

Form 3160-3
(October 2024)FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work:	<input type="checkbox"/> DRILL	<input type="checkbox"/> REENTER	7. If Unit or CA Agreement, Name and No.
1b. Type of Well:	<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	8. Lease Name and Well No.
1c. Type of Completion:	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Single Zone	<input type="checkbox"/> Multiple Zone
			Bond 33 34 Federal Com 207H # & Name Changed by NOI (attached)
2. Name of Operator			9. API Well No. 30-025-55721
3a. Address		3b. Phone No. (include area code)	
4. Location of Well (Report location clearly and in accordance with any State requirements. *)			10. Field and Pool, or Exploratory
At surface			11. Sec., T. R. M. or Blk. and Survey or Area
At proposed prod. zone			
14. Distance in miles and direction from nearest town or post office*		12. County or Parish	13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.		19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		22. Approximate date work will start*	23. Estimated duration
24. Attachments			

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

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

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		

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

Conditions of approval, if any, are attached.

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

0. SHL: NESE / 1625 FSL / 1221 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.701222 / LONG: -103.783858 (TVD: 0 feet, MD: 0 feet)
PPP: SWNE / 2200 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.705233 / LONG: -103.788148 (TVD: 7820 feet, MD: 8649 feet)
PPP: SWNW / 2200 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7052167 / LONG: -103.7798903 (TVD: 7820 feet, MD: 11189 feet)
PPP: SENW / 2200 FNL / 1320 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7051737 / LONG: -103.7584431 (TVD: 7820 feet, MD: 17786 feet)
PPP: SWNE / 2200 FNL / 2635 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7051999 / LONG: -103.771323 (TVD: 7820 feet, MD: 13824 feet)
BHL: SENE / 2200 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.705146 / LONG: -103.745591 (TVD: 7820 feet, MD: 21739 feet)

BLM Point of Contact

Name: SAMUEL J TRUJILLO
Title: Legal Instruments Examiner
Phone: (575) 234-5943
Email: STRUJILLO@BLM.GOV

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	PBEX Operations LLC
LOCATION:	Section 32, T.18 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico
WELL NAME & NO.:	Bond 32-34 Fed Com 101H
ATS/API ID:	ATS-25-1256
APD ID:	10400103826
Sundry ID:	N/a
WELL NAME & NO.:	Bond 32-34 Fed Com 102H
ATS/API ID:	ATS-25-1255
APD ID:	10400103829
Sundry ID:	N/a
WELL NAME & NO.:	Bond 32-34 Fed Com 103H
ATS/API ID:	ATS-25-1250
APD ID:	10400103891
Sundry ID:	N/a
WELL NAME & NO.:	Bond 33-34 Fed Com 104H
ATS/API ID:	ATS-25-1248
APD ID:	10400103895
Sundry ID:	N/a
WELL NAME & NO.:	Bond 33-34 Fed Com 105H
ATS/API ID:	ATS-25-1246
APD ID:	10400103903
Sundry ID:	N/a
WELL NAME & NO.:	Bond 33-34 Fed Com 106H
ATS/API ID:	ATS-25-1240
APD ID:	10400103914
Sundry ID:	N/a
WELL NAME & NO.:	Bond 32-34 Fed Com 1H
ATS/API ID:	ATS-25-1254
APD ID:	10400103708
Sundry ID:	N/a

WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 32-34 Fed Com 201H ATS-25-1257 10400103830 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 32-34 Fed Com 203H ATS-25-1258 10400103831 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 33-34 Fed Com 207H ATS-25-1244 10400103899 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 33-34 Fed Com 211H ATS-25-1239 10400103917 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 32-34 Fed Com 2H ATS-25-1253 10400103818 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 32-34 Fed Com 3H ATS-25-1252 10400103869 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 33-34 Fed Com 4H ATS-25-1249 10400103892 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 33-34 Fed Com 5H ATS-25-1247 10400103901 N/a
WELL NAME & NO.: ATS/API ID: APD ID: Sundry ID:	Bond 33-34 Fed Com 6H ATS-25-1245 10400103916 N/a

COA

H2S	Yes <input type="button" value="▼"/>		
Potash	None <input type="button" value="▼"/>	None <input type="button" value="▼"/>	
Cave/Karst Potential	Low <input type="button" value="▼"/>		
Cave/Karst Potential	<input type="checkbox"/> Critical		
Variance	<input checked="" type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input checked="" type="radio"/> Other
Wellhead	Conventional and Multibowl <input type="button" value="▼"/>		
Other	<input type="checkbox"/> 4 String <input type="checkbox"/> 5 String	Capitan Reef None <input type="button" value="▼"/>	<input type="checkbox"/> WIPP
Other	Pilot Hole None <input type="button" value="▼"/>	<input type="checkbox"/> Open Annulus	
Cementing	Contingency Squeeze None <input type="button" value="▼"/>	Echo-Meter None <input type="button" value="▼"/>	Primary Cement Squeeze None <input type="button" value="▼"/>
Special Requirements	<input type="checkbox"/> Water Disposal/Injection	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry	Waste Prevention Waste MP <input type="button" value="▼"/>	
Special Requirements Variance	<input type="checkbox"/> BOPE Break Testing <input type="checkbox"/> Offline BOPE Testing	<input type="checkbox"/> Offline Cementing	<input type="checkbox"/> Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Grayburg** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1213 feet** (a minimum of **25 feet (Lea County)**) into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record),

or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke

manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Long Vo (LVO) 4/11/2025



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Operator Certification Data Report

11/30/2025

Operator

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

NAME: MIKAH THOMAS

Signed on: 04/03/2025

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Zip: 79701

Phone: (432)661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



APD ID: 10400103869 **Submission Date:** 03/17/2025
Operator Name: PBEX OPERATIONS LLC
Well Name: BOND 32-34 FED COM **Well Number:** 003H
Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data
reflects the most
recent changes
[Show Final Text](#)

Section 1 - General

APD ID: 10400103869 **Tie to previous NOS?** N **Submission Date:** 03/17/2025
BLM Office: Carlsbad **User:** MIKAH THOMAS **Title:** Regulatory Manager
Federal/Indian APD: FED **Is the first lease penetrated for production Federal or Indian?** FED
Lease number: NMNM18232 **Lease Acres:**
Surface access agreement in place? **Allotted?** **Reservation:**
Agreement in place? NO **Federal or Indian agreement:**
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO **APD Operator:** PBEX OPERATIONS LLC
Operator letter of

Operator Info

Operator Organization Name: PBEX OPERATIONS LLC
Operator Address: 223 WEST WALL STREET STE 900 **Zip:** 79701
Operator PO Box:
Operator City: MIDLAND **State:** TX
Operator Phone: (432)661-7106
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO **Master Development Plan name:**
Well in Master SUPO? NO **Master SUPO name:**
Well in Master Drilling Plan? NO **Master Drilling Plan name:**
Well Name: BOND 32-34 FED COM **Well Number:** 003H **Well API Number:**
Field/Pool or Exploratory? Field and Pool **Field Name:** LUSK **Pool Name:** BONE SPRING, NORTH

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N Use Existing Well Pad? N New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: BOND Number: 2
32-34 FED COM SOUTH

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 10 Miles

Distance to nearest well: 863 FT

Distance to lease line: 1221 FT

Reservoir well spacing assigned acres Measurement: 800 Acres

Well plat: 24_041778_BOND_FED_COM_003H_C102_20250403073332.pdf

24_041778_BOND_FED_COM_003H_C102_Add_Pool_20250403073336.pdf

Well work start Date: 08/01/2025

Duration: 90 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 29796

Reference Datum: KELLY BUSHING

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVd	Will this well produce from this
SHL Leg #1	162 5	FSL	122 1	FEL	18S	32E	32	Aliquot NESE	32.70122 2	-103.7838 58	LEA	NEW MEXICO	NEW MEXICO	S	STATE	368 7			Y
KOP Leg #1	162 5	FSL	122 1	FEL	18S	32E	32	Aliquot NESE	32.70122 2	-103.7838 58	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-356 0 774 9	724 7		Y

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	220 0	FNL	254 0	FEL	18S	32E	32	Aliquot SWNE	32.70523 3	-103.7881 48	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 413 3	864 9	782 0	Y
PPP Leg #1-2	220 0	FNL	0	FW L	18S	32E	33	Aliquot SWNW	32.70521 67	-103.7798 903	LEA	NEW MEXI CO	NEW MEXI CO	F	NMMN 18232	- 413 3	111 89	782 0	Y
PPP Leg #1-3	220 0	FNL	263 5	FW L	18S	32E	33	Aliquot SWNE	32.70519 99	-103.7713 23	LEA	NEW MEXI CO	NEW MEXI CO	F	NMMN 055609 4	- 413 3	138 24	782 0	Y
PPP Leg #1-4	220 0	FNL	132 0	FW L	18S	32E	34	Aliquot SENW	32.70517 37	-103.7584 431	LEA	NEW MEXI CO	NEW MEXI CO	F	NMMN 18302	- 413 3	177 86	782 0	Y
EXIT Leg #1	220 0	FNL	100	FEL	18S	32E	34	Aliquot SENE	32.70514 7	-103.7458 84	LEA	NEW MEXI CO	NEW MEXI CO	F	NMMN 18302	- 413 3	216 49	782 0	Y
BHL Leg #1	220 0	FNL	10	FEL	18S	32E	34	Aliquot SENE	32.70514 6	-103.7455 91	LEA	NEW MEXI CO	NEW MEXI CO	F	NMMN 18302	- 413 3	217 39	782 0	Y

Please Refer to Amended C-102 and Plat (attached to this document)

C-102		State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION				Revised July 9, 2024	
Submit Electronically Via OCD Permitting						Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	41450	Pool Name	LUSK;BONE SPRING, NORTH		
Property Code	Property Name				Well Number	
OGRID No. 332544	BOND 32-34 FED COM				003H	
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal			Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal			

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 10' FEL	Latitude 32.705146°	Longitude -103.745591°	County LEA
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Dedicated Acres 480	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers: R-23685			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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First Take Point (FTP)

UL G	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 2,540' FEL	Latitude 32.705233°	Longitude -103.788148°	County LEA
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Last Take Point (LTP)

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,200' FNL	Ft. from E/W 100' FEL	Latitude 32.705147°	Longitude -103.745884°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3,687.41
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

02/01/2025

Signature Date

Mikah Thomas

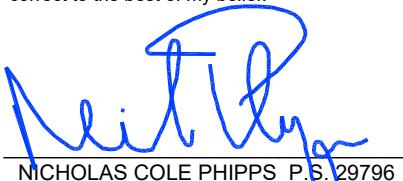
Printed Name

mikah@pbex.com

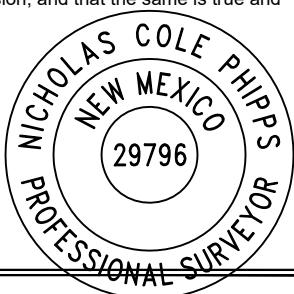
Email Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



NICHOLAS COLE PHIPPS P.S. 29796
COOSA CONSULTING CORPORATION
PO BOX 1583, MIDLAND, TEXAS 79701



Signature and Seal of Professional Surveyor

Certificate Number Date of Survey

29796

11/14/2024

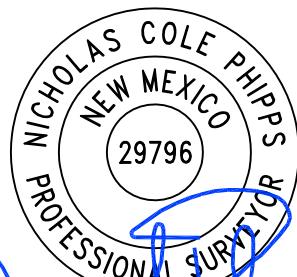
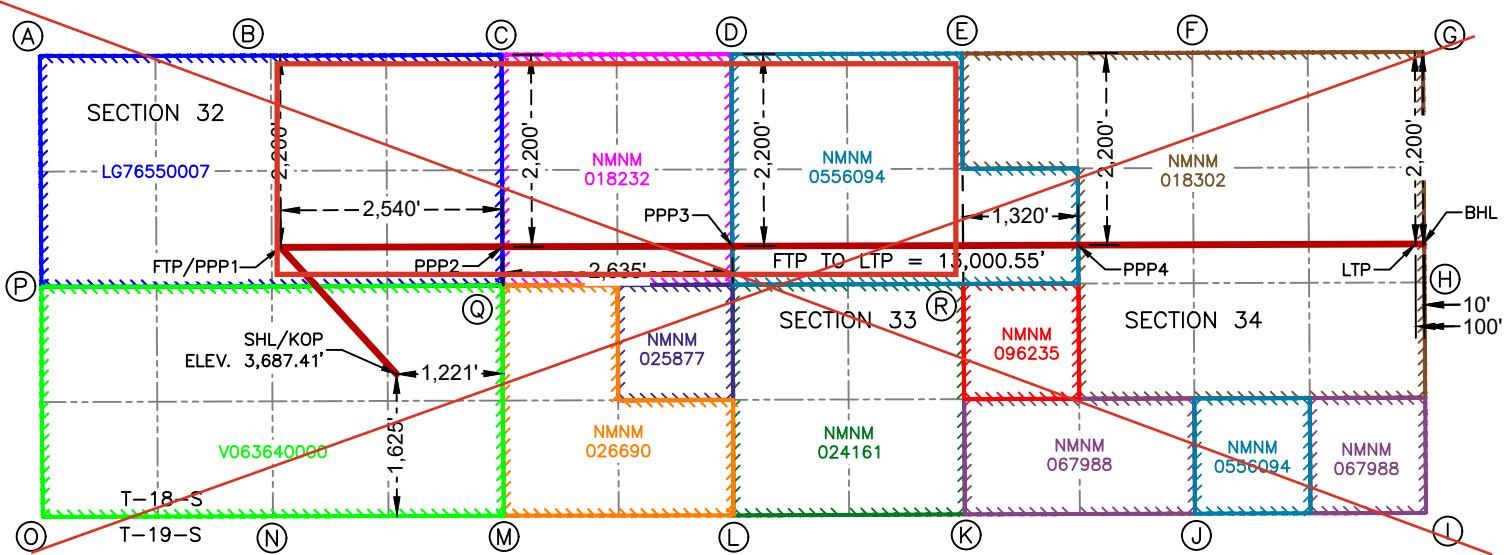
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

Please Refer to Amended C-102 and Plat (attached to this document)



SURFACE HOLE LOCATION
& KICK-OFF POINT
1,625' FSL & 1,221' FEL
ELEV. = 3,687.41'

NAD 83 X = 710,360.35'
NAD 83 Y = 619,273.62'
NAD 83 LAT = 32.701222°
NAD 83 LONG = -103.783858°

FIRST TAKE POINT &
PENETRATION POINT 1
2,200' FNL & 2,540' FEL

NAD 83 X = 709,033.27'
NAD 83 Y = 620,726.25'
NAD 83 LAT = 32.705233°
NAD 83 LONG = -103.788148°

PENETRATION POINT 2
2,200' FNL & 0' FWL

NAD 83 X = 711,573.26'
NAD 83 Y = 620,733.14'
NAD 83 LAT = 32.705216°
NAD 83 LONG = -103.779890°

PENETRATION POINT 3
2,200' FNL & 2,635' FWL

NAD 83 X = 714,208.57'
NAD 83 Y = 620,739.96'
NAD 83 LAT = 32.705197°
NAD 83 LONG = -103.771323°

PENETRATION POINT 4
2,200' FNL & 1,320' FWL

NAD 83 X = 718,170.46'
NAD 83 Y = 620,751.24'
NAD 83 LAT = 32.705169°
NAD 83 LONG = -103.758443°

LAST TAKE POINT
2,200' FNL & 100' FEL

NAD 83 X = 722,033.76'
NAD 83 Y = 620,764.25'
NAD 83 LAT = 32.705147°
NAD 83 LONG = -103.745884°

BOTTOM HOLE LOCATION
2,200' FNL & 10' FEL

NAD 83 X = 722,123.76'
NAD 83 Y = 620,764.57'
NAD 83 LAT = 32.705146°
NAD 83 LONG = -103.745591°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
A	N:622,919.18' E:706,274.71'
B	N:622,925.94' E:708,919.07'
C	N:622,933.11' E:711,562.90'
D	N:622,939.79' E:714,200.05'
E	N:622,946.74' E:716,835.71'
F	N:622,955.24' E:719,478.22'
G	N:622,964.56' E:722,119.22'
H	N:620,324.44' E:722,136.67'
I	N:617,684.31' E:722,154.13'
J	N:617,675.56' E:719,507.45'
K	N:617,667.42' E:716,871.24'
L	N:617,654.91' E:714,220.52'
M	N:617,652.16' E:711,590.74'
N	N:617,645.07' E:708,944.55'
O	N:617,637.10' E:706,308.57'
P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'

Please Refer to Amended C-102 and Plat (attached to this document)

C-102		State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION				Revised July 9, 2024	
Submit Electronically Via OCD Permitting						Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal
				<input type="checkbox"/> Amended Report			
				<input type="checkbox"/> As Drilled			

WELL LOCATION INFORMATION

API Number	Pool Code	50600	Pool Name	QUERECHO PLAINS;UPPER BS				
Property Code	Property Name				BOND 32-34 FED COM		Well Number	003H
OGRID No. 332544	Operator Name				PBEX Operations, LLC		Ground Level Elevation 3,687.41'	
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal				Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal				

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code n/a
Order Numbers: R-23685			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3,687.41
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02/01/2025

Signature

Date

Mikah Thomas

Printed Name

mikah@pbex.com

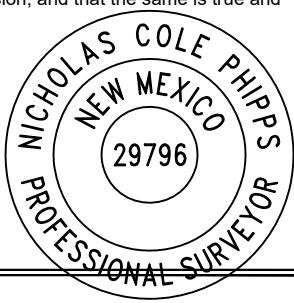
Email Address

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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



NICHOLAS COLE PHIPPS P.S. 29796
COOSA CONSULTING CORPORATION
PO BOX 1583, MIDLAND, TEXAS 79701



Signature and Seal of Professional Surveyor

Certificate Number

29796

Date of Survey

11/14/2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



APD ID: 10400103869

Submission Date: 03/17/2025

Highlighted data
reflects the most
recent changes

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formation
16446771	QUATERNARY	3695	0	0	ALLUVIUM	NONE	N
16446773	RUSTLER	2545	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16446774	TOP OF SALT	2265	1430	1430	ANHYDRITE, SALT	NONE	N
16446775	BASE OF SALT	1520	2175	2185	ANHYDRITE, SALT	NONE	N
16446790	YATES	823	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446791	SEVEN RIVERS	500	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446792	QUEEN	-80	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446794	SAN ANDRES	-570	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446779	CHERRY CANYON	-920	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16446780	BRUSHY CANYON	-1350	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446781	BONE SPRING LIME	-3274	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446782	AVALON SAND	-3495	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16446795	BONE SPRING 1ST	-4625	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446796	BONE SPRING 2ND	-4930	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446797	BONE SPRING 2ND	-5195	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446798	BONE SPRING 3RD	-5735	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446799	BONE SPRING 3RD	-6140	9835	9915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formation
16446800	WOLFCAMP	-6490	10185	10275	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 5000

Equipment: A 13.625" 5M Blowout Preventer system will be installed on a multi-bowl (speed head) wellhead with a 13.625" flanged casing spool. Top flange of casing spool will be set in a cellar below ground level. BOP system will consist of a single pipe ram on the bottom, mud cross, double pipe ram with blind rams on bottom and pipe rams on top, and annular preventer. Blowout preventer will be installed on top of the 13.375 surface casing and will remain installed to TD of the well. Wellhead, blowout preventer, and choke manifold diagram are included.

Requesting Variance? YES

Variance request: Variance is requested to use a co-flex hose between the BOP system and choke manifold. A typical co-flex pressure test certificate is attached. An equipment specific co-flex pressure test certificate will be on site when testing the BOP.

Testing Procedure: All casing strings will be tested in accordance with Onshore Order 2 III.B.1.h. The BOPE will be isolated and tested by an independent tester to 250 psi low and 5,000 psi high for 10 minutes. per CFR 3172 requirements. The annular will only be tested to 3,500 psi for 5M systems. All BOP equipment and auxiliary equipment (Kelly Cocks, Floor Safety Valves, & IBOP) will be compliant with CFR 3172.6 The Surface Casing will be pressure tested to 250 psi low and 1500 psi high. Intermediate Casing will be pressure tested to 250 psi low and (.22 psi x Length Of Casing, which is equivalent to 1130.8 psi OR 1,500 psi, whichever is higher) for 30 minutes

Choke Diagram Attachment:

5M_Choke_EGL_20241218135422.pdf

BOP Diagram Attachment:

5M_BOP_EGL_20241218135409.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1310	0	1310	3687	2377	1310	J-55	54.5	BUTT	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6
2	INTERMEDIATE	12.2 5	9.625	NEW	API	N	0	4000	0	3970	3643	-283	4000	J-55	40	BUTT	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6
3	INTERMEDIATE	12.2 5	9.625	NEW	API	N	4000	4535	3970	4505	-160	-818	535	HCL -80	40	BUTT	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
4	PRODUCTI ON	8.75	5.5	NEW	API	N	0	21739	0	7820	3643	-4133	21739	P-110	17	OTHER - CDC HTQ	1.125	1.125	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1 String SURFACE

Inspection Document:**Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

13.375_54.5000_0.3800_J55_data_sheet_20250228071458.pdf

Casing_Design_Assmpt_3_string_casing_20250228071502.pdf

Casing ID: 2 String INTERMEDIATE

Inspection Document:**Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

Data_Sheet_9.625_Inch_40.00__J55_BTC_SEAH_20250228071914.pdf

Casing_Design_Assmpt_3_string_casing_20250228071918.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

Casing Attachments

Casing ID: 3 String INTERMEDIATE

Inspection Document:**Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

Casing_Design_Assmpt_3_string_casing_20241218135530.pdf

9.625in_40.00lb_ft_L80_HC_BORUSAN_20250224115542.pdf

Casing ID: 4 String PRODUCTION

Inspection Document:**Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

5.5in_P110_EC_Casing_Spec_20250228071947.pdf

Casing_Design_Assmpt_3_string_casing_20250228071951.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1200	751	2.22	12.5	1667.3	100	C	Gel, Accelerator, LCM
SURFACE	Tail		1200	1310	83	1.84	13.2	152.8	100	C	Gel, Accelerator, LCM
INTERMEDIATE	Lead		0	3785	804	2.65	10.5	2129.5	100	C or H	Fluid Loss, Retarder, LCM, Possibly beads

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 003H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		3785	4535	240	1.33	13.2	319.2	100	C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		4035	7820	275	4.3	10.5	1184.4	20	H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		7820	2173 9	2589	1.68	13	4349.8	20	H	Fluid Loss, Retarder, LCM

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: All necessary mud products (barite, bentonite, LCM) to control weight and fluid loss will be on site at all times. Mud program may change due to hole conditions. A closed loop system will be used.

Describe the mud monitoring system utilized: An electronic PVT mud system will monitor flow rate, pump pressure, stroke rate, and volume.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1310	SPUD MUD	8.3	8.3							
1310	4535	SALT SATURATED	10.2	10.2							
4535	2173 9	OIL-BASED MUD	9.7	9.7							

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 003H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

A 2-person mud logging program will be used from 3000 to TD. GR log will be acquired by MWD tools from the intermediate casing to TD.

List of open and cased hole logs run in the well:

GAMMA RAY LOG,

Coring operation description for the well:

No core or drill stem test is planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5083**Anticipated Surface Pressure:** 3362**Anticipated Bottom Hole Temperature(F):** 215**Anticipated abnormal pressures, temperatures, or potential geologic hazards?** NO**Describe:****Contingency Plans geohazards description:****Contingency Plans geohazards****Hydrogen Sulfide drilling operations plan required?** YES**Hydrogen sulfide drilling operations**

PBEX_Operations_LLC_H2S_Contingency_Plan_20241229103612.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

BOND_32_34_FED_COM__003H__Plan_1__20250228072157.pdf

BOND_32_34_FED_COM__003H__Plan_1_AC_Report_20250228072200.pdf

Other proposed operations facets description:**Other proposed operations facets attachment:**

Choke_Kill_Line_Certs_20240221201455.pdf

NGMP_Bond_32_34_Fed_Com_20250224105901.pdf

PBEX_NM_Curve_volumes_Mid_Avalon_20241229113444.pdf

PBEX_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

Bond_32_34_FED_COM__003H_Drill_Plan_v4_20250228072236.pdf

Other Variance request(s): N

Other Variance attachment:

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

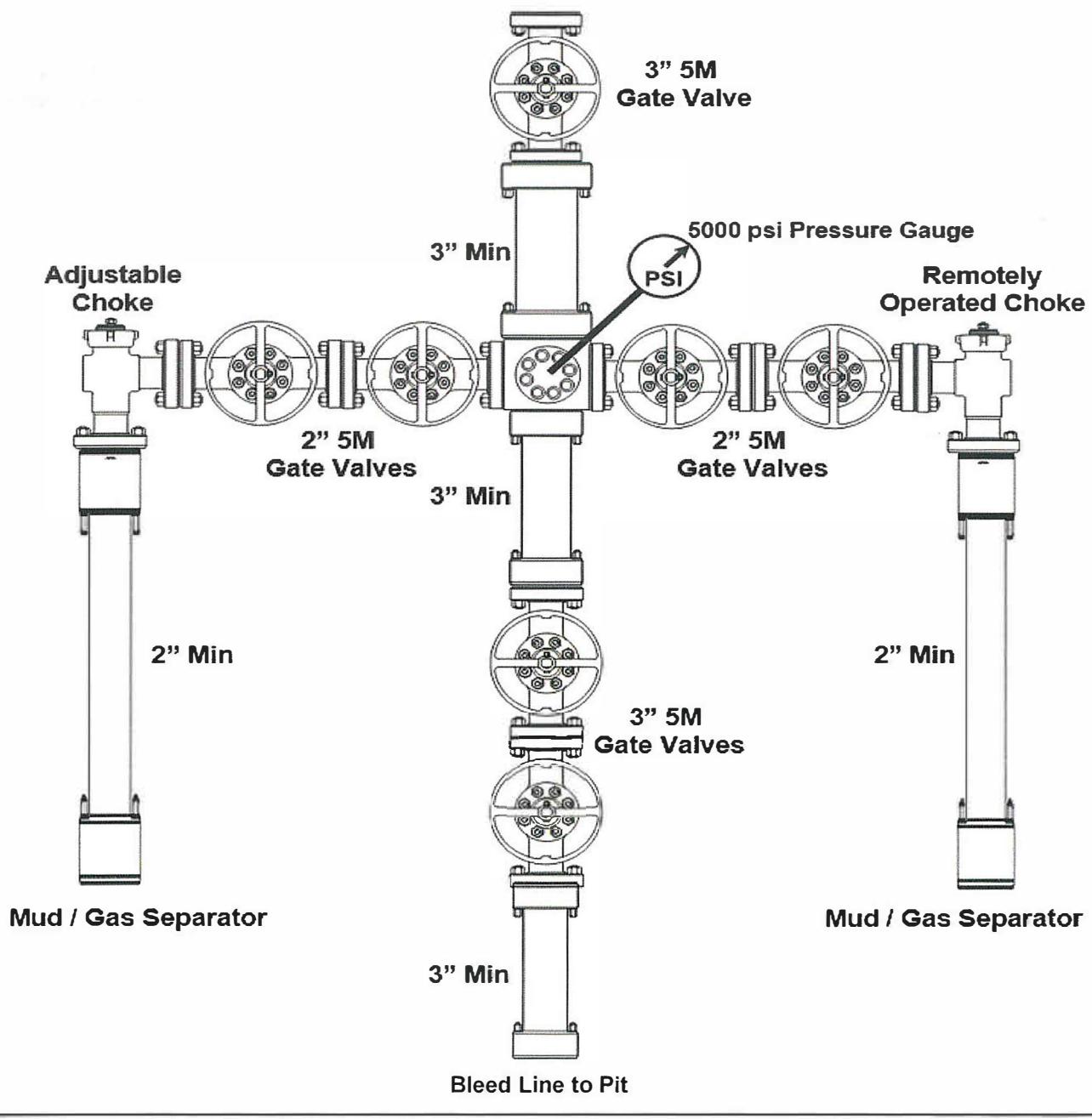
Well Number: 003H

CONFIDENTIAL

	E.G.L. Resources, Inc.	Date	01/26/2024
	223 W Wall St, Midland, TX 79701	Page No.	1 of 1

5M CHOKE MANIFOLD SCHEMATIC

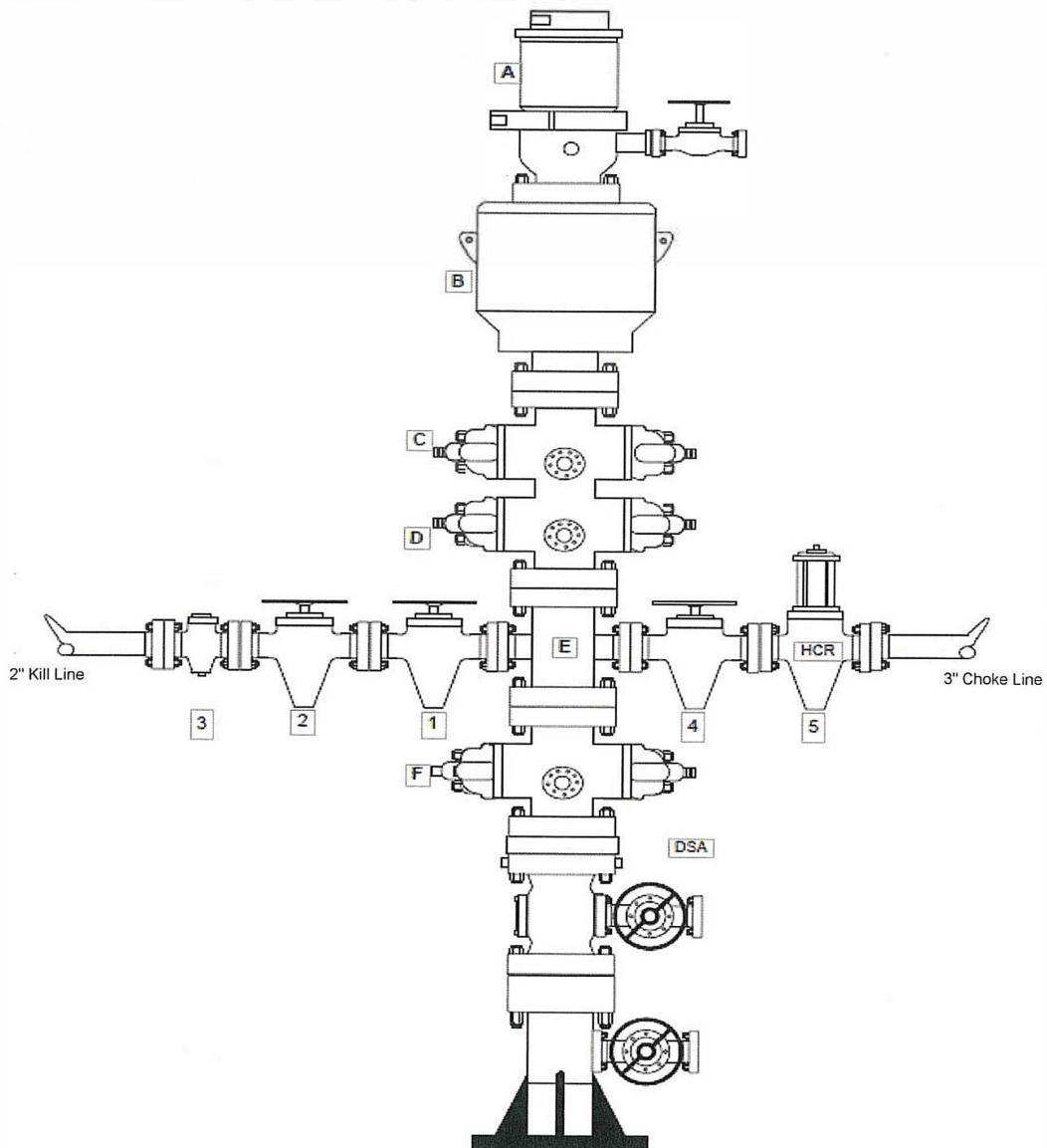
ITEM	SIZE	PRESSURE	DESCRIPTION



 E.G.L. Resources, Inc.	E.G.L. Resources, Inc.	Date	1/26/2024
	223 W Wall St, Midland, TX 79701	Page No.	1 of 1

5M BLOWOUT PREVENTER SCHEMATIC

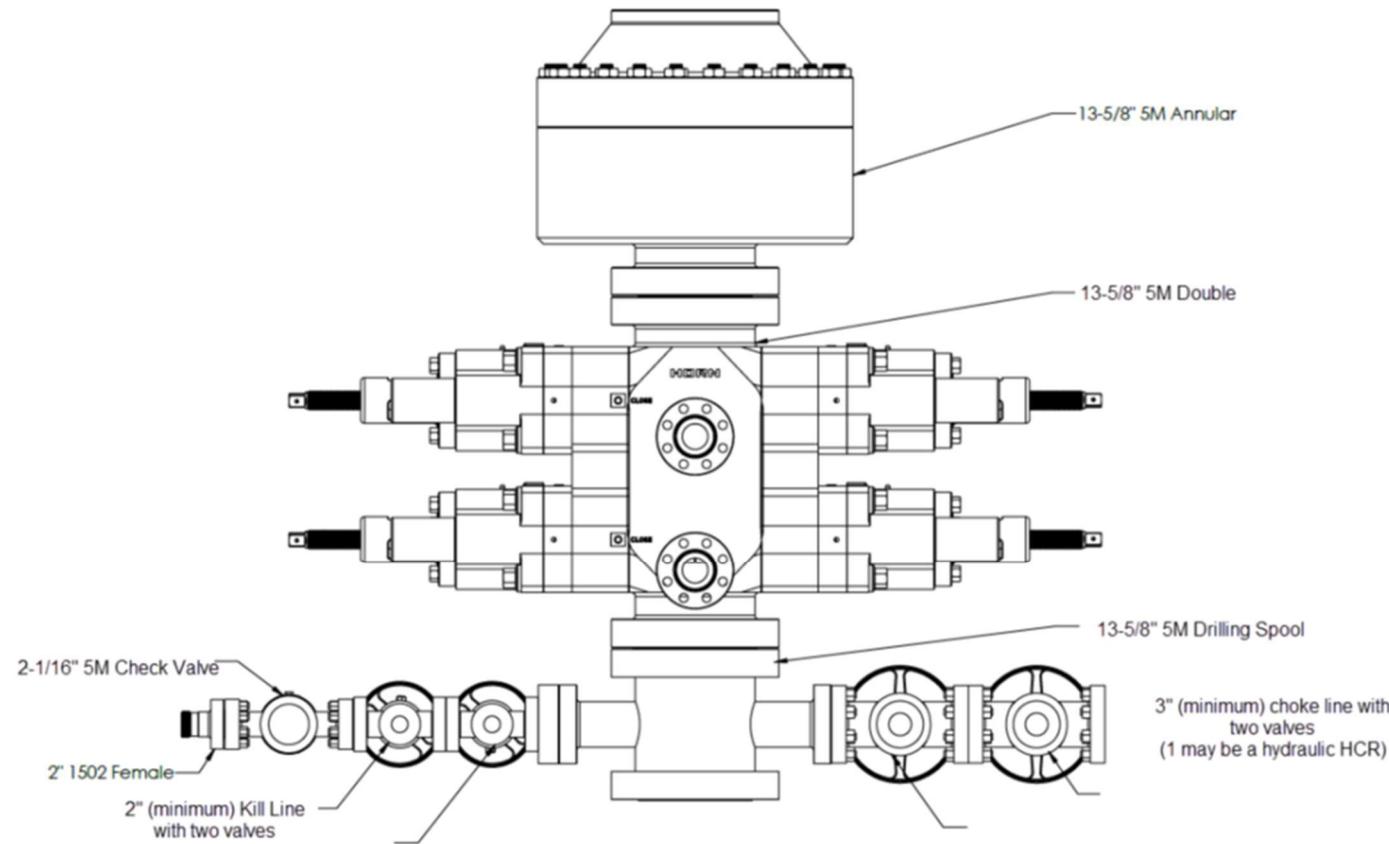
BLOWOUT PREVENTOR COMPONENTS			
ITEM	SIZE	PRESSURE	DESCRIPTION
A	13-5/8"	1,500 psi	Rotating Head + Valve
B	13-5/8"	5,000 psi	Annular Preventer
C	13-5/8"	5,000 psi	Pipe Rams
D	13-5/8"	5,000 psi	Blind Rams
E	13-5/8"	5,000 psi	Mud Cross
F	13-5/8"	5,000 psi	Pipe Rams



KILL LINE			
ITEM	SIZE	PRESSURE	DESCRIPTION
1	2"	5,000 psi	Gate Valve
2	2"	5,000 psi	Gate Valve
3	2"	5,000 psi	Check Valve

CHOKE LINE			
ITEM	SIZE	PRESSURE	DESCRIPTION
4	3"	5,000 psi	Gate Valve
5	3"	5,000 psi	HCR Valve

BOP Diagram 502H



3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

- a. Full internal Evacuation: Collapse force is equal to mud gradient (0.433 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.718 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8727 in water (8.33 ppg).

Intermediate Casing

Collapse: $DF_C = 1.125$

- a. Full Internal Evacuation: Collapse force is equal to mud gradient (0.531 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.626 psi/ft) in which the casing will be run and internal force equivalent to the displacement of fluid gradient.

Burst: $DF_B = 1.125$

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- b. Gas Kick: Internal burst load of a 50 bbl gas kick at the casing with drill pipe in the hole. External force will be 10.2 ppg brine water gradient (0.531 psi/ft) and internal force will be with 10.0 ppg brine water gradient (0.521 psi/ft) with gas kick.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8441 in brine water (10.2 ppg).

Production Casing

Collapse: $DF_C = 1.125$

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- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.688 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

- a. Pressure Test: Pressure test will be to 80% of Internal Yield Pressure of casing intended for fracture stimulation.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8472 in oil-based mud (10.0 ppg).

API 5CT Casing Performance Data Sheet

9 5/8" 40.00 lb/ft L80 HC

Properties are based on the requirements of API 5CT 10th edition and service characteristics of L80 Grade, and bears the API monogram.
Designed for enhanced performance through increased collapse resistance.

Grade	L80 HC
-------	--------

Sizes and Weights

OD	9.625 in
Nominal Wall Thickness	0.395 in
Nominal Weight, T&C	40.00 lb/ft
Nominal Weight, PE	38.97 lb/ft
Nominal ID	8.835 in
Standard Drift	8.679 in
Alternate Drift	8.750 in

Pipe Body Mechanical Properties

Minimum Yield Strength	80,000 psi
Maximum Yield Strength	95,000 psi
Minimum Tensile Strength	95,000 psi
Maximum Hardness	23 HRC

Minimum Performance

Collapse Pressure (Tested per heat for each run)	3,870 psi
Minimal Internal Pressure Yield	5,750
Pipe body Tension Yield	916,000 lbs
Joint Strength STC	N/A
Joint Strength LTC	727,000 lbs
Joint Strength BTC	947,000 lbs
Internal Pressure Leak Resistance STC/LTC Connections	8,460 lbs
Internal Pressure Leak Resistance BTC Connections	9,190 lbs

Inspection and Testing

Visual	OD Longitudinal and independent 3rd party SEA
NDT	Independent 3rd party full body EMI and End Area Inspection after hydrotest. Calibration noth sensitivity: 10% of specified wall thickness.

Color code

Pipe ends	One red, one brown and one blue bands
Couplings	Red with one brown band



U. S. Steel Tubular Products

13.375" 54.50lb/ft (0.380" Wall) J55

11/1/2023 1:00:21 PM

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC	--
Minimum Yield Strength	55,000	--	--	--	psi
Maximum Yield Strength	80,000	--	--	--	psi
Minimum Tensile Strength	75,000	--	--	--	psi
DIMENSIONS	Pipe	BTC	LTC	STC	--
Outside Diameter	13.375	14.375	0.000	14.375	in.
Wall Thickness	0.380	--	--	--	in.
Inside Diameter	12.615	12.615	--	12.615	in.
Standard Drift	12.459	12.459	12.459	12.459	in.
Alternate Drift	--	12.500	--	--	in.
Nominal Linear Weight, T&C	54.50	--	--	--	lb/ft
Plain End Weight	52.79	--	--	--	lb/ft
PERFORMANCE	Pipe	BTC	LTC	STC	--
Minimum Collapse Pressure	1,130	1,130	1,130	1,130	psi
Minimum Internal Yield Pressure	2,740	2,740	2,740	2,740	psi
Minimum Pipe Body Yield Strength	853	--	--	--	1,000 lbs
Joint Strength	--	909	--	514	1,000 lbs
Reference Length	--	11,119	--	6,290	ft
MAKE-UP DATA	Pipe	BTC	LTC	STC	--
Make-Up Loss	--	4.81	--	3.50	in.
Minimum Make-Up Torque	--	--	--	3,860	ft-lb
Maximum Make-Up Torque	--	--	--	6,430	ft-lb

Notes

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460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380
1-877-893-9461
connections@uss.com
www.usstubular.com

UNCONTROLLED

3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

- a. Full internal Evacuation: Collapse force is equal to mud gradient (0.433 psi/ft) in which the casing will be run and internal evacuation of casing.
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9.625" **40#** **.395"** **J-55**

Dimensions (Nominal)

Outside Diameter	9.625	in.
Wall	0.395	in.
Inside Diameter	8.835	in.
Drift	8.750	in.
Weight, T&C	40.000	lbs./ft.
Weight, PE	38.970	lbs./ft.

Performance Properties

Collapse, PE	2570	psi
Internal Yield Pressure at Minimum Yield		
PE	3950	psi
LTC	3950	psi
BTC	3950	psi
Yield Strength, Pipe Body	630	1000 lbs.
Joint Strength		
STC	452	1000 lbs.
LTC	520	1000 lbs.
BTC	714	1000 lbs.

Note: SeAH Steel has produced this specification sheet for general information only. SeAH does not assume liability or responsibility for any loss or injury resulting from the use of information or data contained herein. All applications for the material described are at the customer's own risk and responsibility.

3-string Casing Design Assumptions

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- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8472 in oil-based mud (10.0 ppg).

