	430073136300 16X-20D-12-15	
430073128400 10-26D-12-15	GAS	430073140100 4A-27D-12-15	
430073125700 11-18D-12-15	GAS	430073139300 14A-18D-12-15	GAS GAS
430073125800 11-20D-12-15	GAS		
430073122600 2-36-12-15	GAS	430073139500 15A-18D-12-15	
430073122700 4-36-12-15	GAS	430073139600 16A-18D-12-15	
430073123800 13-22-12-15		430073145800 15A-16D-12-15	
TUUTUTZUUU 13-22-12-13	GAS	430073146100 13A-16D-12-15	
		430073146000 11A-16D-12-15	GAS

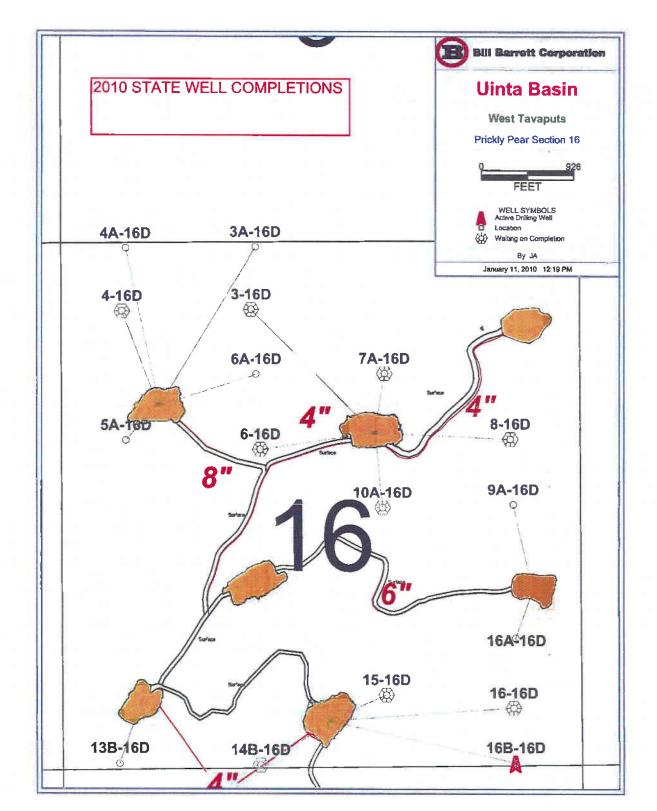
. -

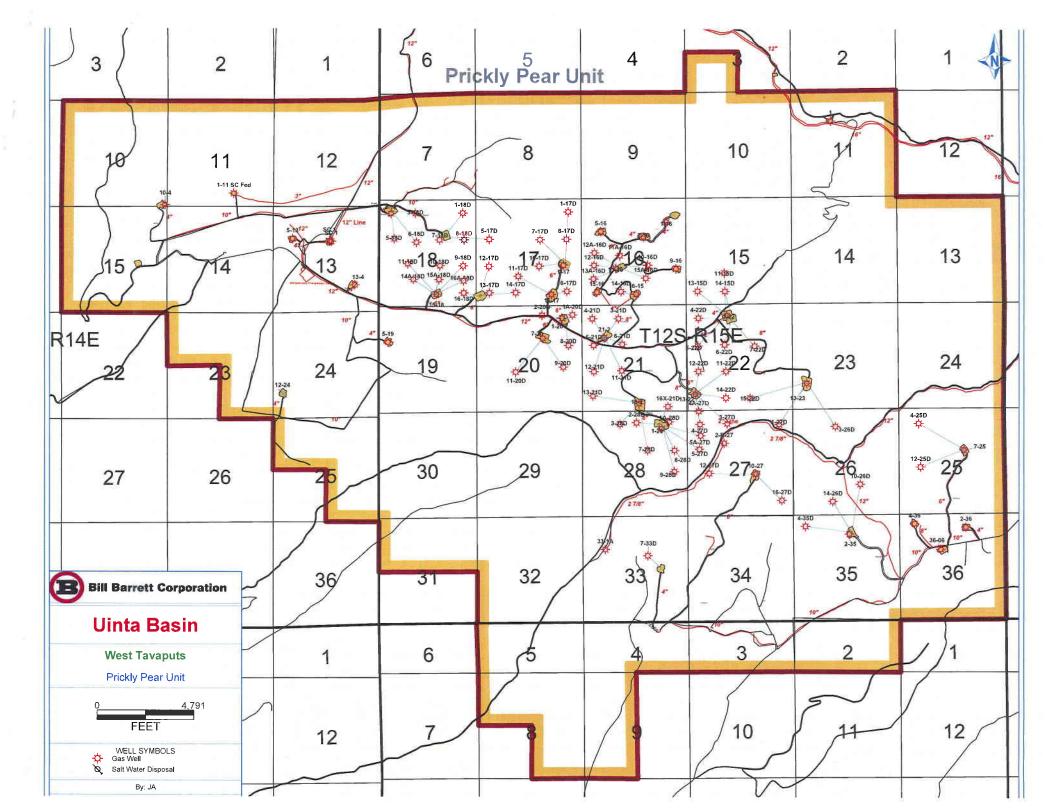
UWI/API	Well	Status
430073148000	5A-16D-12-15	LOC
430073148500	9A-16D-12-15	LOC
430073147900	4A-16D-12-15	LOC
430073148100	3A-16D-12-15	LOC
430073147700	6A-16D-12-15	LOC
430073148400	16A-16D-12-15	LOC
430073151600	13B-16D-12-15	LOC
430073095300	12-24-12-14	SWD
430073142200	7A-16D-12-15	WOC
430073142500	3-16D-12-15	WOC
430073145500	8-16D-12-15	WOC
430073142300	6-16D-12-15	WOC
430073132300	16-16D-12-15	WOC
430073142400	10A-16D-12-15	WOC
430073151500	14B-16D-12-15	WOC
430073132200	15-16D-12-15	WOC
430073147800	4-16D-12-15	WOC
430073151400	16B-16D-12-15	DRL

	Status Legend	
DRL	Currently Drilling	
GAS	Currently Producing	
LOC	2010 Location	
SWD	Salt Water Disposal	
WOC	Waiting on Completion	

Yellow indicates state wells that will be completed in 2010 using treated Prickly Pear Unit water. Water could come from any of these wells to be used in treatment process and reused for state well completions.







## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

X - Change of Operator (Well Sold)			Operator Name Change/Merger										
The operator of the well(s) listed below has chan	iged, a	effectiv	e:	1/1/2014									
<b>FROM:</b> (Old Operator): N2165-Bill Barrett Corporation 1099 18th Street, Suite 230 Denver, CO 80202	N2165-Bill Barrett Corporation 1099 18th Street, Suite 230 Denver, CO 80202						<b>TO:</b> (New Operator): N4040-EnerVest Operating, LLC 1001 Fannin Street, Suite 800 Houston, TX 77002						
Phone: 1 (303) 312-8134				Phone: 1 (713) 659-3500									
CA No.				Unit:									
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS					
See Attached List													
<ul> <li>OPERATOR CHANGES DOCUMENT</li> <li>Enter date after each listed item is completed</li> <li>1. (R649-8-10) Sundry or legal documentation was</li> <li>2. (R649-8-10) Sundry or legal documentation was</li> <li>3. The new company was checked on the Depart</li> <li>4a. Is the new operator registered in the State of W</li> <li>5a. (R649-9-2)Waste Management Plan has been response of LA PA state/fee well sites comp</li> <li>5c. Reports current for Production/Disposition &amp; S</li> <li>6. Federal and Indian Lease Wells: The BI</li> </ul>	as rec as rec <b>ment</b> Utah: eceive blete o Sundri LM ar	eived fi eived fi of Con ed on: m: ies on: ies on: id or th	nmerco	e NEW operator e, Division of C Business Numb Not Yet Yes 1/24/2014 has approved the	on: orporation ber: - - e merger, na	8850806-0161		<u>1/28/2014</u>					
or operator change for all wells listed on Feder 7. Federal and Indian Units:	ral or	Indian	leases o	on:	BLM	Not Yet	BIA	N/A					
<ol> <li>Federal and Indian Onits.</li> <li>The BLM or BIA has approved the successo</li> <li>Federal and Indian Communization Ag The BLM or BIA has approved the operator</li> <li>Underground Injection Control ("UIC"</li> </ol>	<b>green</b> for al	n <b>ents (</b> l wells	("CA" listed v	): vithin a CA on:		Not Yet <u>N/A</u> nsfer of Author	ity to						
Inject, for the enhanced/secondary recovery un	nit/pro	oject fo	r the w	ater disposal we	ll(s) listed o	on:	Yes						
<ol> <li>DATA ENTRY:</li> <li>Changes entered in the Oil and Gas Database</li> <li>Changes have been entered on the Monthly O</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS of</li> <li>Injection Projects to new operator in RBDMS</li> </ol>	<b>perat</b> n:	or Cha	ange Sj	1/28/2014 pread Sheet on: 1/28/2014 1/28/2014 1/28/2014	-	1/28/2014							
<ol> <li>Receipt of Acceptance of Drilling Procedures</li> </ol>		PD/Nev	v on:		-	1/7/2014	-						
7. Surface Agreement Sundry from NEW operato	or on F	Fee Sur	face we	ells received on:		1/7/2014	-						
<ol> <li>BOND VERIFICATION:</li> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any state/fe</li> <li>The FORMER operator has requested a release</li> </ol>					- umber N/A	B008371							
	- <b>∖</b> (1871)	ION				-							
<ul> <li>LEASE INTEREST OWNER NOTIFIC</li> <li>4. (R649-2-10) The NEW operator of the fee well of their responsibility to notify all interest owner</li> </ul>	s has	been co			oy a letter fi 1/28/2014								

## COMMENTS:

ROUTING

CDW

### Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040) Effective 1/1/2014 Peter Point Unit

XX7.11 X		TUAL		Peter Point U		A.C. 17		XX7 11 00	W. 11 Of . 1
Well Name	- i ł			API Number	Entity		Surface Lease	Well Type	Well Status
PPU FED 11-34D-12-16		120S	160E	4300731465		Federal	Federal	GW	APD
PPU FED 10-34D-12-16		120S	160E	4300731469	•	Federal	Federal	GW	APD
PETERS POINT UF 15X-36D-12-16		1205	160E	4300750178		Federal	Federal	GW	APD
PETERS POINT UF 10-1D-13-16		120S	160E	4300750182		Federal	Federal	GW	APD
PETERS POINT UF 9-1D-13-16	-	120S	160E	4300750183		Federal	Federal	GW	APD
PPU FED 9-34D-12-16			160E	4300731430			Federal	GW	OPS
PPU FED 15-35D-12-16	-	120S	160E	4300731475		Federal	Federal	GW	OPS
PETERS POINT U FED 12A-6D-13-17		120S	170E	4300750034		Federal	Federal	GW	OPS
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal	Federal	GW	OPS
PETERS POINT U FED 9-6D-13-17	6	130S	170E	4300750120	2470	Federal	Federal	GW	OPS
PETERS POINT U FED 14-6D-13-17	6	130S	170E	4300750121	2470	Federal	Federal	GW	OPS
PETERS POINT U FED 15-6D-13-17	6	130S	170E	4300750122	2470	Federal	Federal	GW	OPS
PETERS POINT UF 2-7D-13-17	6	130S	170E	4300750149	2470	Federal	Federal	GW	OPS
PETERS POINT UF 1-7D-13-17	6	130S	170E	4300750150	2470	Federal	Federal	GW	OPS
PETERS POINT U FED 36-2	36	120S	160E	4300730761	2470	Federal	Federal	GW	Р
PETERS POINT U FED 36-3	36	120S	160E	4300730762	2470	Federal	Federal	GW	Р
PETERS POINT U FED 36-4	+ +	120S	160E	4300730763		Federal	Federal	GW	Р
PETERS POINT U FED 14-25D-12-16		120S	160E	4300730764		Federal	Federal	GW	Р
PETERS POINT U FED 4-31D-12-17		120S	160E	4300730810		Federal	Federal	GW	Р
PETERS POINT U FED 16-26D-12-16		120S	160E	4300730812		Federal	Federal	GW	P
PETERS POINT U FED 6-7D-13-17	1 1	130S	170E	4300730859		Federal	Federal	GW	P
PETERS POINT U FED 16-35		1205	160E	4300730965		Federal	Federal	GW	P
PETERS POINT U FED 11-6-13-17		1305	170E	4300730982		Federal	Federal	GW	P
PETERS POINT U FED 16-6D-13-17		130S	170E	4300731004		Federal	Federal	GW	P
PETERS POINT U FED 16-31D-12-17		130S	170E	4300731004		Federal	Federal	GW	P
PETERS POINT U FED 12-31D-12-17		120S	160E	4300731009		Federal	Federal	GW	P
PETERS POINT U FED 2-36D-12-16		120S	160E	4300731009		Federal	Federal	GW	P
PETERS POINT U FED 9-36-12-16		120S	160E	4300731010		Federal	Federal	GW	P
	+ +		-						P P
PETERS POINT U FED 8-35D-12-16		1205	160E	4300731024		Federal	Federal	GW	P P
PETERS POINT U FED 4-12D-13-16		1305	160E	4300731049		Federal	State	GW	P P
PETERS POINT U FED 2-12D-13-16	· · · · · · · · · · · · · · · · · · ·	1305	170E	4300731158		Federal	Federal	GW	-
PETERS POINT U FED 10-36D-12-16		1205	160E	4300731174		Federal	Federal	GW	P
PETERS POINT U FED 12-36D-12-16		120S	160E	4300731175		Federal	Federal	GW	P
PPU FED 15-6D-13-17			170E				Federal	GW	P
PP UF 3-36-12-16				4300731271			Federal	GW	P
PP UF 6-36-12-16			1 1	4300731272		Federal	Federal	GW	P
PPU FED 6-35D-12-16	(	120S	160E			Federal	Federal	GW	P
PPU FED 8-34-12-16		120S	160E	4300731279		Federal	Federal	GW	Р
PPU FED 6-34D-12-16	1	120S	160E	4300731281		Federal	Federal	GW	Р
PPU FED 7-1D-13-16 ULTRA DEEP	-		170E	4300731293		Federal	Federal	GW	P
PPU FED 16-27-12-16	27	120S	160E	4300731318		Federal	Federal	GW	P
PPU FED 10-27D-12-16	27	120S	160E	4300731319	2470	Federal	Federal	GW	P
PPU FED 2-34D-12-16	34	120S	160E	4300731320	2470	Federal	Federal	GW	Р
PPU FED 2-7D-13-17 DEEP	6	130S	170E	4300731326		Federal	Federal	GW	P
PPU FED 2-35D-12-16	35	120S	160E	4300731345	2470	Federal	Federal	GW	Р
PPU FED 7-35D-12-16	35	120S	160E	4300731346	2470	Federal	Federal	GW	Р
PPU FED 4-35D-12-16	35	120S	160E	4300731347	2470	Federal	Federal	GW	Р
PPU FED 7-36D-12-16	36	120S	160E	4300731348	2470	Federal	Federal	GW	Р
PPU FED 11-36D-12-16	++	120S	160E	4300731349	2470	Federal	Federal	GW	Р
PPU FED 15-25D-12-16	+ +		160E	4300731351		Federal	Federal	GW	Р
PPU FED 13-25D-12-16			160E	4300731352		Federal	Federal	GW	P
PPU FED 4-36D-12-16	4 +			4300731353		Federal	Federal	GW	P
PPU FED 1-35D-12-16	·	1205 1205	160E	4300731365		Federal	Federal	GW	P
PPU FED 13-26D-12-16	i í	1205 120S	160E	4300731403		Federal	Federal	GW	P
PPU FED 15-26D-12-16			160E	4300731404		Federal	Federal	GW	P
PPU FED 3-35D-12-16						Federal	Federal	GW	P
110 FED 3-33D-12-10	20	120S	TOUE	4300731405	2470	reueral	reactal	U W	1.

## Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040) Effective 1/1/2014 Peter Point Unit