Technical Specifications

Connection Type: DWC/C-IS PLUS Casing standard	Size(O.D.): 5-1/2 in	Weight (Wall): 20.00 lb/ft (0.361 in)	Grade: VST P110 EC
VST P110 EC	Material		
	Grade		
125,000	Minimum Yield Strength (psi)		
135,000	Minimum Ultimate Strength (psi)		
	Pipe Dimensions		
5.500	Nominal Pipe Body O.D. (in)		
4.778	Nominal Pipe Body I.D.(in)		
0.361	Nominal Wall Thickness (in)		
20.00	Nominal Weight (lbs/ft)		
19.83	Plain End Weight (lbs/ft)		
5.828	Nominal Pipe Body Area (sq in)		
	Pipe Body Performance Properties		
729,000	Minimum Pipe Body Yield Strength (lbs)		
12,090	Minimum Collapse Pressure (psi)		
14,360	Minimum Internal Yield Pressure (psi)		
13,100	Hydrostatic Test Pressure (psi)		
	Connection Dimensions		
6.300	Connection O.D. (in)		
4.778	Connection I.D. (in)		
4.653	Connection Drift Diameter (in)		
4.13	Make-up Loss (in)		
5.828	Critical Area (sq in)		
100.0	Joint Efficiency (%)		
	Connection Performance Properties		
729,000	Joint Strength (lbs)		
26,040	Reference String Length (ft)	1.4 Design Factor	
728,000	API Joint Strength (lbs)		
729,000	Compression Rating (lbs)		
12,090	API Collapse Pressure Rating (psi)		
14,360	API Internal Pressure Resistance (psi)		
104.2	Maximum Uniaxial Bend Rating [degrees/100 ft]		
	Appoximated Field End Torque Values		
16,600	Minimum Final Torque (ft-lbs)		
19,100	Maximum Final Torque (ft-lbs)		
21,600	Connection Yield Torque (ft-lbs)		

For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

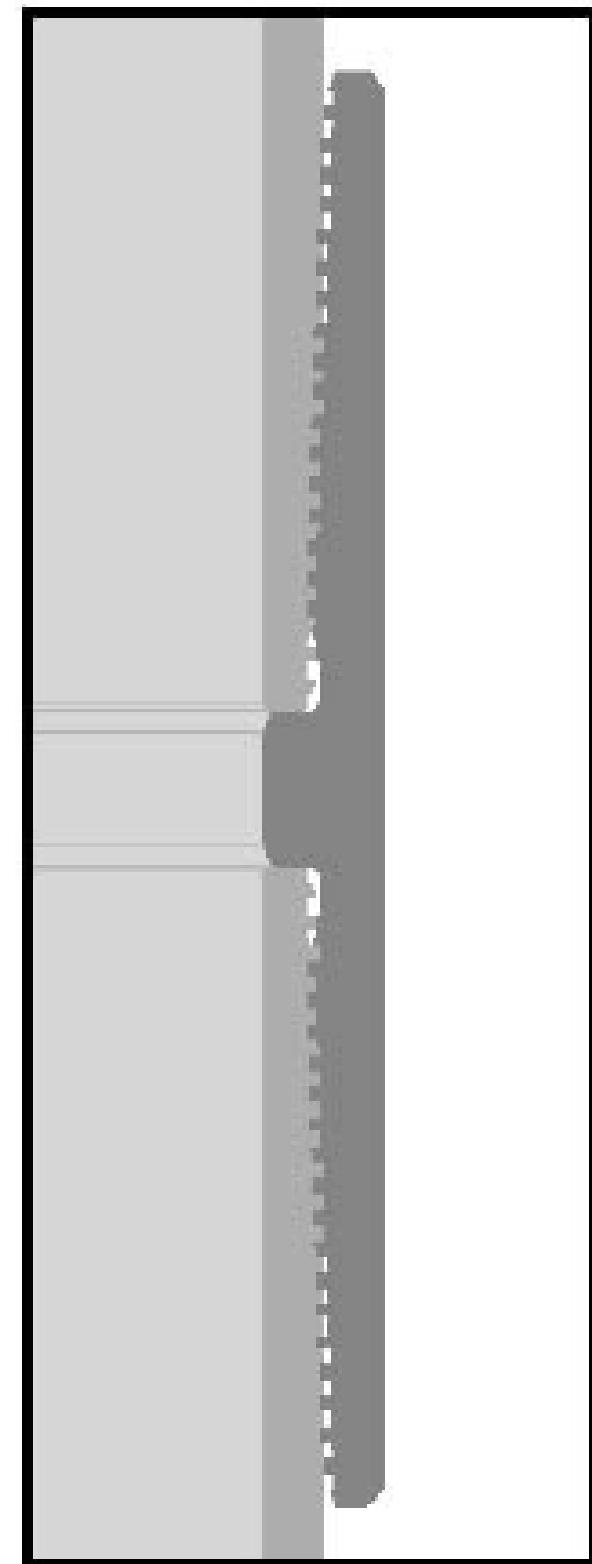
Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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DWC Connection Data Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.



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2/6/2015

3-string Casing Design Assumptions

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- b. Gas Kick: Internal burst load of a 50 bbl gas kick at the casing with drill pipe in the hole. External force will be 10.2 ppg brine water gradient (0.531 psi/ft) and internal force will be with 10.0 ppg brine water gradient (0.521 psi/ft) with gas kick.

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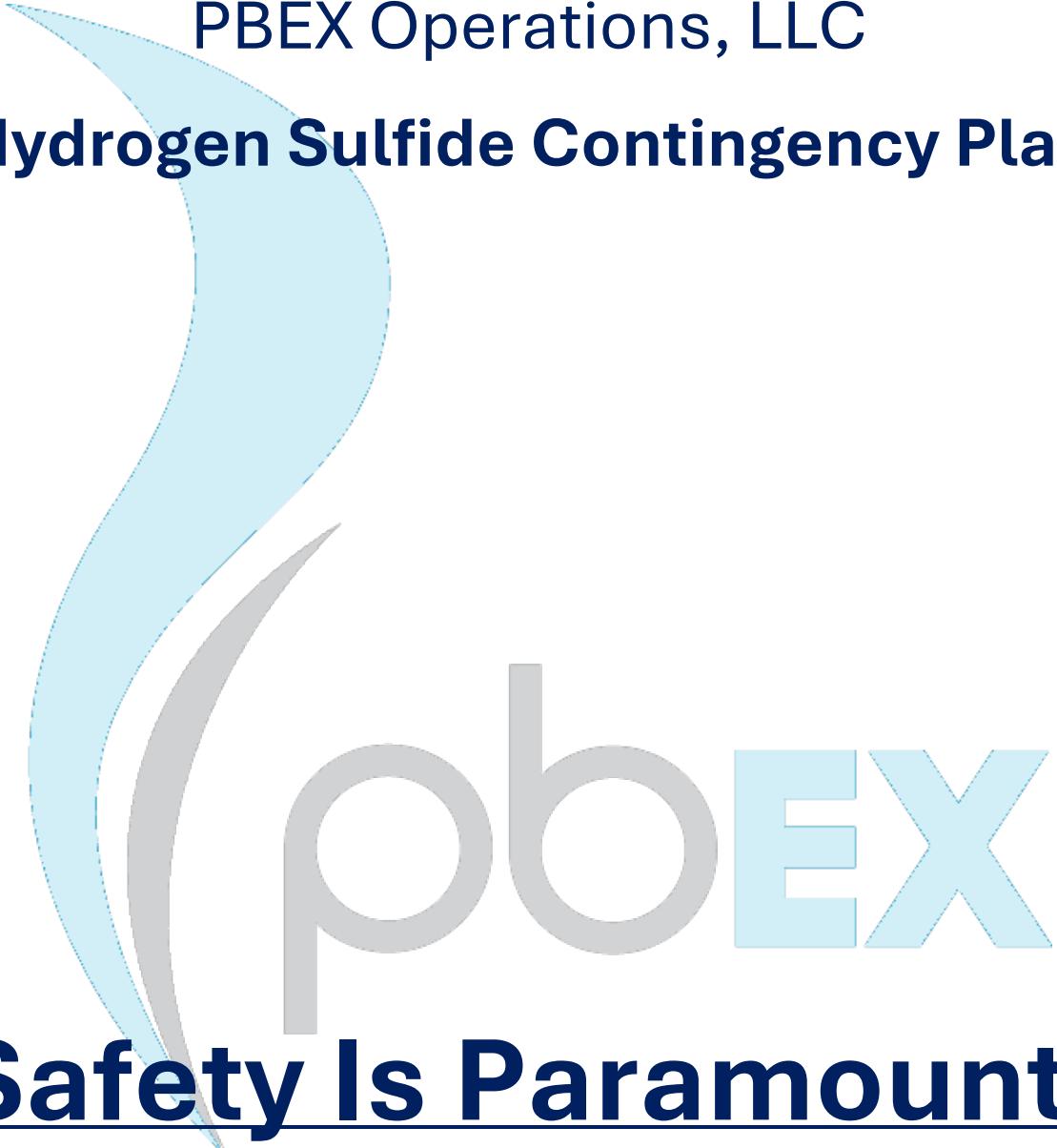
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PBEX Operations, LLC

Hydrogen Sulfide Contingency Plan

Safety Is Paramount!

PBEX believes **Safety is Paramount** to success! Any employee or contractor has the responsibility to cease work and evaluate safety or environmental risks.

No one should put themselves or others in danger to complete a task.

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1. INTRODUCTION

H2S equipment will be rigged up 2 days prior to reaching any potential H2S containing zone or 1,000 feet before the top of the first H2S zone, whichever comes first. Drilling into any potential H2S zone shall not commence until the On-Site Supervisor has confirmed this plan is active and in place.

It is the intention of PBEX Operations, LLC (PBEX) and the drilling, completion, or work-over contractor to make every effort to provide adequate safeguards against harm to people from the effects of hydrogen sulfide, which may be released into the atmosphere under emergency conditions. The ideas and suggestions of the individuals involved in the well work are highly welcomed and act as a fundamental tool for providing the safest working conditions possible.

The On-Site Supervisor is required to enforce these procedures; they are set up for your safety and the safety of all others.

2. PURPOSE

It is PBEX's intent to provide a safe working environment and the safety of the general public is of utmost concern. All precautions will be taken to maintain a safe working environment and protect the general public.

The On-Site Supervisor will enforce all aspects of the H2S Contingency Plan.

In the event there is an accidental H2S release:

- Notify and protect the general public.
- Notify the state and local government agencies.
- Notify the regulatory agencies the OCD, the BLM, the TxRRC.

This is a mandatory notification.

A. OPERATING PROCEDURES

On-Site personnel shall be referred to as "In Scope Personnel" or "Out of Scope Personnel", per the following definitions:

In Scope Personnel – Personnel who will be working or present in potential H2S release areas, including the rig floor, cellar, pits, core handling areas, and shaker areas who duties would require them to don a respirator and perform a task under air during an H2S release. Completions, work-over, or production will include work areas where H2S could also be released.

Out of Scope Personnel – Personnel who will not be working or present in potential H2S areas. Such personnel include rig site visitors, delivery drivers, trucking, camp services personnel, and other non-essential personnel. Such personnel would only proceed to Muster Area for further instructions.

GENERAL:

All regularly assigned In Scope Personnel shall be thoroughly trained in the use of breathing equipment, emergency procedures, as well as their personal roles and responsibilities. The On-Site Supervisor shall keep a list of all personnel who have been through the on-site H2S training program. This documentation will remain onsite until the project is completed.

All personnel arriving on site must notify the On-Site Supervisor of their presence and sign-in. In Scope Personnel will be required to complete the on-site H2S training as well as respirator fit testing before starting work.



B. PROCEDURES TO BE INITIATED PRIOR TO H2S

H2S CONTINGENCY PLAN COMPLIANCE:

All H2S safety equipment must be in place, inspected, tested, and calibrated. Inspections must be documented for auditing purposes.

H2S Safety Company Representative will be responsible for rigging up and maintaining all continuous H2S fixed point detectors and bump testing of the monitoring equipment.

C. DRILLING BELOW CONTINGENCY PLAN DEPTH

The H2S Safety Company Representative will conduct regular safety talks, maintain site safety equipment, and support safety efforts. H2S training records will be kept on location for all personnel and for auditing purposes.

All on site personnel will be made aware of the location of spare air bottles, briefing areas, visual alarms, windsocks, resuscitation equipment, portable fire extinguishers, H2S monitors, sensors, etc.

Upon the initial detection of H2S, all areas of poor ventilation shall be inspected by utilizing a portable H2S detector and the buddy system, the buddy system will be utilized during all alarm situations. When an alarm sounds, In Scope Personnel will don Self-Contained Breathing Apparatus (SCBA), shut the well in, and proceed to the Muster Area for roll call.

D. PROCEDURES PROGRAM

- a. Muster Areas will have two 30-minute SCBA's. On-Site Personnel will assemble to the upwind Muster Area under alarm conditions or when instructed to do so by the On-Site Supervisor or the H2S Safety Company Representative. Windsocks will be placed in strategic and highly visible areas.
- b. One multi-channel, fixed point H2S/ LEL monitor with sensors will be located at the shale shaker, bell nipple, mud pits, and rig floor. Should the alarms be shut off to silence the sirens, the visual alarms must remain in service to warn of potential H2S presence. The H2S Safety Company Representative will continuously monitor H2S levels and will reactivate the alarms if H2S concentrations increase to a dangerous level.
- c. At a minimum, one direct means of egress will always be available for onsite personnel.
- d. Explosion-proof electric fans (bug blowers) will be positioned on drilling jobs to ensure adequate circulation at all critical work areas. The on-site supervisor will notify the drilling contractor of any additional gas dispersion needs.
- e. A kill line securely anchored and of ample strength, will be laid to the well-head from a safe location. This line is to be used only in an emergency.

E. GENERAL

- a. The On-Site Supervisor will have complete charge of the rig and will take whatever action is deemed necessary to ensure safety, protect the well, and prevent additional damage.

3. EMERGENCY PHONE NUMBERS

Emergency Contact List				
Person	State	Location	Cell Phone	
PBEX Operations, LLC Contacts				
EHS/Regulatory Manager - Mikah Thomas	Tx	Midland	(432) 661-7106	
VP of Operations - Bryce Oman	Tx	Midland	(281) 627-6166	
Regulatory Agencies				
Bureau of Land Management	NM	Carlsbad	(575) 886-6544	
Bureau of Land Management	NM	Hobbs	(575) 393-3612	
Bureau of Land Management	NM	Roswell	(575) 622-5335	
Bureau of Land Management	NM	Santa Fe	(505) 954-2000	
DOT Judicial Pipelines - Incident Reporting NM Public Regulation Commission	NM	Santa Fe	(505) 827-3549	
New Mexico Air Quality Bureau	NM	Santa Fe	(505) 827-1494	
New Mexico Oil Conservation Division	NM	Artesia	(575) 748-1283	
New Mexico Oil Conservation Division	NM	Hobbs	(575) 393-6161	
New Mexico Oil Conservation Division	NM	Santa Fe	(505) 476-3770	
New Mexico OCD Environmental Bureau	NM	Santa Fe	(505) 827-7152	
New Mexico Environmental Department	NM	Hobbs	(575) 827-9329	
NM State Emergency Response Center	NM	Santa Fe	(505) 476-9600	
EPA Hotline	Tx	Dallas	(214) 665-6444	
Federal OSHA, Area Office	Tx	Lubbock	(806) 472-7681	
National Response Center		Washington, D.C.	(800) 424-8803	
National Infrastructure Coordinator Center		Washington, D.C.	(202) 282-2901	
OSHA	Tx	Lubbock	(806) 472-7681	
Railroad Commission of Texas	Tx	Austin	(512) 463-6838	
Railroad Commission of Texas- District 08	Tx	Midland	(432) 684-5581	
Railroad Commission of Texas- District 8A	Tx	Lubbock	(806) 698-6509	
Texas Commission of Environmental Quality	Tx	Austin	(512) 239-1000	
Texas Commission of Environmental Quality- Region 2	Tx	Lubbock	(806) 796-7092	
Texas Commission of Environmental Quality- Region 7	Tx	Midland	(432) 570-1359	
Medical Facilities				
Artesia General Hospital	NM	Artesia	(575) 748-3333	
Guadalupe County Hospital	NM	Carlsbad	(575) 887-6633	
Lea Regional Hospital	NM	Hobbs	(575) 492-5000	
Nor-Lea General Hospital	NM	Lovington	(575) 396-6611	
Covenant Medical Center	Tx	Lubbock	(806) 725-1011	
Covenant Medical Center Lakeside	Tx	Lubbock	(806) 725-6000	
Medical Center Hospital	Tx	Odessa	(432) 640-4000	
Midland Memorial Hospital	Tx	Midland	(432) 685-1111	
Odessa Regional Hospital	Tx	Odessa	(432) 334-8200	
University Medical Center	Tx	Lubbock	(806) 725-8200	
Law Enforcement - Sheriff				
Eddy County Sheriff's Department	NM	Artesia	(575) 746-2704	
Eddy County Sheriff's Department	NM	Carlsbad	(575) 887-7551	
Lea County Sheriff's Department	NM	Eunice	(575) 384-2020	
Lea County Sheriff's Department	NM	Hobbs	(575) 393-2515	
Lea County Sheriff's Department	NM	Lovington	(575) 396-3611	
Ector County Sheriff's Department	Tx	Odessa	(432) 335-3050	
Lubbock County Sheriff's Department	Tx	Lubbock	(806) 775-7009	
Midland County Sheriff's Department	Tx	Midland	(432) 688-1277	



Person	State	Location	Cell Phone
Law Enforcement - Police			
Artesia City Police	NM	Artesia	(575) 746-2704
Carlsbad City Police	NM	Carlsbad	(575) 885-2111
Eunice City Police	NM	Eunice	(575) 394-2112
Hobbs City Police	NM	Hobbs	(575) 397-9265
Jal City Police	NM	Jal	(575) 395-2501
Lovington City Police	NM	Lovington	(575) 396-2811
Lubbock City Police	Tx	Lubbock	(806) 775-2865
Midland City Police	Tx	Midland	(432) 685-7113
Odessa City Police	Tx	Odessa	(432) 335-3378
Law Enforcement - FBI			
FBI	NM	Albuquerque	(505) 224-2000
FBI	Tx	Midland	(432) 570-0255
Law Enforcement - DPS (911)			
NM State Police	NM	Artesia	(575) 746-2704
NM State Police	NM	Carlsbad	(575) 885-3137
NM State Police	NM	Eunice	(575) 392-5588
NM State Police	NM	Hobbs	(575) 392-5588
Firefighting and Rescue (911)			
Artesia	NM	Artesia	(575) 746-5751
Carlsbad	NM	Carlsbad	(575) 885-3125
Eunice	NM	Eunice	(575) 394-2111
Hobbs	NM	Hobbs	(575) 397-9308
Jal	NM	Jal	(575) 395-2221
Maljamar	NM	Maljamar	(575) 676-4100
Lovington	Tx	Lovington	(575) 396-2359
Midland	Tx	Midland	(432) 685-7346
Odessa	Tx	Odessa	(432) 335-4659
West Odessa	Tx	Odessa	(432) 381-3033
Ambulance (911)			
Artesia Ambulance	NM	Artesia	(575) 746-2701
Carlsbad Ambulance	NM	Carlsbad	(575) 885-2111
Eunice Ambulance	NM	Eunice	(575) 394-3258
Hobbs Ambulance	NM	Hobbs	(575) 397-9308
Jal Ambulance	NM	Jal	(575) 395-3501
Lovington Ambulance	NM	Lovington	(575) 396-2811
Midland Ambulance	Tx	Midland	(432) 685-7499
Odessa Ambulance	Tx	Odessa	(432) 335-3378
Medical Air Ambulance Service			
AEROCARE	Tx	Lubbock	(800) 627-2376
Odessa Care Star	Tx	Odessa	(888) 624-3571
Flight for Life	Tx	Lubbock	(806) 743-9911
Med Flight Air Amb	NM	Albuquerque	(505) 842-4433
SB Air Med Service	NM	Albuquerque	(505) 842-4949
Southwest MediVac	NM	Hobbs	(800) 242-6199

Emergency Call Guidance

- Give the Dispatcher the nature of the emergency, your callback number, and location.
- If there is a fire, keep in mind not all volunteer firefighters are trained to properly respond to gas and other releases.
- If caller cannot contact Dispatch using the phone numbers above, dial 911. Cell phone and satellite phone calls to 911 will go to the nearest tower.

Always send a person to flag and direct incoming emergency response vehicles to the scene.



4. CONDITIONS AND EMERGENCY PROCEDURES

The “H2S Emergency Duties” will be followed as initial means of emergency response in the event of an H2S release. Once the well is secured and all personnel have been accounted for, other operational conditions will apply.

H2S EMERGENCY DUTIES		
ALARMS-->	WELL CONTROL 1 LONG BLAST	H2S EMERGENCY LIGHTS & SIRENS
POSITION	RESPONSIBILITY	AREA
OPERATOR REPRESENTATIVE	Proceed to Muster Area for Headcount. Assist with Personnel Accountability	MUSTER AREA
RIG MANAGER	Proceed to Muster Area. Assess the Current Situation and Notify on-site supervisor and HSE Manager. If Personnel are Missing, Don SCBA and Start Search and Rescue.	MUSTER AREA
DRILLER	<u>While Drilling</u> - Don SCBA, Secure Well, Proceed Down, and Ensure Well is Secure at Accumulator and Proceed to Muster Area. <u>While Tripping</u> - Don SCBA and Assist Floorhand in Installing Full Opening Safety Valve (FOSV). Proceed to Accumulator and Ensure the Well is Secure. Proceed to Muster Area. (Off duty Driller: If Personnel are Missing, Don SCBA and Start Search and Rescue.)	RIG/MUSTER AREA
DERRICKHAND	<u>While Drilling</u> - Evacuate to Muster Area. Do not Close Valves or Turn off Equipment. <u>While Tripping</u> - Remain on the Derrick Board Unless Otherwise Notified.	RIG/MUSTER AREA
MOTORHAND	Evacuate Immediately and Proceed to Muster Area. If Needed, Inspect Personnel.	MUSTER AREA/TRLERS
MAKE-UP FLOORHAND	<u>While Drilling</u> - Evacuate Area and Proceed to Muster Area. <u>While Tripping</u> - Employee is to Don SCBA and Assist Driller in Installing FOSV. Proceed to Muster Area.	RIG FLOOR/MUSTER AREA
LEAD TONG FLOORHAND	Evacuate Area and Proceed to Muster Area. If the Make up Hand is Not Present, Don SCBA and Assist Driller in Installing the FOSV.	RIG FLOOR/MUSTER AREA
ADDITIONAL HANDS	Evacuate Area. Proceed to Muster Area.	RIG FLOOR/MUSTER AREA
H2S TECHNICIAN	Don SCBA/On-Site Evaluation	RIG/MUSTER AREA

A. Definition of Operational "Conditions"

CONDITION I	"POSSIBLE DANGER"
Warning Flags:	Green
Alarms:	No Alarm. Less than 10 ppm
Characterized By:	Drilling operations in formations that may contain hydrogen sulfide. This condition remains in effect unless H ₂ S is detected and it becomes necessary to go to Condition II.
General Action:	<p>a. Be alert for a condition change.</p> <p>b. Check all safety equipment for availability and proper functioning.</p> <p>c. Perform all drills for familiarization and proficiency.</p>
CONDITION II	"MODERATE DANGER"
Warning Flags:	Yellow
Alarms:	Activated at 10 ppm H ₂ S. Continuous flashing light.
Characterized By:	Drilling operations in formations containing hydrogen sulfide. This condition will remain in effect until adding chemicals to the mud system neutralizes the hydrogen sulfide or it becomes necessary to go to Condition III.
General Action:	<p>a. Be alert for a condition change.</p> <p>b. <u>WHEN DRILLING AHEAD</u> - Driller and designated crewmember will don 5 min SCBA, shut-in well and immediately proceed to the muster area.</p> <p><u>WHEN TRIPPING</u> - Driller and two designated crewmembers will don 30 min SCBA, shut in well and immediately proceed to the muster area. Derrickman will stay on the board until well is secure and instructed to come down.</p> <p>c. All In-Scope Personnel will proceed directly to the appropriate muster area.</p> <p>d. Remain in muster area, take roll call and wait for instructions</p> <p>e. Contact the H₂S Safety Company Representative if not on location.</p> <p>f. Personnel shall ensure that their breathing apparatus is properly fitted and operational before entering an H₂S contaminated area to provide assistance to anyone who may be injured or overcome by toxic gases.</p> <p>g. All Out of Scope Personnel will report to the appropriate muster area.</p>
CONDITION III	"EXTREME DANGER"
Warning Flags:	Red
Alarms:	Actuate at 15 ppm. Continuous Sirens and Flashing Lights
Characterized by:	Critical well operations which pose an immediate threat of H ₂ S exposure to on-site personnel and potential threat to the public.
General Action:	<p>a. <u>WHEN DRILLING AHEAD</u> - Driller and designated crewmember will don 30 min SCBA, shut-in well and immediately proceed to the muster area.</p> <p><u>WHEN TRIPPING</u> - Driller and two designated crewmembers will don 30 min SCBA, shut in well and immediately proceed to the muster area. Derrickman will stay on the board until well is secure and instructed to come down.</p> <p>b. All In-Scope Personnel should don SCBA if nearby and immediately proceed to muster area. If SCBA not nearby at time of alarm, DO NOT GO TOWARDS RIG AREA, but proceed directly to the muster area.</p> <p>c. All Out of Scope Personnel shall go to the muster area and then evacuate the location as applicable.</p> <p>d. Remain in the muster area, take roll call, and wait for instructions.</p> <p>e. Contact H₂S Safety Company Representative</p> <p>f. On-site personnel shall ensure that their breathing apparatus is properly fitted and operational before entering an H₂S contaminated area to provide assistance to anyone who may be injured or overcome by toxic gases. Use the buddy system.</p> <p>g. A cascade breathing air systems shall be utilized to conduct any additional on rig work required to correct the H₂S release condition.</p> <p>h. If well is ignited do not assume area is safe. SO₂ is hazardous and not all H₂S will burn.</p>



B. H2S Emergency Procedures- On-Site Personnel

Upon discovering the release of H2S gas in the ambient air by warning alarms or in any other way.

Do Not Panic!

Hold your breath donning the nearest SCBA, move up or across-wind from the H2S sensing devices. Go to the closest available muster area. Do Not Panic!

1. Responsibilities of Well-Site Personnel

In the event of a Condition II or Condition III H2S release, all In-Scope Personnel will immediately don their SCBA, shut in the well, and proceed upwind to the nearest Muster Area.

All Out of Scope Personnel will immediately proceed upwind to the nearest Muster Area. Consideration will be given to evacuating Out of Scope Personnel.

a. Well-Site Representatives

1. Level III Conditions will deem public and police notification as applicable.
2. Immediately upon assessing the situation, set this plan into action by initiating the proper procedures to contain the gas and notify the appropriate people and agencies.
3. Ensure that Out of Scope Personnel proceed to the Muster Area.
4. Ensure location entrance has barricades (hi-visibility cones) and entrance is closed. Keep the number of persons on location to a minimum during hazardous operations.
5. Advise anyone allowed to enter the site H2S gas may be encountered and the potential hazards that may exist.
6. Out of Scope Personnel should be evacuated from location if the situation warrants.

b. On-Site Supervisor

1. On-Site Supervisor will assume responsibilities of well-site.
2. Ensure that the alarm area indicated by the fixed H2S monitor is checked and verified with a portable H2S gas detector.
3. Ensure On-Site Personnel in the Muster Area are instructed on emergency actions required.
4. Ensure On-Site Personnel at the drill floor area are instructed on emergency actions required.
5. Ensure all On-Site Personnel observe the appropriate safety and emergency procedures.
6. Ensure all On-Site Personnel are accounted for and provided emergency assistance as necessary.

c. H2S Safety Company Representative

1. Don nearest SCBA and report to Muster Area for roll call, take a buddy masked up and check monitor.
2. If H2S is flared, check for sulfur dioxide (SO2) near the flare as necessary. Take hourly readings at different perimeters, log readings and record all findings.
3. Ensure personnel at Muster Area are instructed on emergency actions required.
4. Ensure explosion-proof electric fans (bug blowers) are positioned as necessary to disperse H2S away from workers.
5. Ensure appropriate warning flags are displayed.
6. Ensure that all On-Site Personnel are in SCBA as necessary.
7. Ensure that all On-Site Personnel are accounted for and provide emergency assistance as necessary.
8. Be prepared to evacuate.

5. SAFETY EQUIPMENT

- a. All respirators will be used and maintained in conformance with ANSI Z88.2, American National Standard for respiratory protection.
- b. PPE must be provided and used.
- c. In the event of an alarm the derrick hand will stay in the derrick until the well is secured, then proceed to the muster area.
- d. If asphyxiation occurs, the victim must be moved to fresh air and immediately given artificial respiration. To assure readiness, bottles of oxygen will be checked at regular intervals and an extra tank kept on hand.
- e. All equipment must be stored in an available location so that anyone engaged in normal work situations is no more than “one breath away” from a mask.

6. TOXICITY OF VARIOUS GASES

Common Name ppm ⁴	Lethal Formula	Gravity ¹	PEL (OSHA) ²	STEL ³	LD
Hydrogen Cyanide	HCN	0.94	10	150	300
Hydrogen Sulfide	H ₂ S	1.18	20	Peak- 50ppm	600
Sulfur Dioxide	SO ₂	2.21	2	5 ppm	1000
Chlorine	Cl ₂	2.45	1		
Carbon Monoxide	CO	0.97	35	200/1 Hour	1000
Carbon Dioxide	CO ₂	1.52	5000	5%	10%
Methane	CH ₄	0.55	90000		

1 Air = 1.0

2 Permissible - Concentration believed that all workers may repeatedly be exposed, day after day, without adverse effect.

3 STEL - Short Term Exposure Limit. A 15-minute time weighted average.

4 LD (Lethal Dose) - Concentration that will cause death with short-term exposure.

7. PROPERTIES OF GASES

1. CARBON DIOXIDE

- a. Carbon Dioxide (CO₂) is considered inert and is commonly used to extinguish fires. It is 1.52 times heavier than air and will concentrate in low areas of still air. Humans cannot breathe air containing more than 10% CO₂ without losing conscience or becoming disorientated in a few minutes. Continued exposure to CO₂ after being affected will cause convulsions, coma, and respiratory failure.
- b. The threshold limit of CO₂ is 5000 ppm. Short-term exposure to 50,000 ppm (5%) is reasonable. This gas is colorless, odorless, and can be tolerated in relatively high concentrations.

2. HYDROGEN SULFIDE

- a. Hydrogen Sulfide (H₂S) is a colorless, transparent, flammable gas. It is heavier than air and may accumulate in low places.
- b. Although the slightest presence of H₂S in the air is normally detectable by its characteristic "rotten egg" odor, it is dangerous to rely on the odor as a means of detecting excessive concentrations because the sense of smell is rapidly lost, allowing lethal concentrations to be accumulated without warning. The following table indicates the poisonous nature of H₂S.

H2S CONCENTRATION		
% H2S	PPM	EFFECTS
0.001	10	Safe for 8 hours without respirator. Obvious and unpleasant odor.
0.0015	15	Safe for 15 minutes of exposure without respirator.
0.01	100	Kills smell in 3-15 minutes; may sting eyes and throat.
0.02	200	Kills smell quickly; stings eyes and throat.
0.05	500	Dizziness; breathing ceases in a few minutes; need prompt artificial respiration.
0.07	700	Rapid Unconsciousness; death will result if not rescued promptly.
0.1	1000	Instant unconsciousness, followed by death within minutes.

3. SULPHUR DIOXIDE

a. Sulfur Dioxide (SO₂) is a colorless, non-flammable, transparent gas.
 b. SO₂ is produced during the burning of H₂S. Although SO₂ is heavier than air, it can be picked up by a breeze and carried downwind at elevated temperatures. Since SO₂ is extremely irritating to the eyes and mucous membranes of the upper respiratory tract, it has exceptionally good warning powers in this respect. The following table indicates the toxic nature of SO₂:

SO ₂ CONCENTRATION		
% SO ₂	PPM	EFFECTS
0.0005	3 to 5	Pungent odor, normally a person can detect SO ₂ in this range.
0.0012	12	Throat irritation, coughing, constriction of the chest, tearing and smarting of eyes.
0.015	150	So irritating that it can only be endured for a few minutes.
0.05	500	Causes a sense of suffocation, event with the first breath.

8. EVACUATION OF THE GENERAL PUBLIC

In the event of an emergency, the following steps will be immediately taken:

1. Warn each resident and transient's down-wind within 3,000' or calculated ROE.
2. Warn all residences in the 3,000' or calculated ROE.
3. Notify proper authorities and enlist their assistance in warning residents and transients.
4. Divert traffic in the vicinity away from the potentially dangerous area.
5. Have a guard at the entrance of the well site to monitor essential and non-essential traffic.

PLEASE REFER TO UPDATED DIRECTIONAL INCLUDED IN THIS DOC



PBEX

Lea, County NM (NAD 83)
Sec 33-18S-32E
BOND 32-34 FED COM #003H

Wellbore #1

Plan: Plan 1

Standard Planning Report

04 February, 2025





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #003H
Company:	PBEX	TVD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #003H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Project	Lea, County NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 33-18S-32E			
Site Position:		Northing:	620,912.64 usft	Latitude: 32.70570655
From:	Map	Easting:	711,762.40 usft	Longitude: -103.77927233
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	BOND 32-34 FED COM #003H				
Well Position	+N/S 0.00 usft	Northing:	619,273.62 usft	Latitude:	32.70122164
	+E/W 0.00 usft	Easting:	710,360.35 usft	Longitude:	-103.78385790
Position Uncertainty	0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,687.41 usft
Grid Convergence:	0.30 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM CURRENT	1/23/2025	6.58	60.40	47,436.4000000

Design	Plan 1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD) (usft)	+N/S (usft)	+E/W (usft)	Direction (°)
		0.00	0.00	0.00	90.00

Plan Survey Tool Program	Date	2/4/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.00	21,739.29	Plan 1 (Wellbore #1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-St