				Peter Point L					
Well Name			-					Well Type	Well Status
PPU FED 10-26D-12-16			160E			Federal	Federal	GW	P
PPU FED 11-26D-12-16		120S	160E			Federal	Federal	GW	P
PPU FED 12-26D-12-16	26	120S	160E	4300731408	2470	Federal	Federal	GW	P
PPU FED 11-27D-12-16	27	120S	160E	4300731409	2470	Federal	Federal	GW	P
PPU FED 15-27D-12-16	27	120S	160E	4300731410	2470	Federal	Federal	GW	P
PPU FED 9-27D-12-16	27	120S	160E	4300731411	2470	Federal	Federal	GW	Р
PPU FED 1-34D-12-16	34	120S	160E	4300731427	2470	Federal	Federal	GW	Р
PPU FED 7-34D-12-16	34	120S	160E	4300731428	2470	Federal	Federal	GW	Р
PPU FED 5-35D-12-16	34	120S	160E	4300731429	2470	Federal	Federal	GW	Р
PPU FED 3-34D-12-16	34	120S	160E	4300731466	2470	Federal	Federal	GW	Р
PPU FED 5-34D-12-16	34	120S	160E	4300731467	2470	Federal	Federal	GW	Р
PPU FED 4-34D-12-16	34	120S	160E	4300731468	2470	Federal	Federal	GW	Р
PPU FED 10-35D-12-16	35		160E	4300731474		Federal	Federal	GW	Р
PPU FED 9-35D-12-16	-	120S	160E	4300731476		Federal	Federal	GW	Р
PETERS POINT U FED 9-26D-12-16	25	120S	160E	4300750021		Federal	Federal	GW	Р
PETERS POINT U FED 11-25D-12-16		120S	160E	4300750022		Federal	Federal	GW	P
PETERS POINT U FED 10-31D-12-17		1205	170E	4300750023		Federal	Federal	GW	ř P
PETERS POINT U FED 11-31D-12-17	-	1205 120S	170E	4300750024		Federal	Federal	GW	P
PETERS POINT U FED 13A-31D-12-17		120S	170E	4300750025		Federal	Federal	GW	P
PETERS POINT U FED 13A-31D-12-17	-	120S	170E	4300750025		Federal	Federal	GW	P
						Federal		GW	r P
PETERS POINT U FED 14-31D-12-17		120S	170E	4300750027			Federal	GW	r P
PETERS POINT U FED 14A-31D-12-17		120S	170E	4300750028		Federal	Federal		
PETERS POINT U FED 12-25D-12-16	25		160E	4300750029		Federal	Federal	GW	P
PETERS POINT U FED 12-6D-13-17	31	120S	170E	4300750033		Federal	Federal	GW	P
PETERS POINT U FED 10-25D-12-16	(	120S	160E	4300750035		Federal	Federal	GW	P
PETERS POINT U FED 13-36D-12-16		120S	160E	4300750037		Federal	Federal	GW	P
PETERS POINT U FED 15-36D-12-16	1	120S	160E	4300750038		Federal	Federal	GW	P
PETERS POINT U FED 11-1D-13-16		120S	160E	4300750039		Federal	Federal	GW	Р
PETERS POINT U FED 12-1D-13-16	-	120S	160E	4300750040		Federal	Federal	GW	P
PETERS POINT U FED 3A-34D-12-16		120S	160E	4300750063		Federal	Federal	GW	Р
PETERS POINT U FED 4A-34D-12-16		120S	160E	4300750064	2470	Federal	Federal	GW	Р
PETERS POINT U FED 12-27D-12-16	27	120S	160E	4300750065	2470	Federal	Federal	GW	Р
PETERS POINT U FED 13-27D-12-16	27	120S	160E	4300750066	2470	Federal	Federal	GW	Р
PETERS POINT U FED 13A-27D-12-16	27	120S	160E	4300750067	2470	Federal	Federal	GW	Р
PETERS POINT U FED 14A-27D-12-16	27	120S	160E	4300750069	2470	Federal	Federal	GW	Р
PETERS POINT U FED 5-31D-12-17	36	120S	160E	4300750109	2470	Federal	Federal	GW	Р
PETERS POINT U FED 6-31D-12-17	36	120S	160E	4300750116	2470	Federal	Federal	GW	Р
PETERS POINT U FED 9X-36D-12-16		120S	160E	4300750117	2470	Federal	Federal	GW	Р
PETERS POINT U FED 1-36D-12-16		120S	160E	4300750118	2470	Federal	Federal	GW	Р
PETERS POINT U FED 10-6D-13-17		130S	170E	4300750119	2470	Federal	Federal	GW	Р
PETERS POINT U FED 15-31D-12-17		130S	170E	4300750123		Federal	Federal	GW	P
PETERS POINT UF 12-5D-13-17		130S	170E			Federal	Federal	GW	P
PETERS POINT UF 13-5D-13-17		130S	170E			Federal	Federal	GW	P
PETERS POINT UF 13-30D-12-17	-	130S	170E				Federal	GW	P
PETERS POINT UF 13-30D-12-17		120S	170E				Federal	GW	P
PETERS POINT UF 12-30D-12-17	+	120S	170E	4300750155			Federal	GW	P
PETERS POINT UF 11-30D-12-17		120S	170E				Federal	GW	P
		-						GW	r P
PETERS POINT UF 3-31D-12-17	-	120S	170E			Federal	Federal		
PETERS POINT UF 2-31D-12-17		120S	170E	4300750158			Federal	GW	P
PETERS POINT UF 16-25D-12-16	-	120S	170E			Federal	Federal	GW	P
PETERS POINT UF 9-25D-12-16		120S	170E			Federal	Federal	GW	P
PETERS POINT UF 7X-36D-12-16		120S	160E			Federal	Federal	GW	P
PETERS POINT UF 8-36D-12-16	1	120S	160E			Federal	Federal	GW	P
PPU FED 14-26D-12-16		120S	160E			Federal	Federal	GW	S
PPU FED 5-36D-12-16	36	120S	160E	4300731350	2470	Federal	Federal	GW	S

Copy

	STATE OF UTAH DEPARTMENT OF NATURAL RESOU	0058		FORM 9
	DIVISION OF OIL, GAS AND MI			5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
SUNDRY	NOTICES AND REPORTS	S ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill r	ew wells, significantly deepen existing wells below cur terals. Use APPLICATION FOR PERMIT TO DRILL f	rrent bottom-hole dept	n, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL				8. WELL NAME and NUMBER: (see attached well list)
2. NAME OF OPERATOR:				9. API NUMBER:
ENERVEST OPERATING	, LLC			10. FIELD AND POOL, OR WILDCAT:
3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 _{CIT}	HOUSTON STATE TX ZIP	77002	PHONE NUMBER: (713) 659-3500	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: (SEE a	ttached well list)			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN:			STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION			PE OF ACTION	
	ACIDIZE	DEEPEN	· · · · · · · · · · · · · · · · · · ·	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	
1/1/2014	CHANGE TO PREVIOUS PLANS	OPERATOR		
SUBSEQUENT REPORT (Submit Original Form Only)				WATER DISPOSAL
Date of work completion:			ON (START/RESUME)	
	COMMINGLE PRODUCING FORMATIONS		TE - DIFFERENT FORMATION	OTHER:
	OMPLETED OPERATIONS. Clearly show all		<u> </u>	es etc
ENERVEST OPERATING	6, LLC IS SUBMITTING THIS SU BEEN SOLD TO ENERVEST OF LEASE REFER ALL FUTURE CO	NDRY AS NO PERATING, LI	DTIFICATION THAT	THE WELLS LISTED ON THE
EnerVest Operating, L.L. 1001 Fannin, Suite 800 Houston, Texas 77002 713-659-3500 (BLM BOND # <u>RLB</u>		BOND # $Bc$	00832/	)
BILL BARRETT CORPO	RATION	E	NERVEST OPERA	FING, LLC
Duane Za	vadiname (PLEASE PRINT)	T	ONNIE LYOU	NAME (PLEASE PRINT)
Non 2ml		T	Some LAON	SIGNATURE
Senior Vice President - EH&S, Government and Regulator	Affairs N2115	´Ď	RECTOR - REĠUL	ATORY NYOYO
NAME (PLEASE PRINT) RONNIE	YOUNG	ŤĬŦL	E DIRECTOR - RE	GULATORY
SIGNATURE Provense	E.L. Llowing	DAT	E 12/10/2013	
(This space for State use on APF	ROVED			RECEIVED
AL ·	N 2 8 2013 4 RT			JAN <b>07</b> 2014
	GAS 9 MINUNA	tructions on Reverse S	Side)	DIV. OF OIL, GAS & MINING