Plan Sections											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,109.00	25.23	307.36	2,076.72	132.62	-173.71	2.50	2.50	0.00	307.36		
6,692.65	25.23	307.36	6,223.28	1,318.01	-1,726.37	0.00	0.00	0.00	0.00	0.00	
7,701.66	0.00	0.00	7,200.00	1,450.63	-1,900.08	2.50	-2.50	0.00	180.00		
7,748.70	0.00	0.00	7,247.04	1,450.63	-1,900.08	0.00	0.00	0.00	0.00		
8,648.70	90.00	89.83	7,820.00	1,452.32	-1,327.12	10.00	10.00	9.98	89.83		
21,739.29	90.00	89.83	7,820.00	1,490.95	11,763.41	0.00	0.00	0.00	0.00	BOND 32-34 003H Pt	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #003H
Company:	PBEX	TVD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #003H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.50									
1,200.00	2.50	307.36	1,199.97	1.32	-1.73	-1.73	2.50	2.50	0.00
1,300.00	5.00	307.36	1,299.75	5.29	-6.93	-6.93	2.50	2.50	0.00
1,400.00	7.50	307.36	1,399.14	11.90	-15.58	-15.58	2.50	2.50	0.00
1,500.00	10.00	307.36	1,497.97	21.13	-27.67	-27.67	2.50	2.50	0.00
1,600.00	12.50	307.36	1,596.04	32.97	-43.18	-43.18	2.50	2.50	0.00
1,700.00	15.00	307.36	1,693.17	47.39	-62.07	-62.07	2.50	2.50	0.00
1,800.00	17.50	307.36	1,789.17	64.37	-84.31	-84.31	2.50	2.50	0.00
1,900.00	20.00	307.36	1,883.85	83.87	-109.86	-109.86	2.50	2.50	0.00
2,000.00	22.50	307.36	1,977.05	105.86	-138.66	-138.66	2.50	2.50	0.00
2,109.00	25.23	307.36	2,076.72	132.62	-173.71	-173.71	2.50	2.50	0.00
Start 4583.65 hold at 2109.00 MD									
2,200.00	25.23	307.36	2,159.04	156.15	-204.53	-204.53	0.00	0.00	0.00
2,300.00	25.23	307.36	2,249.51	182.01	-238.41	-238.41	0.00	0.00	0.00
2,400.00	25.23	307.36	2,339.97	207.88	-272.28	-272.28	0.00	0.00	0.00
2,500.00	25.23	307.36	2,430.43	233.74	-306.16	-306.16	0.00	0.00	0.00
2,600.00	25.23	307.36	2,520.90	259.60	-340.03	-340.03	0.00	0.00	0.00
2,700.00	25.23	307.36	2,611.36	285.46	-373.90	-373.90	0.00	0.00	0.00
2,800.00	25.23	307.36	2,701.83	311.32	-407.78	-407.78	0.00	0.00	0.00
2,900.00	25.23	307.36	2,792.29	337.18	-441.65	-441.65	0.00	0.00	0.00
3,000.00	25.23	307.36	2,882.75	363.04	-475.53	-475.53	0.00	0.00	0.00
3,100.00	25.23	307.36	2,973.22	388.90	-509.40	-509.40	0.00	0.00	0.00
3,200.00	25.23	307.36	3,063.68	414.77	-543.27	-543.27	0.00	0.00	0.00
3,300.00	25.23	307.36	3,154.15	440.63	-577.15	-577.15	0.00	0.00	0.00
3,400.00	25.23	307.36	3,244.61	466.49	-611.02	-611.02	0.00	0.00	0.00
3,500.00	25.23	307.36	3,335.07	492.35	-644.89	-644.89	0.00	0.00	0.00
3,600.00	25.23	307.36	3,425.54	518.21	-678.77	-678.77	0.00	0.00	0.00
3,700.00	25.23	307.36	3,516.00	544.07	-712.64	-712.64	0.00	0.00	0.00
3,800.00	25.23	307.36	3,606.47	569.93	-746.52	-746.52	0.00	0.00	0.00
3,900.00	25.23	307.36	3,696.93	595.79	-780.39	-780.39	0.00	0.00	0.00
4,000.00	25.23	307.36	3,787.40	621.66	-814.26	-814.26	0.00	0.00	0.00
4,100.00	25.23	307.36	3,877.86	647.52	-848.14	-848.14	0.00	0.00	0.00
4,200.00	25.23	307.36	3,968.32	673.38	-882.01	-882.01	0.00	0.00	0.00
4,300.00	25.23	307.36	4,058.79	699.24	-915.89	-915.89	0.00	0.00	0.00
4,400.00	25.23	307.36	4,149.25	725.10	-949.76	-949.76	0.00	0.00	0.00
4,500.00	25.23	307.36	4,239.72	750.96	-983.63	-983.63	0.00	0.00	0.00
4,600.00	25.23	307.36	4,330.18	776.82	-1,017.51	-1,017.51	0.00	0.00	0.00
4,700.00	25.23	307.36	4,420.64	802.68	-1,051.38	-1,051.38	0.00	0.00	0.00
4,800.00	25.23	307.36	4,511.11	828.55	-1,085.26	-1,085.26	0.00	0.00	0.00
4,900.00	25.23	307.36	4,601.57	854.41	-1,119.13	-1,119.13	0.00	0.00	0.00
5,000.00	25.23	307.36	4,692.04	880.27	-1,153.00	-1,153.00	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #003H
Company:	PBEX	TVD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #003H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.00	25.23	307.36	4,782.50	906.13	-1,186.88	-1,186.88	0.00	0.00	0.00
5,200.00	25.23	307.36	4,872.96	931.99	-1,220.75	-1,220.75	0.00	0.00	0.00
5,300.00	25.23	307.36	4,963.43	957.85	-1,254.62	-1,254.62	0.00	0.00	0.00
5,400.00	25.23	307.36	5,053.89	983.71	-1,288.50	-1,288.50	0.00	0.00	0.00
5,500.00	25.23	307.36	5,144.36	1,009.58	-1,322.37	-1,322.37	0.00	0.00	0.00
5,600.00	25.23	307.36	5,234.82	1,035.44	-1,356.25	-1,356.25	0.00	0.00	0.00
5,700.00	25.23	307.36	5,325.28	1,061.30	-1,390.12	-1,390.12	0.00	0.00	0.00
5,800.00	25.23	307.36	5,415.75	1,087.16	-1,423.99	-1,423.99	0.00	0.00	0.00
5,900.00	25.23	307.36	5,506.21	1,113.02	-1,457.87	-1,457.87	0.00	0.00	0.00
6,000.00	25.23	307.36	5,596.68	1,138.88	-1,491.74	-1,491.74	0.00	0.00	0.00
6,100.00	25.23	307.36	5,687.14	1,164.74	-1,525.62	-1,525.62	0.00	0.00	0.00
6,200.00	25.23	307.36	5,777.61	1,190.60	-1,559.49	-1,559.49	0.00	0.00	0.00
6,300.00	25.23	307.36	5,868.07	1,216.47	-1,593.36	-1,593.36	0.00	0.00	0.00
6,400.00	25.23	307.36	5,958.53	1,242.33	-1,627.24	-1,627.24	0.00	0.00	0.00
6,500.00	25.23	307.36	6,049.00	1,268.19	-1,661.11	-1,661.11	0.00	0.00	0.00
6,600.00	25.23	307.36	6,139.46	1,294.05	-1,694.99	-1,694.99	0.00	0.00	0.00
6,692.65	25.23	307.36	6,223.28	1,318.01	-1,726.37	-1,726.37	0.00	0.00	0.00
Start Drop -2.50									
6,700.00	25.04	307.36	6,229.93	1,319.90	-1,728.85	-1,728.85	2.50	-2.50	0.00
6,800.00	22.54	307.36	6,321.43	1,344.38	-1,760.91	-1,760.91	2.50	-2.50	0.00
6,900.00	20.04	307.36	6,414.59	1,366.41	-1,789.77	-1,789.77	2.50	-2.50	0.00
7,000.00	17.54	307.36	6,509.26	1,385.96	-1,815.37	-1,815.37	2.50	-2.50	0.00
7,100.00	15.04	307.36	6,605.23	1,402.98	-1,837.67	-1,837.67	2.50	-2.50	0.00
7,200.00	12.54	307.36	6,702.34	1,417.45	-1,856.61	-1,856.61	2.50	-2.50	0.00
7,300.00	10.04	307.36	6,800.40	1,429.33	-1,872.18	-1,872.18	2.50	-2.50	0.00
7,400.00	7.54	307.36	6,899.22	1,438.60	-1,884.32	-1,884.32	2.50	-2.50	0.00
7,500.00	5.04	307.36	6,998.61	1,445.25	-1,893.03	-1,893.03	2.50	-2.50	0.00
7,600.00	2.54	307.36	7,098.38	1,449.26	-1,898.29	-1,898.29	2.50	-2.50	0.00
7,701.66	0.00	0.00	7,200.00	1,450.63	-1,900.08	-1,900.08	2.50	-2.50	0.00
Start 47.04 hold at 7701.65 MD									
7,748.70	0.00	0.00	7,247.04	1,450.63	-1,900.08	-1,900.08	0.00	0.00	0.00
Start DLS 10.00 TFO 89.83									
7,750.00	0.13	89.83	7,248.35	1,450.63	-1,900.08	-1,900.08	10.00	10.00	0.00
7,800.00	5.13	89.83	7,298.28	1,450.64	-1,897.78	-1,897.78	10.00	10.00	0.00
7,850.00	10.13	89.83	7,347.82	1,450.66	-1,891.15	-1,891.15	10.00	10.00	0.00
7,900.00	15.13	89.83	7,396.59	1,450.69	-1,880.22	-1,880.22	10.00	10.00	0.00
7,950.00	20.13	89.83	7,444.23	1,450.73	-1,865.08	-1,865.08	10.00	10.00	0.00
8,000.00	25.13	89.83	7,490.36	1,450.79	-1,845.85	-1,845.85	10.00	10.00	0.00
8,050.00	30.13	89.83	7,534.65	1,450.86	-1,822.66	-1,822.66	10.00	10.00	0.00
8,100.00	35.13	89.83	7,576.74	1,450.94	-1,795.71	-1,795.71	10.00	10.00	0.00
8,150.00	40.13	89.83	7,616.33	1,451.03	-1,765.19	-1,765.19	10.00	10.00	0.00
8,200.00	45.13	89.83	7,653.10	1,451.13	-1,731.34	-1,731.34	10.00	10.00	0.00
8,250.00	50.13	89.83	7,686.79	1,451.24	-1,694.41	-1,694.41	10.00	10.00	0.00
8,300.00	55.13	89.83	7,717.13	1,451.35	-1,654.69	-1,654.69	10.00	10.00	0.00
8,350.00	60.13	89.83	7,743.89	1,451.48	-1,612.47	-1,612.47	10.00	10.00	0.00
8,400.00	65.13	89.83	7,766.87	1,451.61	-1,568.08	-1,568.08	10.00	10.00	0.00
8,450.00	70.13	89.83	7,785.89	1,451.75	-1,521.86	-1,521.86	10.00	10.00	0.00
8,500.00	75.13	89.83	7,800.81	1,451.89	-1,474.16	-1,474.16	10.00	10.00	0.00
8,550.00	80.13	89.83	7,811.52	1,452.03	-1,425.33	-1,425.33	10.00	10.00	0.00
8,600.00	85.13	89.83	7,817.93	1,452.18	-1,375.76	-1,375.76	10.00	10.00	0.00
8,648.70	90.00	89.83	7,820.00	1,452.32	-1,327.12	-1,327.12	10.00	10.00	0.00
Start 13090.59 hold at 8648.69 MD									
8,700.00	90.00	89.83	7,820.00	1,452.47	-1,275.82	-1,275.82	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #003H
Company:	PBEX	TVD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #003H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,800.00	90.00	89.83	7,820.00	1,452.77	-1,175.82	-1,175.82	0.00	0.00	0.00
8,900.00	90.00	89.83	7,820.00	1,453.06	-1,075.82	-1,075.82	0.00	0.00	0.00
9,000.00	90.00	89.83	7,820.00	1,453.36	-975.82	-975.82	0.00	0.00	0.00
9,100.00	90.00	89.83	7,820.00	1,453.65	-875.82	-875.82	0.00	0.00	0.00
9,200.00	90.00	89.83	7,820.00	1,453.95	-775.82	-775.82	0.00	0.00	0.00
9,300.00	90.00	89.83	7,820.00	1,454.24	-675.82	-675.82	0.00	0.00	0.00
9,400.00	90.00	89.83	7,820.00	1,454.54	-575.82	-575.82	0.00	0.00	0.00
9,500.00	90.00	89.83	7,820.00	1,454.83	-475.82	-475.82	0.00	0.00	0.00
9,600.00	90.00	89.83	7,820.00	1,455.13	-375.82	-375.82	0.00	0.00	0.00
9,700.00	90.00	89.83	7,820.00	1,455.42	-275.82	-275.82	0.00	0.00	0.00
9,800.00	90.00	89.83	7,820.00	1,455.72	-175.82	-175.82	0.00	0.00	0.00
9,900.00	90.00	89.83	7,820.00	1,456.01	-75.83	-75.83	0.00	0.00	0.00
10,000.00	90.00	89.83	7,820.00	1,456.31	24.17	24.17	0.00	0.00	0.00
10,100.00	90.00	89.83	7,820.00	1,456.60	124.17	124.17	0.00	0.00	0.00
10,200.00	90.00	89.83	7,820.00	1,456.90	224.17	224.17	0.00	0.00	0.00
10,300.00	90.00	89.83	7,820.00	1,457.19	324.17	324.17	0.00	0.00	0.00
10,400.00	90.00	89.83	7,820.00	1,457.49	424.17	424.17	0.00	0.00	0.00
10,500.00	90.00	89.83	7,820.00	1,457.78	524.17	524.17	0.00	0.00	0.00
10,600.00	90.00	89.83	7,820.00	1,458.08	624.17	624.17	0.00	0.00	0.00
10,700.00	90.00	89.83	7,820.00	1,458.37	724.17	724.17	0.00	0.00	0.00
10,800.00	90.00	89.83	7,820.00	1,458.67	824.17	824.17	0.00	0.00	0.00
10,900.00	90.00	89.83	7,820.00	1,458.96	924.17	924.17	0.00	0.00	0.00
11,000.00	90.00	89.83	7,820.00	1,459.26	1,024.17	1,024.17	0.00	0.00	0.00
11,100.00	90.00	89.83	7,820.00	1,459.55	1,124.17	1,124.17	0.00	0.00	0.00
11,200.00	90.00	89.83	7,820.00	1,459.85	1,224.17	1,224.17	0.00	0.00	0.00
11,300.00	90.00	89.83	7,820.00	1,460.14	1,324.17	1,324.17	0.00	0.00	0.00
11,400.00	90.00	89.83	7,820.00	1,460.44	1,424.17	1,424.17	0.00	0.00	0.00
11,500.00	90.00	89.83	7,820.00	1,460.73	1,524.17	1,524.17	0.00	0.00	0.00
11,600.00	90.00	89.83	7,820.00	1,461.03	1,624.17	1,624.17	0.00	0.00	0.00
11,700.00	90.00	89.83	7,820.00	1,461.32	1,724.17	1,724.17	0.00	0.00	0.00
11,800.00	90.00	89.83	7,820.00	1,461.62	1,824.17	1,824.17	0.00	0.00	0.00
11,900.00	90.00	89.83	7,820.00	1,461.92	1,924.17	1,924.17	0.00	0.00	0.00
12,000.00	90.00	89.83	7,820.00	1,462.21	2,024.17	2,024.17	0.00	0.00	0.00
12,100.00	90.00	89.83	7,820.00	1,462.51	2,124.17	2,124.17	0.00	0.00	0.00
12,200.00	90.00	89.83	7,820.00	1,462.80	2,224.16	2,224.16	0.00	0.00	0.00
12,300.00	90.00	89.83	7,820.00	1,463.10	2,324.16	2,324.16	0.00	0.00	0.00
12,400.00	90.00	89.83	7,820.00	1,463.39	2,424.16	2,424.16	0.00	0.00	0.00
12,500.00	90.00	89.83	7,820.00	1,463.69	2,524.16	2,524.16	0.00	0.00	0.00
12,600.00	90.00	89.83	7,820.00	1,463.98	2,624.16	2,624.16	0.00	0.00	0.00
12,700.00	90.00	89.83	7,820.00	1,464.28	2,724.16	2,724.16	0.00	0.00	0.00
12,800.00	90.00	89.83	7,820.00	1,464.57	2,824.16	2,824.16	0.00	0.00	0.00
12,900.00	90.00	89.83	7,820.00	1,464.87	2,924.16	2,924.16	0.00	0.00	0.00
13,000.00	90.00	89.83	7,820.00	1,465.16	3,024.16	3,024.16	0.00	0.00	0.00
13,100.00	90.00	89.83	7,820.00	1,465.46	3,124.16	3,124.16	0.00	0.00	0.00
13,200.00	90.00	89.83	7,820.00	1,465.75	3,224.16	3,224.16	0.00	0.00	0.00
13,300.00	90.00	89.83	7,820.00	1,466.05	3,324.16	3,324.16	0.00	0.00	0.00
13,400.00	90.00	89.83	7,820.00	1,466.34	3,424.16	3,424.16	0.00	0.00	0.00
13,500.00	90.00	89.83	7,820.00	1,466.64	3,524.16	3,524.16	0.00	0.00	0.00
13,600.00	90.00	89.83	7,820.00	1,466.93	3,624.16	3,624.16	0.00	0.00	0.00
13,700.00	90.00	89.83	7,820.00	1,467.23	3,724.16	3,724.16	0.00	0.00	0.00
13,800.00	90.00	89.83	7,820.00	1,467.52	3,824.16	3,824.16	0.00	0.00	0.00
13,900.00	90.00	89.83	7,820.00	1,467.82	3,924.16	3,924.16	0.00	0.00	0.00
14,000.00	90.00	89.83	7,820.00	1,468.11	4,024.16	4,024.16	0.00	0.00	0.00
14,100.00	90.00	89.83	7,820.00	1,468.41	4,124.16	4,124.16	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #003H
Company:	PBEX	TVD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #003H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,200.00	90.00	89.83	7,820.00	1,468.70	4,224.16	4,224.16	0.00	0.00	0.00
14,300.00	90.00	89.83	7,820.00	1,469.00	4,324.16	4,324.16	0.00	0.00	0.00
14,400.00	90.00	89.83	7,820.00	1,469.29	4,424.16	4,424.16	0.00	0.00	0.00
14,500.00	90.00	89.83	7,820.00	1,469.59	4,524.15	4,524.15	0.00	0.00	0.00
14,600.00	90.00	89.83	7,820.00	1,469.88	4,624.15	4,624.15	0.00	0.00	0.00
14,700.00	90.00	89.83	7,820.00	1,470.18	4,724.15	4,724.15	0.00	0.00	0.00
14,800.00	90.00	89.83	7,820.00	1,470.47	4,824.15	4,824.15	0.00	0.00	0.00
14,900.00	90.00	89.83	7,820.00	1,470.77	4,924.15	4,924.15	0.00	0.00	0.00
15,000.00	90.00	89.83	7,820.00	1,471.06	5,024.15	5,024.15	0.00	0.00	0.00
15,100.00	90.00	89.83	7,820.00	1,471.36	5,124.15	5,124.15	0.00	0.00	0.00
15,200.00	90.00	89.83	7,820.00	1,471.65	5,224.15	5,224.15	0.00	0.00	0.00
15,300.00	90.00	89.83	7,820.00	1,471.95	5,324.15	5,324.15	0.00	0.00	0.00
15,400.00	90.00	89.83	7,820.00	1,472.24	5,424.15	5,424.15	0.00	0.00	0.00
15,500.00	90.00	89.83	7,820.00	1,472.54	5,524.15	5,524.15	0.00	0.00	0.00
15,600.00	90.00	89.83	7,820.00	1,472.83	5,624.15	5,624.15	0.00	0.00	0.00
15,700.00	90.00	89.83	7,820.00	1,473.13	5,724.15	5,724.15	0.00	0.00	0.00
15,800.00	90.00	89.83	7,820.00	1,473.42	5,824.15	5,824.15	0.00	0.00	0.00
15,900.00	90.00	89.83	7,820.00	1,473.72	5,924.15	5,924.15	0.00	0.00	0.00
16,000.00	90.00	89.83	7,820.00	1,474.01	6,024.15	6,024.15	0.00	0.00	0.00
16,100.00	90.00	89.83	7,820.00	1,474.31	6,124.15	6,124.15	0.00	0.00	0.00
16,200.00	90.00	89.83	7,820.00	1,474.60	6,224.15	6,224.15	0.00	0.00	0.00
16,300.00	90.00	89.83	7,820.00	1,474.90	6,324.15	6,324.15	0.00	0.00	0.00
16,400.00	90.00	89.83	7,820.00	1,475.19	6,424.15	6,424.15	0.00	0.00	0.00
16,500.00	90.00	89.83	7,820.00	1,475.49	6,524.15	6,524.15	0.00	0.00	0.00
16,600.00	90.00	89.83	7,820.00	1,475.78	6,624.15	6,624.15	0.00	0.00	0.00
16,700.00	90.00	89.83	7,820.00	1,476.08	6,724.15	6,724.15	0.00	0.00	0.00
16,800.00	90.00	89.83	7,820.00	1,476.37	6,824.15	6,824.15	0.00	0.00	0.00
16,900.00	90.00	89.83	7,820.00	1,476.67	6,924.14	6,924.14	0.00	0.00	0.00
17,000.00	90.00	89.83	7,820.00	1,476.96	7,024.14	7,024.14	0.00	0.00	0.00
17,100.00	90.00	89.83	7,820.00	1,477.26	7,124.14	7,124.14	0.00	0.00	0.00
17,200.00	90.00	89.83	7,820.00	1,477.55	7,224.14	7,224.14	0.00	0.00	0.00
17,300.00	90.00	89.83	7,820.00	1,477.85	7,324.14	7,324.14	0.00	0.00	0.00
17,400.00	90.00	89.83	7,820.00	1,478.15	7,424.14	7,424.14	0.00	0.00	0.00
17,500.00	90.00	89.83	7,820.00	1,478.44	7,524.14	7,524.14	0.00	0.00	0.00
17,600.00	90.00	89.83	7,820.00	1,478.74	7,624.14	7,624.14	0.00	0.00	0.00
17,700.00	90.00	89.83	7,820.00	1,479.03	7,724.14	7,724.14	0.00	0.00	0.00
17,800.00	90.00	89.83	7,820.00	1,479.33	7,824.14	7,824.14	0.00	0.00	0.00
17,900.00	90.00	89.83	7,820.00	1,479.62	7,924.14	7,924.14	0.00	0.00	0.00
18,000.00	90.00	89.83	7,820.00	1,479.92	8,024.14	8,024.14	0.00	0.00	0.00
18,100.00	90.00	89.83	7,820.00	1,480.21	8,124.14	8,124.14	0.00	0.00	0.00
18,200.00	90.00	89.83	7,820.00	1,480.51	8,224.14	8,224.14	0.00	0.00	0.00
18,300.00	90.00	89.83	7,820.00	1,480.80	8,324.14	8,324.14	0.00	0.00	0.00
18,400.00	90.00	89.83	7,820.00	1,481.10	8,424.14	8,424.14	0.00	0.00	0.00
18,500.00	90.00	89.83	7,820.00	1,481.39	8,524.14	8,524.14	0.00	0.00	0.00
18,600.00	90.00	89.83	7,820.00	1,481.69	8,624.14	8,624.14	0.00	0.00	0.00
18,700.00	90.00	89.83	7,820.00	1,481.98	8,724.14	8,724.14	0.00	0.00	0.00
18,800.00	90.00	89.83	7,820.00	1,482.28	8,824.14	8,824.14	0.00	0.00	0.00
18,900.00	90.00	89.83	7,820.00	1,482.57	8,924.14	8,924.14	0.00	0.00	0.00
19,000.00	90.00	89.83	7,820.00	1,482.87	9,024.14	9,024.14	0.00	0.00	0.00
19,100.00	90.00	89.83	7,820.00	1,483.16	9,124.14	9,124.14	0.00	0.00	0.00
19,200.00	90.00	89.83	7,820.00	1,483.46	9,224.13	9,224.13	0.00	0.00	0.00
19,300.00	90.00	89.83	7,820.00	1,483.75	9,324.13	9,324.13	0.00	0.00	0.00
19,400.00	90.00	89.83	7,820.00	1,484.05	9,424.13	9,424.13	0.00	0.00	0.00
19,500.00	90.00	89.83	7,820.00	1,484.34	9,524.13	9,524.13	0.00	0.00	0.00



Planning Report

Database: 1 - EDM Production	Local Co-ordinate Reference: Well BOND 32-34 FED COM #003H
Company: PBEX	TVD Reference: RKB 30' + 3687.41 GL @ 3717.41usft
Project: Lea, County NM (NAD 83)	MD Reference: RKB 30' + 3687.41 GL @ 3717.41usft
Site: Sec 33-18S-32E	North Reference: Grid
Well: BOND 32-34 FED COM #003H	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: Plan 1	

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,600.00	90.00	89.83	7,820.00	1,484.64	9,624.13	9,624.13	0.00	0.00	0.00
19,700.00	90.00	89.83	7,820.00	1,484.93	9,724.13	9,724.13	0.00	0.00	0.00
19,800.00	90.00	89.83	7,820.00	1,485.23	9,824.13	9,824.13	0.00	0.00	0.00
19,900.00	90.00	89.83	7,820.00	1,485.52	9,924.13	9,924.13	0.00	0.00	0.00
20,000.00	90.00	89.83	7,820.00	1,485.82	10,024.13	10,024.13	0.00	0.00	0.00
20,100.00	90.00	89.83	7,820.00	1,486.11	10,124.13	10,124.13	0.00	0.00	0.00
20,200.00	90.00	89.83	7,820.00	1,486.41	10,224.13	10,224.13	0.00	0.00	0.00
20,300.00	90.00	89.83	7,820.00	1,486.70	10,324.13	10,324.13	0.00	0.00	0.00
20,400.00	90.00	89.83	7,820.00	1,487.00	10,424.13	10,424.13	0.00	0.00	0.00
20,500.00	90.00	89.83	7,820.00	1,487.29	10,524.13	10,524.13	0.00	0.00	0.00
20,600.00	90.00	89.83	7,820.00	1,487.59	10,624.13	10,624.13	0.00	0.00	0.00
20,700.00	90.00	89.83	7,820.00	1,487.88	10,724.13	10,724.13	0.00	0.00	0.00
20,800.00	90.00	89.83	7,820.00	1,488.18	10,824.13	10,824.13	0.00	0.00	0.00
20,900.00	90.00	89.83	7,820.00	1,488.47	10,924.13	10,924.13	0.00	0.00	0.00
21,000.00	90.00	89.83	7,820.00	1,488.77	11,024.13	11,024.13	0.00	0.00	0.00
21,100.00	90.00	89.83	7,820.00	1,489.06	11,124.13	11,124.13	0.00	0.00	0.00
21,200.00	90.00	89.83	7,820.00	1,489.36	11,224.13	11,224.13	0.00	0.00	0.00
21,300.00	90.00	89.83	7,820.00	1,489.65	11,324.13	11,324.13	0.00	0.00	0.00
21,400.00	90.00	89.83	7,820.00	1,489.95	11,424.13	11,424.13	0.00	0.00	0.00
21,500.00	90.00	89.83	7,820.00	1,490.24	11,524.12	11,524.12	0.00	0.00	0.00
21,600.00	90.00	89.83	7,820.00	1,490.54	11,624.12	11,624.12	0.00	0.00	0.00
21,700.00	90.00	89.83	7,820.00	1,490.83	11,724.12	11,724.12	0.00	0.00	0.00
21,739.29	90.00	89.83	7,820.00	1,490.95	11,763.41	11,763.41	0.00	0.00	0.00
TD at 21739.29									



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #003H
Company:	PBEX	TVD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3687.41 GL @ 3717.41usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #003H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Design Targets										
Target Name										
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
BOND 32-34 003H SH1	0.00	0.00	0.00	0.00	0.00	619,273.62	710,360.35	32.70122164	-103.78385790	
- plan hits target center										
- Point										
BOND 32-34 003H PP2(	0.00	0.00	7,820.00	1,459.52	1,212.91	620,733.14	711,573.26	32.70521590	-103.77989025	
- plan misses target center by 0.30usft at 11188.74usft MD (7820.00 TVD, 1459.82 N, 1212.91 E)										
- Point										
BOND 32-34 003H LTP(	0.00	0.00	7,820.00	1,490.63	11,673.41	620,764.25	722,033.76	32.70514673	-103.74588370	
- plan misses target center by 0.05usft at 21649.29usft MD (7820.00 TVD, 1490.68 N, 11673.41 E)										
- Point										
BOND 32-34 003H FTP(	0.00	0.00	7,820.00	1,452.63	-1,327.08	620,726.25	709,033.27	32.70523313	-103.78814765	
- plan misses target center by 0.31usft at 8648.74usft MD (7820.00 TVD, 1452.32 N, -1327.08 E)										
- Point										
BOND 32-34 003H PBH	0.00	0.00	7,820.00	1,490.95	11,763.41	620,764.57	722,123.76	32.70514624	-103.74559111	
- plan hits target center										
- Point										
BOND 32-34 003H PP3(	0.00	0.00	7,820.00	1,466.34	3,848.22	620,739.96	714,208.57	32.70519655	-103.77132299	
- plan misses target center by 1.25usft at 13824.06usft MD (7820.00 TVD, 1467.59 N, 3848.22 E)										
- Point										
BOND 32-34 003H PP4(	0.00	0.00	7,820.00	1,477.62	7,810.11	620,751.24	718,170.46	32.70516917	-103.75844310	
- plan misses target center by 1.66usft at 17785.96usft MD (7820.00 TVD, 1479.28 N, 7810.11 E)										
- Point										

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name			Casing Diameter ("")	Hole Diameter ("")
21,739.29	7,820.00	20" Casing			20	24

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N-S (usft)	+E-W (usft)	Comment	
1,100.00	1,100.00	0.00	0.00	Start Build 2.50	
2,109.00	2,076.72	132.62	-173.71	Start 4583.65 hold at 2109.00 MD	
6,692.65	6,223.28	1,318.01	-1,726.37	Start Drop -2.50	
7,701.66	7,200.00	1,450.63	-1,900.08	Start 47.04 hold at 7701.65 MD	
7,748.70	7,247.04	1,450.63	-1,900.08	Start DLS 10.00 TFO 89.83	
8,648.70	7,820.00	1,452.32	-1,327.12	Start 13090.59 hold at 8648.69 MD	
21,739.29	7,820.00	1,490.95	11,763.41	TD at 21739.29	



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B

No: LT2023-052-006

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×35ft (10.67m)	Quantity	8PCS
Serial Number	7660103~7660110	FSL	FSL3
Temperature Range	-29°C ~ +121°C	Standard	API Spec 16C 3 rd edition
Inspection Department	Q.C. Department	Inspection date	2023.04.22

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3 rd edition
Size and Lengths	In accordance with API Spec 16C 3 rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3 rd edition
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21 st edition
Hydrostatic Testing	In accordance with API Spec 16C 3 rd edition
product Marking	In accordance with API Spec 16C 3 rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition
Remarks	
Approver	Jiaolong Chen
Auditor	Huijing Dong
Inspector	Zhansheng Wang



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTYY/QR-5.7.1-28

No: 230422006

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3"×10000psi×35ft (10.67m)	Serial Number	7660103
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.04.20

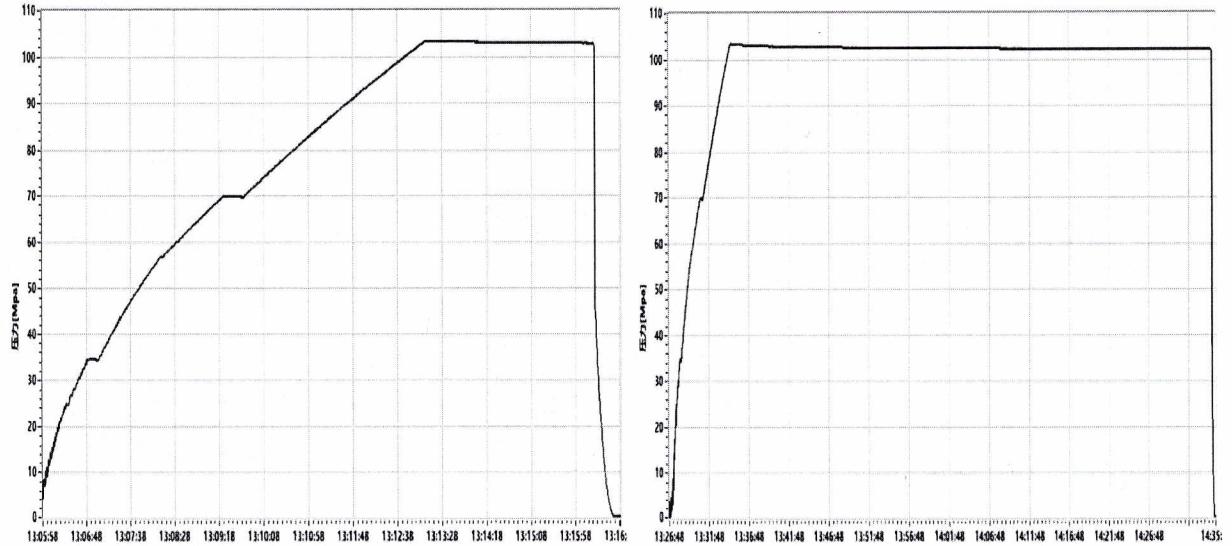
Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than ±2%
Testing result	10000psi (69.0MPa) ,Rate of length change 0.8%

Hydrostatic testing

Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition				
Approver	Jiaolong Chen	Auditor	Huijing Dong	Inspector	Zhansheng Wang



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF CONFORMANCE

No:LT230422014

Product Name: Choke And Kill Hose

Product Specification: 3"×10000psi×35ft(10.67m)

Serial Number: 7660103~7660110

End Connections: 4-1/16"×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD . in April 2023, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on April 22, 2023. The overall condition is good. This is to certify that the high pressure steel wire drilling hose assembly complies with all current standards and specifications for API Spec 16C 3rd edition .

Jiaolong Chen
QC Manager:

Date:April 22, 2023

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: PBEX Operaiions, LLC **OGRID:** 332544 **Date:** 12/15/2024.

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
BOND 33-34 FED COM #001H	30-025-	F-32-18S-32E	1726 FNL 2465 FWL	1347	5058	2401
BOND 33-34 FED COM #002H	30-025-	F-32-18S-32E	1726 FNL 2385 FWL	1347	5058	2401
BOND 33-34 FED COM #003H	30-025-	F-32-18S-32E	1625 FNL 1221 FEL	1347	5058	2401
BOND 33-34 FED COM #004H	30-025-	F-32-18S-32E	1071 FSL 1140 FEL	1347	5058	2401
BOND 33-34 FED COM #005H	30-025-	F-32-18S-32E	1031 FSL 1134 FEL	1347	5058	2401
BOND 33-34 FED COM #006H	30-025-	F-32-18S-32E	972 FSL 1125 FEL	1347	5058	2401
BOND 33-34 FED COM #101H	30-025-	F-32-18S-32E	1726 FNL 2445 FWL	1141	3197	2862
BOND 33-34 FED COM #102H	30-025-	F-32-18S-32E	1726 FNL 2365 FWL	1141	3197	2862
BOND 33-34 FED COM #103H	30-025-	F-32-18S-32E	1605 FSL 1218 FEL	1141	3197	2862
BOND 33-34 FED COM #104H	30-025-	F-32-18S-32E	1348 FSL 1180 FEL	1141	3197	2862
BOND 33-34 FED COM #105H	30-025-	F-32-18S-32E	1308 FSL 1175 FEL	1141	3197	2862
BOND 33-34 FED COM #106H	30-025-	F-32-18S-32E	1269 FSL 1169 FEL	1141	3197	2862
BOND 33-34 FED COM #201H	30-025-	F-32-18S-32E	1726 FNL 2425 FWL	1176	1733	2585
BOND 33-34 FED COM #203H	30-025-	F-32-18S-32E	1726 FNL 2345 FWL	1176	1733	2585
BOND 33-34 FED COM #205H	30-025-	F-32-18S-32E	1585 FSL 1215 FEL	1176	1733	2585
BOND 33-34 FED COM #207H	30-025-	F-32-18S-32E	1368 FSL 1183 FEL	1176	1733	2585
BOND 33-34 FED COM #209H	30-025-	F-32-18S-32E	1328 FSL 1177 FEL	1176	1733	2585
BOND 33-34 FED COM #211H	30-025-	F-32-18S-32E	1288 FSL 1172 FEL	1176	1733	2585
BOND 33-34 FED COM #301H	30-025-	F-32-18S-32E	1726 FNL 2405 FWL	1171	1946	3188
BOND 33-34 FED COM #302H	30-025-	F-32-18S-32E	1725 FNL 2325 FWL	1171	1946	3188
BOND 33-34 FED COM #303H	30-025-	F-32-18S-32E	1565 FSL 1212 FEL	1171	1946	3188
BOND 33-34 FED COM #304H	30-025-	F-32-18S-32E	1051 FSL 1137 FEL	1171	1946	3188
BOND 33-34 FED COM #305H	30-025-	F-32-18S-32E	1012 FSL 1131 FEL	1171	1946	3188
BOND 33-34 FED COM #306H	30-025-	F-32-18S-32E	992 FSL 1128 FEL	1171	1946	3188

IV. Central Delivery Point Name: Bond 33-34 Fed Com Battery [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
BOND 33-34 FED COM #001H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #002H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #003H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #004H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #005H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #006H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #101H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #102H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #103H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #104H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #105H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #106H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #201H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #203H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #205H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #207H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #209H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #211H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #301H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #302H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #303H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #304H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #305H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026
BOND 33-34 FED COM #306H	30-025-	9/1/2026	9/16/2026	12/1/2026	12/15/2026	12/15/2026

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Mikah Thomas
Title:	Regulatory & HSE Manager
E-mail Address:	mikah@pbex.com
Date:	02/24/2025
Phone:	432.661.7106
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

LSE_NAME	ProdDate	Proj Oil	Proj Gas	Proj NGL	Proj Water
MIDDLE AVALON TIER 1	Month 1	13076	42564	232400	43821
MIDDLE AVALON TIER 1	Month 2	40843	153416	837650	72767
MIDDLE AVALON TIER 1	Month 3	31729	149837	818108	52435
MIDDLE AVALON TIER 1	Month 4	25424	142088	775800	43439
MIDDLE AVALON TIER 1	Month 5	20173	127119	694069	35192
MIDDLE AVALON TIER 1	Month 6	17722	122204	667235	31355
MIDDLE AVALON TIER 1	Month 7	15409	114173	623383	27549
MIDDLE AVALON TIER 1	Month 8	13234	103818	566847	23846
MIDDLE AVALON TIER 1	Month 9	12308	101209	552601	22313
MIDDLE AVALON TIER 1	Month 10	10837	92724	506273	19744
MIDDLE AVALON TIER 1	Month 11	10281	90994	496827	18807
MIDDLE AVALON TIER 1	Month 12	9497	86587	472766	17432
MIDDLE AVALON TIER 1	Month 13	8000	74775	408273	14727
MIDDLE AVALON TIER 1	Month 14	8304	79326	433120	15323
MIDDLE AVALON TIER 1	Month 15	7550	73596	401837	13963
MIDDLE AVALON TIER 1	Month 16	7360	73047	398834	13637
MIDDLE AVALON TIER 1	Month 17	6743	68014	371355	12515
MIDDLE AVALON TIER 1	Month 18	6617	67727	369792	12299
MIDDLE AVALON TIER 1	Month 19	6296	65324	356667	11719
MIDDLE AVALON TIER 1	Month 20	5817	61090	333552	10840
MIDDLE AVALON TIER 1	Month 21	5751	61080	333495	10730
MIDDLE AVALON TIER 1	Month 22	5336	57258	312630	9966
MIDDLE AVALON TIER 1	Month 23	5297	57376	313275	9902
MIDDLE AVALON TIER 1	Month 24	5094	55669	303952	9530
MIDDLE AVALON TIER 1	Month 25	4439	48900	266995	8312
MIDDLE AVALON TIER 1	Month 26	4749	52697	287726	8898
MIDDLE AVALON TIER 1	Month 27	4441	49633	270995	8327
MIDDLE AVALON TIER 1	Month 28	4440	49955	272753	8330
MIDDLE AVALON TIER 1	Month 29	4162	47122	257286	7814
MIDDLE AVALON TIER 1	Month 30	4171	47496	259328	7834
MIDDLE AVALON TIER 1	Month 31	4047	46341	253023	7604
MIDDLE AVALON TIER 1	Month 32	3805	43801	239153	7154
MIDDLE AVALON TIER 1	Month 33	3824	44232	241509	7192
MIDDLE AVALON TIER 1	Month 34	3602	41856	228536	6777
MIDDLE AVALON TIER 1	Month 35	3625	42316	231043	6824
MIDDLE AVALON TIER 1	Month 36	3532	41407	226081	6652
MIDDLE AVALON TIER 1	Month 37	3224	37948	207196	6074
MIDDLE AVALON TIER 1	Month 38	3366	39759	217084	6343

NATURAL GAS MANAGEMENT PLAN

PBEX Operations, LLC

VI. Separation Equipment:

Separation equipment installed at each PBEX facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

VII./VIII. Operational & Best Management Practices:**1. General Requirements for Venting and Flaring of Natural Gas:**

- In all circumstances, PBEX will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- PBEX installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations:

- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions:

- PBEX typically does not complete traditional flowback, instead PBEX will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If PBEX completes traditional flowback, PBEX conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator
- Normally, during completion, a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.

4. During Production:

- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
- In all circumstances, PBEX will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.

NATURAL GAS MANAGEMENT PLAN

PBEX Operations, LLC

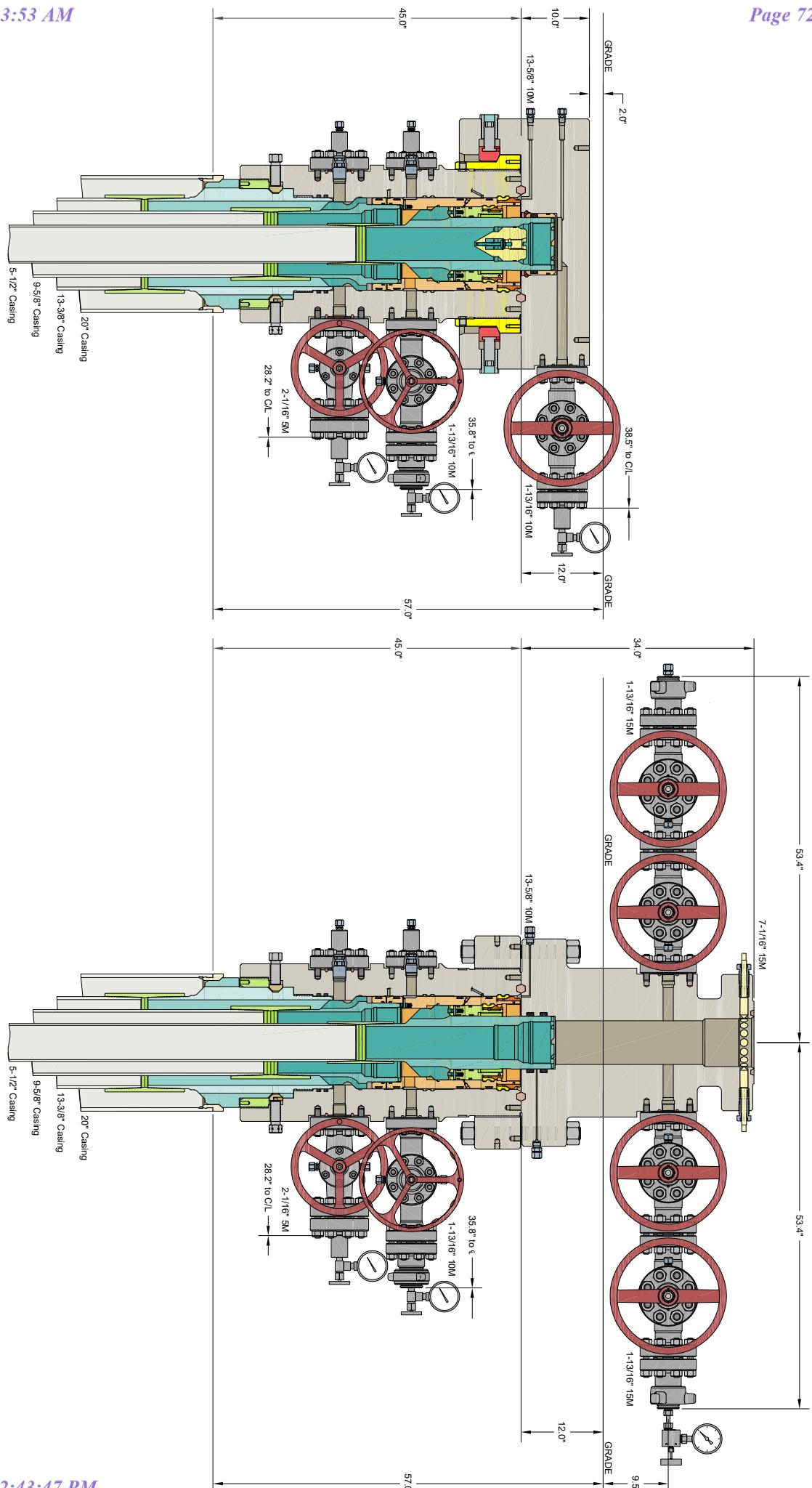
- PBEX's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.
- PBEX does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

5. Performance Standards

- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. The new flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
- New tanks will be equipped with an automatic gauging system.
- An AVO inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.

6. Measurement or Estimation of Vented and Flared Natural Gas

- PBEX estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, PBEX will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

FROM HBE1335

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

PBEX OPERATIONS LLC
NEW MEXICO

20" x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO Wellhead Sys.

With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head

And 9-5/8" And 5-1/2" Fluted Mandrel Casing Hangers

DRAWN DLE 12FEB25

APPRV

DRAWING NO.