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Well Name	Sec	TWN	RNG API Number	Entity Le	ease	Well Type	Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	160E 4300730460	15167 St	ate V	WI	А	
JACK CYN U ST 14-32	32	120S	160E 4300730913	15166 St	ate N	WD	А	
PRICKLY PEAR U FED 12-24	24	120S	140E 4300730953	14467 Fe	deral	WD	Α	
PPU FED 11-23D-12-15	23	120S	150E 4300731440	Fe	deral (	GW	APD	PRICKLY PEA
PPU FED 4-26D-12-15	23	120S	150E 4300731441	Fe	deral (	GW	APD	PRICKLY PEA
PPU FED 14-23D-12-15	23	120S	150E 4300731442	Fe	deral (	GW	APD	PRICKLY PEA
PPU FED 12-23D-12-15	23	120S	150E 4300731443	Fe	deral (	GW .	APD	PRICKLY PEA
PPU FED 11-34D-12-16	34	120S	160E 4300731465.	Fe	deral (	GW	APD	PETERS POIN
PPU FED 10-34D-12-16	34	120S	160E 4300731469	Fe	deral (	GW	APD	PETERS POIN
HORSE BENCH FED 4-27D-12-16	27	120S	160E 4300750092	Fe	deral (	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E 4300750093	Fe	deral (	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E 4300750094	Fe	deral (	GW	APD	PRICKLY PEA
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E 4300750095	Fe	deral (	GW	APD	PRICKLY PEA
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E 4300750096	Fe	deral (	GW	APD	PRICKLY PEA
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E 4300750097	Fe	deral (	GW	APD	PRICKLY PEA
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E 4300750124			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E 4300750125	Fe		GW	APD	PRICKLY PEA
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E 4300750126			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 14-8D-12-15	08	1205	150E 4300750127			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 9-21D-12-15	21	1205	150E 4300750128			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 9A-21D-12-15	21	1205	150E 4300750129			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 10-21D-12-15	21	1205	150E 4300750130			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 10A-21D-12-15	21	1205 120S	150E 4300750131			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 15A-21D-12-15	21	1205	150E 4300750132			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 15X-21D-12-15	21	1205 1205	150E 4300750132			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 16-21D-12-15	21	1205 1205	150E 4300750134			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 16A-21D-12-15	21	1205 1205	150E 4300750135			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 13A-22D-12-15	21	1205 1205	150E 4300750148			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 13A-22D-12-15 PRICKLY PEAR UF 1A-27D-12-15	21	1203 1205	150E 4300750148			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 2A-27D-12-15	22	1203 1205	150E 4300750162			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 3A-27D-12-15	22		150E 4300750162			GW	APD	PRICKLY PEA
			150E 4300750164			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E 4300750165			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 11A 22D 12 15	22	120S	150E 4300750165		•	GW	APD	PRICKLY PEA
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E 4300750167			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 12A-22D-12-15	22					GW	APD	PRICKLY PEA
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E 4300750168			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E 4300750169			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E 4300750170				APD	PETERS POIN
PETERS POINT UF 15X-36D-12-16	36	120S	160E 4300750178			GW		
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E 4300750180			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E 4300750181			GW	APD	PRICKLY PEA
PETERS POINT UF 10-1D-13-16	36	120S	160E 4300750182			GW	APD	PETERS POIN
PETERS POINT UF 9-1D-13-16	36	120S	160E 4300750183			GW	APD	PETERS POIN
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E 4300750184			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E 4300750185			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E 4300750186			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E 4300750187			GW	APD	PRICKLY PEA
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E 4300750188	Fe	ederal (	GW	APD	PRICKLY PEA

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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	1208	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

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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	1208	150E 4300750335	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	1208	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	Р	

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STONE CABIN UNIT 1	13	120S	140E 4300716542	12052 Federal	GW	Р	
STONE CABIN FED 1-11	11	120S	140E 4300730014	6046 Federal	GW	Р	
STONE CABIN FED 2-B-27	27	120S	150E 4300730018	14794 Federal	GW	Р	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E 4300730049	2455 Federal	GW	Р	
PETERS POINT ST 2-2-13-16	02	130S	160E 4300730521	14387 State	GW	Р	
PRICKLY PEAR ST 16-15	16	120S	150E 4300730522	14794 State	GW	Р	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E 4300730761	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E 4300730762	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E 4300730763	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E 4300730764	2470 Federal	GW	Р	PETERS POINT
HUNT RANCH 3-4	03	1208	150E 4300730775	13158 State	GW	Р	
PETERS POINT U FED 4-31D-12-17	36	120S	160E 4300730810	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E 4300730812	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E 4300730825	14353 Federal	GW	Р	
PRICKLY PEAR UNIT 21-2	21	120S	150E 4300730828	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E 4300730859	14692 Federal	GW	Р	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E 4300730866	14386 State	GW	Р	
PRICKLY PEAR U ST 13-16	16	120S	150E 4300730933	14794 State	GW	Р	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E 4300730944	14794 State	GW	Р	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E 4300730945	14794 State	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E 4300730954	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E 4300730965	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E 4300730982	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E 4300731004	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E 4300731005	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E 4300731008	14897 Federal	GW	Р	
PETERS POINT U FED 12-31D-12-17	36	120S	160E 4300731009	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E 4300731010	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E 4300731011	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E 4300731018	14794 State	GW	Р	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E 4300731024	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E 4300731049	14692 Federal	GW	Р	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E 4300731056	15909 State	GW	Р	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E 4300731073	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E 4300731074	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E 4300731075	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E 4300731076	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E 4300731121	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E 4300731158	14692 Federal	GW	Р	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E 4300731164	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E 4300731165	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E 4300731166	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	1205	160E 4300731174	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E 4300731175	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	1205	150E 4300731183	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	1205	150E 4300731184	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E 4300731186	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E 4300731187	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S		14794 Federal	GW	Р	PRICKLY PEAR

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

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PPU FED 3-18D-12-15	18	1208	150E 4300731314	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E 4300731315	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E 4300731316	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E 4300731317	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E 4300731318	2470 Federal	GW	Р	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E 4300731319	2470 Federal	GW	Р	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E 4300731320	2470 Federal	GW	Р	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E 4300731321	14794 Federal	GW	Р	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E 4300731322	14794 State	GW	Р	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E 4300731323	14794 State	GW	Р	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E 4300731324	14794 State	GW	Р	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E 4300731326	14692 Federal	GW	Р	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E 4300731328	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E 4300731329	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E 4300731345	2470 Federal	GW	Р	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E 4300731346	2470 Federal	GW	Р	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E 4300731347	2470 Federal	GW	Р	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E 4300731348	2470 Federal	GW	Р	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E 4300731349	2470 Federal	GW	Р	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E 4300731351	2470 Federal	GW	Р	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E 4300731352	2470 Federal	GW	Р	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E 4300731353	2470 Federal	GW	Р	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E 4300731358	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E 4300731359	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E 4300731360	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E 4300731361	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E 4300731362	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E 4300731363	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E 4300731364	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E 4300731365	2470 Federal	GW	Р	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E 4300731368	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E 4300731393	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 10-18D-12-15	18	120S	150E 4300731394	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E 4300731395	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	1208	150E 4300731396	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E 4300731398	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E 4300731399	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E 4300731400	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E 4300731401	14794 Federal	GW	Р	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E 4300731403	2470 Federal	GW	Р	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E 4300731404	2470 Federal	GW	Р	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E 4300731405	2470 Federal	GW	Р	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E 4300731406	2470 Federal	GW	Р	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E 4300731407	2470 Federal	GW	Р	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E 4300731408	2470 Federal	GW	Р	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E 4300731409	2470 Federal	GW	Р	PETERS POINT
PPU FED 15-27D-12-16	27	1208	160E 4300731410	2470 Federal	GW	Р	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E 4300731411	2470 Federal	GW	Р	PETERS POINT
PPU FED 11-21D-12-15	21	120S	150E 4300731412	14794 Federal	GW	Р	PRICKLY PEAR

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

PETERS POINT U FED 10-25D-12-16	25	120S	160E 4300750035	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E 4300750037	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E 4300750038	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E 4300750039	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E 4300750040	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E 4300750041	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E 4300750042	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	1208	150E 4300750043	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E 4300750044	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E 4300750045	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E 4300750046	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E 4300750047	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E 4300750048	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E 4300750049	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E 4300750050	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E 4300750051	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E 4300750052	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E 4300750053	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E 4300750054	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E 4300750056	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E 4300750057	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E 4300750058	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E 4300750059	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E 4300750060	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E 4300750061	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E 4300750062	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT U FED 3A-34D-12-16	27	120S	160E 4300750063	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E 4300750064	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E 4300750065	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E 4300750066	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E 4300750067	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E 4300750068	18204 Federal	GW	Р	
PETERS POINT U FED 14A-27D-12-16	27	120S	160E 4300750069	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E 4300750076	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E 4300750077	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E 4300750078	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E 4300750079	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E 4300750080	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E 4300750081	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E 4300750082	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	1208	150E 4300750083	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E 4300750084	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E 4300750085	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E 4300750086	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E 4300750087	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E 4300750088	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	1208	140E 4300750089	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	1205	140E 4300750090	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	1205	140E 4300750091	14794 Federal	GW	Р	PRICKLY PEAR
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PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E 4300750098	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E 4300750099	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E 4300750100	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E 4300750101	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E 4300750102	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E 4300750104	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E 4300750105	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E 4300750106	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E 4300750107	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT U FED 5-31D-12-17	36	120S	160E 4300750109	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 6-31D-12-17	36	120S	160E 4300750116	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 9X-36D-12-16	36	120S	160E 4300750117	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 1-36D-12-16	36	120S	160E 4300750118	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 10-6D-13-17	06	130S	170E 4300750119	2470 Federal	GW	Р	PETERS POINT
PETERS POINT U FED 15-31D-12-17	06	130S	170E 4300750123	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E 4300750136	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E 4300750137	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E 4300750138	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E 4300750139	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E 4300750140	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E 4300750141	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E 4300750142	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 13-9D-12-15	08	120S	150E 4300750143	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 12-9D-12-15	08	120S	150E 4300750144	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 10-8D-12-15	08	120S	150E 4300750145	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 9-8D-12-15	08	120S	150E 4300750146	14794 Federal	GW	Р	PRICKLY PEAR
PRICKLY PEAR UF 2A-17D-12-15	08	120S	150E 4300750147	14794 Federal	GW	Р	PRICKLY PEAR
PETERS POINT UF 12-5D-13-17	06	130S	170E 4300750151	2470 Federal	GW	Р	PETERS POINT
PETERS POINT UF 13-5D-13-17	06	130S	170E 4300750152	2470 Federal	GW	Р	PETERS POINT
PETERS POINT UF 13-30D-12-17	30	120S	170E 4300750153	18347 Federal	GW	Р	PETERS POINT
PETERS POINT UF 14-30D-12-17	30	1208	170E 4300750154	18350 Federal	GW	Р	PETERS POINT
PETERS POINT UF 12-30D-12-17	30	1205	170E 4300750155	18346 Federal	GW	Р	PETERS POINT
PETERS POINT UF 11-30D-12-17	30	120S	170E 4300750156	18348 Federal	GW	Р	PETERS POINT
PETERS POINT UF 3-31D-12-17	30	1205	170E 4300750157	2470 Federal	GW	Р	PETERS POINT
PETERS POINT UF 2-31D-12-17	30	120S	170E 4300750158	18349 Federal	GW	Р	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	1205	170E 4300750160	2470 Federal	GW	Р	PETERS POINT
PRICKLY PEAR UF 1A-22D-12-15	22	1205 1205	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	1205 1205	150E 4300750174	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-22D-12-15	22	1205 120S	150E 4300750175	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 14B-15D-12-15	22	1205 1205	150E 4300750176	14794 Federal	GW	P	PRICKLY PEAR
	09	1203 120S	150E 4300750195	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-9D-12-15	09	120S	150E 4300750202	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16-9D-12-15		1205	150E 4300750202	18289 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8-14D-12-15	14 14			18299 Federal	GW	r P	PRICKLY PEAR
PRICKLY PEAR UF 15-14D-12-15	14 26	1208	150E 4300750221	2470 Federal	GW GW	P	PETERS POINT
PETERS POINT UF 7X-36D-12-16	36	120S	160E 4300750231		GW GW	P	PETERS POINT
PETERS POINT UF 8-36D-12-16	36	120S	160E 4300750232	2470 Federal		P PA	r liteko ronni
PETERS POINT ST 6-2D-13-16	02	1308	160E 4300731017	14472 State	D	ГA	