SDT-5235

C-102		State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION				Revised July 9, 2024	
Submit Electronically Via OCD Permitting						Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-025-55721	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH				
Property Code 338342	Property Name BOND 33-34 FED COM			Well Number #207H		
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC			Ground Level Elevation 3,687.61'		
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal			Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal			

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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Bottom Hole Location

UL I	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,630' FSL	Ft. from E/W 50' FEL	Latitude 32.701161°	Longitude -103.745716°	County LEA
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Dedicated Acres 320.640	Infill or Defining Well Defining	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23684			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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First Take Point (FTP)

UL L	Section 33	Township 18S	Range 32E	Lot	Ft. from N/S 1,631' FSL	Ft. from E/W 100' FWL	Latitude 32.701230°	Longitude -103.779564°	County LEA
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Last Take Point (LTP)

UL I	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,630' FSL	Ft. from E/W 100' FEL	Latitude 32.701161°	Longitude -103.745879°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3,687.61
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

11/30/25

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Date: 11/28/2025

Signature

Date

Mikah Thomas

Printed Name

mikah@pbex.com

Email Address

Certificate Number

12177

Date of Survey

11/28/2025

Revision Number

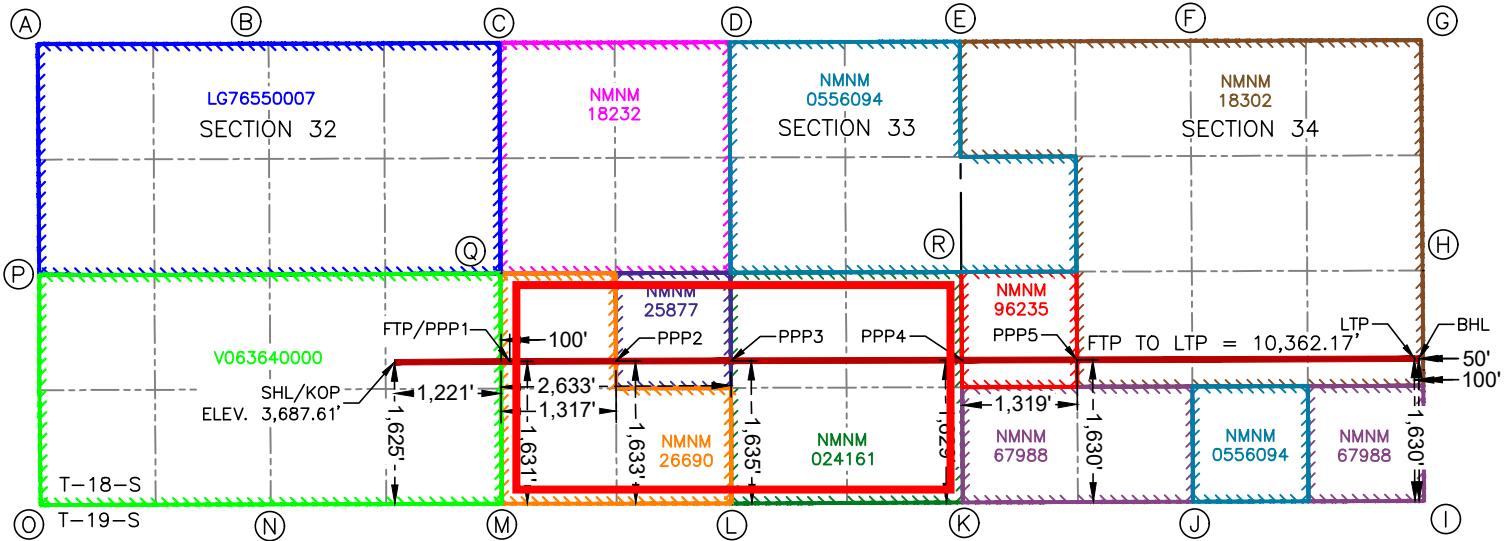
2

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

BOND 33-34 FED COM #207H

SURFACE HOLE LOCATION
& KICK-OFF POINT
1,625' FSL & 1,221' FEL
ELEV. = 3,687.61'

NAD 83 X = 710,360.35'
NAD 83 Y = 619,273.62'
NAD 83 LAT = 32.701222°
NAD 83 LONG = -103.783858°

FIRST TAKE POINT &
PENETRATION POINT 1
1,631' FSL & 100' FWL

NAD 83 X = 711,681.23'
NAD 83 Y = 619,283.40'
NAD 83 LAT = 32.701230°
NAD 83 LONG = -103.779564°

PENETRATION POINT 2
1,633' FSL & 1,317' FWL

NAD 83 X = 712,898.16'
NAD 83 Y = 619,286.48'
NAD 83 LAT = 32.701221°
NAD 83 LONG = -103.775608°

PENETRATION POINT 3
1,635' FSL & 2,633' FWL

NAD 83 X = 714,214.19'
NAD 83 Y = 619,289.82'
NAD 83 LAT = 32.701211°
NAD 83 LONG = -103.771330°

PENETRATION POINT 4
1,629' FSL & 0' FWL

NAD 83 X = 716,860.37'
NAD 83 Y = 619,296.82'
NAD 83 LAT = 32.701191°
NAD 83 LONG = -103.762728°

PENETRATION POINT 5
1,630' FSL & 1,319' FWL

NAD 83 X = 718,179.35'
NAD 83 Y = 619,301.06'
NAD 83 LAT = 32.701183°
NAD 83 LONG = -103.758440°

LAST TAKE POINT
1,630' FSL & 100' FEL

NAD 83 X = 722,043.35'
NAD 83 Y = 619,314.27'
NAD 83 LAT = 32.701161°
NAD 83 LONG = -103.745879°

BOTTOM HOLE LOCATION
1,630' FSL & 50' FEL

NAD 83 X = 722,093.35'
NAD 83 Y = 619,314.45'
NAD 83 LAT = 32.701161°
NAD 83 LONG = -103.745716°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
POINT	NORTHING/EASTING
A	N:622,919.18' E:706,274.71'
B	N:622,925.94' E:708,919.07'
C	N:622,933.11' E:711,562.90'
D	N:622,939.79' E:714,200.05'
E	N:622,946.74' E:716,835.71'
F	N:622,955.24' E:719,478.22'
G	N:622,964.56' E:722,119.22'
H	N:620,324.44' E:722,136.67'
I	N:617,684.31' E:722,154.13'
J	N:617,675.56' E:719,507.45'
K	N:617,667.42' E:716,871.24'
L	N:617,654.91' E:714,220.52'
M	N:617,652.16' E:711,590.74'
N	N:617,645.07' E:708,944.55'
O	N:617,637.10' E:706,308.57'
P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'

C-102		State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION				Revised July 9, 2024	
Submit Electronically Via OCD Permitting						Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-025-55721	Pool Code 50510	Pool Name QUERCH PLAINS; LOWER BONE SPRING				
Property Code 338342	Property Name BOND 33-34 FED COM			Well Number #207H		
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC			Ground Level Elevation 3,687.61'		
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal			Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal			

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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Bottom Hole Location

UL I	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,630' FSL	Ft. from E/W 50' FEL	Latitude 32.701161°	Longitude -103.745716°	County LEA
----------------	----------------------	------------------------	---------------------	-----	-----------------------------------	--------------------------------	-------------------------------	----------------------------------	----------------------

Dedicated Acres 320.640	Infill or Defining Well Defining	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23684			Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,625' FSL	Ft. from E/W 1,221' FEL	Latitude 32.701222°	Longitude -103.783858°	County LEA
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First Take Point (FTP)

UL L	Section 33	Township 18S	Range 32E	Lot	Ft. from N/S 1,631' FSL	Ft. from E/W 100' FWL	Latitude 32.701230°	Longitude -103.779564°	County LEA
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Last Take Point (LTP)

UL I	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 1,630' FSL	Ft. from E/W 100' FEL	Latitude 32.701161°	Longitude -103.745879°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation: 3,687.61
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OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

11/30/25

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Date: 11/28/2025

Signature

Date

Mikah Thomas

Printed Name

mikah@pbex.com

Email Address

Certificate Number

12177

Date of Survey

11/28/2025

Revision Number

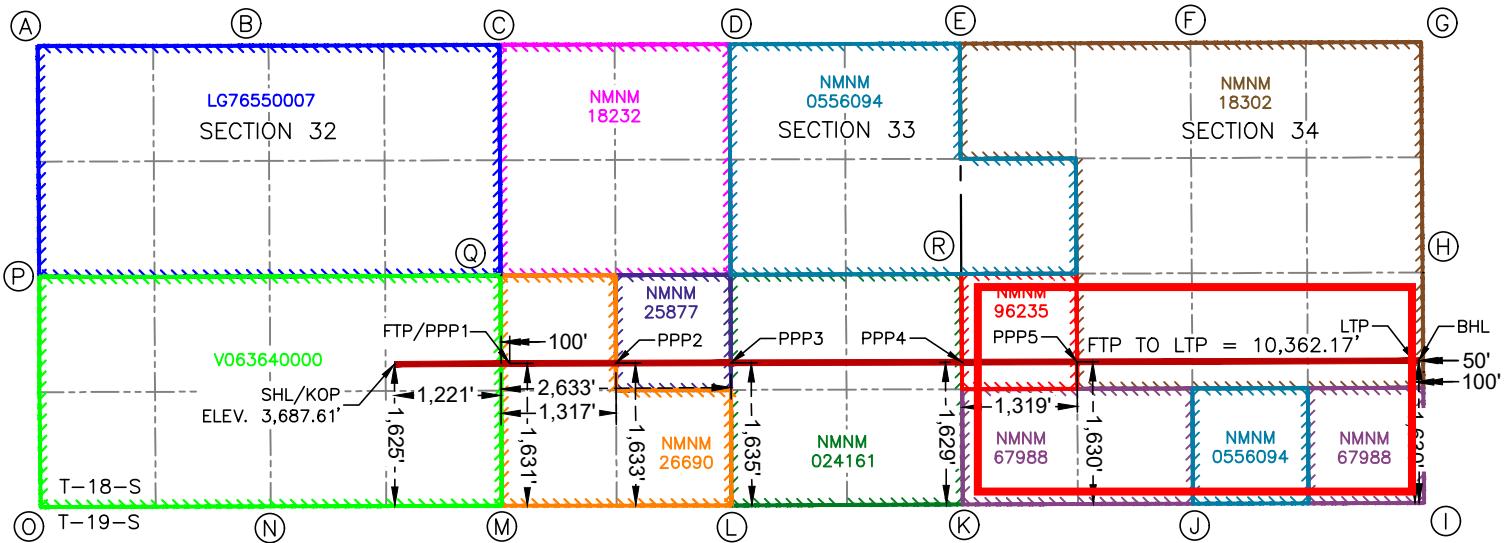
2

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

BOND 33-34 FED COM #207H

SURFACE HOLE LOCATION
 & KICK-OFF POINT
 1,625' FSL & 1,221' FEL
 ELEV. = 3,687.61'
 NAD 83 X = 710,360.35'
 NAD 83 Y = 619,273.62'
 NAD 83 LAT = 32.701222°
 NAD 83 LONG = -103.783858°

FIRST TAKE POINT & PENETRATION POINT 1
 1,631' FSL & 100' FWL
 NAD 83 X = 711,681.23'
 NAD 83 Y = 619,283.40'
 NAD 83 LAT = 32.701230°
 NAD 83 LONG = -103.779564°

PENETRATION POINT 2
 1,633' FSL & 1,317' FWL
 NAD 83 X = 712,898.16'
 NAD 83 Y = 619,286.48'
 NAD 83 LAT = 32.701221°
 NAD 83 LONG = -103.775608°

PENETRATION POINT 3
 1,635' FSL & 2,633' FWL
 NAD 83 X = 714,214.19'
 NAD 83 Y = 619,289.82'
 NAD 83 LAT = 32.701211°
 NAD 83 LONG = -103.771330°

PENETRATION POINT 4
 1,629' FSL & 0' FWL
 NAD 83 X = 716,860.37'
 NAD 83 Y = 619,296.82'
 NAD 83 LAT = 32.701191°
 NAD 83 LONG = -103.762728°

PENETRATION POINT 5
 1,630' FSL & 1,319' FWL
 NAD 83 X = 718,179.35'
 NAD 83 Y = 619,301.06'
 NAD 83 LAT = 32.701183°
 NAD 83 LONG = -103.758440°

LAST TAKE POINT
 1,630' FSL & 100' FEL
 NAD 83 X = 722,043.35'
 NAD 83 Y = 619,314.27'
 NAD 83 LAT = 32.701161°
 NAD 83 LONG = -103.745879°

BOTTOM HOLE LOCATION
 1,630' FSL & 50' FEL
 NAD 83 X = 722,093.35'
 NAD 83 Y = 619,314.45'
 NAD 83 LAT = 32.701161°
 NAD 83 LONG = -103.745716°

CORNER COORDINATES NEW MEXICO EAST - NAD 83	
POINT	NORTHING/EASTING
A	N:622,919.18' E:706,274.71'
B	N:622,925.94' E:708,919.07'
C	N:622,933.11' E:711,562.90'
D	N:622,939.79' E:714,200.05'
E	N:622,946.74' E:716,835.71'
F	N:622,955.24' E:719,478.22'
G	N:622,964.56' E:722,119.22'
H	N:620,324.44' E:722,136.67'
I	N:617,684.31' E:722,154.13'
J	N:617,675.56' E:719,507.45'
K	N:617,667.42' E:716,871.24'
L	N:617,654.91' E:714,220.52'
M	N:617,652.16' E:711,590.74'
N	N:617,645.07' E:708,944.55'
O	N:617,637.10' E:706,308.57'
P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'

Well Name: BOND 33-34 FED COM	Well Location: T18S / R32E / SEC 32 / NESE / 32.701222 / -103.783858	County or Parish/State: LEA / NM
Well Number: 207H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM18232	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: PBEX OPERATIONS LLC	

Notice of Intent

Sundry ID: 2878969

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/16/2025

Time Sundry Submitted: 12:07

Date proposed operation will begin: 10/16/2025

Procedure Description: AFMSS APD Number: 10400103869 Well name change: Original: BOND 32-34 FED COM 003H New: BOND 33-34 FED COM 207H Target Zone Change: Attachment PPP Changes: Attachment Original- SHL 32-18S-32E 1625 FSL & 1221 FEL V063640000 New- SHL No Changes Original- KOP 32-18S-32E 1625 FSL & 1221 FEL V063640000 New- KOP No Changes Original- FTP 32-18S-32E 2200 FNL & 2540 FEL LG76550007 New- FTP 33-18S-32E 1,631 FSL & 100 FWL VO63640000 Original- PPP2 33-18S-32E 2200 FNL & 0 FWL NMNM18232 New- PPP2 33-18S-32E 1633 FSL & 1317 FWL NMNM25877 Original- PPP3 33-18S-32E 220 FNL & 2635 FWL NMNM0556094 New- PPP3 33-18S-32E 1635 FSL & 2633 FWL NMNM024161 Original- PPP4 34-18S-32E 2200 FNL & 1320 FWL NMNM18302 New- PPP4 34-18S-32E 1629 FSL & 0 FWL NMNM96235 Original- PPP5 New- PPP5 34-18S-32E 1630 FSL & 1319 FWL NMNM18302 Original- LTP 34-18S-32E 2200 FNL & 100 FEL NMNM018302 New- LTP 34-18S-32E 1630 FSL & 100 FEL NMNM18302 Original- BHL 34-18S-32E 2,200 FNL & 10 FEL NMNM018302 New- BHL 34-18S-32E 1630 FSL & 50 FEL NMNM18302 Casing Design- ORIGINAL Name Hole Size Casing Size Standard Tapered Top MD Btm MD Top TVD Btm TVD Grade Weight Thread Collapse Burst Tension Surface 17 1/2 13 3/8 API no 0 1310 0 1310 J-55 54.5 BTC 1.125 1.125 1.6 Intermediate 1 12 1/4 9 5/8 API no 0 4000 0 3970 J-55 40 BTC 1.125 1.125 1.6 Intermediate 2 12 1/4 9 5/8 API no 4000 4535 3970 4505 HCL80 40 BTC 1.125 1.125 1.6 Production 8 3/4 5 1/2 API no 0 21739 0 7820 P-110 17 CDC HTQ 1.125 1.125 1.6 Casing Design- NEW Name Hole Size Casing Size Standard Tapered Top MD Btm MD Top TVD Btm TVD Grade Weight Thread Collapse Burst Tension Surface 17 1/2 13 3/8 API no 0 1310 0 1310 J-55 54.55 BTC 1.125 1.125 1.6 Intermediate 12 1/4 9 5/8 API no 0 4535 0 4480 L80HC 40 BTC 1.125 1.125 1.6 Production 8 3/4 5 1/2 API no 0 20181 0 9360 P110 20 Freedom 1.125 1.125 1.6 Alternate Grades and or higher weights could be substituted to meet maximum stimulation pressures or due to coupling availability Cement Details- ORIGINAL Name Type Top MD Sacks Yield Cu Ft Weight Excess Cement Additives Surface Lead 0 751 2.22 1667.3 12.5 100% C Gel, Accleerator, LCM Tail 1200 83 1.84 152.8 13.2 100% C Gel, Accleerator, LCM Intermediate Lead 0 804 2.65 2129.5 10.5 100% C or H Fluid Loss, Retarder, LCM, Possibly Beads Tail 3785 240 1.33 319.2 13.2 100% C or H Fluid Loss, Retarder, LCM Production Lead 4035 275 4.3 1184.4 10.5 20% H Fluid Loss, Retarder, LCM Tail 7820 2589 1.68 4349.8 13 20% H Fluid Loss, Retarder, LCM Cement Details- NEW Name Type Top MD Sacks Yield Cu Ft Weight Excess Cement Additives Surface Lead 0 1,158 1.44 1667.1 12.8 100% C Gel, Accleerator, LCM Tail 1200 115 1.33 152.8 14.8 100% C Gel, Accleerator, LCM Intermediate Lead 0 753 3.32 2500.5 10.5 100% C Fluid Loss, Retarder, LCM, Possibly Beads Tail 3785 388 1.21 469.8 13.2 100% C Fluid Loss, Retarder, LCM Production Lead 4035 380 3.03 1152.2 10.5 20% H Fluid Loss, Retarder, LCM Tail 7820 3,046 1.23 3746.8 13.2 20% H Fluid Loss, Retarder, LCM Mud Program- ORIGINAL Name Top Bottom Type Mud Weight Vis Fluid Loss Surface 0 1310 Water Based Mud 8.3 30-60 NC Intermediate 1310 4535 Brine Based Mud 10.2 35-45 NC Production 4535 21739 Oil Based Mud 9.7 35-65 4 to 6 Mud Program- NEW Name Top Bottom Type Mud Weight Vis Fluid Loss Surface 0 1310 Water Based Mud 8.3 30-60 NC Intermediate 1310 4535 Brine Based Mud 10.2 35-45 NC Production 4535 20181 Oil Based Mud 9.7 35-65 4 to 6

Well Location: T18S / R32E / SEC 32 / NESE / 32.701222 / -103.783858

County or Parish/State: LEA / NM

Well Number: 207H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM18232

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: PBEX OPERATIONS LLC

NOI Attachments

Procedure Description

5.5_20.00_0.361__P110_RY_92.5_RBW_USS_FREEDOM_HTQ_Data_Sheet_03_14_24_20251211084251.pdf
 Bond_003H__207H_PPP_Changes_20251208105355.pdf
 Bond_003H__New_Bond_207H_Changes_20251208105345.pdf
 Plan_2_WM_01_Bond_33_34_FED_COM_207H_20251208105259.pdf
 Plan_2_AC_01_Bond_33_34_FED_COM_207H_20251208105255.pdf
 Plan_2_01_Bond_33_34_FED_COM_207H_20251208105250.pdf
 24_041778_BOND_33_34_FED_COM_207H_C102_20251208105221.pdf

Conditions of Approval

Additional

32_18_32_I_Sundry_ID_2878969_Bond_33_34_Fed_Com_207H_Lea_NM18232_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20251211134555.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: MIKAH THOMAS

Signed on: DEC 11, 2025 08:43 AM

Name: PBEX OPERATIONS LLC

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND **State:** TX

Phone: (432) 661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

Well Location: T18S / R32E / SEC 32 / NESE / 32.701222 / -103.783858

County or Parish/State: LEA / NM

Well Number: 207H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM18232

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: PBEX OPERATIONS LLC

BLM Point of Contact

BLM POC Name: TANJA BACA

BLM POC Title: Supervisory Land Law Examiner

BLM POC Phone: 5752345940

BLM POC Email Address: TABACA@BLM.GOV

Disposition: Approved

Disposition Date: 12/11/2025

Signature: Chris Walls

Form 3160-5
(October 2024)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 20275. Lease Serial No.
NMNM18232

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

 Oil Well Gas Well Other8. Well Name and No.
BOND 33-34 FED COM/207H

2. Name of Operator PBEX OPERATIONS LLC

9. API Well No.

3a. Address 223 WEST WALL STREET STE 900, MIDLAND, 3b. Phone No. (include area code)
(432) 661-710610. Field and Pool or Exploratory Area
LUSK/BONE SPRING, NORTH

4. Location of Well (Footage, Sec., T.R.M., or Survey Description)

SEC 32/T18S/R32E/NMP

11. Country or Parish, State
LEA/NM

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

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

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

AFMSS APD Number: 10400103869

Well name change:

Original: BOND 32-34 FED COM 003H

New: BOND 33-34 FED COM 207H

Target Zone Change: Attachment

PPP Changes: Attachment

Original- SHL 32-18S-32E 1625 FSL & 1221 FEL V063640000 New-SHL No Changes

Original- KOP 32-18S-32E 1625 FSL & 1221 FEL V063640000 New- KOP No Changes

Original- FTP 32-18S-32E 2200 FNL & 2540 FEL LG76550007 New- FTP 33-18S-32E 1,631 FSL & 100 FWL VO63640000

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Regulatory Manager
MIKAH THOMAS / Ph: (432) 661-7106	Title
Signature (Electronic Submission)	Date 12/11/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Petroleum Engineer

Date 12/11/2025

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.

Title CARLSBAD

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Original- PPP2 33-18S-32E 2200 FNL & 0 FWL NMNM18232 New- PPP2 33-18S-32E 1633 FSL & 1317 FWL NMNM25877

Original- PPP3 33-18S-32E 220 FNL & 2635 FWL NMNM0556094 New- PPP3 33-18S-32E 1635 FSL & 2633 FWL NMNM024161

Original- PPP4 34-18S-32E 2200 FNL & 1320 FWL NMNM18302 New- PPP4 34-18S-32E 1629 FSL & 0 FWL NMNM96235

Original- PPP5 New- PPP5 34-18S-32E 1630 FSL & 1319 FWL NMNM18302

Original- LTP 34-18S-32E 2200 FNL & 100 FEL NMNM018302 New- LTP 34-18S-32E 1630 FSL & 100 FEL NMNM18302

Original- BHL 34-18S-32E 2,200 FNL & 10 FEL NMNM018302 New- BHL 34-18S-32E 1630 FSL & 50 FEL NMNM18302

Casing Design- ORIGINAL

Name Hole Size Casing Size Standard Tapered Top MD Btm MD Top TVD Btm TVD Grade Weight Thread Collapse Burst Tension

Surface 17 1/2 13 3/8 API no 0 1310 0 1310 J-55 54.5 BTC 1.125 1.125 1.6

Intermediate 1 12 1/4 9 5/8 API no 0 4000 0 3970 J-55 40 BTC 1.125 1.125 1.6

Intermediate 2 12 1/4 9 5/8 API no 4000 4535 3970 4505 HCL80 40 BTC 1.125 1.125 1.6

Production 8 3/4 5 1/2 API no 0 21739 0 7820 P-110 17 CDC HTQ 1.125 1.125 1.6

Casing Design- NEW

Name Hole Size Casing Size Standard Tapered Top MD Btm MD Top TVD Btm TVD Grade Weight Thread Collapse Burst Tension

Surface 17 1/2 13 3/8 API no 0 1310 0 1310 J-55 54.55 BTC 1.125 1.125 1.6

Intermediate 12 1/4 9 5/8 API no 0 4535 0 4480 L80HC 40 BTC 1.125 1.125 1.6

Production 8 3/4 5 1/2 API no 0 20181 0 9360 P110 20 Freedom 1.125 1.125 1.6

Alternate Grades and or higher weights could be substituted to meet maximum stimulation pressures or due to coupling availability

Cement Details- ORIGINAL

Name Type Top MD Sacks Yield Cu Ft Weight Excess Cement Additives

Surface Lead 0 751 2.22 1667.3 12.5 100% C Gel, Accleerator, LCM

Tail 1200 83 1.84 152.8 13.2 100% C Gel, Accleerator, LCM

Intermediate Lead 0 804 2.65 2129.5 10.5 100% C or H Fluid Loss, Retarder, LCM, Possibly Beads

Tail 3785 240 1.33 319.2 13.2 100% C or H Fluid Loss, Retarder, LCM

Production Lead 4035 275 4.3 1184.4 10.5 20% H Fluid Loss, Retarder, LCM

Tail 7820 2589 1.68 4349.8 13 20% H Fluid Loss, Retarder, LCM

Cement Details- NEW

Name Type Top MD Sacks Yield Cu Ft Weight Excess Cement Additives

Surface Lead 0 1,158 1.44 1667.1 12.8 100% C Gel, Accleerator, LCM

Tail 1200 115 1.33 152.8 14.8 100% C Gel, Accleerator, LCM

Intermediate Lead 0 753 3.32 2500.5 10.5 100% C Fluid Loss, Retarder, LCM, Possibly Beads

Tail 3785 388 1.21 469.8 13.2 100% C Fluid Loss, Retarder, LCM

Production Lead 4035 380 3.03 1152.2 10.5 20% H Fluid Loss, Retarder, LCM

Tail 7820 3,046 1.23 3746.8 13.2 20% H Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name Top Bottom Type Mud Weight Vis Fluid Loss

Surface 0 1310 Water Based Mud 8.3 30-60 NC

Intermediate 1310 4535 Brine Based Mud 10.2 35-45 NC

Production 4535 21739 Oil Based Mud 9.7 35-65 4 to 6

Mud Program- NEW

Name Top Bottom Type Mud Weight Vis Fluid Loss

Surface 0 1310 Water Based Mud 8.3 30-60 NC

Intermediate 1310 4535 Brine Based Mud 10.2 35-45 NC

Production 4535 20181 Oil Based Mud 9.7 35-65 4 to 6

Location of Well

0. SHL: NESE / 1625 FSL / 1221 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.701222 / LONG: -103.783858 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 2200 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.705233 / LONG: -103.788148 (TVD: 7820 feet, MD: 8649 feet)

PPP: SWNW / 2200 FNL / 0 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7052167 / LONG: -103.7798903 (TVD: 7820 feet, MD: 11189 feet)

PPP: SENW / 2200 FNL / 1320 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7051737 / LONG: -103.7584431 (TVD: 7820 feet, MD: 17786 feet)

PPP: SWNE / 2200 FNL / 2635 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7051999 / LONG: -103.771323 (TVD: 7820 feet, MD: 13824 feet)

BHL: SENE / 2200 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.705146 / LONG: -103.745591 (TVD: 7820 feet, MD: 21739 feet)

Bond 33-34 Fed Com 207H

13 3/8			surface csg in a		17 1/2	inch hole.	Design Factors			Surface			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50			j 55	btc	12.91	2.16	1.15	1,213	5	1.97	4.41	66,109
"B"					btc		0						0
			w/8.4#/g mud, 30min Sfc Csg Test psig: 1,382		Tail Cmt	does not	circ to sfc.		Totals:	1,213			66,109

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	2M	Min Dist Hole-Cplg
17 1/2	0.6946	1273	1820	843	116	8.30	1388			1.56

Site plat (pipe racks S or E) as per D.D.1.1.D.4.1 not found

9 5/8			casing inside the		13 3/8	Design Factors			Int 1				
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00			jcl 80	btc	5.11	1.78	1.22	4,535	2	2.16	3.05	181,400
"B"						0							0
			w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500						Totals:	4,535			181,400
			The cement volume(s) are intended to achieve a top of		0		ft from surface or a			1213			overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE					Min Dist Hole-Cplg
12 1/4	0.3132	1141	2969	1480	101	10.20	2657						0.81
									sum of sx				%excess
									1141				101

5 1/2			casing inside the		9 5/8	Design Factors			Prod 1				
Segment	#/ft	Grade			Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00			p 110	freedom	3.42	2.35	2.83	20,181	3	5.03	4.18	403,620
"B"						0							0
"C"						0							0
"D"						0							0
			w/8.4#/g mud, 30min Sfc Csg Test psig: 2,059						Totals:	20,181			403,620
			The cement volume(s) are intended to achieve a top of		4335		ft from surface or a			200			overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE					Min Dist Hole-Cplg
8 3/4	0.2526	3426	4898	4004	22	9.70							1.23

Class 'C' tail cmt yld > 1.35

#N/A			5 1/2		Design Factors			<Choose Casing>					
Segment	#/ft	Grade			Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0						0
"B"			0.00				0						0
			w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	0			0
			Cmt vol calc below includes this csg, TOC intended		#N/A		ft from surface or a			#N/A			overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE					Min Dist Hole-Cplg
0	#N/A	#N/A	#N/A	0	#N/A								

Capitan Reef est top XXXX.



5.5 20.00 (0.361)

P110 RY

USS-FREEDOM HTQ®

	Pipe	Connection	
MECHANICAL PROPERTIES	(P110 RY)		RBW: 92.5%
Minimum Yield Strength	110,000		psi
Maximum Yield Strength	125,000		psi
Minimum Tensile Strength	125,000		psi
DIMENSIONS			
Outside Diameter	5.500	6.300	in.
Wall Thickness	0.361		in.
Inside Diameter	4.778	4.778	in.
Drift - API	4.653	4.653	in.
Nominal Linear Weight, T&C	20.00		lb/ft
Plain End Weight	19.83		lb/ft
SECTION AREA			
Cross Sectional Area | Critical Area	5.828	5.828	sq. in.
Connection Efficiency		100.0%	
PERFORMANCE			
Minimum Collapse Pressure	11,100	11,100	psi
Minimum Internal Yield Pressure	13,360	13,360	psi
Minimum Pipe Body Yield Strength	641,000		lb
Joint Strength		641,000	lb
Compression Rating		641,000	lb
Reference Length		21,367	ft [4]
Maximum Uniaxial Bend Rating		91.7	deg/100 ft [2]
MAKE-UP DATA			
Make-Up Loss		4.13	in.
Minimum Make-Up Torque		15,000	ft-lb [3]
Maximum Make-Up Torque		20,500	ft-lb [3]
Maximum Operating Torque		29,500	ft-lb [3]

Notes:

- 1) Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
- 2) Uniaxial Bend Rating shown is structural only.
- 3) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
- 4) Reference length is calculated by joint strength divided by Nominal Linear Weight, T&C with 1.5 safety factor.

Legal Notice: USS-FREEDOM HTQ® (High Torque Casing Drilling Connection) is a trademark of U. S. Steel Corporation. This product is a modified API Buttress threaded and coupled connection designed for drilling with casing applications. All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability, and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application. Data from USS-FREEDOM HTQ® Design Sheet 2024

UNCONTROLLED

UNCONTROLLED

Casing Design- ORIGINAL														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8 API	no	no	0	1310	0	1310	J-55	54.5 BTIC	1.125	1.125	1.6	
Intermediate 1	12 1/4	9 5/8 API	no	no	0	4000	0	3970	J-55	40 BTIC	1.125	1.125	1.6	
Intermediate 2	12 1/4	9 5/8 API	no	no	4000	4535	3970	4505	HCL80	40 BTIC	1.125	1.125	1.6	
Production	8 3/4	5 1/2 API	no	no	0	21739	0	7820	P-110	17 CDCHIQ	1.125	1.125	1.6	

Casing Design- NEW														
Name	Hole Size	Casing Size	Standard	Tapered	Top MD	Btm MD	Top TVD	Btm TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8 API	no	no	0	1310	0	1310	J-55	54.55 BTIC	1.125	1.125	1.6	
Intermediate	12 1/4	9 5/8 API	no	no	0	4535	0	4480	L80HC	40 BTIC	1.125	1.125	1.6	
Production	8 3/4	5 1/2 API	no	no	0	20181	0	9360	P110	20 Freedom	1.125	1.125	1.6	

Alternate Grades and or higher weights could be substituted to meet maximum stimulation pressures or due to coupling availability

Cement Details- ORIGINAL

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accelerator, LCM
	Tail	1200	83	1.84	152.8	13.2	100%	C	Gel, Accelerator, LCM
Intermediate	Lead	0	804	2.65	2129.5	10.5	100%	C or H	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	240	1.33	319.2	13.2	100%	C or H	Fluid Loss, Retarder, LCM
Production	Lead	4035	275	4.3	1184.4	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	2589	1.68	4349.8	13	20%	H	Fluid Loss, Retarder, LCM

Cement Details- NEW

Name	Type	Top MD	Sacks	Yield	Cu Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	1,158	1.44	1667.1	12.8	100%	C	Gel, Accelerator, LCM
	Tail	1200	115	1.33	152.8	14.8	100%	C	Gel, Accelerator, LCM
Intermediate	Lead	0	753	3.32	2500.5	10.5	100%	C	Fluid Loss, Retarder, LCM, Possibly Beads
	Tail	3785	388	1.21	469.8	13.2	100%	C	Fluid Loss, Retarder, LCM
Production	Lead	4035	380	3.03	1152.2	10.5	20%	H	Fluid Loss, Retarder, LCM
	Tail	7820	3,046	1.23	3746.8	13.2	20%	H	Fluid Loss, Retarder, LCM

Mud Program- ORIGINAL

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	20181	Oil Based Mud	9.7	35-65	4 to 6

Mud Program- NEW

Name	Top	Bottom	Type	Mud Weight	Vis	Fluid Loss
Surface	0	1310	Water Based Mud	8.3	30-60	NC
Intermediate	1310	4535	Brine Based Mud	10.2	35-45	NC
Production	4535	20181	Oil Based Mud	9.7	35-65	4 to 6



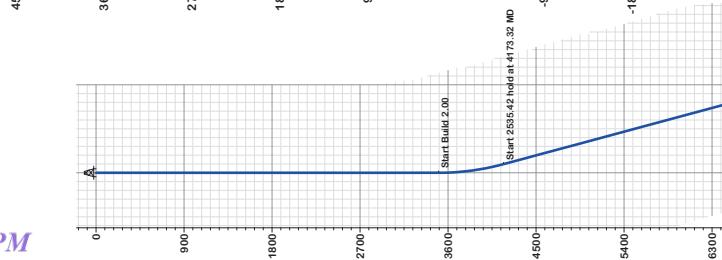
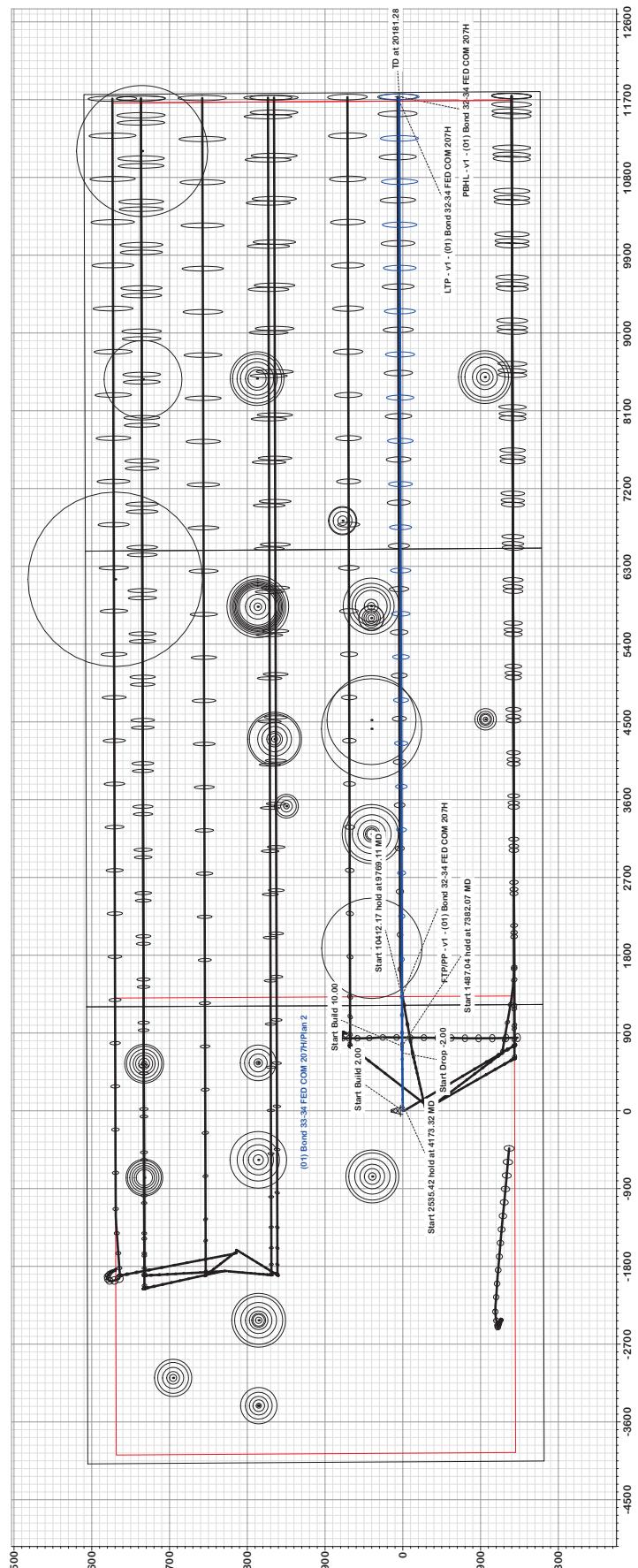
PROJECT DETAILS: Lea County, NM (USA)
 Well Name: (01) Bond 32-34 FED COM 207H
 Geodetic System: (US) State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level
 Local North: Grid KB Elevation: 3637.61
 KB: (01) Bond 30.5 @ 3718.11 usft
 Elevation: 3637.61



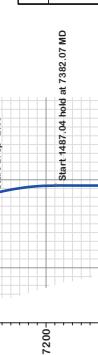
PBEX
Site: Bond South Pad - Phase 1
Well: (01) Bond 33-34 FED COM 207H
Wellbore: 207H
Plan: Plan 2

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSect
1	0.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00
2	3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00
3	4173.32	13.47	89.38	4157.14	0.85	78.76	2.00	89.38	78.76
4	6707.75	13.47	89.38	6632.86	7.23	669.17	2.00	0.00	669.18
5	7382.07	0.00	89.83	7300.00	8.08	747.92	2.00	180.00	747.95
6	8869.11	0.00	89.83	8787.04	8.08	747.92	0.00	0.00	747.95
7	9769.11	90.00	89.83	9350.00	9.79	1320.88	10.00	0.00	1320.88
8	20181.28	90.00	89.83	9350.00	40.84	11733.00	0.00	0.00	11733.07

WELL DETAILS: (01) Bond 33-34 FED COM 207H					
0.00	0.00	Nothing 619273.61	Easting 710360.35	Latitude 32.70122162	Longitude -103.8385730



DESIGN TARGET DETAILS						
Name	TVD	+N/S	+E/W	Northing	Easting	Latitude
NPB1/PP - v1 - (01) Bond 32-34 FED COM 207H	9380.00	9.79	1320.88	61928.00	71681.23	32.70122964
NPB1H - v1 - (01) Bond 32-34 FED COM 207H	9350.00	40.84	11733.00	61931.45	72093.35	32.70160988



Plan 2 (01) Bond 33-34 FED COM 207H
Created By: Todd Broderick Date: 9:59, December 1, 2016

Released to Imaging: 1/2/2026 2:43:47 PM



PBEX

Lea County, NM (N83 - NME)
Bond South Pad - Phase 1
(01) Bond 33-34 FED COM 207H
TBD
207H
Plan 2

Anticollision Report

04 December, 2025

DIXON



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference	Plan 2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,064.38usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	12/4/2025			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description		
0.00	20,181.28	Plan 2 (207H)	MWD+IFR1	OWSG MWD + IFR1		

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Bond North Pad - Phase 1						
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	20,176.24	22,771.47	1,450.02	939.37	2.840	CC
(01) Bond 32-34 FED COM 205H - 205H - Plan 2	20,181.28	22,771.47	1,450.03	939.28	2.839	ES, SF
(02) Bond 32-34 FED COM 301H - 301H - Plan 2						Out of range
(03) Bond 32-34 FED COM 201H - 201H - Plan 2						Out of range
Bond North Pad - Phase 2						
(01) Bond 32-34 FED COM #303H - #303H - Plan 1						Out of range
(02) Bond 32-34 FED COM #101H - #101H - Plan 1						Out of range
(03) Bond 32-34 FED COM #103H - #103H - Plan 1	8,494.68	10,839.30	1,520.62	1,448.55	21.097	CC
	20,181.28	21,818.82	1,791.08	1,347.56	4.038	ES, SF
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)						Out of range
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	9,400.00	9,862.59	195.60	147.30	4.050	CC
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	9,400.02	9,862.59	195.60	147.30	4.050	ES, SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	9,055.27	11,190.00	1,781.43	1,713.76	26.323	CC, ES
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	9,100.00	11,190.00	1,783.25	1,715.32	26.251	SF
(W04) FIST FULL OF DOLLARS FEDERAL 001 - 33644						Out of range
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	14,285.26	9,360.56	1,655.04	1,274.03	4.344	CC
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	14,300.00	9,360.56	1,655.10	1,273.80	4.341	ES
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)	14,400.00	9,360.56	1,659.01	1,275.91	4.331	SF
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	14,288.34	9,347.70	342.99	-2.09	0.994	Level 3, CC, ES, SF
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)	16,934.35	9,358.32	981.36	601.19	2.581	CC, ES
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)	17,000.00	9,358.32	983.56	602.38	2.580	SF
(W08) HULKSTER 001 - 38446 - (Inc Only)						Out of range
(W09) HULKSTER 002 - 38844 - (Inc Only)						Out of range
(W10) HULKSTER 003 - 39570 - (Inc Only)						Out of range
(W11) HULKSTER 004 - 39571 - (Inc Only)						Out of range
(W12) HULKSTER 005 - 39572 - (Inc Only)	6,240.10	6,178.63	1,667.66	1,524.69	11.664	CC
(W12) HULKSTER 005 - 39572 - (Inc Only)	9,000.00	8,918.97	1,678.59	1,470.29	8.059	ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	9,400.00	9,247.43	1,717.73	1,499.74	7.880	SF
(W13) KEEL A FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)	12,753.23	9,359.05	1,465.15	1,172.83	5.012	CC
(W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)	12,800.00	9,359.05	1,465.90	1,172.67	4.999	ES
(W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)	12,900.00	9,359.05	1,472.48	1,177.56	4.993	SF

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Summary		Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
Site Name	Offset Well - Wellbore - Design	Between Centres (usft)	Between Ellipses (usft)				
Bond Pad Offsets							
(W15) KEEL A FEDERAL 004 - 33499 - (Inc Only)							Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,900.00	2,899.35	838.00	767.82	11.942	CC	
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	3,600.00	3,597.10	839.57	753.50	9.754	ES	
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	9,000.00	8,915.11	1,561.45	1,343.06	7.150	SF	
(W17) MAX STATE 001 - 26754 - (Inc Only)	3,040.53	3,057.92	1,765.76	1,684.49	21.726	CC	
(W17) MAX STATE 001 - 26754 - (Inc Only)	3,700.00	3,689.35	1,768.14	1,671.26	18.250	ES	
(W17) MAX STATE 001 - 26754 - (Inc Only)	6,600.00	6,517.19	2,059.33	1,892.95	12.377	SF	
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	16,925.41	9,368.44	1,655.60	1,268.68	4.279	CC, ES	
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)	17,000.00	9,368.44	1,657.28	1,268.98	4.268	SF	
(W19) SPEAR FEDERAL 001 - 33645 - (Inc Only)							Out of range
(W20) SUPERIOR FEDERAL 001 - 24277 - (Inc Only)							Out of range
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	11,650.59	9,354.67	344.21	63.09	1.224	Level 3, CC, ES, SF	
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)							Out of range
(W23) KEEL A FEDERAL 001 - 33316 - (Depth Only)							Out of range
(W24) NELLIE 001 - 24439 - (Depth Only)							Out of range
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth	5,700.00	5,482.00	1,494.59	902.00	2.522	SF	
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth	5,800.00	5,482.00	1,484.15	895.93	2.523	ES	
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth	5,905.57	5,482.00	1,480.39	899.68	2.549	CC	
(W26) STATE EC 001 - 00885 - (Depth Only)							Out of range
(W27) TEXACO FEDERAL 001 - 00886 - (Depth Only)							Out of range
Bond South Pad - Phase 1							
(02) Bond 33-34 FED COM 211H - 211H - Plan 3	2,000.00	1,998.99	19.97	8.86	1.797	Level 3, CC, ES, SF	
Bond South Pad - Phase 2							
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	2,000.00	1,995.13	320.19	309.09	28.821	CC, ES	
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	20,181.28	21,193.34	1,536.94	1,136.80	3.841	SF	
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	3,082.16	3,100.89	217.44	203.15	15.216	CC	
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	3,100.00	3,118.23	217.48	203.14	15.163	ES	
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	20,181.28	21,046.64	1,015.20	711.16	3.339	SF	
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	2,512.77	2,509.47	277.32	264.81	22.162	CC, ES	
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	20,181.28	19,374.19	1,603.25	1,210.03	4.077	SF	
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	8,266.09	8,243.20	105.72	77.16	3.702	CC, ES	
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	8,300.00	8,269.73	107.69	78.18	3.650	SF	