		1100	1405 4201220406	(100 04-4-	CW	D A	ARGYLE
PTS 33-36 STATE	36	110S	140E 4301330486	6190 State	GW	PA	AKUILE
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
						,	

#### Division of Oil, Gas and Mining Operator Change/Name Change Worksheet-for State use only

Effective Date: 7/1/2020	
FORMER OPERATOR:	NEW OPERATOR:
EnerVest Operating, LLC	Wapiti Operating, LLC
Groups: Peters Point Unit Prickley Pear	

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Туре	Status	
Attached List										
Total Well Count:	372									
Pre-Notice Completed:	9/21/2020									
OPERATOR CHANGES DOCU	WAR TO COMPANY AND AND AN ANY ANY ANY									
1. Sundry or legal documentation w			RMER	operator on			9/22/2020			
2. Sundry or legal documentation v							9/22/2020			
3. New operator Division of Corpo					8686060-0161					
<b>REVIEW:</b> Receipt of Acceptance of Drilling 1	Procedures for A	PD on				10/9/2020				
Reports current for Production/Dis					12/14/2020 Ener	AND CHARLEN AND COMPANY AND COMPANY	t Wapiti needs to s	ubmit Oct	ober	
OPS/SI/TA well(s) reviewed for fu			d by Du	istin	12/14/2020					
UIC5 on all disposal/injection/stora					9/28/2020					
Surface Facility(s) included in open			11	Prickly Pear 13-	4WMF					
	c			Prickly Pear 7-2	B					
				Prickly Pear 15-:	17					
				Jack Cyn U St 14	-32 TB					
				Prickly Pear 1-2	8-12-15					
				Prickly Pear Wat	ter Management					
				Water Canyon						
				Interplanetary						
				Dry Canyon						
				Peters Point						
				Peters Point U F	ed 2-12D-13-16					
NEW OPERATOR BOND VER	IFICATION:									
State/fee well(s) covered by Bond	Number(s):			B010407						
DATA ENTRY:										
Well(s) update in the RBDMS on:				12/14/2020						
Group(s) update in RDBMS on:				12/14/2020						
Surface Facilities update in RBDM	IS on:			12/14/2020						
Entities Updated in RBDMS on:				12/14/2020						

#### **COMMENTS:**

Shut-In Wells reviewed: Prickly Pear US 1A-16D-12-15 4300750192 Prickly Pear IS 2-16D-12-15 4300750194 Prickly Pear IS 2A-16D-12-15 4300750193 12/14/2020 Division approved extend shut-in status for wells until November 2021, no full-cost bonding required at this time.

	STATE DEPARTMENT OF N DIVISION OF OIL						FORM 9 SE DESIGNATION AND SERIAL NUMBER E ATTACHED WELL LIST)
SUNDRY	NOTICES AN	D REPORT	s ol	WEL	LS		IDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill ne drill horizontal lat	w wells, significantly deeper erals. Use APPLICATION F	existing wells below cur OR PERMIT TO DRILL	rrent bot	tom-hoie dep such propose	ih, reenter plugged wells, or		T or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL		-					L NAME and NUMBER:
2 NAME OF OPERATOR: WAPITI OPERATING, LLC	:						NUMBER: HIBIT A
3. ADDRESS OF OPERATOR: 1310 W S HOUSTON PW N	HOUSTON	тх	7704	43	PHONE NUMBER (713) 365-8500		LD AND POOL, OR WILDCAT: HIBIT A
4. LOCATION OF WELL FOOTAGES AT SURFACE:						COUN	n
QTR/QTR. SECTION, TOWNSHIP, RANG	GE, MERIDIAN:					STATE	ИТАН
11. CHECK APPR	OPRIATE BOXE	S TO INDICAT	TE N	ATURE	OF NOTICE, RE	PORT, O	R OTHER DATA
TYPE OF SUBMISSION				Т	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE			DEEPEN			REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING			FRACTURE	TREAT		SIDETRACK TO REPAIR WELL
Approximate date work will start	CASING REPAIR			NEW CONS			TEMPORARILY ABANDON
7/1/2020	CHANGE TO PREV	IOUS PLANS		OPERATOR			TUBING REPAIR
SUBSEQUENT REPORT	CHANGE TUBING		Ц	PLUG AND			VENT OR FLARE
(Submit Original Form Only)	CHANGE WELL NA			PLUG BACK			WATER DISPOSAL WATER SHUT-OFF
Date of work completion:		UCING FORMATIONS			ION (START/RESUME)		
	CONVERT WELL T				TE - DIFFERENT FORMAT		OTHER:
		Concertainty - the second	<u> </u>		to an		
¹² DESCRIBE PROPOSED OR CO WAPITI OPERTING, LLC ATTACHMENT A HAVE B 07/01/2020. PLEASE REF	IS SUBMITTING	THIS SUNDRY	YAS		CATION THAT T	HE WELL	
WAPITI OPERATING, LLC 1310 WEST SAM HOUST HOUSTON, TX 77043 713-365-8500		EPA BOND N STATE OF UT	ю. U Тан, ю. в Ган,	TB0005 DNR B0 011056 SCHOO	81 OND NO. B0104	T LANDS	BOND NO. B011057 . B011058
ENERVEST OPERTING, NAME:KEITH BART		WAPITI OPI NAME:E			-1-		
SIGNATURE: Frith	Buto	SIGNATUR		3.	eq	-	
TITLE:MANAGER-REC	GULATORY	TITLE:	CO-F	RESID	ENT, WAPITI OP	ERATING	G, LLC
NAME (PLEASE PRINT)				11T	LE		
SIGNATURE							
(This space for State use only)							APPROVED
(5/2000)		(See ins	struction	s on Reverse	Side)		By: Rachel Midina Utah Division of Oil, Gas, and Mining