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft
Survey Program:		Rule Assigned:										Offset Well Error:	0.00 usft
0-MWD+IFR1		Distance										Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset	Highside Toolface	Offset +N/S (usft)	+E/W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,000.00	7,917.93	11,791.69	9,360.00	21.01	56.21	-0.168	1,458.70	743.68	2,040.48	1,978.34	62.14	32.837	
8,100.00	8,017.93	11,791.69	9,360.00	21.06	56.21	-0.168	1,458.70	743.68	1,971.43	1,908.28	63.15	31.216	
8,200.00	8,117.93	11,791.69	9,360.00	21.11	56.21	-0.168	1,458.70	743.68	1,905.13	1,840.95	64.18	29.684	
8,300.00	8,217.93	11,791.69	9,360.00	21.16	56.21	-0.168	1,458.70	743.68	1,841.88	1,776.68	65.21	28.247	
8,400.00	8,317.93	11,791.69	9,360.00	21.21	56.21	-0.168	1,458.70	743.68	1,782.00	1,715.78	66.22	26.910	
8,500.00	8,417.93	11,791.69	9,360.00	21.26	56.21	-0.168	1,458.70	743.68	1,725.84	1,658.64	67.21	25.680	
8,600.00	8,517.93	11,791.69	9,360.00	21.31	56.21	-0.168	1,458.70	743.68	1,673.78	1,605.63	68.15	24.561	
8,700.00	8,617.93	11,791.69	9,360.00	21.35	56.21	-0.168	1,458.70	743.68	1,626.20	1,557.18	69.02	23.560	
8,800.00	8,717.93	11,791.69	9,360.00	21.40	56.21	-0.168	1,458.70	743.68	1,583.52	1,513.71	69.81	22.683	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Warning	
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre			Rule Assigned:			
8,900.00	8,817.91	11,792.52	9,360.00	21.48	56.23	-91.135	1,458.70	744.51	1,546.14	1,475.64	70.50	21.932		
9,000.00	8,916.79	11,806.57	9,360.00	21.94	56.50	-93.892	1,458.74	758.57	1,514.77	1,443.44	71.33	21.237		
9,100.00	9,011.73	11,837.58	9,360.00	22.47	57.10	-95.267	1,458.83	789.57	1,490.21	1,417.78	72.43	20.575		
9,200.00	9,099.84	11,884.61	9,360.00	23.01	58.01	-95.438	1,458.97	836.60	1,472.53	1,398.71	73.82	19.946		
9,300.00	9,178.45	11,946.22	9,360.00	23.52	59.20	-94.695	1,459.15	898.21	1,461.07	1,385.52	75.55	19.340		
9,400.00	9,245.16	12,020.54	9,360.00	23.97	60.64	-93.398	1,459.36	972.53	1,454.61	1,376.98	77.63	18.739		
9,500.00	9,297.95	12,105.32	9,360.00	24.35	62.30	-91.934	1,459.61	1,057.31	1,451.65	1,371.57	80.08	18.128		
9,600.00	9,335.22	12,197.98	9,360.00	24.62	64.11	-90.668	1,459.88	1,149.97	1,450.71	1,367.81	82.90	17.500		
9,682.52	9,353.47	12,278.38	9,360.00	24.75	65.69	-89.978	1,460.12	1,230.37	1,450.60	1,365.13	85.47	16.972		
9,700.00	9,355.84	12,295.70	9,360.00	24.78	66.03	-89.886	1,460.17	1,247.69	1,450.60	1,364.57	86.03	16.862		
9,716.21	9,357.63	12,311.81	9,360.00	24.79	66.34	-89.815	1,460.22	1,263.80	1,450.60	1,364.04	86.56	16.758		
9,800.00	9,360.00	12,395.53	9,360.00	24.83	67.99	-89.721	1,460.46	1,347.52	1,450.61	1,361.23	89.37	16.231		
9,900.00	9,360.00	12,495.53	9,360.00	24.86	69.97	-89.721	1,460.75	1,447.52	1,450.60	1,357.75	92.85	15.623		
9,929.70	9,360.00	12,525.23	9,360.00	24.87	70.56	-89.721	1,460.84	1,477.22	1,450.60	1,356.69	93.91	15.447		
10,000.00	9,360.00	12,595.53	9,360.00	24.94	71.95	-89.721	1,461.05	1,547.52	1,450.59	1,354.18	96.42	15.045		
10,029.70	9,360.00	12,625.23	9,360.00	25.13	72.54	-89.721	1,461.13	1,577.22	1,450.59	1,353.10	97.50	14.878		
10,100.00	9,360.00	12,695.53	9,360.00	26.19	73.94	-89.721	1,461.34	1,647.52	1,450.59	1,350.53	100.06	14.498		
10,129.70	9,360.00	12,725.23	9,360.00	26.69	74.53	-89.721	1,461.43	1,677.22	1,450.59	1,349.43	101.15	14.340		
10,200.00	9,360.00	12,795.53	9,360.00	27.89	75.93	-89.721	1,461.63	1,747.52	1,450.58	1,346.83	103.76	13.981		
10,229.70	9,360.00	12,825.23	9,360.00	28.41	76.52	-89.721	1,461.72	1,777.22	1,450.58	1,345.71	104.87	13.832		
10,300.00	9,360.00	12,895.53	9,360.00	29.64	77.92	-89.721	1,461.92	1,847.52	1,450.58	1,343.07	107.50	13.493		
10,329.70	9,360.00	12,925.23	9,360.00	30.17	78.51	-89.721	1,462.01	1,877.22	1,450.58	1,341.95	108.63	13.353		
10,400.00	9,360.00	12,995.53	9,360.00	31.43	79.92	-89.721	1,462.22	1,947.52	1,450.57	1,339.28	111.30	13.033		
10,429.70	9,360.00	13,025.23	9,360.00	31.97	80.51	-89.721	1,462.30	1,977.22	1,450.57	1,338.14	112.43	12.902		
10,500.00	9,360.00	13,095.53	9,360.00	33.25	81.92	-89.721	1,462.51	2,047.52	1,450.57	1,335.44	115.12	12.600		
10,529.70	9,360.00	13,125.23	9,360.00	33.80	82.52	-89.721	1,462.60	2,077.22	1,450.56	1,334.29	116.27	12.476		
10,600.00	9,360.00	13,195.53	9,360.00	35.10	83.93	-89.721	1,462.80	2,147.52	1,450.56	1,331.58	118.98	12.191		
10,629.70	9,360.00	13,225.23	9,360.00	35.66	84.52	-89.721	1,462.89	2,177.22	1,450.56	1,330.42	120.14	12.074		
10,700.00	9,360.00	13,295.53	9,360.00	36.98	85.93	-89.721	1,463.09	2,247.52	1,450.56	1,327.69	122.87	11.806		
10,729.70	9,360.00	13,325.23	9,360.00	37.54	86.53	-89.721	1,463.18	2,277.22	1,450.55	1,326.53	124.03	11.696		
10,800.00	9,360.00	13,395.53	9,360.00	38.87	87.95	-89.721	1,463.39	2,347.52	1,450.55	1,323.78	126.77	11.442		
10,829.70	9,360.00	13,425.23	9,360.00	39.44	88.54	-89.721	1,463.47	2,377.22	1,450.55	1,322.61	127.94	11.338		
10,900.00	9,360.00	13,495.53	9,360.00	40.78	89.96	-89.721	1,463.68	2,447.52	1,450.54	1,319.84	130.70	11.098		
10,929.70	9,360.00	13,525.23	9,360.00	41.35	90.56	-89.721	1,463.77	2,477.22	1,450.54	1,318.67	131.87	11.000		
11,000.00	9,360.00	13,595.53	9,360.00	42.71	91.98	-89.721	1,463.97	2,547.52	1,450.54	1,315.90	134.64	10.773		
11,029.70	9,360.00	13,625.23	9,360.00	43.28	92.58	-89.721	1,464.06	2,577.22	1,450.54	1,314.72	135.82	10.680		
11,100.00	9,360.00	13,695.53	9,360.00	44.65	93.99	-89.721	1,464.27	2,647.52	1,450.53	1,311.93	138.60	10.465		
11,129.70	9,360.00	13,725.23	9,360.00	45.23	94.59	-89.721	1,464.35	2,677.22	1,450.53	1,310.75	139.78	10.377		
11,200.00	9,360.00	13,795.53	9,360.00	46.60	96.02	-89.721	1,464.56	2,747.52	1,450.53	1,307.95	142.57	10.174		
11,229.70	9,360.00	13,825.23	9,360.00	47.18	96.62	-89.721	1,464.64	2,777.22	1,450.53	1,306.77	143.76	10.090		
11,300.00	9,360.00	13,895.53	9,360.00	48.56	98.04	-89.721	1,464.85	2,847.51	1,450.52	1,303.96	146.56	9.897		
11,329.70	9,360.00	13,925.23	9,360.00	49.14	98.64	-89.721	1,464.94	2,877.22	1,450.52	1,302.77	147.74	9.818		
11,400.00	9,360.00	13,995.53	9,360.00	50.53	100.06	-89.721	1,465.14	2,947.51	1,450.52	1,299.96	150.55	9.635		
11,429.70	9,360.00	14,025.23	9,360.00	51.12	100.67	-89.721	1,465.23	2,977.21	1,450.51	1,298.77	151.74	9.559		
11,500.00	9,360.00	14,095.53	9,360.00	52.50	102.09	-89.721	1,465.44	3,047.51	1,450.51	1,295.95	154.56	9.385		
11,529.70	9,360.00	14,125.23	9,360.00	53.09	102.69	-89.721	1,465.52	3,077.21	1,450.51	1,294.76	155.75	9.313		
11,600.00	9,360.00	14,195.53	9,360.00	54.49	104.12	-89.721	1,465.73	3,147.51	1,450.50	1,291.93	158.57	9.147		
11,629.70	9,360.00	14,225.23	9,360.00	55.08	104.72	-89.721	1,465.81	3,177.21	1,450.50	1,290.74	159.76	9.079		
11,700.00	9,360.00	14,295.53	9,360.00	56.48	106.15	-89.721	1,466.02	3,247.51	1,450.50	1,287.91	162.59	8.921		
11,729.70	9,360.00	14,325.23	9,360.00	57.07	106.75	-89.721	1,466.11	3,277.21	1,450.50	1,286.71	163.79	8.856		
11,800.00	9,360.00	14,395.53	9,360.00	58.47	108.18	-89.721	1,466.31	3,347.51	1,450.49	1,283.87	166.62	8.705		
11,829.70	9,360.00	14,425.23	9,360.00	59.07	108.78	-89.721	1,466.40	3,377.21	1,450.49	1,282.68	167.82	8.643		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Warning	
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore +N-S (usft)	Centre +E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,900.00	9,360.00	14,495.53	9,360.00	60.47	110.21	-89.721	1,466.61	3,447.51	1,450.49	1,279.84	170.65	8.500		
11,929.70	9,360.00	14,525.23	9,360.00	61.07	110.82	-89.721	1,466.69	3,477.21	1,450.49	1,278.63	171.85	8.440		
12,000.00	9,360.00	14,595.53	9,360.00	62.48	112.25	-89.721	1,466.90	3,547.51	1,450.48	1,275.79	174.69	8.303		
12,029.70	9,360.00	14,625.23	9,360.00	63.08	112.85	-89.721	1,466.98	3,577.21	1,450.48	1,274.59	175.89	8.246		
12,100.00	9,360.00	14,695.53	9,360.00	64.49	114.28	-89.721	1,467.19	3,647.51	1,450.48	1,271.74	178.74	8.115		
12,129.70	9,360.00	14,725.23	9,360.00	65.09	114.89	-89.721	1,467.28	3,677.21	1,450.47	1,270.53	179.94	8.061		
12,200.00	9,360.00	14,795.53	9,360.00	66.50	116.32	-89.721	1,467.48	3,747.51	1,450.47	1,267.68	182.79	7.935		
12,229.70	9,360.00	14,825.23	9,360.00	67.10	116.93	-89.721	1,467.57	3,777.21	1,450.47	1,266.48	183.99	7.883		
12,300.00	9,360.00	14,895.53	9,360.00	68.52	118.36	-89.721	1,467.78	3,847.51	1,450.46	1,263.62	186.84	7.763		
12,329.70	9,360.00	14,925.23	9,360.00	69.12	118.97	-89.721	1,467.86	3,877.21	1,450.46	1,262.42	188.05	7.713		
12,400.00	9,360.00	14,995.53	9,360.00	70.54	120.40	-89.721	1,468.07	3,947.51	1,450.46	1,259.56	190.90	7.598		
12,429.70	9,360.00	15,025.23	9,360.00	71.14	121.00	-89.721	1,468.16	3,977.21	1,450.46	1,258.35	192.11	7.550		
12,500.00	9,360.00	15,095.53	9,360.00	72.56	122.44	-89.721	1,468.36	4,047.51	1,450.45	1,255.49	194.96	7.440		
12,529.70	9,360.00	15,125.23	9,360.00	73.16	123.05	-89.721	1,468.45	4,077.21	1,450.45	1,254.28	196.17	7.394		
12,600.00	9,360.00	15,195.53	9,360.00	74.58	124.48	-89.721	1,468.65	4,147.51	1,450.45	1,251.42	199.03	7.288		
12,629.70	9,360.00	15,225.23	9,360.00	75.19	125.09	-89.721	1,468.74	4,177.21	1,450.45	1,250.21	200.24	7.244		
12,700.00	9,360.00	15,295.53	9,360.00	76.61	126.52	-89.721	1,468.95	4,247.51	1,450.44	1,247.34	203.10	7.142		
12,729.70	9,360.00	15,325.23	9,360.00	77.21	127.13	-89.721	1,469.03	4,277.21	1,450.44	1,246.13	204.31	7.099		
12,800.00	9,360.00	15,395.53	9,360.00	78.64	128.57	-89.721	1,469.24	4,347.51	1,450.44	1,243.26	207.17	7.001		
12,829.70	9,360.00	15,425.23	9,360.00	79.24	129.17	-89.721	1,469.33	4,377.21	1,450.43	1,242.05	208.38	6.960		
12,900.00	9,360.00	15,495.53	9,360.00	80.67	130.61	-89.721	1,469.53	4,447.51	1,450.43	1,239.18	211.25	6.866		
12,929.70	9,360.00	15,525.23	9,360.00	81.28	131.22	-89.721	1,469.62	4,477.21	1,450.43	1,237.97	212.46	6.827		
13,000.00	9,360.00	15,595.53	9,360.00	82.71	132.65	-89.721	1,469.82	4,547.51	1,450.43	1,235.10	215.33	6.736		
13,029.70	9,360.00	15,625.23	9,360.00	83.31	133.26	-89.721	1,469.91	4,577.21	1,450.42	1,233.89	216.54	6.698		
13,100.00	9,360.00	15,695.53	9,360.00	84.74	134.70	-89.721	1,470.12	4,647.51	1,450.42	1,231.01	219.41	6.611		
13,129.70	9,360.00	15,725.23	9,360.00	85.35	135.31	-89.721	1,470.20	4,677.21	1,450.42	1,229.80	220.62	6.574		
13,200.00	9,360.00	15,795.53	9,360.00	86.78	136.75	-89.721	1,470.41	4,747.51	1,450.41	1,226.92	223.49	6.490		
13,229.70	9,360.00	15,825.23	9,360.00	87.38	137.35	-89.721	1,470.50	4,777.21	1,450.41	1,225.71	224.70	6.455		
13,300.00	9,360.00	15,895.53	9,360.00	88.82	138.79	-89.721	1,470.70	4,847.51	1,450.41	1,222.83	227.58	6.373		
13,329.70	9,360.00	15,925.23	9,360.00	89.42	139.40	-89.721	1,470.79	4,877.21	1,450.41	1,221.62	228.79	6.339		
13,400.00	9,360.00	15,995.53	9,360.00	90.86	140.84	-89.721	1,470.99	4,947.51	1,450.40	1,218.74	231.66	6.261		
13,429.70	9,360.00	16,025.23	9,360.00	91.46	141.45	-89.721	1,471.08	4,977.21	1,450.40	1,217.52	232.88	6.228		
13,500.00	9,360.00	16,095.53	9,360.00	92.90	142.89	-89.721	1,471.29	5,047.51	1,450.40	1,214.64	235.75	6.152		
13,529.70	9,360.00	16,125.23	9,360.00	93.50	143.50	-89.721	1,471.37	5,077.21	1,450.40	1,213.43	236.97	6.121		
13,600.00	9,360.00	16,195.53	9,360.00	94.94	144.94	-89.721	1,471.58	5,147.51	1,450.39	1,210.55	239.84	6.047		
13,629.70	9,360.00	16,225.23	9,360.00	95.55	145.55	-89.721	1,471.67	5,177.21	1,450.39	1,209.33	241.06	6.017		
13,700.00	9,360.00	16,295.53	9,360.00	96.98	146.99	-89.721	1,471.87	5,247.50	1,450.39	1,206.45	243.94	5.946		
13,729.70	9,360.00	16,325.23	9,360.00	97.59	147.60	-89.721	1,471.96	5,277.20	1,450.38	1,205.23	245.15	5.916		
13,800.00	9,360.00	16,395.53	9,360.00	99.03	149.04	-89.721	1,472.16	5,347.50	1,450.38	1,202.35	248.03	5.848		
13,829.70	9,360.00	16,425.23	9,360.00	99.63	149.65	-89.721	1,472.25	5,377.20	1,450.38	1,201.13	249.25	5.819		
13,900.00	9,360.00	16,495.53	9,360.00	101.07	151.09	-89.721	1,472.46	5,447.50	1,450.37	1,198.25	252.13	5.753		
13,929.70	9,360.00	16,525.23	9,360.00	101.68	151.70	-89.721	1,472.54	5,477.20	1,450.37	1,197.03	253.35	5.725		
14,000.00	9,360.00	16,595.53	9,360.00	103.12	153.14	-89.721	1,472.75	5,547.50	1,450.37	1,194.14	256.23	5.661		
14,029.70	9,360.00	16,625.23	9,360.00	103.73	153.75	-89.721	1,472.84	5,577.20	1,450.37	1,192.92	257.44	5.634		
14,100.00	9,360.00	16,695.53	9,360.00	105.17	155.19	-89.721	1,473.04	5,647.50	1,450.36	1,190.04	260.33	5.571		
14,129.70	9,360.00	16,725.23	9,360.00	105.77	155.80	-89.721	1,473.13	5,677.20	1,450.36	1,188.82	261.54	5.545		
14,200.00	9,360.00	16,795.53	9,360.00	107.21	157.24	-89.721	1,473.33	5,747.50	1,450.36	1,185.93	264.43	5.485		
14,229.70	9,360.00	16,825.23	9,360.00	107.82	157.85	-89.721	1,473.42	5,777.20	1,450.36	1,184.71	265.64	5.460		
14,300.00	9,360.00	16,895.53	9,360.00	109.26	159.30	-89.721	1,473.63	5,847.50	1,450.35	1,181.82	268.53	5.401		
14,329.70	9,360.00	16,925.23	9,360.00	109.87	159.91	-89.721	1,473.71	5,877.20	1,450.35	1,180.60	269.75	5.377		
14,400.00	9,360.00	16,995.53	9,360.00	111.31	161.35	-89.721	1,473.92	5,947.50	1,450.35	1,177.72	272.63	5.320		
14,429.70	9,360.00	17,025.23	9,360.00	111.92	161.96	-89.721	1,474.01	5,977.20	1,450.34	1,176.49	273.85	5.296		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N-S (usft)	Centre +E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,500.00	9,360.00	17,095.53	9,360.00	113.36	163.40	-89.721	1,474.21	6,047.50	1,450.34	1,173.61	276.73	5.241		
14,529.70	9,360.00	17,125.23	9,360.00	113.97	164.01	-89.721	1,474.30	6,077.20	1,450.34	1,172.38	277.95	5.218		
14,600.00	9,360.00	17,195.53	9,360.00	115.42	165.46	-89.721	1,474.50	6,147.50	1,450.33	1,169.49	280.84	5.164		
14,629.70	9,360.00	17,225.23	9,360.00	116.02	166.07	-89.721	1,474.59	6,177.20	1,450.33	1,168.27	282.06	5.142		
14,700.00	9,360.00	17,295.53	9,360.00	117.47	167.51	-89.721	1,474.80	6,247.50	1,450.33	1,165.38	284.95	5.090		
14,729.70	9,360.00	17,325.23	9,360.00	118.08	168.12	-89.721	1,474.88	6,277.20	1,450.33	1,164.16	286.17	5.068		
14,800.00	9,360.00	17,395.53	9,360.00	119.52	169.56	-89.721	1,475.09	6,347.50	1,450.32	1,161.27	289.05	5.017		
14,829.70	9,360.00	17,425.23	9,360.00	120.13	170.17	-89.721	1,475.18	6,377.20	1,450.32	1,160.05	290.27	4.996		
14,900.00	9,360.00	17,495.53	9,360.00	121.57	171.62	-89.721	1,475.38	6,447.50	1,450.32	1,157.16	293.16	4.947		
14,929.70	9,360.00	17,525.23	9,360.00	122.18	172.23	-89.721	1,475.47	6,477.20	1,450.32	1,155.93	294.38	4.927		
15,000.00	9,360.00	17,595.53	9,360.00	123.63	173.67	-89.721	1,475.67	6,547.50	1,450.31	1,153.04	297.27	4.879		
15,029.70	9,360.00	17,625.23	9,360.00	124.24	174.29	-89.721	1,475.76	6,577.20	1,450.31	1,151.82	298.49	4.859		
15,100.00	9,360.00	17,695.53	9,360.00	125.68	175.73	-89.721	1,475.97	6,647.50	1,450.31	1,148.93	301.38	4.812		
15,129.70	9,360.00	17,725.23	9,360.00	126.29	176.34	-89.721	1,476.05	6,677.20	1,450.30	1,147.70	302.60	4.793		
15,200.00	9,360.00	17,795.53	9,360.00	127.74	177.79	-89.721	1,476.26	6,747.50	1,450.30	1,144.81	305.49	4.747		
15,229.70	9,360.00	17,825.23	9,360.00	128.35	178.40	-89.721	1,476.35	6,777.20	1,450.30	1,143.59	306.71	4.729		
15,300.00	9,360.00	17,895.53	9,360.00	129.79	179.84	-89.721	1,476.55	6,847.50	1,450.30	1,140.69	309.60	4.684		
15,329.70	9,360.00	17,925.23	9,360.00	130.40	180.45	-89.721	1,476.64	6,877.20	1,450.29	1,139.47	310.83	4.666		
15,400.00	9,360.00	17,995.53	9,360.00	131.85	181.90	-89.721	1,476.84	6,947.50	1,450.29	1,136.57	313.72	4.623		
15,429.70	9,360.00	18,025.23	9,360.00	132.46	182.51	-89.721	1,476.93	6,977.20	1,450.29	1,135.35	314.94	4.605		
15,500.00	9,360.00	18,095.53	9,360.00	133.90	183.96	-89.721	1,477.14	7,047.50	1,450.28	1,132.45	317.83	4.563		
15,529.70	9,360.00	18,125.23	9,360.00	134.51	184.57	-89.721	1,477.22	7,077.20	1,450.28	1,131.23	319.05	4.546		
15,600.00	9,360.00	18,195.53	9,360.00	135.96	186.01	-89.721	1,477.43	7,147.50	1,450.28	1,128.33	321.94	4.505		
15,629.70	9,360.00	18,225.23	9,360.00	136.57	186.63	-89.721	1,477.52	7,177.20	1,450.28	1,127.11	323.17	4.488		
15,700.00	9,360.00	18,295.53	9,360.00	138.02	188.07	-89.721	1,477.72	7,247.50	1,450.27	1,124.21	326.06	4.448		
15,729.70	9,360.00	18,325.23	9,360.00	138.63	188.68	-89.721	1,477.81	7,277.20	1,450.27	1,122.99	327.28	4.431		
15,800.00	9,360.00	18,395.53	9,360.00	140.07	190.13	-89.721	1,478.02	7,347.50	1,450.27	1,120.09	330.17	4.392		
15,829.70	9,360.00	18,425.23	9,360.00	140.68	190.74	-89.721	1,478.10	7,377.20	1,450.27	1,118.87	331.40	4.376		
15,900.00	9,360.00	18,495.53	9,360.00	142.13	192.19	-89.721	1,478.31	7,447.50	1,450.26	1,115.97	334.29	4.338		
15,929.70	9,360.00	18,525.23	9,360.00	142.74	192.80	-89.721	1,478.39	7,477.20	1,450.26	1,114.75	335.51	4.323		
16,000.00	9,360.00	18,595.53	9,360.00	144.19	194.25	-89.721	1,478.60	7,547.49	1,450.26	1,111.85	338.41	4.286		
16,029.70	9,360.00	18,625.23	9,360.00	144.80	194.86	-89.721	1,478.69	7,577.20	1,450.25	1,110.63	339.63	4.270		
16,100.00	9,360.00	18,695.53	9,360.00	146.25	196.30	-89.721	1,478.89	7,647.49	1,450.25	1,107.73	342.52	4.234		
16,129.70	9,360.00	18,725.23	9,360.00	146.86	196.92	-89.721	1,478.98	7,677.19	1,450.25	1,106.50	343.75	4.219		
16,200.00	9,360.00	18,795.53	9,360.00	148.31	198.36	-89.721	1,479.19	7,747.49	1,450.24	1,103.60	346.64	4.184		
16,229.70	9,360.00	18,825.23	9,360.00	148.92	198.97	-89.721	1,479.27	7,777.19	1,450.24	1,102.38	347.86	4.169		
16,300.00	9,360.00	18,895.53	9,360.00	150.37	200.42	-89.721	1,479.48	7,847.49	1,450.24	1,099.48	350.76	4.135		
16,329.70	9,360.00	18,925.23	9,360.00	150.98	201.03	-89.721	1,479.56	7,877.19	1,450.24	1,098.26	351.98	4.120		
16,400.00	9,360.00	18,995.53	9,360.00	152.42	202.48	-89.721	1,479.77	7,947.49	1,450.23	1,095.36	354.88	4.087		
16,429.70	9,360.00	19,025.23	9,360.00	153.04	203.09	-89.721	1,479.86	7,977.19	1,450.23	1,094.13	356.10	4.073		
16,500.00	9,360.00	19,095.53	9,360.00	154.48	204.54	-89.721	1,480.06	8,047.49	1,450.23	1,091.23	359.00	4.040		
16,529.70	9,360.00	19,125.23	9,360.00	155.10	205.15	-89.721	1,480.15	8,077.19	1,450.23	1,090.01	360.22	4.026		
16,600.00	9,360.00	19,195.53	9,360.00	156.54	206.60	-89.721	1,480.36	8,147.49	1,450.22	1,087.11	363.12	3.994		
16,629.70	9,360.00	19,225.23	9,360.00	157.16	207.21	-89.721	1,480.44	8,177.19	1,450.22	1,085.88	364.34	3.980		
16,700.00	9,360.00	19,295.53	9,360.00	158.60	208.66	-89.721	1,480.65	8,247.49	1,450.22	1,082.98	367.24	3.949		
16,729.70	9,360.00	19,325.23	9,360.00	159.22	209.27	-89.721	1,480.74	8,277.19	1,450.21	1,081.76	368.46	3.936		
16,800.00	9,360.00	19,395.53	9,360.00	160.66	210.72	-89.721	1,480.94	8,347.49	1,450.21	1,078.85	371.36	3.905		
16,829.70	9,360.00	19,425.23	9,360.00	161.28	211.33	-89.721	1,481.03	8,377.19	1,450.21	1,077.63	372.58	3.892		
16,900.00	9,360.00	19,495.53	9,360.00	162.73	212.78	-89.721	1,481.23	8,447.49	1,450.20	1,074.73	375.48	3.862		
16,929.70	9,360.00	19,525.23	9,360.00	163.34	213.39	-89.721	1,481.32	8,477.19	1,450.20	1,073.50	376.70	3.850		
17,000.00	9,360.00	19,595.53	9,360.00	164.79	214.84	-89.721	1,481.53	8,547.49	1,450.20	1,070.60	379.60	3.820		
17,029.70	9,360.00	19,625.23	9,360.00	165.40	215.45	-89.721	1,481.61	8,577.19	1,450.20	1,069.38	380.82	3.808		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,100.00	9,360.00	19,695.53	9,360.00	166.85	216.90	-89.721	1,481.82	8,647.49	1,450.19	1,066.47	383.72	3.779		
17,129.70	9,360.00	19,725.23	9,360.00	167.46	217.51	-89.721	1,481.91	8,677.19	1,450.19	1,065.25	384.94	3.767		
17,200.00	9,360.00	19,795.53	9,360.00	168.91	218.96	-89.721	1,482.11	8,747.49	1,450.19	1,062.35	387.84	3.739		
17,229.70	9,360.00	19,825.23	9,360.00	169.52	219.57	-89.721	1,482.20	8,777.19	1,450.19	1,061.12	389.07	3.727		
17,300.00	9,360.00	19,895.53	9,360.00	170.97	221.02	-89.721	1,482.40	8,847.49	1,450.18	1,058.22	391.96	3.700		
17,329.70	9,360.00	19,925.23	9,360.00	171.58	221.64	-89.721	1,482.49	8,877.19	1,450.18	1,056.99	393.19	3.688		
17,400.00	9,360.00	19,995.53	9,360.00	173.03	223.08	-89.721	1,482.70	8,947.49	1,450.18	1,054.09	396.09	3.661		
17,429.70	9,360.00	20,025.23	9,360.00	173.64	223.70	-89.721	1,482.78	8,977.19	1,450.17	1,052.86	397.31	3.650		
17,500.00	9,360.00	20,095.53	9,360.00	175.09	225.15	-89.721	1,482.99	9,047.49	1,450.17	1,049.96	400.21	3.624		
17,529.70	9,360.00	20,125.23	9,360.00	175.71	225.76	-89.721	1,483.08	9,077.19	1,450.17	1,048.73	401.44	3.612		
17,600.00	9,360.00	20,195.53	9,360.00	177.16	227.21	-89.721	1,483.28	9,147.49	1,450.17	1,045.83	404.33	3.587		
17,629.70	9,360.00	20,225.23	9,360.00	177.77	227.82	-89.721	1,483.37	9,177.19	1,450.16	1,044.60	405.56	3.576		
17,700.00	9,360.00	20,295.53	9,360.00	179.22	229.27	-89.721	1,483.57	9,247.49	1,450.16	1,041.70	408.46	3.550		
17,729.70	9,360.00	20,325.23	9,360.00	179.83	229.88	-89.721	1,483.66	9,277.19	1,450.16	1,040.47	409.68	3.540		
17,800.00	9,360.00	20,395.53	9,360.00	181.28	231.33	-89.721	1,483.87	9,347.49	1,450.15	1,037.57	412.58	3.515		
17,829.70	9,360.00	20,425.23	9,360.00	181.89	231.94	-89.721	1,483.95	9,377.19	1,450.15	1,036.34	413.81	3.504		
17,900.00	9,360.00	20,495.53	9,360.00	183.34	233.39	-89.721	1,484.16	9,447.49	1,450.15	1,033.44	416.71	3.480		
17,929.70	9,360.00	20,525.23	9,360.00	183.96	234.01	-89.721	1,484.25	9,477.19	1,450.15	1,032.21	417.93	3.470		
18,000.00	9,360.00	20,595.53	9,360.00	185.41	235.46	-89.721	1,484.45	9,547.49	1,450.14	1,029.31	420.83	3.446		
18,029.70	9,360.00	20,625.23	9,360.00	186.02	236.07	-89.721	1,484.54	9,577.19	1,450.14	1,028.08	422.06	3.436		
18,100.00	9,360.00	20,695.53	9,360.00	187.47	237.52	-89.721	1,484.74	9,647.49	1,450.14	1,025.18	424.96	3.412		
18,129.70	9,360.00	20,725.23	9,360.00	188.08	238.13	-89.721	1,484.83	9,677.19	1,450.14	1,023.95	426.18	3.403		
18,200.00	9,360.00	20,795.53	9,360.00	189.53	239.58	-89.721	1,485.04	9,747.49	1,450.13	1,021.05	429.08	3.380		
18,229.70	9,360.00	20,825.23	9,360.00	190.14	240.19	-89.721	1,485.12	9,777.19	1,450.13	1,019.82	430.31	3.370		
18,300.00	9,360.00	20,895.53	9,360.00	191.59	241.64	-89.721	1,485.33	9,847.49	1,450.13	1,016.92	433.21	3.347		
18,329.70	9,360.00	20,925.23	9,360.00	192.21	242.25	-89.721	1,485.42	9,877.19	1,450.12	1,015.69	434.43	3.338		
18,400.00	9,360.00	20,995.53	9,360.00	193.66	243.70	-89.721	1,485.62	9,947.48	1,450.12	1,012.79	437.33	3.316		
18,429.70	9,360.00	21,025.23	9,360.00	194.27	244.32	-89.721	1,485.71	9,977.18	1,450.12	1,011.56	438.56	3.307		
18,500.00	9,360.00	21,095.53	9,360.00	195.72	245.77	-89.721	1,485.91	10,047.48	1,450.11	1,008.65	441.46	3.285		
18,529.70	9,360.00	21,125.23	9,360.00	196.33	246.38	-89.721	1,486.00	10,077.18	1,450.11	1,007.43	442.69	3.276		
18,600.00	9,360.00	21,195.53	9,360.00	197.78	247.83	-89.721	1,486.21	10,147.48	1,450.11	1,004.52	445.59	3.254		
18,629.70	9,360.00	21,225.23	9,360.00	198.40	248.44	-89.721	1,486.29	10,177.18	1,450.11	1,003.29	446.81	3.245		
18,700.00	9,360.00	21,295.53	9,360.00	199.85	249.89	-89.721	1,486.50	10,247.48	1,450.10	1,000.39	449.71	3.225		
18,729.70	9,360.00	21,325.23	9,360.00	200.46	250.51	-89.721	1,486.59	10,277.18	1,450.10	999.16	450.94	3.216		
18,800.00	9,360.00	21,395.53	9,360.00	201.91	251.96	-89.721	1,486.79	10,347.48	1,450.10	996.26	453.84	3.195		
18,829.70	9,360.00	21,425.23	9,360.00	202.53	252.57	-89.721	1,486.88	10,377.18	1,450.10	995.03	455.07	3.187		
18,900.00	9,360.00	21,495.53	9,360.00	203.98	254.02	-89.721	1,487.08	10,447.48	1,450.09	992.12	457.97	3.166		
18,929.70	9,360.00	21,525.23	9,360.00	204.59	254.63	-89.721	1,487.17	10,477.18	1,450.09	990.90	459.19	3.158		
19,000.00	9,360.00	21,595.53	9,360.00	206.04	256.08	-89.721	1,487.38	10,547.48	1,450.09	987.99	462.09	3.138		
19,029.70	9,360.00	21,625.23	9,360.00	206.65	256.70	-89.721	1,487.46	10,577.18	1,450.08	986.76	463.32	3.130		
19,100.00	9,360.00	21,695.53	9,360.00	208.10	258.15	-89.721	1,487.67	10,647.48	1,450.08	983.86	466.22	3.110		
19,129.70	9,360.00	21,725.23	9,360.00	208.72	258.76	-89.721	1,487.76	10,677.18	1,450.08	982.63	467.45	3.102		
19,200.00	9,360.00	21,795.53	9,360.00	210.17	260.21	-89.721	1,487.96	10,747.48	1,450.07	979.72	470.35	3.083		
19,229.70	9,360.00	21,825.23	9,360.00	210.78	260.82	-89.721	1,488.05	10,777.18	1,450.07	978.50	471.58	3.075		
19,300.00	9,360.00	21,895.53	9,360.00	212.23	262.27	-89.721	1,488.25	10,847.48	1,450.07	975.59	474.48	3.056		
19,329.70	9,360.00	21,925.23	9,360.00	212.85	262.89	-89.721	1,488.34	10,877.18	1,450.07	974.36	475.70	3.048		
19,400.00	9,360.00	21,995.53	9,360.00	214.30	264.34	-89.721	1,488.55	10,947.48	1,450.06	971.46	478.61	3.030		
19,429.70	9,360.00	22,025.23	9,360.00	214.91	264.95	-89.721	1,488.63	10,977.18	1,450.06	970.23	479.83	3.022		
19,500.00	9,360.00	22,095.53	9,360.00	216.36	266.40	-89.721	1,488.84	11,047.48	1,450.06	967.32	482.73	3.004		
19,529.70	9,360.00	22,125.23	9,360.00	216.98	267.01	-89.721	1,488.93	11,077.18	1,450.06	966.09	483.96	2.996		
19,600.00	9,360.00	22,195.53	9,360.00	218.43	268.46	-89.721	1,489.13	11,147.48	1,450.05	963.19	486.86	2.978		
19,629.70	9,360.00	22,225.23	9,360.00	219.04	269.08	-89.721	1,489.22	11,177.18	1,450.05	961.96	488.09	2.971		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 1 - (01) Bond 32-34 FED COM 205H - 205H - Plan 2												Offset Site Error:	0.00 usft		
Survey Program:	0-MWD+IFR1											Rule Assigned:	Offset Well Error:	0.00 usft	
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,700.00	9,360.00	22,295.53	9,360.00	220.49	270.53	-89.721	1,489.42	11,247.48	1,450.05	959.05	490.99	2.953			
19,729.70	9,360.00	22,325.23	9,360.00	221.10	271.14	-89.721	1,489.51	11,277.18	1,450.04	957.83	492.22	2.946			
19,800.00	9,360.00	22,395.53	9,360.00	222.56	272.59	-89.721	1,489.72	11,347.48	1,450.04	954.92	495.12	2.929			
19,829.70	9,360.00	22,425.23	9,360.00	223.17	273.21	-89.721	1,489.80	11,377.18	1,450.04	953.69	496.35	2.921			
19,900.00	9,360.00	22,495.53	9,360.00	224.62	274.66	-89.721	1,490.01	11,447.48	1,450.04	950.78	499.25	2.904			
19,929.70	9,360.00	22,525.23	9,360.00	225.23	275.27	-89.721	1,490.10	11,477.18	1,450.03	949.56	500.48	2.897			
20,000.00	9,360.00	22,595.53	9,360.00	226.69	276.72	-89.721	1,490.30	11,547.48	1,450.03	946.65	503.38	2.881			
20,029.70	9,360.00	22,625.23	9,360.00	227.30	277.33	-89.721	1,490.39	11,577.18	1,450.03	945.42	504.61	2.874			
20,100.00	9,360.00	22,695.53	9,360.00	228.75	278.79	-89.721	1,490.60	11,647.48	1,450.02	942.51	507.51	2.857			
20,129.70	9,360.00	22,725.23	9,360.00	229.37	279.40	-89.721	1,490.68	11,677.18	1,450.02	941.29	508.74	2.850			
20,176.24	9,360.00	22,771.47	9,360.00	230.33	280.35	-89.721	1,490.82	11,723.41	1,450.02	939.37	510.65	2.840 CC			
20,181.28	9,360.00	22,771.47	9,360.00	230.43	280.35	-89.721	1,490.82	11,723.41	1,450.03	939.28	510.75	2.839 ES, SF			

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (%)	Offset Wellbore Centre		Rule Assigned:				
7,100.00	7,018.38	10,825.42	8,418.00	19.87	57.33	-94.704	1,528.65	729.60	2,063.13	2,000.30	62.83	32.836		
7,200.00	7,118.05	10,833.51	8,418.00	20.25	57.48	-92.646	1,528.68	737.69	1,997.08	1,933.02	64.06	31.177		
7,300.00	7,217.94	10,838.12	8,418.00	20.58	57.57	-90.838	1,528.69	742.30	1,933.79	1,868.57	65.23	29.648		
7,400.00	7,317.93	10,839.30	8,418.00	20.72	57.59	-0.168	1,528.69	743.48	1,873.67	1,807.35	66.31	28.255		
7,500.00	7,417.93	10,839.30	8,418.00	20.78	57.59	-0.168	1,528.69	743.48	1,817.05	1,749.68	67.38	26.969		
7,600.00	7,517.93	10,839.30	8,418.00	20.82	57.59	-0.168	1,528.69	743.48	1,764.30	1,695.91	68.39	25.798		
7,700.00	7,617.93	10,839.30	8,418.00	20.87	57.59	-0.168	1,528.69	743.48	1,715.75	1,646.42	69.34	24.744		
7,800.00	7,717.93	10,839.30	8,418.00	20.92	57.59	-0.168	1,528.69	743.48	1,671.79	1,601.58	70.21	23.813		
7,900.00	7,817.93	10,839.30	8,418.00	20.97	57.59	-0.168	1,528.69	743.48	1,632.77	1,561.81	70.96	23.009		
8,000.00	7,917.93	10,839.30	8,418.00	21.01	57.59	-0.168	1,528.69	743.48	1,599.06	1,527.47	71.59	22.337		
8,100.00	8,017.93	10,839.30	8,418.00	21.06	57.59	-0.168	1,528.69	743.48	1,571.01	1,498.95	72.06	21.802		
8,200.00	8,117.93	10,839.30	8,418.00	21.11	57.59	-0.168	1,528.69	743.48	1,548.91	1,476.56	72.35	21.408		
8,300.00	8,217.93	10,839.30	8,418.00	21.16	57.59	-0.168	1,528.69	743.48	1,533.03	1,460.58	72.45	21.159		
8,400.00	8,317.93	10,839.30	8,418.00	21.21	57.59	-0.168	1,528.69	743.48	1,523.57	1,451.21	72.35	21.057		
8,494.68	8,412.61	10,839.30	8,418.00	21.25	57.59	-0.168	1,528.69	743.48	1,520.62	1,448.55	72.08	21.097 CC		
8,500.00	8,417.93	10,839.30	8,418.00	21.26	57.59	-0.168	1,528.69	743.48	1,520.63	1,448.58	72.06	21.104		
8,600.00	8,517.93	10,839.30	8,418.00	21.31	57.59	-0.168	1,528.69	743.48	1,524.26	1,452.70	71.56	21.299		
8,700.00	8,617.93	10,839.30	8,418.00	21.35	57.59	-0.168	1,528.69	743.48	1,534.42	1,463.53	70.89	21.644		
8,800.00	8,717.93	10,839.30	8,418.00	21.40	57.59	-0.168	1,528.69	743.48	1,550.97	1,480.90	70.07	22.134		
8,900.00	8,817.91	10,840.13	8,418.00	21.48	57.61	-89.174	1,528.70	744.31	1,573.71	1,504.58	69.13	22.763		
9,000.00	8,916.79	10,854.18	8,418.00	21.94	57.87	-85.703	1,528.74	758.36	1,602.03	1,533.64	68.39	23.426		
9,100.00	9,011.73	10,885.19	8,418.00	22.47	58.46	-81.214	1,528.83	789.37	1,634.39	1,566.37	68.02	24.029		
9,200.00	9,099.84	10,932.21	8,418.00	23.01	59.35	-76.138	1,528.97	836.39	1,668.70	1,600.63	68.07	24.516		
9,300.00	9,178.45	10,993.82	8,418.00	23.52	60.52	-71.012	1,529.15	898.00	1,702.58	1,634.01	68.57	24.830		
9,400.00	9,245.16	11,068.15	8,418.00	23.97	61.94	-66.356	1,529.36	972.33	1,733.61	1,664.06	69.55	24.927		
9,500.00	9,297.95	11,152.93	8,418.00	24.35	63.57	-62.561	1,529.61	1,057.11	1,759.56	1,688.56	71.01	24.780		
9,600.00	9,335.22	11,245.58	8,418.00	24.62	65.35	-59.864	1,529.88	1,149.76	1,778.60	1,705.67	72.94	24.385		
9,700.00	9,355.84	11,343.31	8,418.00	24.78	67.24	-58.375	1,530.17	1,247.49	1,789.38	1,714.07	75.31	23.759		
9,722.08	9,358.20	11,365.25	8,418.00	24.79	67.67	-58.238	1,530.23	1,269.43	1,790.63	1,714.74	75.89	23.595		
9,800.00	9,360.00	11,443.14	8,418.00	24.83	69.18	-58.075	1,530.46	1,347.32	1,791.57	1,713.52	78.05	22.954		
9,900.00	9,360.00	11,543.14	8,418.00	24.86	71.13	-58.075	1,530.75	1,447.32	1,791.57	1,710.62	80.95	22.133		
9,929.37	9,360.00	11,572.51	8,418.00	24.87	71.70	-58.075	1,530.84	1,476.69	1,791.57	1,709.75	81.82	21.897		
10,000.00	9,360.00	11,643.14	8,418.00	24.94	73.09	-58.075	1,531.05	1,547.32	1,791.56	1,707.64	83.93	21.347		
10,029.37	9,360.00	11,672.51	8,418.00	25.13	73.66	-58.075	1,531.13	1,576.69	1,791.56	1,706.74	84.82	21.122		
10,100.00	9,360.00	11,743.14	8,418.00	26.19	75.05	-58.075	1,531.34	1,647.32	1,791.56	1,704.58	86.98	20.598		
10,129.37	9,360.00	11,772.51	8,418.00	26.69	75.63	-58.075	1,531.42	1,676.69	1,791.56	1,703.67	87.89	20.384		
10,200.00	9,360.00	11,843.14	8,418.00	27.89	77.02	-58.075	1,531.63	1,747.32	1,791.55	1,701.46	90.09	19.886		
10,229.37	9,360.00	11,872.51	8,418.00	28.40	77.60	-58.075	1,531.72	1,776.69	1,791.55	1,700.53	91.02	19.683		
10,300.00	9,360.00	11,943.14	8,418.00	29.64	78.99	-58.075	1,531.92	1,847.32	1,791.55	1,698.29	93.26	19.211		
10,329.37	9,360.00	11,972.51	8,418.00	30.16	79.57	-58.075	1,532.01	1,876.69	1,791.55	1,697.35	94.20	19.019		
10,400.00	9,360.00	12,043.14	8,418.00	31.43	80.97	-58.075	1,532.22	1,947.32	1,791.54	1,695.08	96.47	18.572		
10,429.37	9,360.00	12,072.51	8,418.00	31.96	81.55	-58.075	1,532.30	1,976.68	1,791.54	1,694.12	97.42	18.390		
10,500.00	9,360.00	12,143.14	8,418.00	33.25	82.95	-58.075	1,532.51	2,047.31	1,791.54	1,691.82	99.72	17.967		
10,529.37	9,360.00	12,172.51	8,418.00	33.79	83.53	-58.075	1,532.59	2,076.68	1,791.54	1,690.86	100.68	17.795		
10,600.00	9,360.00	12,243.14	8,418.00	35.10	84.93	-58.075	1,532.80	2,147.31	1,791.53	1,688.54	103.00	17.394		
10,629.37	9,360.00	12,272.51	8,418.00	35.65	85.52	-58.075	1,532.89	2,176.68	1,791.53	1,687.56	103.97	17.231		
10,700.00	9,360.00	12,343.14	8,418.00	36.98	86.93	-58.074	1,533.09	2,247.31	1,791.53	1,685.22	106.31	16.852		
10,729.37	9,360.00	12,372.51	8,418.00	37.53	87.51	-58.074	1,533.18	2,276.68	1,791.53	1,684.24	107.29	16.698		
10,800.00	9,360.00	12,443.14	8,418.00	38.87	88.92	-58.074	1,533.39	2,347.31	1,791.52	1,681.88	109.65	16.339		
10,829.37	9,360.00	12,472.51	8,418.00	39.43	89.51	-58.074	1,533.47	2,376.68	1,791.52	1,680.89	110.63	16.193		
10,900.00	9,360.00	12,543.14	8,418.00	40.78	90.92	-58.074	1,533.68	2,447.31	1,791.52	1,678.51	113.01	15.853		
10,929.37	9,360.00	12,572.51	8,418.00	41.35	91.50	-58.074	1,533.76	2,476.68	1,791.52	1,677.52	114.00	15.715		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre			Rule Assigned:			
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,000.00	9,360.00	12,643.14	8,418.00	42.71	92.92	-58.074	1,533.97	2,547.31	1,791.51	1,675.13	116.39	15.393		
11,029.37	9,360.00	12,672.51	8,418.00	43.28	93.50	-58.074	1,534.06	2,576.68	1,791.51	1,674.13	117.38	15.262		
11,100.00	9,360.00	12,743.14	8,418.00	44.65	94.92	-58.074	1,534.26	2,647.31	1,791.51	1,671.73	119.78	14.956		
11,129.37	9,360.00	12,772.51	8,418.00	45.22	95.51	-58.074	1,534.35	2,676.68	1,791.51	1,670.72	120.79	14.832		
11,200.00	9,360.00	12,843.14	8,418.00	46.60	96.93	-58.074	1,534.56	2,747.31	1,791.51	1,668.31	123.20	14.542		
11,229.37	9,360.00	12,872.51	8,418.00	47.17	97.52	-58.074	1,534.64	2,776.68	1,791.50	1,667.30	124.20	14.424		
11,300.00	9,360.00	12,943.14	8,418.00	48.56	98.94	-58.074	1,534.85	2,847.31	1,791.50	1,664.88	126.62	14.148		
11,329.37	9,360.00	12,972.51	8,418.00	49.14	99.53	-58.074	1,534.93	2,876.68	1,791.50	1,663.87	127.63	14.036		
11,400.00	9,360.00	13,043.14	8,418.00	50.53	100.95	-58.074	1,535.14	2,947.31	1,791.50	1,661.43	130.06	13.774		
11,429.37	9,360.00	13,072.51	8,418.00	51.11	101.54	-58.074	1,535.23	2,976.68	1,791.49	1,660.42	131.08	13.668		
11,500.00	9,360.00	13,143.14	8,418.00	52.50	102.96	-58.074	1,535.43	3,047.31	1,791.49	1,657.98	133.51	13.418		
11,529.37	9,360.00	13,172.51	8,418.00	53.09	103.55	-58.074	1,535.52	3,076.68	1,791.49	1,656.96	134.53	13.317		
11,600.00	9,360.00	13,243.14	8,418.00	54.49	104.98	-58.074	1,535.72	3,147.31	1,791.49	1,654.51	136.97	13.079		
11,629.37	9,360.00	13,272.51	8,418.00	55.07	105.57	-58.074	1,535.81	3,176.68	1,791.48	1,653.49	137.99	12.982		
11,700.00	9,360.00	13,343.14	8,418.00	56.48	106.99	-58.074	1,536.02	3,247.31	1,791.48	1,651.04	140.45	12.756		
11,729.37	9,360.00	13,372.51	8,418.00	57.06	107.59	-58.073	1,536.10	3,276.68	1,791.48	1,650.01	141.47	12.664		
11,800.00	9,360.00	13,443.14	8,418.00	58.47	109.01	-58.073	1,536.31	3,347.31	1,791.48	1,647.55	143.92	12.447		
11,829.37	9,360.00	13,472.51	8,418.00	59.06	109.61	-58.073	1,536.40	3,376.68	1,791.47	1,646.53	144.95	12.359		
11,900.00	9,360.00	13,543.14	8,418.00	60.47	111.04	-58.073	1,536.60	3,447.31	1,791.47	1,644.06	147.41	12.153		
11,929.37	9,360.00	13,572.51	8,418.00	61.06	111.63	-58.073	1,536.69	3,476.68	1,791.47	1,643.03	148.44	12.069		
12,000.00	9,360.00	13,643.14	8,418.00	62.48	113.06	-58.073	1,536.89	3,547.31	1,791.47	1,640.56	150.90	11.872		
12,029.37	9,360.00	13,672.51	8,418.00	63.07	113.65	-58.073	1,536.98	3,576.68	1,791.46	1,639.53	151.93	11.791		
12,100.00	9,360.00	13,743.14	8,418.00	64.49	115.08	-58.073	1,537.19	3,647.31	1,791.46	1,637.06	154.40	11.602		
12,129.37	9,360.00	13,772.51	8,418.00	65.08	115.68	-58.073	1,537.27	3,676.68	1,791.46	1,636.03	155.43	11.526		
12,200.00	9,360.00	13,843.14	8,418.00	66.50	117.11	-58.073	1,537.48	3,747.31	1,791.46	1,633.55	157.91	11.345		
12,229.37	9,360.00	13,872.51	8,418.00	67.09	117.71	-58.073	1,537.57	3,776.68	1,791.46	1,632.51	158.94	11.271		
12,300.00	9,360.00	13,943.14	8,418.00	68.52	119.14	-58.073	1,537.77	3,847.31	1,791.45	1,630.03	161.42	11.098		
12,329.37	9,360.00	13,972.51	8,418.00	69.11	119.73	-58.073	1,537.86	3,876.68	1,791.45	1,629.00	162.45	11.027		
12,400.00	9,360.00	14,043.14	8,418.00	70.54	121.17	-58.073	1,538.06	3,947.31	1,791.45	1,626.51	164.94	10.861		
12,429.37	9,360.00	14,072.51	8,418.00	71.13	121.76	-58.073	1,538.15	3,976.68	1,791.45	1,625.47	165.97	10.794		
12,500.00	9,360.00	14,143.14	8,418.00	72.56	123.20	-58.073	1,538.36	4,047.31	1,791.44	1,622.98	168.46	10.634		
12,529.37	9,360.00	14,172.51	8,418.00	73.15	123.80	-58.073	1,538.44	4,076.68	1,791.44	1,621.95	169.49	10.569		
12,600.00	9,360.00	14,243.14	8,418.00	74.58	125.23	-58.073	1,538.65	4,147.31	1,791.44	1,619.45	171.98	10.416		
12,629.37	9,360.00	14,272.51	8,418.00	75.18	125.83	-58.073	1,538.74	4,176.68	1,791.44	1,618.41	173.02	10.354		
12,700.00	9,360.00	14,343.14	8,418.00	76.61	127.26	-58.073	1,538.94	4,247.31	1,791.43	1,615.92	175.51	10.207		
12,729.37	9,360.00	14,372.51	8,418.00	77.21	127.86	-58.073	1,539.03	4,276.68	1,791.43	1,614.88	176.55	10.147		
12,800.00	9,360.00	14,443.14	8,418.00	78.64	129.30	-58.072	1,539.23	4,347.30	1,791.43	1,612.38	179.05	10.005		
12,829.37	9,360.00	14,472.51	8,418.00	79.24	129.90	-58.072	1,539.32	4,376.67	1,791.43	1,611.34	180.09	9.948		
12,900.00	9,360.00	14,543.14	8,418.00	80.67	131.33	-58.072	1,539.53	4,447.30	1,791.42	1,608.84	182.59	9.811		
12,929.37	9,360.00	14,572.51	8,418.00	81.27	131.93	-58.072	1,539.61	4,476.67	1,791.42	1,607.80	183.62	9.756		
13,000.00	9,360.00	14,643.14	8,418.00	82.71	133.37	-58.072	1,539.82	4,547.30	1,791.42	1,605.29	186.13	9.625		
13,029.37	9,360.00	14,672.51	8,418.00	83.30	133.97	-58.072	1,539.91	4,576.67	1,791.42	1,604.25	187.17	9.571		
13,100.00	9,360.00	14,743.14	8,418.00	84.74	135.41	-58.072	1,540.11	4,647.30	1,791.41	1,601.74	189.67	9.445		
13,129.37	9,360.00	14,772.51	8,418.00	85.34	136.01	-58.072	1,540.20	4,676.67	1,791.41	1,600.70	190.71	9.393		
13,200.00	9,360.00	14,843.14	8,418.00	86.78	137.45	-58.072	1,540.40	4,747.30	1,791.41	1,598.19	193.22	9.272		
13,229.37	9,360.00	14,872.51	8,418.00	87.38	138.05	-58.072	1,540.49	4,776.67	1,791.41	1,597.15	194.26	9.222		
13,300.00	9,360.00	14,943.14	8,418.00	88.82	139.49	-58.072	1,540.70	4,847.30	1,791.40	1,594.64	196.76	9.104		
13,329.37	9,360.00	14,972.51	8,418.00	89.41	140.09	-58.072	1,540.78	4,876.67	1,791.40	1,593.59	197.81	9.056		
13,400.00	9,360.00	15,043.14	8,418.00	90.86	141.53	-58.072	1,540.99	4,947.30	1,791.40	1,591.08	200.32	8.943		
13,429.37	9,360.00	15,072.51	8,418.00	91.45	142.13	-58.072	1,541.08	4,976.67	1,791.40	1,590.04	201.36	8.897		
13,500.00	9,360.00	15,143.14	8,418.00	92.90	143.57	-58.072	1,541.28	5,047.30	1,791.39	1,587.52	203.87	8.787		
13,529.37	9,360.00	15,172.51	8,418.00	93.50	144.17	-58.072	1,541.37	5,076.67	1,791.39	1,586.48	204.91	8.742		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (%)	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,600.00	9,360.00	15,243.14	8,418.00	94.94	145.61	-58.072	1,541.57	5,147.30	1,791.39	1,583.96	207.43	8.636		
13,629.37	9,360.00	15,272.51	8,418.00	95.54	146.21	-58.072	1,541.66	5,176.67	1,791.39	1,582.92	208.47	8.593		
13,700.00	9,360.00	15,343.14	8,418.00	96.98	147.65	-58.072	1,541.87	5,247.30	1,791.38	1,580.40	210.98	8.491		
13,729.37	9,360.00	15,372.51	8,418.00	97.58	148.25	-58.072	1,541.95	5,276.67	1,791.38	1,579.35	212.03	8.449		
13,800.00	9,360.00	15,443.14	8,418.00	99.03	149.70	-58.071	1,542.16	5,347.30	1,791.38	1,576.83	214.55	8.350		
13,829.37	9,360.00	15,472.51	8,418.00	99.63	150.30	-58.071	1,542.25	5,376.67	1,791.38	1,575.79	215.59	8.309		
13,900.00	9,360.00	15,543.14	8,418.00	101.07	151.74	-58.071	1,542.45	5,447.30	1,791.37	1,573.27	218.11	8.213		
13,929.37	9,360.00	15,572.51	8,418.00	101.67	152.34	-58.071	1,542.54	5,476.67	1,791.37	1,572.22	219.15	8.174		
14,000.00	9,360.00	15,643.14	8,418.00	103.12	153.79	-58.071	1,542.74	5,547.30	1,791.37	1,569.70	221.67	8.081		
14,029.37	9,360.00	15,672.51	8,418.00	103.72	154.39	-58.071	1,542.83	5,576.67	1,791.37	1,568.65	222.72	8.043		
14,100.00	9,360.00	15,743.14	8,418.00	105.17	155.83	-58.071	1,543.04	5,647.30	1,791.36	1,566.13	225.24	7.953		
14,129.37	9,360.00	15,772.51	8,418.00	105.77	156.43	-58.071	1,543.12	5,676.67	1,791.36	1,565.08	226.29	7.916		
14,200.00	9,360.00	15,843.14	8,418.00	107.21	157.88	-58.071	1,543.33	5,747.30	1,791.36	1,562.55	228.81	7.829		
14,229.37	9,360.00	15,872.51	8,418.00	107.82	158.48	-58.071	1,543.42	5,776.67	1,791.36	1,561.50	229.85	7.793		
14,300.00	9,360.00	15,943.14	8,418.00	109.26	159.93	-58.071	1,543.62	5,847.30	1,791.35	1,558.98	232.38	7.709		
14,329.37	9,360.00	15,972.51	8,418.00	109.87	160.53	-58.071	1,543.71	5,876.67	1,791.35	1,557.93	233.42	7.674		
14,400.00	9,360.00	16,043.14	8,418.00	111.31	161.97	-58.071	1,543.91	5,947.30	1,791.35	1,555.40	235.95	7.592		
14,429.37	9,360.00	16,072.51	8,418.00	111.92	162.57	-58.071	1,544.00	5,976.67	1,791.35	1,554.35	236.99	7.559		
14,500.00	9,360.00	16,143.14	8,418.00	113.36	164.02	-58.071	1,544.21	6,047.30	1,791.34	1,551.83	239.52	7.479		
14,529.37	9,360.00	16,172.51	8,418.00	113.97	164.62	-58.071	1,544.29	6,076.67	1,791.34	1,550.78	240.57	7.446		
14,600.00	9,360.00	16,243.14	8,418.00	115.42	166.07	-58.071	1,544.50	6,147.30	1,791.34	1,548.25	243.09	7.369		
14,629.37	9,360.00	16,272.51	8,418.00	116.02	166.67	-58.071	1,544.59	6,176.67	1,791.34	1,547.20	244.14	7.337		
14,700.00	9,360.00	16,343.14	8,418.00	117.47	168.12	-58.071	1,544.79	6,247.30	1,791.33	1,544.67	246.67	7.262		
14,729.37	9,360.00	16,372.51	8,418.00	118.07	168.72	-58.071	1,544.88	6,276.67	1,791.33	1,543.62	247.72	7.231		
14,800.00	9,360.00	16,443.14	8,418.00	119.52	170.17	-58.071	1,545.08	6,347.30	1,791.33	1,541.09	250.24	7.158		
14,829.37	9,360.00	16,472.51	8,418.00	120.12	170.77	-58.070	1,545.17	6,376.67	1,791.33	1,540.04	251.29	7.128		
14,900.00	9,360.00	16,543.14	8,418.00	121.57	172.22	-58.070	1,545.38	6,447.30	1,791.33	1,537.51	253.82	7.057		
14,929.37	9,360.00	16,572.51	8,418.00	122.18	172.82	-58.070	1,545.46	6,476.67	1,791.32	1,536.45	254.87	7.028		
15,000.00	9,360.00	16,643.14	8,418.00	123.63	174.27	-58.070	1,545.67	6,547.30	1,791.32	1,533.92	257.40	6.959		
15,029.37	9,360.00	16,672.51	8,418.00	124.23	174.87	-58.070	1,545.76	6,576.67	1,791.32	1,532.87	258.45	6.931		
15,100.00	9,360.00	16,743.14	8,418.00	125.68	176.32	-58.070	1,545.96	6,647.30	1,791.32	1,530.34	260.98	6.864		
15,129.37	9,360.00	16,772.51	8,418.00	126.28	176.92	-58.070	1,546.05	6,676.66	1,791.31	1,529.29	262.03	6.836		
15,200.00	9,360.00	16,843.14	8,418.00	127.74	178.37	-58.070	1,546.25	6,747.29	1,791.31	1,526.75	264.56	6.771		
15,229.37	9,360.00	16,872.51	8,418.00	128.34	178.97	-58.070	1,546.34	6,776.66	1,791.31	1,525.70	265.61	6.744		
15,300.00	9,360.00	16,943.14	8,418.00	129.79	180.42	-58.070	1,546.55	6,847.29	1,791.31	1,523.17	268.14	6.681		
15,329.37	9,360.00	16,972.51	8,418.00	130.39	181.03	-58.070	1,546.63	6,876.66	1,791.30	1,522.11	269.19	6.654		
15,400.00	9,360.00	17,043.14	8,418.00	131.85	182.48	-58.070	1,546.84	6,947.29	1,791.30	1,519.58	271.72	6.592		
15,429.37	9,360.00	17,072.51	8,418.00	132.45	183.08	-58.070	1,546.93	6,976.66	1,791.30	1,518.53	272.77	6.567		
15,500.00	9,360.00	17,143.14	8,418.00	133.90	184.53	-58.070	1,547.13	7,047.29	1,791.30	1,515.99	275.30	6.507		
15,529.37	9,360.00	17,172.51	8,418.00	134.51	185.13	-58.070	1,547.22	7,076.66	1,791.29	1,514.94	276.36	6.482		
15,600.00	9,360.00	17,243.14	8,418.00	135.96	186.58	-58.070	1,547.42	7,147.29	1,791.29	1,512.40	278.89	6.423		
15,629.37	9,360.00	17,272.51	8,418.00	136.56	187.19	-58.070	1,547.51	7,176.66	1,791.29	1,511.35	279.94	6.399		
15,700.00	9,360.00	17,343.14	8,418.00	138.02	188.64	-58.070	1,547.72	7,247.29	1,791.29	1,508.81	282.47	6.341		
15,729.37	9,360.00	17,372.51	8,418.00	138.62	189.24	-58.070	1,547.80	7,276.66	1,791.28	1,507.76	283.53	6.318		
15,800.00	9,360.00	17,443.14	8,418.00	140.07	190.69	-58.070	1,548.01	7,347.29	1,791.28	1,505.22	286.06	6.262		
15,829.37	9,360.00	17,472.51	8,418.00	140.68	191.29	-58.070	1,548.10	7,376.66	1,791.28	1,504.17	287.11	6.239		
15,900.00	9,360.00	17,543.14	8,418.00	142.13	192.74	-58.069	1,548.30	7,447.29	1,791.28	1,501.63	289.64	6.184		
15,929.37	9,360.00	17,572.51	8,418.00	142.74	193.35	-58.069	1,548.39	7,476.66	1,791.28	1,500.58	290.70	6.162		
16,000.00	9,360.00	17,643.14	8,418.00	144.19	194.80	-58.069	1,548.59	7,547.29	1,791.27	1,498.04	293.23	6.109		
16,029.37	9,360.00	17,672.51	8,418.00	144.79	195.40	-58.069	1,548.68	7,576.66	1,791.27	1,496.99	294.28	6.087		
16,100.00	9,360.00	17,743.14	8,418.00	146.25	196.85	-58.069	1,548.89	7,647.29	1,791.27	1,494.45	296.82	6.035		
16,129.37	9,360.00	17,772.51	8,418.00	146.85	197.46	-58.069	1,548.97	7,676.66	1,791.27	1,493.39	297.87	6.014		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Warning	
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (%)	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
16,200.00	9,360.00	17,843.14	8,418.00	148.31	198.91	-58.069	1,549.18	7,747.29	1,791.26	1,490.85	300.41	5.963		
16,229.37	9,360.00	17,872.51	8,418.00	148.91	199.51	-58.069	1,549.26	7,776.66	1,791.26	1,489.80	301.46	5.942		
16,300.00	9,360.00	17,943.14	8,418.00	150.37	200.96	-58.069	1,549.47	7,847.29	1,791.26	1,487.26	304.00	5.892		
16,329.37	9,360.00	17,972.51	8,418.00	150.97	201.57	-58.069	1,549.56	7,876.66	1,791.26	1,486.21	305.05	5.872		
16,400.00	9,360.00	18,043.14	8,418.00	152.42	203.02	-58.069	1,549.76	7,947.29	1,791.25	1,483.67	307.59	5.824		
16,429.37	9,360.00	18,072.51	8,418.00	153.03	203.62	-58.069	1,549.85	7,976.66	1,791.25	1,482.61	308.64	5.804		
16,500.00	9,360.00	18,143.14	8,418.00	154.48	205.08	-58.069	1,550.06	8,047.29	1,791.25	1,480.07	311.18	5.756		
16,529.37	9,360.00	18,172.51	8,418.00	155.09	205.68	-58.069	1,550.14	8,076.66	1,791.25	1,479.01	312.23	5.737		
16,600.00	9,360.00	18,243.14	8,418.00	156.54	207.13	-58.069	1,550.35	8,147.29	1,791.24	1,476.48	314.77	5.691		
16,629.37	9,360.00	18,272.51	8,418.00	157.15	207.74	-58.069	1,550.43	8,176.66	1,791.24	1,475.42	315.82	5.672		
16,700.00	9,360.00	18,343.14	8,418.00	158.60	209.19	-58.069	1,550.64	8,247.29	1,791.24	1,472.88	318.36	5.626		
16,729.37	9,360.00	18,372.51	8,418.00	159.21	209.79	-58.069	1,550.73	8,276.66	1,791.24	1,471.82	319.41	5.608		
16,800.00	9,360.00	18,443.14	8,418.00	160.66	211.25	-58.069	1,550.93	8,347.29	1,791.23	1,469.28	321.95	5.564		
16,829.37	9,360.00	18,472.51	8,418.00	161.27	211.85	-58.069	1,551.02	8,376.66	1,791.23	1,468.23	323.01	5.546		
16,900.00	9,360.00	18,543.14	8,418.00	162.73	213.30	-58.068	1,551.23	8,447.29	1,791.23	1,465.68	325.54	5.502		
16,929.37	9,360.00	18,572.51	8,418.00	163.33	213.91	-58.068	1,551.31	8,476.66	1,791.23	1,464.63	326.60	5.484		
17,000.00	9,360.00	18,643.14	8,418.00	164.79	215.36	-58.068	1,551.52	8,547.29	1,791.22	1,462.09	329.14	5.442		
17,029.37	9,360.00	18,672.51	8,418.00	165.39	215.96	-58.068	1,551.60	8,576.66	1,791.22	1,461.03	330.19	5.425		
17,100.00	9,360.00	18,743.14	8,418.00	166.85	217.42	-58.068	1,551.81	8,647.29	1,791.22	1,458.49	332.73	5.383		
17,129.37	9,360.00	18,772.51	8,418.00	167.45	218.02	-58.068	1,551.90	8,676.66	1,791.22	1,457.43	333.79	5.366		
17,200.00	9,360.00	18,843.14	8,418.00	168.91	219.47	-58.068	1,552.10	8,747.29	1,791.21	1,454.89	336.32	5.326		
17,229.37	9,360.00	18,872.51	8,418.00	169.51	220.08	-58.068	1,552.19	8,776.66	1,791.21	1,453.83	337.38	5.309		
17,300.00	9,360.00	18,943.14	8,418.00	170.97	221.53	-58.068	1,552.40	8,847.29	1,791.21	1,451.29	339.92	5.270		
17,329.37	9,360.00	18,972.51	8,418.00	171.58	222.14	-58.068	1,552.48	8,876.66	1,791.21	1,450.23	340.97	5.253		
17,400.00	9,360.00	19,043.14	8,418.00	173.03	223.59	-58.068	1,552.69	8,947.29	1,791.20	1,447.69	343.51	5.214		
17,429.37	9,360.00	19,072.51	8,418.00	173.64	224.20	-58.068	1,552.77	8,976.66	1,791.20	1,446.63	344.57	5.198		
17,500.00	9,360.00	19,143.14	8,418.00	175.09	225.65	-58.068	1,552.98	9,047.28	1,791.20	1,444.09	347.11	5.160		
17,529.37	9,360.00	19,172.51	8,418.00	175.70	226.25	-58.068	1,553.07	9,076.65	1,791.20	1,443.03	348.16	5.145		
17,600.00	9,360.00	19,243.14	8,418.00	177.16	227.71	-58.068	1,553.27	9,147.28	1,791.19	1,440.49	350.70	5.107		
17,629.37	9,360.00	19,272.51	8,418.00	177.76	228.31	-58.068	1,553.36	9,176.65	1,791.19	1,439.43	351.76	5.092		
17,700.00	9,360.00	19,343.14	8,418.00	179.22	229.77	-58.068	1,553.57	9,247.28	1,791.19	1,436.89	354.30	5.056		
17,729.37	9,360.00	19,372.51	8,418.00	179.82	230.37	-58.068	1,553.65	9,276.65	1,791.19	1,435.83	355.36	5.041		
17,800.00	9,360.00	19,443.14	8,418.00	181.28	231.83	-58.068	1,553.86	9,347.28	1,791.18	1,433.29	357.90	5.005		
17,829.37	9,360.00	19,472.51	8,418.00	181.89	232.43	-58.068	1,553.94	9,376.65	1,791.18	1,432.23	358.95	4.990		
17,900.00	9,360.00	19,543.14	8,418.00	183.34	233.89	-58.068	1,554.15	9,447.28	1,791.18	1,429.69	361.49	4.955		
17,929.37	9,360.00	19,572.51	8,418.00	183.95	234.49	-58.067	1,554.24	9,476.65	1,791.18	1,428.63	362.55	4.940		
18,000.00	9,360.00	19,643.14	8,418.00	185.41	235.94	-58.067	1,554.44	9,547.28	1,791.17	1,426.08	365.09	4.906		
18,029.37	9,360.00	19,672.51	8,418.00	186.01	236.55	-58.067	1,554.53	9,576.65	1,791.17	1,425.03	366.15	4.892		
18,100.00	9,360.00	19,743.14	8,418.00	187.47	238.00	-58.067	1,554.74	9,647.28	1,791.17	1,422.48	368.69	4.858		
18,129.37	9,360.00	19,772.51	8,418.00	188.07	238.61	-58.067	1,554.82	9,676.65	1,791.17	1,421.42	369.75	4.844		
18,200.00	9,360.00	19,843.14	8,418.00	189.53	240.06	-58.067	1,555.03	9,747.28	1,791.16	1,418.88	372.29	4.811		
18,229.37	9,360.00	19,872.51	8,418.00	190.14	240.67	-58.067	1,555.11	9,776.65	1,791.16	1,417.82	373.34	4.798		
18,300.00	9,360.00	19,943.14	8,418.00	191.59	242.12	-58.067	1,555.32	9,847.28	1,791.16	1,415.27	375.89	4.765		
18,329.37	9,360.00	19,972.51	8,418.00	192.20	242.73	-58.067	1,555.41	9,876.65	1,791.16	1,414.22	376.94	4.752		
18,400.00	9,360.00	20,043.14	8,418.00	193.66	244.18	-58.067	1,555.61	9,947.28	1,791.16	1,411.67	379.48	4.720		
18,429.37	9,360.00	20,072.51	8,418.00	194.26	244.79	-58.067	1,555.70	9,976.65	1,791.15	1,410.61	380.54	4.707		
18,500.00	9,360.00	20,143.14	8,418.00	195.72	246.24	-58.067	1,555.91	10,047.28	1,791.15	1,408.07	383.08	4.676		
18,529.37	9,360.00	20,172.51	8,418.00	196.33	246.85	-58.067	1,555.99	10,076.65	1,791.15	1,407.01	384.14	4.663		
18,600.00	9,360.00	20,243.14	8,418.00	197.78	248.31	-58.067	1,556.20	10,147.28	1,791.15	1,404.46	386.68	4.632		
18,629.37	9,360.00	20,272.51	8,418.00	198.39	248.91	-58.067	1,556.28	10,176.65	1,791.14	1,403.40	387.74	4.619		
18,700.00	9,360.00	20,343.14	8,418.00	199.85	250.37	-58.067	1,556.49	10,247.28	1,791.14	1,400.86	390.28	4.589		
18,729.37	9,360.00	20,372.51	8,418.00	200.45	250.97	-58.067	1,556.58	10,276.65	1,791.14	1,399.80	391.34	4.577		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond North Pad - Phase 2 - (03) Bond 32-34 FED COM #103H - #103H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (%)	Offset Wellbore Centre		Rule Assigned:				
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,800.00	9,360.00	20,443.14	8,418.00	201.91	252.43	-58.067	1,556.78	10,347.28	1,791.14	1,397.25	393.88	4.547		
18,829.37	9,360.00	20,472.51	8,418.00	202.52	253.03	-58.067	1,556.87	10,376.65	1,791.13	1,396.20	394.94	4.535		
18,900.00	9,360.00	20,543.14	8,418.00	203.98	254.49	-58.067	1,557.08	10,447.28	1,791.13	1,393.65	397.48	4.506		
18,929.37	9,360.00	20,572.51	8,418.00	204.58	255.09	-58.067	1,557.16	10,476.65	1,791.13	1,392.59	398.54	4.494		
19,000.00	9,360.00	20,643.14	8,418.00	206.04	256.55	-58.066	1,557.37	10,547.28	1,791.13	1,390.04	401.08	4.466		
19,029.37	9,360.00	20,672.51	8,418.00	206.65	257.15	-58.066	1,557.45	10,576.65	1,791.12	1,388.99	402.14	4.454		
19,100.00	9,360.00	20,743.14	8,418.00	208.10	258.61	-58.066	1,557.66	10,647.28	1,791.12	1,386.44	404.68	4.426		
19,129.37	9,360.00	20,772.51	8,418.00	208.71	259.22	-58.066	1,557.75	10,676.65	1,791.12	1,385.38	405.74	4.414		
19,200.00	9,360.00	20,843.14	8,418.00	210.17	260.67	-58.066	1,557.95	10,747.28	1,791.12	1,382.83	408.28	4.387		
19,229.37	9,360.00	20,872.51	8,418.00	210.77	261.28	-58.066	1,558.04	10,776.65	1,791.11	1,381.77	409.34	4.376		
19,300.00	9,360.00	20,943.14	8,418.00	212.23	262.73	-58.066	1,558.25	10,847.28	1,791.11	1,379.23	411.88	4.349		
19,329.37	9,360.00	20,972.51	8,418.00	212.84	263.34	-58.066	1,558.33	10,876.65	1,791.11	1,378.17	412.94	4.337		
19,400.00	9,360.00	21,043.14	8,418.00	214.30	264.79	-58.066	1,558.54	10,947.28	1,791.11	1,375.62	415.49	4.311		
19,429.37	9,360.00	21,072.51	8,418.00	214.90	265.40	-58.066	1,558.62	10,976.65	1,791.11	1,374.56	416.54	4.300		
19,500.00	9,360.00	21,143.14	8,418.00	216.36	266.86	-58.066	1,558.83	11,047.28	1,791.10	1,372.01	419.09	4.274		
19,529.37	9,360.00	21,172.51	8,418.00	216.97	267.46	-58.066	1,558.92	11,076.65	1,791.10	1,370.95	420.15	4.263		
19,600.00	9,360.00	21,243.14	8,418.00	218.43	268.92	-58.066	1,559.12	11,147.28	1,791.10	1,368.41	422.69	4.237		
19,629.37	9,360.00	21,272.51	8,418.00	219.03	269.52	-58.066	1,559.21	11,176.65	1,791.10	1,367.35	423.75	4.227		
19,700.00	9,360.00	21,343.14	8,418.00	220.49	270.98	-58.066	1,559.42	11,247.28	1,791.09	1,364.80	426.29	4.202		
19,729.37	9,360.00	21,372.51	8,418.00	221.10	271.59	-58.066	1,559.50	11,276.65	1,791.09	1,363.74	427.35	4.191		
19,800.00	9,360.00	21,443.14	8,418.00	222.56	273.04	-58.066	1,559.71	11,347.28	1,791.09	1,361.19	429.89	4.166		
19,829.37	9,360.00	21,472.51	8,418.00	223.16	273.65	-58.066	1,559.79	11,376.64	1,791.09	1,360.13	430.95	4.156		
19,900.00	9,360.00	21,543.14	8,418.00	224.62	275.10	-58.066	1,560.00	11,447.27	1,791.08	1,357.59	433.50	4.132		
19,929.37	9,360.00	21,572.51	8,418.00	225.23	275.71	-58.066	1,560.09	11,476.64	1,791.08	1,356.53	434.55	4.122		
20,000.00	9,360.00	21,643.14	8,418.00	226.69	277.17	-58.065	1,560.29	11,547.27	1,791.08	1,353.98	437.10	4.098		
20,029.37	9,360.00	21,672.51	8,418.00	227.29	277.77	-58.065	1,560.38	11,576.64	1,791.08	1,352.92	438.16	4.088		
20,100.00	9,360.00	21,743.14	8,418.00	228.75	279.23	-58.065	1,560.59	11,647.27	1,791.07	1,350.37	440.70	4.064		
20,129.37	9,360.00	21,772.51	8,418.00	229.36	279.83	-58.065	1,560.67	11,676.64	1,791.07	1,349.31	441.76	4.054		
20,175.44	9,360.00	21,818.58	8,418.00	230.31	280.78	-58.065	1,560.81	11,722.71	1,791.07	1,347.65	443.42	4.039		
20,181.28	9,360.00	21,818.82	8,418.00	230.43	280.79	-58.065	1,560.81	11,722.95	1,791.08	1,347.56	443.51	4.038	ES, SF	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)													Offset Site Error:	0.00 usft
Survey Program:	100-GYRO-NS, 8838-MWD												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Offset Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	54.061	54.061	54.061	649.12	895.45	1,106.20	1,106.20	1,106.20	1.26	875.038
100.00	100.00	76.35	76.35	0.79	54.072	54.072	54.072	648.99	895.61	1,106.04	1,104.77	1,104.77	2.36	468.013
200.00	200.00	177.97	177.97	1.45	54.103	54.103	54.103	648.56	896.06	1,106.14	1,103.78	1,103.78	2.36	421.238
232.25	232.25	210.14	210.14	1.59	54.111	54.111	54.111	648.43	896.14	1,106.13	1,103.51	1,103.51	2.63	350.454
300.00	300.00	273.69	273.68	1.89	54.123	54.123	54.123	648.32	896.37	1,106.26	1,103.10	1,103.10	3.16	284.708
400.00	400.00	376.90	376.89	2.25	54.137	54.137	54.137	648.30	896.83	1,106.62	1,102.73	1,102.73	3.89	243.224
500.00	500.00	475.57	475.56	2.57	54.150	54.150	54.150	648.15	897.02	1,106.69	1,102.14	1,102.14	4.55	213.149
600.00	600.00	577.99	577.98	2.85	54.156	54.156	54.156	648.15	897.24	1,106.86	1,101.66	1,101.66	5.19	202.167
646.26	646.26	624.15	624.15	2.97	54.159	54.159	54.159	648.09	897.25	1,106.83	1,101.36	1,101.36	5.47	191.013
700.00	700.00	675.69	675.68	3.11	54.159	54.159	54.159	648.12	897.29	1,106.89	1,101.09	1,101.09	5.79	173.031
800.00	800.00	778.92	778.91	3.35	54.147	54.147	54.147	648.39	897.27	1,107.02	1,100.63	1,100.63	6.40	128.036
900.00	900.00	878.29	878.28	3.58	54.109	54.109	54.109	648.91	896.75	1,106.90	1,099.93	1,099.93	6.97	158.745
1,000.00	1,000.00	978.54	978.52	3.79	54.051	54.051	54.051	649.82	896.06	1,106.88	1,099.34	1,099.34	7.54	146.825
1,062.60	1,062.60	1,040.51	1,040.49	3.92	54.021	54.021	54.021	650.26	895.70	1,106.85	1,098.97	1,098.97	7.88	140.387
1,100.00	1,100.00	1,077.16	1,077.14	3.99	54.003	54.003	54.003	650.55	895.51	1,106.86	1,098.78	1,098.78	8.09	136.832
1,200.00	1,200.00	1,179.81	1,179.79	4.19	53.955	53.955	53.955	651.30	894.96	1,106.86	1,098.22	1,098.22	8.64	124.139
1,251.45	1,251.45	1,229.37	1,229.35	4.29	53.936	53.936	53.936	651.56	894.67	1,106.78	1,097.87	1,097.87	8.92	120.797
1,300.00	1,300.00	1,273.86	1,273.84	4.38	53.919	53.919	53.919	651.86	894.55	1,106.87	1,097.71	1,097.71	9.16	114.269
1,400.00	1,400.00	1,372.56	1,372.53	4.56	53.888	53.888	53.888	652.65	894.61	1,107.39	1,097.70	1,097.70	9.69	108.502
1,500.00	1,500.00	1,470.57	1,470.53	4.74	53.863	53.863	53.863	653.34	894.75	1,107.92	1,097.71	1,097.71	10.21	98.538
1,600.00	1,600.00	1,570.84	1,570.80	4.91	53.834	53.834	53.834	654.21	894.98	1,108.62	1,097.89	1,097.89	10.73	94.350
1,700.00	1,700.00	1,672.25	1,672.21	5.08	53.813	53.813	53.813	654.88	895.21	1,109.19	1,097.93	1,097.93	11.26	90.415
1,800.00	1,800.00	1,770.07	1,770.03	5.24	53.782	53.782	53.782	655.69	895.30	1,109.76	1,098.00	1,098.00	11.76	86.893
1,900.00	1,900.00	1,872.80	1,872.75	5.40	53.762	53.762	53.762	656.41	895.63	1,110.43	1,098.15	1,098.15	12.28	83.658
2,000.00	2,000.00	1,971.84	1,971.79	5.56	53.745	53.745	53.745	656.93	895.78	1,110.86	1,098.08	1,098.08	12.78	78.021
2,100.00	2,100.00	2,071.34	2,071.29	5.71	53.722	53.722	53.722	657.64	896.00	1,111.47	1,098.18	1,098.18	13.29	75.535
2,200.00	2,200.00	2,168.45	2,168.39	5.86	53.701	53.701	53.701	658.37	896.28	1,112.15	1,098.37	1,098.37	13.78	73.264
2,300.00	2,300.00	2,266.54	2,266.48	6.01	53.663	53.663	53.663	659.52	896.63	1,113.12	1,098.85	1,098.85	14.27	67.139
2,400.00	2,400.00	2,363.46	2,363.39	6.16	53.620	53.620	53.620	660.85	897.01	1,114.25	1,099.50	1,099.50	14.75	65.335
2,500.00	2,500.00	2,459.18	2,459.10	6.30	53.562	53.562	53.562	662.60	897.49	1,115.74	1,100.51	1,100.51	15.23	61.969
2,600.00	2,600.00	2,555.02	2,554.92	6.44	53.519	53.519	53.519	664.35	898.43	1,117.61	1,101.91	1,101.91	15.70	58.972
2,700.00	2,700.00	2,656.65	2,656.51	6.58	53.456	53.456	53.456	666.60	899.41	1,119.72	1,103.52	1,103.52	16.20	57.583
2,800.00	2,800.00	2,760.78	2,760.62	6.71	53.403	53.403	53.403	668.47	900.21	1,121.39	1,104.69	1,104.69	16.70	54.893
2,900.00	2,900.00	2,860.48	2,860.30	6.85	53.348	53.348	53.348	670.23	900.77	1,122.90	1,105.71	1,105.71	17.19	51.913
3,000.00	3,000.00	2,963.02	2,962.83	6.98	53.312	53.312	53.312	671.74	901.60	1,124.44	1,106.76	1,106.76	17.68	48.629
3,100.00	3,100.00	3,063.82	3,063.61	7.12	53.265	53.265	53.265	673.22	902.05	1,125.66	1,107.50	1,107.50	18.16	46.893
3,200.00	3,200.00	3,163.55	3,163.34	7.25	53.203	53.203	53.203	674.98	902.35	1,126.97	1,108.32	1,108.32	18.64	44.444
3,300.00	3,300.00	3,265.51	3,265.27	7.37	53.148	53.148	53.148	676.59	902.71	1,128.20	1,109.06	1,109.06	19.13	42.475
3,400.00	3,400.00	3,366.08	3,365.84	7.50	53.102	53.102	53.102	677.96	903.02	1,129.26	1,109.65	1,109.65	19.61	41.834
3,500.00	3,500.00	3,465.87	3,465.62	7.63	53.054	53.054	53.054	679.36	903.31	1,130.34	1,110.25	1,110.25	20.09	40.266
3,600.00	3,599.98	3,564.87	3,564.61	7.80	53.046	53.046	53.046	680.87	903.56	1,130.05	1,109.46	1,109.46	20.59	38.763
3,700.00	3,699.84	3,664.25	3,663.97	7.98	53.046	53.046	53.046	682.14	904.11	1,127.05	1,105.97	1,105.97	21.08	37.320
3,800.00	3,799.45	3,767.82	3,767.54	8.16	53.046	53.046	53.046	683.09	904.83	1,121.18	1,099.58	1,099.58	21.60	35.972
3,900.00	3,898.70	3,868.24	3,867.95	8.36	53.046	53.046	53.046	683.99	905.10	1,122.21	1,090.10	1,090.10	22.12	34.444
4,000.00	3,997.47	3,965.35	3,965.06	8.59	53.046	53.046	53.046	685.07	905.29	1,100.65	1,078.02	1,078.02	22.63	33.658
4,100.00	4,095.62	4,064.39	4,064.10	8.83	53.046	53.046	53.046	686.11	905.66	1,086.58	1,063.41	1,063.41	23.17	32.134
4,200.00	4,193.08	4,165.84	4,165.54	9.02	53.046	53.046	53.046	686.93	905.92	1,069.86	1,046.19	1,046.19	23.67	31.714
4,300.00	4,290.34	4,265.69	4,265.39	9.26	53.046	53.046	53.046	687.58	905.83	1,052.28	1,028.08	1,028.08	24.20	31.234
4,400.00	4,387.59	4,363.06	4,362.75	9.50	53.046	53.046	53.046	688.32	905.50	1,034.82	1,010.08	1,010.08	24.74	30.753
4,500.00	4,484.84	4,459.05	4,458.74	9.77	53.046	53.046	53.046	689.15	905.16	1,017.66	992.39	992.39	25.27	30.266
4,600.00	4,582.09	4,555.90	4,555.59	10.05	53.046	53.046	53.046	690.06	904.90	1,000.88	975.06	975.06	25.82	29.763
4,700.00	4,679.34	4,653.48	4,653.16	10.35	53.046	53.046	53.046	690.98	904.59	984.34	957.97	957.97	26.38	29.263