an na an a	
	THORITY TO INJECT
Well Name and Number PRICKLY PEAR U FED 12-24	API Number 4300730953
Location of Well	Field or Unit Name NINE MILE CANYON
Footage : 1271FSL,0483FWL	County : CARBON Lease Designation and Number
QQ, Section, Township, Range: SWSW 24 12S 14E	State: UTAH UTU-77513
EFFECTIVE DATE OF TRANSFER: 7/1/2020	
CURRENT OPERATOR	
Company: ENERVEST OPERATING, LLC	Name: KEITH BARTON
Address: 1001 FANNIN STE 800	Signature: Seith Batta
city HOUSTON state TX zip 77002	Title: MANAGER-REGULATORY
Phone: (713) 495-5328	Date: 7/1/2020
Comments:	
P-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
NEW OPERATOR	
Company: WAPITI OPERATING, LLC	Name: BART AGEE
Address: 1310 WEST SAM HOUSTON PKWY NORTH	Signature:
city HOUSTON state TX zip 77043	Title: CO-PRESIDENT
Phone: (713) 365-8500	Date:
Comments: STATE OF UTAH BOND NO. B010407	
Contraction of the second se	
(This space for State use only) Approved by the	
Utah Division of	EPA approval required
Oil, Gas and Mining	Max Inj. Press. 2000 psig Max Inj. Rate limited by pressure
Dor	Perm. Inj. Interval 6295'-7630'
	Packer Depth >6195'

Next MIT Due 12/13/2023

Sep 25, 2020



	TRANS	FER OF AUTH	IORITY TO I	NJECT
and the second sec				API Number 4300730460
Location of Well				Field or Unit Name PETERS POINT
Footage: 20	21FNL,0652FEL		County : CARBO	Lease Designation and Number
QQ, Section,	Township, Range: SENE 32 12	S 16E	State : UTAH	ML-43541
EFFECTIVE D	ATE OF TRANSFER: 7/1/2020			
CURRENT OP	ERATOR			
Company:	ENERVEST OPERATING, LLC		Name:	KEITH BARTON
Address:	1001 FANNIN STE 800		Signature:	Leith Batter
	city HOUSTON state TX zi	in 77002	Title:	MANAGER-REGULATORY
Phone:	(713) 495-5328		> Date:	7/1/2020
			Dals.	
Comments:				
NEW OPERAT	OR			
Company:	WAPITI OPERATING, LLC		Name:	BARTAGEE
Address:	1310 WEST SAM HOUSTON PK	WY NORTH	Signature:	1SeA/
	city HOUSTON state TX z	_{ip} 77043	Title:	CO-PRESIDENT
Phone:	(713) 365-8500	0 Sternet of the second second second	Date:	
	STATE OF UTAH BOND NO. BO	10407		
Commond.				
(This space for St	ate use only) Approved by th	e		PA approval required

Utah Division of Oil, Gas and Mining

Sep 25, 2020

Max Inj. Press. Max Inj. Rate Perm. Inj. Interval Packer Depth Next MIT Due 1350 psig Limited by pressure 3390'-4286' >3290' 7/12/2021



		TRAN	SFER OF	AUTHORITY TO I	NJECT		
Well Name and N JACK CYN U						Pl Number 4300730913	
Location of Well	24EOL 4470EM			04750		ield or Unit Name UNDESIGNATED	
-	31FSL,1479FWL Township, Range: SWS	W 32	12S 16E	County : CARBO		ease Designation and Number ML-43541	
							angelyndiation an gege
EFFECTIVE D	ATE OF TRANSFER:	7/1/2020					
CURRENT OPE	RATOR						
Company:	ENERVEST OPER	ATING, LLC		Name:	ĶEITH B	ARTON	
	1001 FANNIN STE	800		Signature:	Leit	+ Baton	
	dity HOUSTON	state TX	zip 77002	Title:		R-REGULATORY	
Phone:	(713) 495-5328		and a state of the	Date:	7/1/2020		
Comments:							
		and the second			····		
NEW OPERAT	OR						

Company:	WAPITI OPERATING, LLC	Name: BART AGEE
Address:	1310 WEST SAM HOUSTON PKWY NORTH	Signature:
	city HOUSTON state TX zip 77043	Title: CO-PRESIDENT
Phone:	(713) 365-8500	Date:
Comments:	STATE OF UTAH BOND NO. B010407	

(This space for State use only)

Approved by the Utah Division of Oil, Gas and Mining

Jar

Sep 25, 2020

EPA approval require
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Max Inj. Press. Packer Depth Next MIT Due

Max Inj. Press.2769 psigMax Inj. Ratelimited by pressurePerm. Inj. Interval6620'-8510'Packer Depth>6520' 7/12/2021



oll, gas & nerting	
TRANSFER OF AU	THORITY TO INJECT
Well Name and Number PRICKLY PEAR U FED 10-4	APt Number 4300730823
Location of Well	Field or Unit Name
Footage: 075FSL,0271FEL	County : CARBON STONE CANYON Lease Designation and Number
QQ, Section, Township, Range: SESE 10 12S 14E	State : UTAH UTU-73665
EFFECTIVE DATE OF TRANSFER: 7/1/2020	
CURRENT OPERATOR	
Company: ENERVEST OPERATING, LLC	Name: KEITH BARTON
Address: 1001 FANNIN STE 800	signature: Seith Batton
city HOUSTON state TX zip 77002	Title: MANAGER-REGULATORY
Phone: (713) 495-5328	Date: 7/1/2020
Comments:	
NEW OPERATOR	
Company: WAPITI OPERATING, LLC	Name: BART AGEE
Address: 1310 WEST SAM HOUSTON PKWY NORTH	Signature:
city HOUSTON state TX zip 77043	
Phone: (713) 365-8500	Date:
Comments: STATE OF UTAH BOND NO. B010407	
(This space for State use only) Approved by the	
Utah Division of	EPA approval required
Oil, Gas and Mining	Max Inj. Press. 1200 psig
Just	Max Inj. Rate Limited by pressure Perm. Inj. Interval 3265'-4145'
Sep 25, 2020	Packer Depth >3165'

1/16/2024

Packer Depth Next MIT Due

This well has been inactive > 1yr and must meet requirements of R649-3-36. Full cost bonding may be required.

(12/2019)