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)													Offset Site Error:	0.00 usft
Survey Program:	100-GYRO-NS, 8838-MWD												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Semi Offset (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	Offset Wellbore Centre +E-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,776.59	4,752.02	4,751.70	10.66	16.97	-45.569	691.89	904.20	968.04	941.10	26.94	35.936		
4,900.00	4,873.84	4,851.21	4,850.88	10.99	17.32	-46.641	692.78	903.54	951.84	924.34	27.50	34.608		
5,000.00	4,971.09	4,948.92	4,948.58	11.32	17.66	-47.732	693.54	902.77	935.81	907.75	28.07	33.344		
5,100.00	5,068.34	5,045.76	5,045.42	11.67	18.00	-48.855	694.36	901.97	920.15	891.53	28.63	32.145		
5,200.00	5,165.59	5,144.59	5,144.23	12.03	18.34	-50.059	695.36	900.88	904.83	875.64	29.19	31.001		
5,300.00	5,262.84	5,244.76	5,244.39	12.39	18.69	-51.331	696.22	899.42	889.56	859.81	29.75	29.903		
5,400.00	5,360.09	5,343.10	5,342.70	12.77	19.04	-52.667	697.27	897.29	874.47	844.17	30.30	28.862		
5,500.00	5,457.34	5,438.92	5,438.49	13.15	19.37	-54.039	698.49	894.84	859.81	828.97	30.84	27.883		
5,600.00	5,554.59	5,533.84	5,533.37	13.54	19.71	-55.430	699.79	892.69	845.91	814.54	31.37	26.968		
5,700.00	5,651.84	5,630.31	5,629.81	13.93	20.04	-56.869	701.01	890.76	832.61	800.72	31.89	26.106		
5,800.00	5,749.09	5,726.10	5,725.58	14.33	20.38	-58.327	702.19	889.06	819.97	787.56	32.41	25.298		
5,900.00	5,846.35	5,822.39	5,821.85	14.74	20.71	-59.831	703.42	887.45	808.00	775.07	32.92	24.542		
6,000.00	5,943.60	5,918.64	5,918.07	15.15	21.05	-61.388	704.80	885.72	796.69	763.27	33.42	23.835		
6,100.00	6,040.85	6,015.15	6,014.56	15.57	21.39	-62.994	706.25	883.96	786.08	752.16	33.92	23.176		
6,200.00	6,138.10	6,111.95	6,111.34	15.99	21.73	-64.638	707.69	882.31	776.16	741.76	34.40	22.561		
6,300.00	6,235.35	6,211.23	6,210.59	16.41	22.08	-66.353	708.93	880.67	766.75	731.86	34.89	21.979		
6,400.00	6,332.60	6,308.39	6,307.73	16.84	22.42	-68.054	709.91	879.20	757.86	722.50	35.36	21.435		
6,500.00	6,429.85	6,403.19	6,402.52	17.27	22.75	-69.751	710.99	877.80	749.82	714.00	35.82	20.935		
6,600.00	6,527.10	6,502.56	6,501.87	17.70	23.10	-71.567	712.10	876.28	742.48	706.19	36.28	20.465		
6,700.00	6,624.35	6,597.44	6,596.73	18.14	23.43	-73.325	713.11	874.92	735.87	699.13	36.74	20.029		
6,800.00	6,721.92	6,694.37	6,693.65	18.59	23.77	-74.949	714.28	873.60	730.57	693.38	37.19	19.645		
6,900.00	6,820.20	6,794.22	6,793.49	19.03	24.12	-76.406	715.39	872.19	726.68	689.04	37.64	19.305		
7,000.00	6,919.06	6,891.77	6,891.01	19.46	24.46	-77.601	716.40	870.85	723.99	685.90	38.09	19.009		
7,100.00	7,018.38	6,991.65	6,990.88	19.87	24.81	-78.601	717.52	869.32	722.39	683.86	38.53	18.750		
7,200.00	7,118.05	7,089.30	7,088.51	20.25	25.15	-79.363	718.72	867.49	721.71	682.76	38.95	18.527		
7,215.96	7,133.98	7,105.02	7,104.23	20.30	25.20	-79.463	718.94	867.20	721.70	682.68	39.02	18.495		
7,300.00	7,217.94	7,189.59	7,188.77	20.58	25.50	-79.895	720.09	865.57	721.90	682.52	39.38	18.331		
7,400.00	7,317.93	7,289.56	7,288.71	20.72	25.85	-9.205	721.41	863.52	722.68	682.90	39.78	18.167		
7,500.00	7,417.93	7,391.52	7,390.63	20.78	26.21	9.006	722.68	861.18	723.54	683.33	40.21	17.994		
7,600.00	7,517.93	7,493.27	7,492.35	20.82	26.56	8.797	723.69	858.66	724.14	683.51	40.63	17.823		
7,700.00	7,617.93	7,593.11	7,592.16	20.87	26.91	8.606	724.53	856.35	724.62	683.58	41.04	17.655		
7,800.00	7,717.93	7,695.55	7,694.57	20.92	27.27	8.421	725.23	854.10	724.97	683.51	41.46	17.485		
7,900.00	7,817.93	7,794.76	7,793.76	20.97	27.62	8.245	725.77	851.92	725.19	683.31	41.88	17.317		
8,000.00	7,917.93	7,895.75	7,894.72	21.01	27.97	8.077	726.30	849.84	725.41	683.12	42.30	17.151		
8,100.00	8,017.93	7,996.66	7,995.61	21.06	28.32	7.924	726.65	847.94	725.50	682.79	42.72	16.984		
8,200.00	8,117.93	8,100.10	8,099.04	21.11	28.69	7.795	726.67	846.29	725.30	682.16	43.14	16.812		
8,300.00	8,217.93	8,201.08	8,200.02	21.16	29.04	7.697	726.32	845.00	724.79	681.22	43.56	16.638		
8,400.00	8,317.93	8,300.00	8,298.92	21.21	29.38	7.593	726.08	843.63	724.36	680.37	43.98	16.470		
8,445.42	8,363.35	8,342.32	8,341.24	21.23	29.53	7.541	726.10	842.98	724.29	680.12	44.16	16.400		
8,500.00	8,417.93	8,394.38	8,393.29	21.26	29.71	7.479	726.29	842.21	724.38	680.00	44.39	16.319		
8,600.00	8,517.93	8,493.90	8,492.80	21.31	30.06	7.363	726.88	840.81	724.78	679.98	44.81	16.175		
8,700.00	8,617.93	8,593.43	8,592.32	21.35	30.41	7.245	727.51	839.39	725.23	680.00	45.23	16.035		
8,800.00	8,717.93	8,589.82	8,589.24	21.40	33.30	77.988	29.33	847.82	681.12	647.34	33.78	20.164		
8,900.00	8,817.91	9,852.96	9,369.35	21.48	33.32	-14.683	26.20	847.76	582.31	548.11	34.19	17.029		
9,000.00	8,916.79	9,855.86	9,369.45	21.94	33.34	-148.958	23.29	847.70	482.53	448.02	34.52	13.979		
9,100.00	9,011.73	9,858.36	9,369.54	22.47	33.35	-172.881	20.79	847.65	383.92	349.33	34.59	11.099		
9,200.00	9,099.84	9,860.37	9,369.61	23.01	33.36	-176.124	18.79	847.61	292.15	257.42	34.73	8.412		
9,300.00	9,178.45	9,861.81	9,369.66	23.52	33.37	-177.234	17.35	847.58	220.45	182.61	37.83	5.827		
9,400.00	9,245.16	9,862.59	9,369.69	23.97	33.38	-177.592	16.57	847.57	195.60	147.30	48.30	4.050 CC		
9,400.02	9,245.17	9,862.59	9,369.69	23.97	33.38	-177.592	16.57	847.57	195.60	147.30	48.30	4.050 ES, SF		
9,500.00	9,297.95	9,862.66	9,369.69	24.35	33.38	-177.422	16.50	847.57	233.78	177.54	56.24	4.157		
9,600.00	9,335.22	9,861.95	9,369.67	24.62	33.37	-176.473	17.21	847.58	311.90	253.73	58.17	5.362		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W02) LEAR STATE 001H - 38865 - (Gyro/MWD)												Offset Site Error:	0.00 usft
Survey Program:	100-GYRO-NS, 8838-MWD											Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Offset Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,355.84	9,860.46	9,369.61	24.78	33.36	-173.016	18.70	847.61	406.02	347.60	58.42	6.950	
9,800.00	9,360.00	9,858.21	9,369.53	24.83	33.35	-158.338	20.94	847.65	505.23	446.79	58.43	8.646	
9,900.00	9,360.00	9,855.72	9,369.44	24.86	33.34	-154.488	23.43	847.70	605.03	546.60	58.43	10.354	
10,000.00	9,360.00	9,853.14	9,369.35	24.94	33.32	-150.726	26.01	847.75	704.88	646.45	58.43	12.063	
10,100.00	9,360.00	9,850.47	9,369.26	26.19	33.31	-147.080	28.68	847.81	804.77	746.33	58.43	13.773	
10,200.00	9,360.00	9,847.69	9,369.16	27.89	33.29	-143.574	31.45	847.87	904.67	846.23	58.43	15.482	
10,300.00	9,360.00	9,844.82	9,369.06	29.64	33.27	-140.224	34.33	847.93	1,004.58	946.14	58.44	17.190	
10,400.00	9,360.00	9,841.83	9,368.96	31.43	33.26	-137.042	37.31	848.00	1,104.50	1,046.06	58.44	18.898	
10,500.00	9,360.00	9,838.73	9,368.86	33.25	33.24	-134.033	40.41	848.07	1,204.43	1,145.98	58.45	20.605	
10,600.00	9,360.00	9,838.00	9,368.84	35.10	33.23	-133.367	41.14	848.08	1,304.37	1,245.89	58.48	22.306	
10,700.00	9,360.00	9,834.24	9,368.72	36.98	33.21	-130.169	44.90	848.17	1,404.30	1,345.82	58.48	24.012	
10,800.00	9,360.00	9,832.18	9,368.66	38.87	33.20	-128.574	46.95	848.21	1,504.25	1,445.75	58.50	25.712	
10,900.00	9,360.00	9,830.17	9,368.60	40.78	33.19	-127.113	48.96	848.26	1,604.20	1,545.67	58.53	27.410	
11,000.00	9,360.00	9,828.21	9,368.54	42.71	33.18	-125.771	50.93	848.30	1,704.15	1,645.60	58.55	29.107	
11,100.00	9,360.00	9,826.29	9,368.49	44.65	33.17	-124.536	52.85	848.34	1,804.10	1,745.53	58.57	30.801	
11,200.00	9,360.00	9,824.40	9,368.45	46.60	33.16	-123.396	54.73	848.38	1,904.06	1,845.46	58.60	32.492	
11,300.00	9,360.00	9,822.56	9,368.40	48.56	33.15	-122.343	56.57	848.42	2,004.02	1,945.39	58.63	34.181	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W03) LEAR STATE 002H - 38866 - (Gyro/MWD)												Offset Site Error:	0.00 usft
Survey Program:	100-GYRO-NS, 8768-MWD											Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Offset Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,400.00	8,317.93	11,190.00	9,353.53	21.21	58.63	-136.332	-1,230.87	-434.72	2,015.16	1,952.96	62.19	32.401	
8,500.00	8,417.93	11,190.00	9,353.53	21.26	58.63	-136.332	-1,230.87	-434.72	1,964.31	1,901.15	63.16	31.098	
8,600.00	8,517.93	11,190.00	9,353.53	21.31	58.63	-136.332	-1,230.87	-434.72	1,917.34	1,853.24	64.10	29.913	
8,700.00	8,617.93	11,190.00	9,353.53	21.35	58.63	-136.332	-1,230.87	-434.72	1,874.52	1,809.55	64.98	28.849	
8,800.00	8,717.93	11,190.00	9,353.53	21.40	58.63	-136.332	-1,230.87	-434.72	1,836.16	1,770.38	65.79	27.911	
8,900.00	8,817.91	11,190.00	9,353.53	21.48	58.63	134.539	-1,230.87	-434.72	1,803.09	1,736.58	66.51	27.109	
9,000.00	8,916.79	11,190.00	9,353.53	21.94	58.63	135.900	-1,230.87	-434.72	1,784.21	1,716.92	67.29	26.514	
9,055.27	8,969.94	11,190.00	9,353.53	22.23	58.63	136.093	-1,230.87	-434.72	1,781.43	1,713.76	67.68	26.323 CC, ES	
9,100.00	9,011.73	11,190.00	9,353.53	22.47	58.63	135.966	-1,230.87	-434.72	1,783.25	1,715.32	67.93	26.251 SF	
9,200.00	9,099.84	11,190.00	9,353.53	23.01	58.63	134.747	-1,230.87	-434.72	1,800.28	1,731.89	68.39	26.324	
9,300.00	9,178.45	11,190.00	9,353.53	23.52	58.63	132.110	-1,230.87	-434.72	1,834.29	1,765.63	68.66	26.714	
9,400.00	9,245.16	11,190.00	9,353.53	23.97	58.63	127.776	-1,230.87	-434.72	1,883.37	1,814.59	68.78	27.384	
9,500.00	9,297.95	11,190.00	9,353.53	24.35	58.63	121.320	-1,230.87	-434.72	1,944.94	1,876.18	68.77	28.283	
9,600.00	9,335.22	11,190.00	9,353.53	24.62	58.63	112.264	-1,230.87	-434.72	2,016.10	1,947.43	68.67	29.358	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W05) GULF FEDERAL 002 - 26310 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program:	200-INC-ONLY												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,100.00	9,360.00	9,360.56	9,353.89	84.74	272.04	-90.000	1,678.28	5,832.07	2,035.68	1,692.99	342.69	5.940		
13,200.00	9,360.00	9,360.56	9,353.89	86.78	272.04	-90.000	1,678.28	5,832.07	1,979.12	1,633.02	346.10	5.718		
13,300.00	9,360.00	9,360.56	9,353.89	88.82	272.04	-90.000	1,678.28	5,832.07	1,926.11	1,576.50	349.61	5.509		
13,400.00	9,360.00	9,360.56	9,353.89	90.86	272.04	-90.000	1,678.28	5,832.07	1,876.92	1,523.74	353.18	5.314		
13,500.00	9,360.00	9,360.56	9,353.89	92.90	272.04	-90.000	1,678.28	5,832.07	1,831.88	1,475.09	356.79	5.134		
13,600.00	9,360.00	9,360.56	9,353.89	94.94	272.04	-90.000	1,678.28	5,832.07	1,791.29	1,430.90	360.39	4.970		
13,700.00	9,360.00	9,360.56	9,353.89	96.98	272.04	-90.000	1,678.28	5,832.07	1,755.47	1,391.52	363.95	4.823		
13,800.00	9,360.00	9,360.56	9,353.89	99.03	272.04	-90.000	1,678.28	5,832.07	1,724.71	1,357.31	367.40	4.694		
13,900.00	9,360.00	9,360.56	9,353.89	101.07	272.04	-90.000	1,678.28	5,832.07	1,699.28	1,328.59	370.70	4.584		
14,000.00	9,360.00	9,360.56	9,353.89	103.12	272.04	-90.000	1,678.28	5,832.07	1,679.44	1,305.65	373.79	4.493		
14,100.00	9,360.00	9,360.56	9,353.89	105.17	272.04	-90.000	1,678.28	5,832.07	1,665.37	1,288.76	376.61	4.422		
14,200.00	9,360.00	9,360.56	9,353.89	107.21	272.04	-90.000	1,678.28	5,832.07	1,657.23	1,278.10	379.13	4.371		
14,285.26	9,360.00	9,360.56	9,353.89	108.96	272.04	-90.000	1,678.28	5,832.07	1,655.04	1,274.03	381.00	4.344 CC		
14,300.00	9,360.00	9,360.56	9,353.89	109.26	272.04	-90.000	1,678.28	5,832.07	1,655.10	1,273.80	381.30	4.341 ES		
14,400.00	9,360.00	9,360.56	9,353.89	111.31	272.04	-90.000	1,678.28	5,832.07	1,659.01	1,275.91	383.10	4.331 SF		
14,500.00	9,360.00	9,360.56	9,353.89	113.36	272.04	-90.000	1,678.28	5,832.07	1,668.91	1,284.40	384.50	4.340		
14,600.00	9,360.00	9,360.56	9,353.89	115.42	272.04	-90.000	1,678.28	5,832.07	1,684.70	1,299.18	385.52	4.370		
14,700.00	9,360.00	9,360.56	9,353.89	117.47	272.04	-90.000	1,678.28	5,832.07	1,706.21	1,320.06	386.15	4.418		
14,800.00	9,360.00	9,360.56	9,353.89	119.52	272.04	-90.000	1,678.28	5,832.07	1,733.23	1,346.81	386.43	4.485		
14,900.00	9,360.00	9,360.56	9,353.89	121.57	272.04	-90.000	1,678.28	5,832.07	1,765.52	1,379.15	386.37	4.569		
15,000.00	9,360.00	9,360.56	9,353.89	123.63	272.04	-90.000	1,678.28	5,832.07	1,802.77	1,416.76	386.02	4.670		
15,100.00	9,360.00	9,360.56	9,353.89	125.68	272.04	-90.000	1,678.28	5,832.07	1,844.71	1,459.30	385.41	4.786		
15,200.00	9,360.00	9,360.56	9,353.89	127.74	272.04	-90.000	1,678.28	5,832.07	1,891.00	1,506.42	384.59	4.917		
15,300.00	9,360.00	9,360.56	9,353.89	129.79	272.04	-90.000	1,678.28	5,832.07	1,941.35	1,557.76	383.59	5.061		
15,400.00	9,360.00	9,360.56	9,353.89	131.85	272.04	-90.000	1,678.28	5,832.07	1,995.44	1,613.00	382.44	5.218		
15,500.00	9,360.00	9,360.56	9,353.89	133.90	272.04	-90.000	1,678.28	5,832.07	2,052.98	1,671.79	381.19	5.386		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program:	210-INC-ONLY												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,300.00	9,360.00	9,347.72	9,345.84	68.52	236.06	-90.158	366.26	5,839.11	2,017.75	1,753.71	264.04	7.642		
12,400.00	9,360.00	9,347.72	9,345.84	70.54	236.06	-90.158	366.26	5,839.11	1,919.28	1,654.82	264.47	7.257		
12,500.00	9,360.00	9,347.72	9,345.83	72.56	236.06	-90.158	366.26	5,839.11	1,820.98	1,556.02	264.96	6.873		
12,600.00	9,360.00	9,347.71	9,345.83	74.58	236.06	-90.158	366.26	5,839.11	1,722.87	1,457.33	265.54	6.488		
12,700.00	9,360.00	9,347.71	9,345.83	76.61	236.06	-90.158	366.26	5,839.11	1,625.00	1,358.77	266.23	6.104		
12,800.00	9,360.00	9,347.71	9,345.83	78.64	236.06	-90.157	366.26	5,839.11	1,527.40	1,260.36	267.04	5.720		
12,900.00	9,360.00	9,347.71	9,345.83	80.67	236.06	-90.157	366.26	5,839.11	1,430.13	1,162.12	268.00	5.336		
13,000.00	9,360.00	9,347.71	9,345.83	82.71	236.06	-90.157	366.26	5,839.11	1,333.26	1,064.09	269.17	4.953		
13,100.00	9,360.00	9,347.71	9,345.83	84.74	236.06	-90.157	366.26	5,839.11	1,236.89	966.31	270.58	4.571		
13,200.00	9,360.00	9,347.71	9,345.83	86.78	236.06	-90.157	366.26	5,839.11	1,141.15	868.84	272.31	4.191		
13,300.00	9,360.00	9,347.71	9,345.83	88.82	236.06	-90.157	366.26	5,839.11	1,046.21	771.77	274.44	3.812		
13,400.00	9,360.00	9,347.71	9,345.83	90.86	236.06	-90.157	366.26	5,839.11	952.30	675.20	277.10	3.437		
13,500.00	9,360.00	9,347.71	9,345.83	92.90	236.06	-90.156	366.26	5,839.11	859.77	579.32	280.45	3.066		
13,600.00	9,360.00	9,347.71	9,345.83	94.94	236.06	-90.156	366.26	5,839.11	769.10	484.41	284.69	2.702		
13,700.00	9,360.00	9,347.71	9,345.83	96.98	236.06	-90.156	366.26	5,839.11	681.06	390.94	290.12	2.347		
13,800.00	9,360.00	9,347.70	9,345.82	99.03	236.06	-90.156	366.26	5,839.11	596.80	299.70	297.10	2.009		
13,900.00	9,360.00	9,347.70	9,345.82	101.07	236.06	-90.156	366.26	5,839.11	518.16	212.18	305.98	1.693 Level 3		
14,000.00	9,360.00	9,347.70	9,345.82	103.12	236.06	-90.156	366.26	5,839.11	448.12	131.20	316.92	1.414 Level 3		
14,100.00	9,360.00	9,347.70	9,345.82	105.17	236.06	-90.156	366.26	5,839.11	391.32	62.13	329.19	1.189 Level 3		
14,200.00	9,360.00	9,347.70	9,345.82	107.21	236.06	-90.155	366.26	5,839.11	354.20	14.07	340.13	1.041 Level 3		
14,288.34	9,360.00	9,347.70	9,345.82	109.02	236.06	-90.155	366.26	5,839.11	342.99	-2.09	345.09	0.994 Level 3, CC, ES, SF		
14,300.00	9,360.00	9,347.70	9,345.82	109.26	236.06	-90.155	366.26	5,839.11	343.19	-2.07	345.26	0.994 Level 3		
14,400.00	9,360.00	9,347.70	9,345.82	111.31	236.06	-90.155	366.26	5,839.11	360.70	18.49	342.21	1.054 Level 3		
14,500.00	9,360.00	9,347.70	9,345.82	113.36	236.06	-90.155	366.26	5,839.11	403.02	69.48	333.54	1.208 Level 3		
14,600.00	9,360.00	9,347.70	9,345.82	115.42	236.06	-90.155	366.26	5,839.11	463.41	140.05	323.36	1.433 Level 3		
14,700.00	9,360.00	9,347.70	9,345.82	117.47	236.06	-90.155	366.26	5,839.11	535.79	221.73	314.06	1.706 Level 3		
14,800.00	9,360.00	9,347.70	9,345.82	119.52	236.06	-90.155	366.26	5,839.11	615.95	309.63	306.32	2.011		
14,900.00	9,360.00	9,347.70	9,345.82	121.57	236.06	-90.155	366.26	5,839.11	701.22	401.13	300.10	2.337		
15,000.00	9,360.00	9,347.69	9,345.81	123.63	236.06	-90.154	366.26	5,839.11	789.96	494.84	295.12	2.677		
15,100.00	9,360.00	9,347.69	9,345.81	125.68	236.06	-90.154	366.26	5,839.11	881.11	589.98	291.14	3.026		
15,200.00	9,360.00	9,347.69	9,345.81	127.74	236.06	-90.154	366.26	5,839.11	974.00	686.09	287.92	3.383		
15,300.00	9,360.00	9,347.69	9,345.81	129.79	236.06	-90.154	366.26	5,839.11	1,068.18	782.89	285.29	3.744		
15,400.00	9,360.00	9,347.69	9,345.81	131.85	236.06	-90.154	366.26	5,839.11	1,163.33	880.20	283.12	4.109		
15,500.00	9,360.00	9,347.69	9,345.81	133.90	236.06	-90.154	366.26	5,839.11	1,259.23	977.90	281.32	4.476		
15,600.00	9,360.00	9,347.69	9,345.81	135.96	236.06	-90.154	366.26	5,839.11	1,355.72	1,075.90	279.81	4.845		
15,700.00	9,360.00	9,347.69	9,345.81	138.02	236.06	-90.153	366.26	5,839.11	1,452.69	1,174.14	278.54	5.215		
15,800.00	9,360.00	9,347.69	9,345.81	140.07	236.06	-90.153	366.26	5,839.11	1,550.04	1,272.58	277.46	5.587		
15,900.00	9,360.00	9,347.69	9,345.81	142.13	236.06	-90.153	366.26	5,839.11	1,647.71	1,371.17	276.53	5.958		
16,000.00	9,360.00	9,347.69	9,345.81	144.19	236.06	-90.153	366.26	5,839.11	1,745.64	1,469.90	275.74	6.331		
16,100.00	9,360.00	9,347.69	9,345.81	146.25	236.06	-90.153	366.26	5,839.11	1,843.80	1,568.75	275.05	6.703		
16,200.00	9,360.00	9,347.69	9,345.80	148.31	236.06	-90.153	366.26	5,839.11	1,942.14	1,667.69	274.45	7.076		
16,300.00	9,360.00	9,347.68	9,345.80	150.37	236.06	-90.153	366.26	5,839.11	2,040.64	1,766.71	273.94	7.449		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)												Offset Site Error:	0.00 usft	
Survey Program:	400-INC-ONLY											Offset Well Error:	0.00 usft	
	Reference	Measured	Offset	Semi	Major	Axis	Rule Assigned:	Distance	Between	Minimum	Separation	Warning		
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore	Centre	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,200.00	9,360.00	9,358.32	9,356.89	127.74	216.75	90.000	-950.21	8,489.01	1,992.75	1,708.72	284.03	7.016		
15,300.00	9,360.00	9,358.32	9,356.89	129.79	216.75	90.000	-950.21	8,489.01	1,906.35	1,618.76	287.60	6.629		
15,400.00	9,360.00	9,358.32	9,356.89	131.85	216.75	90.000	-950.21	8,489.01	1,821.35	1,529.87	291.48	6.249		
15,500.00	9,360.00	9,358.32	9,356.89	133.90	216.75	90.000	-950.21	8,489.01	1,737.94	1,442.23	295.72	5.877		
15,600.00	9,360.00	9,358.32	9,356.89	135.96	216.75	90.000	-950.21	8,489.01	1,656.37	1,356.05	300.33	5.515		
15,700.00	9,360.00	9,358.32	9,356.89	138.02	216.75	90.000	-950.21	8,489.01	1,576.93	1,271.59	305.34	5.165		
15,800.00	9,360.00	9,358.32	9,356.89	140.07	216.75	90.000	-950.21	8,489.01	1,499.94	1,189.18	310.77	4.827		
15,900.00	9,360.00	9,358.32	9,356.89	142.13	216.75	90.000	-950.21	8,489.01	1,425.82	1,109.19	316.63	4.503		
16,000.00	9,360.00	9,358.32	9,356.89	144.19	216.75	90.000	-950.21	8,489.01	1,355.02	1,032.10	322.92	4.196		
16,100.00	9,360.00	9,358.32	9,356.89	146.25	216.75	90.000	-950.21	8,489.01	1,288.11	958.49	329.62	3.908		
16,200.00	9,360.00	9,358.32	9,356.89	148.31	216.75	90.000	-950.21	8,489.01	1,225.70	889.05	336.66	3.641		
16,300.00	9,360.00	9,358.32	9,356.89	150.37	216.75	90.000	-950.21	8,489.01	1,168.54	824.61	343.93	3.398		
16,400.00	9,360.00	9,358.32	9,356.89	152.42	216.75	90.000	-950.21	8,489.01	1,117.41	766.14	351.27	3.181		
16,500.00	9,360.00	9,358.32	9,356.89	154.48	216.75	90.000	-950.21	8,489.01	1,073.19	714.74	358.45	2.994		
16,600.00	9,360.00	9,358.32	9,356.89	156.54	216.75	90.000	-950.21	8,489.01	1,036.76	671.57	365.19	2.839		
16,700.00	9,360.00	9,358.32	9,356.89	158.60	216.75	90.000	-950.21	8,489.01	1,008.96	637.82	371.14	2.719		
16,800.00	9,360.00	9,358.32	9,356.89	160.66	216.75	90.000	-950.21	8,489.01	990.52	614.56	375.96	2.635		
16,900.00	9,360.00	9,358.32	9,356.89	162.73	216.75	90.000	-950.21	8,489.01	981.97	602.59	379.37	2.588		
16,934.35	9,360.00	9,358.32	9,356.89	163.43	216.75	90.000	-950.21	8,489.01	981.36	601.19	380.18	2.581 CC, ES		
17,000.00	9,360.00	9,358.32	9,356.89	164.79	216.75	90.000	-950.21	8,489.01	983.56	602.38	381.18	2.580 SF		
17,100.00	9,360.00	9,358.32	9,356.89	166.85	216.75	90.000	-950.21	8,489.01	995.25	613.89	381.35	2.610		
17,200.00	9,360.00	9,358.32	9,356.89	168.91	216.75	90.000	-950.21	8,489.01	1,016.68	636.69	379.99	2.676		
17,300.00	9,360.00	9,358.32	9,356.89	170.97	216.75	90.000	-950.21	8,489.01	1,047.27	669.95	377.32	2.776		
17,400.00	9,360.00	9,358.32	9,356.89	173.03	216.75	90.000	-950.21	8,489.01	1,086.23	712.60	373.63	2.907		
17,500.00	9,360.00	9,358.32	9,356.89	175.09	216.75	90.000	-950.21	8,489.01	1,132.71	763.49	369.22	3.068		
17,600.00	9,360.00	9,358.32	9,356.89	177.16	216.75	90.000	-950.21	8,489.01	1,185.82	821.45	364.37	3.254		
17,700.00	9,360.00	9,358.32	9,356.89	179.22	216.75	90.000	-950.21	8,489.01	1,244.70	885.40	359.31	3.464		
17,800.00	9,360.00	9,358.32	9,356.89	181.28	216.75	90.000	-950.21	8,489.01	1,308.59	954.38	354.21	3.694		
17,900.00	9,360.00	9,358.32	9,356.89	183.34	216.75	90.000	-950.21	8,489.01	1,376.79	1,027.58	349.21	3.943		
18,000.00	9,360.00	9,358.32	9,356.89	185.41	216.75	90.000	-950.21	8,489.01	1,448.68	1,104.30	344.38	4.207		
18,100.00	9,360.00	9,358.32	9,356.89	187.47	216.75	90.000	-950.21	8,489.01	1,523.75	1,183.96	339.78	4.484		
18,200.00	9,360.00	9,358.32	9,356.89	189.53	216.75	90.000	-950.21	8,489.01	1,601.54	1,266.10	335.44	4.774		
18,300.00	9,360.00	9,358.32	9,356.89	191.59	216.75	90.000	-950.21	8,489.01	1,681.69	1,350.31	331.37	5.075		
18,400.00	9,360.00	9,358.32	9,356.89	193.66	216.75	90.000	-950.21	8,489.01	1,763.86	1,436.29	327.56	5.385		
18,500.00	9,360.00	9,358.32	9,356.89	195.72	216.75	90.000	-950.21	8,489.01	1,847.79	1,523.77	324.02	5.703		
18,600.00	9,360.00	9,358.32	9,356.89	197.78	216.75	90.000	-950.21	8,489.01	1,933.25	1,612.53	320.72	6.028		
18,700.00	9,360.00	9,358.32	9,356.89	199.85	216.75	90.000	-950.21	8,489.01	2,020.05	1,702.39	317.65	6.359		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 235-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:				Warning	
							+N/S (usft)	+E/W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.89	0.89	0.00	0.02	18.321	1,673.70	554.21	1,763.07	1,760.17	2.91	606.607		
100.00	100.00	100.89	100.89	0.79	2.12	18.321	1,673.70	554.21	1,763.07	1,757.40	5.67	311.003		
200.00	200.00	200.89	200.89	1.45	4.22	18.321	1,673.70	554.21	1,763.07	1,754.88	8.20	215.090		
300.00	300.00	300.89	300.89	1.89	6.31	18.321	1,673.70	554.21	1,763.07	1,752.66	10.67	165.275		
400.00	400.00	402.73	402.73	2.25	8.42	18.318	1,673.97	554.21	1,763.33	1,749.89	13.17	133.823		
500.00	500.00	508.51	508.50	2.57	10.61	18.321	1,673.68	554.21	1,763.07	1,743.61	19.47	90.575		
532.30	532.30	533.21	533.19	2.66	11.06	18.321	1,673.70	554.21	1,763.07	1,749.35	13.72	128.518		
600.00	600.00	600.91	600.89	2.85	12.33	18.321	1,673.70	554.21	1,763.07	1,747.89	15.18	116.147		
700.00	700.00	709.65	709.63	3.11	14.37	18.320	1,673.84	554.21	1,763.22	1,745.75	17.48	100.880		
786.18	786.18	787.11	787.07	3.32	15.85	18.321	1,673.70	554.21	1,763.07	1,743.91	19.17	91.989		
800.00	800.00	800.92	800.89	3.35	16.12	18.321	1,673.70	554.21	1,763.07	1,743.61	19.47	90.575		
900.00	900.00	905.22	905.18	3.58	18.13	18.320	1,673.86	554.21	1,763.22	1,741.52	21.70	81.254		
1,000.00	1,000.00	1,000.94	1,000.89	3.79	20.04	18.321	1,673.70	554.21	1,763.07	1,739.24	23.83	73.982		
1,100.00	1,100.00	1,107.22	1,107.17	3.99	22.24	18.317	1,674.09	554.21	1,763.45	1,737.22	26.23	67.221		
1,200.00	1,200.00	1,200.98	1,200.89	4.19	24.14	18.321	1,673.70	554.21	1,763.07	1,734.74	28.33	62.230		
1,300.00	1,300.00	1,300.98	1,300.89	4.38	26.09	18.321	1,673.70	554.21	1,763.07	1,732.60	30.47	57.867		
1,400.00	1,400.00	1,412.87	1,412.77	4.56	28.27	18.319	1,673.90	554.21	1,763.30	1,730.47	32.83	53.713		
1,500.00	1,500.00	1,500.99	1,500.89	4.74	29.80	18.321	1,673.70	554.21	1,763.07	1,728.53	34.54	51.042		
1,600.00	1,600.00	1,601.00	1,600.89	4.91	31.50	18.321	1,673.70	554.21	1,763.07	1,726.66	36.41	48.426		
1,700.00	1,700.00	1,701.00	1,700.89	5.08	33.40	18.321	1,673.70	554.21	1,763.07	1,724.59	38.48	45.815		
1,800.00	1,800.00	1,801.59	1,801.49	5.24	35.32	18.319	1,673.89	554.21	1,763.26	1,722.69	40.56	43.468		
1,900.00	1,900.00	1,903.63	1,903.52	5.40	37.27	18.320	1,673.80	554.21	1,763.17	1,720.49	42.67	41.320		
2,000.00	2,000.00	2,001.00	2,000.89	5.56	39.10	18.321	1,673.70	554.21	1,763.07	1,718.41	44.66	39.480		
2,100.00	2,100.00	2,102.95	2,102.84	5.71	40.98	18.320	1,673.78	554.21	1,763.14	1,716.45	46.70	37.758		
2,200.00	2,200.00	2,201.01	2,200.89	5.86	42.88	18.321	1,673.70	554.21	1,763.07	1,714.33	48.74	36.170		
2,300.00	2,300.00	2,301.01	2,300.89	6.01	44.89	18.321	1,673.70	554.21	1,763.07	1,712.17	50.90	34.637		
2,400.00	2,400.00	2,410.63	2,410.50	6.16	47.09	18.317	1,674.09	554.21	1,763.47	1,710.22	53.25	33.118		
2,500.00	2,500.00	2,501.04	2,500.89	6.30	49.08	18.321	1,673.70	554.21	1,763.07	1,707.70	55.37	31.839		
2,600.00	2,600.00	2,601.04	2,600.89	6.44	51.55	18.321	1,673.70	554.21	1,763.07	1,705.09	57.99	30.405		
2,700.00	2,700.00	2,701.04	2,700.89	6.58	54.02	18.321	1,673.70	554.21	1,763.07	1,702.48	60.60	29.095		
2,800.00	2,800.00	2,802.28	2,802.12	6.71	56.52	18.315	1,674.31	554.21	1,763.65	1,700.42	63.24	27.890		
2,900.00	2,900.00	2,904.88	2,904.73	6.85	59.06	18.317	1,674.16	554.21	1,763.51	1,697.60	65.91	26.758		
3,000.00	3,000.00	3,007.49	3,007.33	6.98	61.59	18.320	1,673.84	554.21	1,763.22	1,694.64	68.58	25.712		
3,100.00	3,100.00	3,101.09	3,100.89	7.12	63.79	18.321	1,673.70	554.21	1,763.07	1,692.16	70.91	24.864		
3,200.00	3,200.00	3,201.09	3,200.89	7.25	66.07	18.321	1,673.70	554.21	1,763.07	1,689.75	73.32	24.047		
3,300.00	3,300.00	3,301.37	3,301.16	7.37	68.36	18.310	1,674.81	554.21	1,764.13	1,688.39	75.73	23.294		
3,400.00	3,400.00	3,407.49	3,407.27	7.50	70.78	18.312	1,674.60	554.21	1,763.94	1,685.66	78.28	22.534		
3,500.00	3,500.00	3,513.61	3,513.38	7.63	73.19	18.318	1,674.00	554.21	1,763.40	1,682.58	80.82	21.818		
3,600.00	3,600.00	3,601.15	3,600.87	7.80	75.10	-71.124	1,673.70	554.21	1,762.51	1,679.66	82.85	21.273		
3,700.00	3,699.84	3,701.01	3,700.73	7.98	77.21	-71.317	1,673.70	554.21	1,760.82	1,675.76	85.06	20.701		
3,800.00	3,799.45	3,803.96	3,803.67	8.16	79.38	-71.657	1,674.55	554.21	1,758.86	1,671.52	87.34	20.138		
3,900.00	3,898.70	3,910.81	3,910.52	8.36	81.63	-72.137	1,674.10	554.21	1,754.63	1,664.93	89.70	19.561		
4,000.00	3,997.47	3,998.70	3,998.36	8.59	83.51	-72.659	1,673.70	554.21	1,749.43	1,657.73	91.70	19.078		
4,100.00	4,095.62	4,096.85	4,096.51	8.83	85.65	-73.356	1,673.70	554.21	1,743.76	1,649.79	93.96	18.558		
4,200.00	4,193.08	4,194.32	4,193.97	9.02	87.78	-74.137	1,673.70	554.21	1,737.35	1,641.17	96.18	18.064		
4,300.00	4,290.34	4,297.60	4,297.24	9.26	90.04	-74.911	1,674.56	554.21	1,731.80	1,633.24	98.57	17.570		
4,400.00	4,387.59	4,401.26	4,400.90	9.50	92.30	-75.682	1,673.99	554.21	1,725.19	1,624.23	100.96	17.087		
4,500.00	4,484.84	4,486.14	4,485.73	9.77	94.17	-76.319	1,673.70	554.21	1,719.06	1,616.09	102.98	16.694		
4,600.00	4,582.09	4,583.39	4,582.98	10.05	96.32	-77.056	1,673.70	554.21	1,713.56	1,608.28	105.28	16.277		
4,700.00	4,679.34	4,680.64	4,680.23	10.35	98.47	-77.797	1,673.70	554.21	1,708.35	1,600.77	107.58	15.880		
4,800.00	4,776.59	4,783.21	4,782.78	10.66	100.75	-78.589	1,674.66	554.21	1,704.40	1,594.40	110.00	15.494		
4,900.00	4,873.84	4,886.41	4,885.98	10.99	103.03	-79.381	1,674.15	554.21	1,699.33	1,586.89	112.44	15.113		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program:	235-INC-ONLY												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,971.09	4,972.47	4,971.98	11.32	104.93	-80.045	1,673.70	554.21	1,694.56	1,580.06	114.51	14.799		
5,100.00	5,068.34	5,069.72	5,069.23	11.67	107.07	-80.801	1,673.70	554.21	1,690.58	1,573.77	116.80	14.474		
5,200.00	5,165.59	5,166.97	5,166.48	12.03	109.21	-81.561	1,673.70	554.21	1,686.91	1,567.80	119.11	14.163		
5,300.00	5,262.84	5,268.21	5,267.70	12.39	111.43	-82.359	1,674.73	554.21	1,684.58	1,563.08	121.50	13.865		
5,400.00	5,360.09	5,371.40	5,370.90	12.77	113.70	-83.170	1,674.30	554.21	1,681.14	1,557.21	123.93	13.565		
5,500.00	5,457.34	5,458.80	5,458.23	13.15	115.62	-83.858	1,673.70	554.21	1,677.80	1,551.77	126.03	13.313		
5,600.00	5,554.59	5,556.05	5,555.48	13.54	117.75	-84.628	1,673.70	554.21	1,675.39	1,547.07	128.33	13.056		
5,700.00	5,651.84	5,653.30	5,652.73	13.93	119.87	-85.400	1,673.70	554.21	1,673.31	1,542.68	130.63	12.810		
5,800.00	5,749.09	5,753.21	5,752.63	14.33	122.06	-86.197	1,674.77	554.21	1,672.63	1,539.63	132.99	12.577		
5,900.00	5,846.35	5,856.40	5,855.82	14.74	124.31	-87.019	1,674.42	554.21	1,670.86	1,535.44	135.43	12.338		
6,000.00	5,943.60	5,959.60	5,959.00	15.15	126.57	-87.842	1,673.71	554.21	1,669.08	1,531.22	137.87	12.107		
6,100.00	6,040.85	6,042.38	6,041.74	15.57	128.32	-88.503	1,673.70	554.21	1,668.22	1,528.40	139.82	11.932		
6,200.00	6,138.10	6,139.63	6,138.99	15.99	130.38	-89.281	1,673.70	554.21	1,667.76	1,525.69	142.07	11.739		
6,240.10	6,177.09	6,178.63	6,177.98	16.16	131.21	-89.593	1,673.70	554.21	1,667.66	1,524.69	142.97	11.664 CC		
6,300.00	6,235.35	6,240.72	6,240.06	16.41	132.53	-90.089	1,674.60	554.21	1,668.52	1,524.12	144.40	11.555		
6,400.00	6,332.60	6,344.84	6,344.17	16.84	134.73	-90.922	1,674.15	554.21	1,668.29	1,521.48	146.81	11.364		
6,469.85	6,400.53	6,417.57	6,416.90	17.14	136.27	-91.504	1,673.58	554.21	1,668.08	1,519.59	148.48	11.234		
6,500.00	6,429.85	6,431.45	6,430.74	17.27	136.58	-91.615	1,673.70	554.21	1,668.32	1,519.45	148.86	11.207		
6,600.00	6,527.10	6,528.70	6,527.99	17.70	138.70	-92.392	1,673.70	554.21	1,669.15	1,517.97	151.18	11.041		
6,700.00	6,624.35	6,625.95	6,625.24	18.14	140.81	-93.168	1,673.70	554.21	1,670.32	1,516.80	153.52	10.880		
6,800.00	6,721.92	6,727.56	6,726.84	18.59	143.02	-93.949	1,674.72	554.21	1,672.72	1,516.80	155.93	10.728		
6,900.00	6,820.20	6,831.84	6,831.11	19.03	145.28	-94.627	1,674.28	554.21	1,673.70	1,515.32	158.38	10.568		
7,000.00	6,919.06	6,920.74	6,919.95	19.46	147.22	-95.104	1,673.70	554.21	1,674.37	1,513.90	160.48	10.434		
7,100.00	7,018.38	7,020.06	7,019.27	19.87	149.37	-95.516	1,673.70	554.21	1,675.45	1,512.68	162.77	10.293		
7,200.00	7,118.05	7,119.73	7,118.94	20.25	151.53	-95.807	1,673.70	554.21	1,676.25	1,511.19	165.06	10.156		
7,300.00	7,217.94	7,222.99	7,222.18	20.58	153.77	-95.972	1,674.75	554.21	1,677.77	1,510.37	167.40	10.023		
7,400.00	7,317.93	7,329.08	7,328.28	20.72	156.06	-6.631	1,674.34	554.21	1,677.51	1,507.75	169.76	9.882		
7,500.00	7,417.93	7,419.68	7,418.82	20.78	158.03	-6.634	1,673.70	554.21	1,676.85	1,505.04	171.81	9.760		
7,600.00	7,517.93	7,519.68	7,518.82	20.82	160.19	-6.634	1,673.70	554.21	1,676.85	1,502.80	174.05	9.634		
7,700.00	7,617.93	7,619.68	7,618.82	20.87	162.35	-6.634	1,673.70	554.21	1,676.85	1,500.56	176.29	9.512		
7,800.00	7,717.93	7,722.63	7,721.75	20.92	164.58	-6.630	1,674.76	554.21	1,677.90	1,499.31	178.59	9.395		
7,900.00	7,817.93	7,828.74	7,827.85	20.97	166.87	-6.631	1,674.38	554.21	1,677.55	1,496.59	180.96	9.270		
8,000.00	7,917.93	7,934.85	7,933.96	21.01	169.17	-6.634	1,673.61	554.21	1,676.83	1,493.50	183.33	9.147		
8,005.18	7,923.10	7,940.35	7,939.45	21.02	169.29	-6.634	1,673.56	554.21	1,676.78	1,493.33	183.45	9.140		
8,100.00	8,017.93	8,019.76	8,018.82	21.06	171.15	-6.634	1,673.70	554.21	1,676.85	1,491.46	185.39	9.045		
8,200.00	8,117.93	8,119.76	8,118.82	21.11	173.46	-6.634	1,673.70	554.21	1,676.85	1,489.07	187.78	8.930		
8,300.00	8,217.93	8,222.14	8,221.19	21.16	175.82	-6.629	1,674.78	554.21	1,677.93	1,487.71	190.22	8.821		
8,400.00	8,317.93	8,328.20	8,327.24	21.21	178.28	-6.631	1,674.44	554.21	1,677.61	1,484.86	192.75	8.704		
8,500.00	8,417.93	8,434.27	8,433.30	21.26	180.73	-6.634	1,673.71	554.21	1,676.92	1,481.65	195.28	8.588		
8,514.53	8,432.46	8,449.68	8,448.71	21.26	181.09	-6.634	1,673.58	554.21	1,676.80	1,481.15	195.64	8.571		
8,600.00	8,517.93	8,519.89	8,518.82	21.31	182.95	-6.634	1,673.70	554.21	1,676.85	1,479.27	197.58	8.487		
8,700.00	8,617.93	8,619.89	8,618.82	21.35	185.55	-6.634	1,673.70	554.21	1,676.85	1,476.59	200.26	8.374		
8,800.00	8,717.93	8,724.67	8,723.58	21.40	188.28	-6.628	1,675.18	554.21	1,678.32	1,475.26	203.06	8.265		
8,900.00	8,817.91	8,834.85	8,833.75	21.48	191.14	-96.506	1,674.53	554.21	1,677.83	1,471.84	205.99	8.145		
8,919.66	8,837.52	8,856.47	8,855.36	21.57	191.70	-96.561	1,674.32	554.21	1,677.80	1,471.23	206.58	8.122		
9,000.00	8,916.79	8,918.97	8,917.68	21.94	193.31	-96.788	1,673.70	554.21	1,678.59	1,470.29	208.29	8.059 ES		
9,100.00	9,011.73	9,013.91	9,012.62	22.47	195.56	-97.381	1,673.70	554.21	1,682.63	1,471.82	210.81	7.982		
9,200.00	9,099.84	9,122.96	9,121.63	23.01	198.15	-98.443	1,674.22	554.21	1,690.48	1,476.66	213.82	7.906		
9,300.00	9,178.45	9,180.71	9,179.34	23.52	199.45	-98.556	1,673.70	554.21	1,701.19	1,485.43	215.75	7.885		
9,400.00	9,245.16	9,247.43	9,246.05	23.97	200.85	-98.560	1,673.70	554.21	1,717.73	1,499.74	217.98	7.880 SF		
9,500.00	9,297.95	9,300.22	9,298.84	24.35	201.95	-97.771	1,673.70	554.21	1,740.28	1,520.16	220.12	7.906		
9,600.00	9,335.22	9,337.49	9,336.11	24.62	202.73	-95.931	1,673.70	554.21	1,769.25	1,547.15	222.10	7.966		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W12) HULKSTER 005 - 39572 - (Inc Only)													Offset Site Error:	0.00 usft	Offset Well Error:	0.00 usft		
Survey Program:	235-INC-ONLY												Offset Well Error:	0.00 usft				
	Reference	Measured	Vertical	Offset	Semi	Major	Axis	Offset	Highside	Offset Wellbore	Centre	Rule Assigned:	Distance	Between	Between	Minimum	Separation	Factor	Warning
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	(usft)	(usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
9,700.00	9,355.84	9,358.11	9,356.73	24.78	203.16	-92.864	1,673.70	554.21	1,804.47	1,580.64	223.83	8.062						
9,800.00	9,360.00	9,362.27	9,360.89	24.83	203.25	-90.000	1,673.70	554.21	1,845.10	1,619.90	225.20	8.193						
9,900.00	9,360.00	9,362.27	9,360.89	24.86	203.25	-90.000	1,673.70	554.21	1,890.21	1,663.74	226.47	8.346						
10,000.00	9,360.00	9,362.27	9,360.89	24.94	203.25	-90.000	1,673.70	554.21	1,939.44	1,711.73	227.71	8.517						
10,100.00	9,360.00	9,362.27	9,360.89	26.19	203.25	-90.000	1,673.70	554.21	1,992.47	1,763.58	228.89	8.705						
10,200.00	9,360.00	9,362.27	9,360.89	27.89	203.25	-90.000	1,673.70	554.21	2,049.01	1,819.01	230.01	8.909						



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W14) KEEL A FEDERAL 003 - 33340 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 218-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Reference Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,300.00	9,360.00	9,359.05	9,356.89	48.56	214.63	-90.000	1,483.83	4,300.62	2,063.63	1,810.07	253.56	8.139		
11,400.00	9,360.00	9,359.05	9,356.89	50.53	214.63	-90.000	1,483.83	4,300.62	1,994.47	1,738.82	255.65	7.801		
11,500.00	9,360.00	9,359.05	9,356.89	52.50	214.63	-90.000	1,483.83	4,300.62	1,928.02	1,670.10	257.92	7.475		
11,600.00	9,360.00	9,359.05	9,356.89	54.49	214.63	-90.000	1,483.83	4,300.62	1,864.57	1,604.22	260.35	7.162		
11,700.00	9,360.00	9,359.05	9,356.89	56.48	214.63	-90.000	1,483.83	4,300.62	1,804.43	1,541.49	262.94	6.863		
11,800.00	9,360.00	9,359.05	9,356.89	58.47	214.63	-90.000	1,483.83	4,300.62	1,747.95	1,482.28	265.67	6.579		
11,900.00	9,360.00	9,359.05	9,356.89	60.47	214.63	-90.000	1,483.83	4,300.62	1,695.49	1,426.96	268.53	6.314		
12,000.00	9,360.00	9,359.05	9,356.89	62.48	214.63	-90.000	1,483.83	4,300.62	1,647.43	1,375.94	271.49	6.068		
12,100.00	9,360.00	9,359.05	9,356.89	64.49	214.63	-90.000	1,483.83	4,300.62	1,604.17	1,329.66	274.51	5.844		
12,200.00	9,360.00	9,359.05	9,356.89	66.50	214.63	-90.000	1,483.83	4,300.62	1,566.12	1,288.56	277.56	5.643		
12,300.00	9,360.00	9,359.05	9,356.89	68.52	214.63	-90.000	1,483.83	4,300.62	1,533.65	1,253.08	280.57	5.466		
12,400.00	9,360.00	9,359.05	9,356.89	70.54	214.63	-90.000	1,483.83	4,300.62	1,507.13	1,223.63	283.50	5.316		
12,500.00	9,360.00	9,359.05	9,356.89	72.56	214.63	-90.000	1,483.83	4,300.62	1,486.87	1,200.59	286.29	5.194		
12,600.00	9,360.00	9,359.05	9,356.89	74.58	214.63	-90.000	1,483.83	4,300.62	1,473.14	1,184.27	288.87	5.100		
12,700.00	9,360.00	9,359.05	9,356.89	76.61	214.63	-90.000	1,483.83	4,300.62	1,466.12	1,174.92	291.20	5.035		
12,753.23	9,360.00	9,359.05	9,356.89	77.69	214.63	-90.000	1,483.83	4,300.62	1,465.15	1,172.83	292.32	5.012 CC		
12,800.00	9,360.00	9,359.05	9,356.89	78.64	214.63	-90.000	1,483.83	4,300.62	1,465.90	1,172.67	293.23	4.999 ES		
12,900.00	9,360.00	9,359.05	9,356.89	80.67	214.63	-90.000	1,483.83	4,300.62	1,472.48	1,177.56	294.92	4.993 SF		
13,000.00	9,360.00	9,359.05	9,356.89	82.71	214.63	-90.000	1,483.83	4,300.62	1,485.79	1,189.51	296.28	5.015		
13,100.00	9,360.00	9,359.05	9,356.89	84.74	214.63	-90.000	1,483.83	4,300.62	1,505.63	1,208.35	297.28	5.065		
13,200.00	9,360.00	9,359.05	9,356.89	86.78	214.63	-90.000	1,483.83	4,300.62	1,531.75	1,233.81	297.94	5.141		
13,300.00	9,360.00	9,359.05	9,356.89	88.82	214.63	-90.000	1,483.83	4,300.62	1,563.85	1,265.55	298.30	5.243		
13,400.00	9,360.00	9,359.05	9,356.89	90.86	214.63	-90.000	1,483.83	4,300.62	1,601.55	1,303.18	298.37	5.368		
13,500.00	9,360.00	9,359.05	9,356.89	92.90	214.63	-90.000	1,483.83	4,300.62	1,644.48	1,346.28	298.20	5.515		
13,600.00	9,360.00	9,359.05	9,356.89	94.94	214.63	-90.000	1,483.83	4,300.62	1,692.24	1,394.42	297.82	5.682		
13,700.00	9,360.00	9,359.05	9,356.89	96.98	214.63	-90.000	1,483.83	4,300.62	1,744.43	1,447.15	297.28	5.868		
13,800.00	9,360.00	9,359.05	9,356.89	99.03	214.63	-90.000	1,483.83	4,300.62	1,800.66	1,504.06	296.61	6.071		
13,900.00	9,360.00	9,359.05	9,356.89	101.07	214.63	-90.000	1,483.83	4,300.62	1,860.58	1,564.75	295.83	6.289		
14,000.00	9,360.00	9,359.05	9,356.89	103.12	214.63	-90.000	1,483.83	4,300.62	1,923.82	1,628.84	294.98	6.522		
14,100.00	9,360.00	9,359.05	9,356.89	105.17	214.63	-90.000	1,483.83	4,300.62	1,990.09	1,696.01	294.08	6.767		
14,200.00	9,360.00	9,359.05	9,356.89	107.21	214.63	-90.000	1,483.83	4,300.62	2,059.08	1,765.93	293.15	7.024		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program:	229-INC-ONLY											Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-65.105	352.76	-760.13	838.00	2.79	300.512		
100.00	100.00	96.89	96.89	0.79	2.00	-65.105	352.76	-760.13	838.00	835.21	5.52	151.915	
200.00	200.00	196.89	196.89	1.45	4.07	-65.105	352.76	-760.13	838.00	832.48	7.93	105.737	
300.00	300.00	296.90	296.89	1.89	6.03	-65.105	352.76	-760.13	838.00	830.07	10.23	81.907	
400.00	400.00	398.49	398.48	2.25	7.98	-65.095	352.93	-760.13	838.07	827.84	12.99	64.493	
500.00	500.00	496.91	496.89	2.57	10.43	-65.105	352.76	-760.13	838.00	825.00	16.03	52.270	
600.00	600.00	596.91	596.89	2.85	13.18	-65.105	352.76	-760.13	838.00	821.97	19.05	43.997	
700.00	700.00	697.08	697.06	3.11	15.94	-65.073	353.28	-760.13	838.22	819.16	22.07	37.983	
800.00	800.00	797.72	797.70	3.35	18.72	-65.082	353.14	-760.13	838.16	816.09	25.07	33.430	
900.00	900.00	898.38	898.35	3.58	21.49	-65.102	352.81	-760.13	838.02	812.96	28.21	26.024	
947.19	947.19	944.11	944.08	3.68	22.56	-65.105	352.76	-760.13	838.00	811.76	31.940		
1,000.00	1,000.00	996.92	996.89	3.79	23.70	-65.105	352.76	-760.13	838.00	810.51	34.56	30.485	
1,100.00	1,100.00	1,096.92	1,096.89	3.99	25.86	-65.105	352.76	-760.13	838.00	808.15	34.56	28.074	
1,200.00	1,200.00	1,197.03	1,197.00	4.19	28.01	-65.089	353.02	-760.13	838.11	805.90	37.983	26.024	
1,300.00	1,300.00	1,297.35	1,297.31	4.38	30.18	-65.094	352.94	-760.13	838.08	803.52	41.35	24.252	
1,400.00	1,400.00	1,397.66	1,397.63	4.56	32.34	-65.104	352.78	-760.13	838.01	801.10	45.78	22.708	
1,443.80	1,443.80	1,440.72	1,440.69	4.64	33.23	-65.105	352.76	-760.13	838.00	800.12	52.270		
1,500.00	1,500.00	1,496.92	1,496.89	4.74	34.39	-65.105	352.76	-760.13	838.00	798.87	57.14	21.418	
1,600.00	1,600.00	1,596.92	1,596.89	4.91	36.43	-65.105	352.76	-760.13	838.00	796.65	61.58	20.268	
1,700.00	1,700.00	1,697.05	1,697.01	5.08	38.48	-65.089	353.02	-760.13	838.11	794.54	66.92	19.239	
1,800.00	1,800.00	1,797.36	1,797.32	5.24	40.54	-65.094	352.94	-760.13	838.08	792.29	71.41	18.306	
1,900.00	1,900.00	1,897.67	1,897.64	5.40	42.59	-65.104	352.77	-760.13	838.01	790.01	75.82	17.460	
1,940.45	1,940.45	1,937.40	1,937.34	5.47	43.43	-65.105	352.76	-760.13	838.00	789.10	80.85	17.137	
2,000.00	2,000.00	1,996.94	1,996.89	5.56	44.70	-65.105	352.76	-760.13	838.00	787.73	85.21	16.672	
2,100.00	2,100.00	2,096.94	2,096.89	5.71	46.84	-65.105	352.76	-760.13	838.00	785.45	90.56	15.947	
2,200.00	2,200.00	2,197.19	2,197.13	5.86	48.98	-65.052	353.61	-760.13	838.36	783.52	95.87	15.287	
2,300.00	2,300.00	2,298.09	2,298.02	6.01	51.13	-65.065	353.41	-760.13	838.27	781.13	10.90	14.671	
2,400.00	2,400.00	2,398.99	2,398.92	6.16	53.28	-65.092	352.96	-760.13	838.09	778.65	11.942 CC		
2,500.00	2,500.00	2,496.99	2,496.89	6.30	55.29	-65.105	352.76	-760.13	838.00	776.41	12.94	13.607	
2,600.00	2,600.00	2,596.99	2,596.89	6.44	57.28	-65.105	352.76	-760.13	838.00	774.27	13.72	13.151	
2,700.00	2,700.00	2,697.31	2,697.20	6.58	59.29	-65.059	353.50	-760.13	838.31	772.45	14.56	12.727	
2,800.00	2,800.00	2,798.33	2,798.22	6.71	61.31	-65.074	353.27	-760.13	838.21	770.19	15.44	12.323	
2,900.00	2,900.00	2,899.35	2,899.23	6.85	63.32	-65.106	352.75	-760.13	838.00	767.82	16.92	11.942 CC	
2,933.20	2,933.20	2,930.25	2,930.09	6.89	63.98	-65.105	352.76	-760.13	838.00	767.12	17.88	11.823	
3,000.00	3,000.00	2,997.04	2,996.89	6.98	65.41	-65.105	352.76	-760.13	838.00	765.61	18.82	11.576	
3,100.00	3,100.00	3,097.04	3,096.89	7.12	67.54	-65.105	352.76	-760.13	838.00	763.35	19.56	11.226	
3,200.00	3,200.00	3,197.64	3,197.48	7.25	69.68	-65.040	353.81	-760.13	838.44	761.52	20.54	10.900	
3,300.00	3,300.00	3,298.91	3,298.73	7.37	71.83	-65.061	353.47	-760.13	838.30	759.09	21.51	10.584	
3,400.00	3,400.00	3,400.18	3,400.00	7.50	73.99	-65.105	352.76	-760.13	838.01	756.52	22.49	10.283	
3,434.95	3,434.95	3,432.07	3,431.84	7.55	74.68	-65.105	352.76	-760.13	838.00	755.77	23.44	10.191	
3,500.00	3,500.00	3,497.12	3,496.89	7.63	76.10	-65.105	352.76	-760.13	838.00	754.27	24.41	10.008	
3,600.00	3,599.98	3,597.10	3,596.87	7.80	78.28	-154.524	352.76	-760.13	839.57	753.50	25.38	9.754 ES	
3,700.00	3,699.84	3,697.55	3,697.31	7.98	80.47	-154.573	353.81	-760.13	844.74	752.32	26.35	9.553	
3,800.00	3,799.45	3,798.43	3,798.18	8.16	82.67	-154.782	353.46	-760.13	852.48	761.69	27.09	9.389	
3,900.00	3,898.70	3,898.95	3,898.69	8.36	84.86	-155.082	352.76	-760.13	863.25	770.08	27.87	9.265	
4,000.00	3,997.47	3,994.68	3,994.36	8.59	86.75	-155.380	352.76	-760.13	877.48	782.22	28.64	9.212	
4,100.00	4,095.62	4,093.31	4,092.97	8.83	88.68	-155.690	353.68	-760.13	895.27	797.85	29.42	9.190	
4,200.00	4,193.08	4,193.03	4,192.68	9.02	90.64	-156.182	353.24	-760.13	915.61	816.05	29.56	9.197	
4,300.00	4,290.34	4,287.61	4,287.23	9.26	92.51	-156.766	352.76	-760.13	936.86	835.21	30.65	9.216	
4,400.00	4,387.59	4,384.86	4,384.48	9.50	94.46	-157.313	352.76	-760.13	958.40	854.56	31.63	9.230	
4,500.00	4,484.84	4,482.11	4,481.73	9.77	96.41	-157.836	352.76	-760.13	980.01	873.97	32.60	9.242	
4,600.00	4,582.09	4,580.21	4,579.82	10.05	98.37	-158.303	353.45	-760.13	1,001.94	893.67	33.57	9.254	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program:	229-INC-ONLY												Offset Well Error:	0.00 usft
	Reference	Measured	Offset	Semi	Major	Axis	Offset	Highside	Offset	Wellbore	Centre	Rule Assigned:		
Measured	Vertical	Measured	Vertical	Reference	Major	Axis	Offset	Toolface	+N/S	+E/W	Distance			
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
4,700.00	4,679.34	4,678.39	4,678.00	10.35	100.34	-158.807	353.09	-760.13	1,023.57	913.05	110.52	9.261		
4,800.00	4,776.59	4,773.90	4,773.48	10.66	102.25	-159.276	352.76	-760.13	1,045.28	932.54	112.73	9.272		
4,900.00	4,873.84	4,871.15	4,870.73	10.99	104.19	-159.717	352.76	-760.13	1,067.16	952.17	114.99	9.280		
5,000.00	4,971.09	4,968.40	4,967.98	11.32	106.14	-160.140	352.76	-760.13	1,089.11	971.84	117.26	9.288		
5,100.00	5,068.34	5,066.43	5,066.00	11.67	108.10	-160.514	353.47	-760.13	1,111.33	991.77	119.56	9.295		
5,200.00	5,165.59	5,164.60	5,164.17	12.03	110.07	-160.926	353.13	-760.13	1,133.27	1,011.40	121.87	9.299		
5,300.00	5,262.84	5,260.20	5,259.73	12.39	112.00	-161.314	352.76	-760.13	1,155.25	1,031.10	124.16	9.305		
5,400.00	5,360.09	5,357.45	5,356.98	12.77	114.00	-161.676	352.76	-760.13	1,177.40	1,050.87	126.53	9.306		
5,500.00	5,457.34	5,454.70	5,454.23	13.15	116.00	-162.025	352.76	-760.13	1,199.59	1,070.68	128.90	9.306		
5,600.00	5,554.59	5,552.64	5,552.17	13.54	118.02	-162.330	353.49	-760.13	1,222.02	1,090.73	131.30	9.307		
5,700.00	5,651.84	5,650.81	5,650.33	13.93	120.04	-162.672	353.17	-760.13	1,244.20	1,110.49	133.71	9.305		
5,800.00	5,749.09	5,746.51	5,745.98	14.33	122.01	-162.998	352.76	-760.13	1,266.39	1,130.31	136.07	9.307		
5,900.00	5,846.35	5,843.76	5,843.24	14.74	124.02	-163.300	352.76	-760.13	1,288.72	1,150.25	138.47	9.307		
6,000.00	5,943.60	5,941.01	5,940.49	15.15	126.02	-163.592	352.76	-760.13	1,311.10	1,170.22	140.88	9.306		
6,100.00	6,040.85	6,039.07	6,038.53	15.57	128.04	-163.834	353.76	-760.13	1,333.76	1,190.45	143.31	9.307		
6,200.00	6,138.10	6,137.54	6,137.00	15.99	130.06	-164.127	353.37	-760.13	1,356.09	1,210.34	145.75	9.304		
6,300.00	6,235.35	6,232.82	6,232.24	16.41	132.04	-164.411	352.76	-760.13	1,378.39	1,230.25	148.14	9.304		
6,400.00	6,332.60	6,330.07	6,329.49	16.84	134.17	-164.666	352.76	-760.13	1,400.88	1,250.18	150.70	9.296		
6,500.00	6,429.85	6,427.32	6,426.74	17.27	136.31	-164.914	352.76	-760.13	1,423.40	1,270.14	153.26	9.287		
6,600.00	6,527.10	6,525.06	6,524.47	17.70	138.45	-165.124	353.54	-760.13	1,446.12	1,290.29	155.83	9.280		
6,700.00	6,624.35	6,623.21	6,622.62	18.14	140.61	-165.369	353.27	-760.13	1,468.62	1,310.19	158.43	9.270		
6,800.00	6,721.92	6,721.69	6,721.09	18.59	142.77	-165.700	352.76	-760.13	1,489.71	1,328.67	161.03	9.251		
6,900.00	6,820.20	6,817.77	6,817.09	19.03	145.08	-165.957	352.76	-760.13	1,507.63	1,343.85	163.78	9.205		
7,000.00	6,919.06	6,916.63	6,915.95	19.46	147.46	-166.165	352.76	-760.13	1,522.22	1,355.64	166.58	9.138		
7,100.00	7,018.38	7,016.82	7,016.11	19.87	149.87	-166.266	354.32	-760.13	1,533.81	1,364.42	169.39	9.055		
7,200.00	7,118.05	7,118.38	7,117.66	20.25	152.31	-166.394	353.80	-760.13	1,541.56	1,369.35	172.21	8.952		
7,300.00	7,217.94	7,220.19	7,219.45	20.58	154.76	-166.493	352.74	-760.13	1,545.81	1,370.82	174.99	8.834		
7,400.00	7,317.93	7,315.67	7,314.82	20.72	157.08	-77.126	352.76	-760.13	1,546.95	1,369.51	177.44	8.718		
7,500.00	7,417.93	7,415.67	7,414.82	20.78	159.51	-77.126	352.76	-760.13	1,546.95	1,367.02	179.92	8.598		
7,600.00	7,517.93	7,516.55	7,515.67	20.82	161.96	-77.069	354.33	-760.13	1,547.30	1,364.88	182.42	8.482		
7,700.00	7,617.93	7,618.44	7,617.55	20.87	164.43	-77.088	353.81	-760.13	1,547.18	1,362.24	184.94	8.366		
7,800.00	7,717.93	7,720.35	7,719.44	20.92	166.90	-77.126	352.74	-760.13	1,546.95	1,359.48	187.47	8.252		
7,833.93	7,751.86	7,749.77	7,748.75	20.94	167.65	-77.126	352.76	-760.13	1,546.95	1,358.73	188.22	8.219		
7,900.00	7,817.93	7,815.84	7,814.82	20.97	169.31	-77.126	352.76	-760.13	1,546.95	1,357.03	189.92	8.145		
8,000.00	7,917.93	7,915.84	7,914.82	21.01	171.83	-77.126	352.76	-760.13	1,546.95	1,354.46	192.48	8.037		
8,100.00	8,017.93	8,016.71	8,015.66	21.06	174.37	-77.069	354.34	-760.13	1,547.30	1,352.23	195.07	7.932		
8,200.00	8,117.93	8,118.60	8,117.54	21.11	176.94	-77.088	353.81	-760.13	1,547.18	1,349.49	197.69	7.826		
8,300.00	8,217.93	8,220.51	8,219.43	21.16	179.50	-77.126	352.75	-760.13	1,546.95	1,346.64	200.31	7.723		
8,334.48	8,252.41	8,250.53	8,249.30	21.18	180.26	-77.126	352.76	-760.13	1,546.95	1,345.86	201.08	7.693		
8,400.00	8,317.93	8,316.04	8,314.82	21.21	181.92	-77.126	352.76	-760.13	1,546.95	1,344.17	202.78	7.629		
8,500.00	8,417.93	8,416.04	8,414.82	21.26	184.46	-77.126	352.76	-760.13	1,546.95	1,341.59	205.36	7.533		
8,600.00	8,517.93	8,517.06	8,515.80	21.31	187.02	-77.059	354.60	-760.13	1,547.36	1,339.39	207.97	7.440		
8,700.00	8,617.93	8,619.29	8,618.01	21.35	189.61	-77.082	353.98	-760.13	1,547.22	1,336.61	210.61	7.346		
8,800.00	8,717.93	8,721.54	8,720.23	21.40	192.20	-77.127	352.73	-760.13	1,546.95	1,333.69	213.26	7.254		
8,803.67	8,721.59	8,725.28	8,723.98	21.41	192.30	-166.958	352.67	-760.13	1,546.94	1,333.58	213.36	7.250		
8,900.00	8,817.91	8,816.23	8,814.80	21.48	194.46	-166.944	352.76	-760.13	1,547.76	1,332.17	215.59	7.179		
9,000.00	8,916.79	8,915.11	8,913.68	21.94	196.81	-166.746	352.76	-760.13	1,561.45	1,343.06	218.39	7.150 SF		
9,100.00	9,011.73	9,010.80	9,009.35	22.47	199.09	-166.207	354.35	-760.13	1,592.03	1,370.83	221.20	7.197		
9,200.00	9,099.84	9,100.57	9,099.11	23.01	201.23	-165.366	353.94	-760.13	1,637.85	1,413.96	223.89	7.315		
9,300.00	9,178.45	9,180.67	9,179.20	23.52	203.14	-163.959	353.23	-760.13	1,697.94	1,471.61	226.33	7.502		
9,400.00	9,245.16	9,243.62	9,242.05	23.97	204.62	-161.483	352.76	-760.13	1,770.64	1,542.35	228.30	7.756		
9,500.00	9,297.95	9,296.41	9,294.84	24.35	205.85	-157.036	352.76	-760.13	1,853.83	1,623.91	229.93	8.063		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W16) LEAR STATE SWD 003 - 26703 - (Inc Only)												Offset Site Error: 0.00 usft		
Survey Program: 229-INC-ONLY												Offset Well Error: 0.00 usft		
Measured Depth (usft)	Reference Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,600.00	9,335.22	9,333.68	9,332.11	24.62	206.72	-147.897	352.76	-760.13	1,944.91	1,713.81	231.10	8.416		
9,700.00	9,355.84	9,354.30	9,352.73	24.78	207.20	-124.724	352.76	-760.13	2,041.12	1,809.34	231.79	8.806		



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (°)	Offset	Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-18.749	1,672.25	-567.61	1,765.99					
100.00	100.00	88.89	88.89	0.79	2.55	-18.749	1,672.25	-567.61	1,765.96	1,762.63	3.33	530.192		
200.00	200.00	188.89	188.89	1.45	5.41	-18.749	1,672.25	-567.61	1,765.96	1,759.11	6.85	257.635		
300.00	300.00	288.89	288.89	1.89	8.27	-18.749	1,672.25	-567.61	1,765.96	1,755.80	10.16	173.758		
400.00	400.00	388.89	388.89	2.25	11.13	-18.749	1,672.25	-567.61	1,765.96	1,752.57	13.39	131.900		
500.00	500.00	488.90	488.89	2.57	13.84	-18.749	1,672.25	-567.61	1,765.96	1,749.55	16.41	107.610		
600.00	600.00	588.90	588.89	2.85	16.52	-18.749	1,672.25	-567.61	1,765.96	1,746.59	19.37	91.166		
700.00	700.00	689.34	689.33	3.11	19.21	-18.743	1,672.84	-567.61	1,766.51	1,744.19	22.32	79.146		
800.00	800.00	792.15	792.14	3.35	21.96	-18.744	1,672.72	-567.61	1,766.41	1,741.09	25.31	69.781		
900.00	900.00	894.95	894.94	3.58	24.72	-18.747	1,672.44	-567.61	1,766.14	1,737.85	28.29	62.423		
1,000.00	1,000.00	988.92	988.89	3.79	26.94	-18.749	1,672.25	-567.61	1,765.96	1,735.23	30.73	57.472		
1,100.00	1,100.00	1,088.92	1,088.89	3.99	29.00	-18.749	1,672.25	-567.61	1,765.96	1,732.97	32.99	53.531		
1,200.00	1,200.00	1,188.92	1,188.89	4.19	31.05	-18.749	1,672.25	-567.61	1,765.96	1,730.72	35.24	50.107		
1,300.00	1,300.00	1,291.89	1,291.86	4.38	33.17	-18.744	1,672.71	-567.61	1,766.39	1,728.84	37.55	47.039		
1,400.00	1,400.00	1,394.91	1,394.88	4.56	35.29	-18.747	1,672.43	-567.61	1,766.14	1,726.29	39.85	44.315		
1,500.00	1,500.00	1,488.95	1,488.89	4.74	37.24	-18.749	1,672.25	-567.61	1,765.96	1,723.98	41.98	42.063		
1,600.00	1,600.00	1,588.95	1,588.89	4.91	39.34	-18.749	1,672.25	-567.61	1,765.96	1,721.71	44.25	39.910		
1,700.00	1,700.00	1,688.95	1,688.89	5.08	41.43	-18.749	1,672.25	-567.61	1,765.96	1,719.45	46.51	37.971		
1,800.00	1,800.00	1,793.42	1,793.36	5.24	43.62	-18.742	1,672.94	-567.61	1,766.61	1,717.76	48.86	36.158		
1,900.00	1,900.00	1,898.00	1,897.93	5.40	45.80	-18.746	1,672.52	-567.61	1,766.23	1,715.03	51.21	34.493		
2,000.00	2,000.00	1,989.00	1,988.89	5.56	47.81	-18.749	1,672.25	-567.61	1,765.96	1,712.59	53.37	33.090		
2,100.00	2,100.00	2,089.00	2,088.89	5.71	50.12	-18.749	1,672.25	-567.61	1,765.96	1,710.13	55.83	31.633		
2,200.00	2,200.00	2,189.00	2,188.89	5.86	52.42	-18.749	1,672.25	-567.61	1,765.96	1,707.68	58.28	30.299		
2,300.00	2,300.00	2,294.91	2,294.79	6.01	54.86	-18.739	1,673.17	-567.61	1,766.84	1,705.97	60.87	29.025		
2,400.00	2,400.00	2,401.11	2,400.97	6.16	57.31	-18.745	1,672.60	-567.61	1,766.33	1,702.86	63.47	27.831		
2,500.00	2,500.00	2,489.15	2,488.89	6.30	59.47	-18.749	1,672.25	-567.61	1,765.96	1,700.19	65.77	26.851		
2,600.00	2,600.00	2,589.15	2,588.89	6.44	62.07	-18.749	1,672.25	-567.61	1,765.96	1,697.45	68.51	25.777		
2,700.00	2,700.00	2,689.15	2,688.89	6.58	64.67	-18.749	1,672.25	-567.61	1,765.96	1,694.72	71.24	24.787		
2,800.00	2,800.00	2,794.14	2,793.83	6.71	67.39	-18.726	1,674.40	-567.61	1,768.00	1,693.89	74.11	23.857		
2,900.00	2,900.00	2,903.79	2,903.47	6.85	70.24	-18.733	1,673.76	-567.61	1,767.45	1,690.36	77.09	22.927		
3,000.00	3,000.00	3,013.46	3,013.11	6.98	73.09	-18.746	1,672.50	-567.61	1,766.36	1,686.29	80.07	22.061		
3,040.53	3,040.53	3,057.92	3,057.56	7.04	74.25	-18.753	1,671.80	-567.61	1,765.76	1,684.49	81.27	21.726 CC		
3,100.00	3,100.00	3,089.36	3,088.89	7.12	74.92	-18.749	1,672.25	-567.61	1,765.96	1,683.92	82.03	21.527		
3,200.00	3,200.00	3,189.36	3,188.89	7.25	77.28	-18.749	1,672.25	-567.61	1,765.96	1,681.44	84.52	20.893		
3,300.00	3,300.00	3,291.85	3,291.37	7.37	79.69	-18.736	1,673.49	-567.61	1,767.13	1,680.06	87.07	20.296		
3,400.00	3,400.00	3,400.49	3,400.00	7.50	82.25	-18.740	1,673.05	-567.61	1,766.74	1,676.99	89.76	19.684		
3,500.00	3,500.00	3,509.14	3,508.64	7.63	84.82	-18.751	1,672.05	-567.61	1,765.87	1,673.43	92.44	19.103		
3,501.41	3,501.41	3,510.67	3,510.16	7.63	84.85	-108.133	1,672.03	-567.61	1,765.86	1,673.38	92.48	19.095		
3,600.00	3,599.98	3,589.49	3,588.87	7.80	86.70	-108.173	1,672.25	-567.61	1,766.50	1,672.06	94.44	18.705		
3,700.00	3,699.84	3,689.35	3,688.73	7.98	89.04	-108.303	1,672.25	-567.61	1,768.14	1,671.26	96.89	18.250 ES		
3,800.00	3,799.45	3,795.84	3,795.18	8.16	91.53	-108.521	1,673.96	-567.61	1,772.53	1,673.04	99.49	17.816		
3,900.00	3,898.70	3,906.97	3,906.29	8.36	94.13	-108.884	1,673.11	-567.61	1,775.74	1,673.54	102.20	17.375		
4,000.00	3,997.47	3,987.12	3,986.36	8.59	95.96	-109.188	1,672.25	-567.61	1,779.98	1,675.83	104.16	17.090		
4,100.00	4,095.62	4,085.28	4,084.51	8.83	97.93	-109.634	1,672.25	-567.61	1,786.43	1,680.17	106.26	16.812		
4,200.00	4,193.08	4,184.71	4,183.93	9.02	99.93	-110.191	1,673.06	-567.61	1,794.97	1,686.61	108.36	16.565		
4,300.00	4,290.34	4,290.19	4,289.41	9.26	102.05	-110.931	1,672.67	-567.61	1,803.01	1,692.38	110.62	16.298		
4,400.00	4,387.59	4,377.30	4,376.48	9.50	103.87	-111.537	1,672.25	-567.61	1,811.21	1,698.62	112.60	16.086		
4,500.00	4,484.84	4,474.55	4,473.73	9.77	106.03	-112.203	1,672.25	-567.61	1,820.10	1,705.18	114.92	15.838		
4,600.00	4,582.09	4,571.80	4,570.98	10.05	108.19	-112.862	1,672.25	-567.61	1,829.24	1,711.98	117.25	15.601		
4,700.00	4,679.34	4,673.74	4,672.90	10.35	110.45	-113.535	1,673.22	-567.61	1,839.51	1,719.81	119.70	15.368		
4,800.00	4,776.59	4,777.10	4,776.26	10.66	112.74	-114.227	1,672.74	-567.61	1,848.73	1,726.55	122.19	15.130		
4,900.00	4,873.84	4,863.65	4,862.73	10.99	114.72	-114.803	1,672.25	-567.61	1,858.13	1,733.77	124.37	14.941		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W17) MAX STATE 001 - 26754 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 405-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Reference Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,971.09	4,960.90	4,959.98	11.32	117.13	-115.437	1,672.25	-567.61	1,868.25	1,741.26	126.99	14.712		
5,100.00	5,068.34	5,058.15	5,057.23	11.67	119.55	-116.064	1,672.25	-567.61	1,878.59	1,748.97	129.62	14.493		
5,200.00	5,165.59	5,155.40	5,154.48	12.03	121.96	-116.685	1,672.25	-567.61	1,889.17	1,756.91	132.26	14.283		
5,300.00	5,262.84	5,256.81	5,255.87	12.39	124.48	-117.300	1,674.00	-567.61	1,901.52	1,766.50	135.02	14.083		
5,400.00	5,360.09	5,359.64	5,358.68	12.77	127.03	-117.947	1,673.57	-567.61	1,912.18	1,774.37	137.82	13.875		
5,500.00	5,457.34	5,462.47	5,461.50	13.15	129.58	-118.592	1,672.81	-567.61	1,922.79	1,782.17	140.62	13.673		
5,600.00	5,554.59	5,544.53	5,543.48	13.54	131.51	-119.100	1,672.25	-567.61	1,933.71	1,790.90	142.82	13.540		
5,700.00	5,651.84	5,641.78	5,640.73	13.93	133.54	-119.687	1,672.25	-567.61	1,945.39	1,800.27	145.12	13.406		
5,800.00	5,749.09	5,739.04	5,737.98	14.33	135.57	-120.267	1,672.25	-567.61	1,957.27	1,809.84	147.43	13.276		
5,900.00	5,846.35	5,841.80	5,840.74	14.74	137.71	-120.859	1,673.13	-567.61	1,970.10	1,820.24	149.86	13.146		
6,000.00	5,943.60	5,945.50	5,944.43	15.15	139.87	-121.471	1,672.59	-567.61	1,981.95	1,829.63	152.32	13.012		
6,100.00	6,040.85	6,030.86	6,029.74	15.57	141.67	-121.967	1,672.25	-567.61	1,994.11	1,839.70	154.41	12.914		
6,200.00	6,138.10	6,128.11	6,126.99	15.99	143.73	-122.520	1,672.25	-567.61	2,006.79	1,850.00	156.78	12.800		
6,300.00	6,235.35	6,225.36	6,224.24	16.41	145.79	-123.066	1,672.25	-567.61	2,019.65	1,860.48	159.16	12.689		
6,400.00	6,332.60	6,327.77	6,326.64	16.84	147.96	-123.619	1,673.21	-567.61	2,033.49	1,871.83	161.66	12.579		
6,500.00	6,429.85	6,431.03	6,429.89	17.27	150.15	-124.192	1,672.71	-567.61	2,046.32	1,882.14	164.18	12.464		
6,600.00	6,527.10	6,517.19	6,515.99	17.70	152.02	-124.665	1,672.25	-567.61	2,059.33	1,892.95	166.38	12.377 SF		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)												Offset Site Error:	0.00 usft
Survey Program:	452-INC-ONLY											Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,700.00	9,360.00	9,368.44	9,366.89	138.02	223.68	-90.000	1,686.72	8,472.20	2,059.77	1,723.84	335.93	6.132	
15,800.00	9,360.00	9,368.44	9,366.89	140.07	223.68	-90.000	1,686.72	8,472.20	2,001.89	1,661.23	340.66	5.876	
15,900.00	9,360.00	9,368.44	9,366.89	142.13	223.68	-90.000	1,686.72	8,472.20	1,947.43	1,601.95	345.48	5.637	
16,000.00	9,360.00	9,368.44	9,366.89	144.19	223.68	-90.000	1,686.72	8,472.20	1,896.68	1,546.33	350.35	5.414	
16,100.00	9,360.00	9,368.44	9,366.89	146.25	223.68	-90.000	1,686.72	8,472.20	1,849.95	1,494.73	355.22	5.208	
16,200.00	9,360.00	9,368.44	9,366.89	148.31	223.68	-90.000	1,686.72	8,472.20	1,807.55	1,447.51	360.04	5.020	
16,300.00	9,360.00	9,368.44	9,366.89	150.37	223.68	-90.000	1,686.72	8,472.20	1,769.79	1,405.05	364.74	4.852	
16,400.00	9,360.00	9,368.44	9,366.89	152.42	223.68	-90.000	1,686.72	8,472.20	1,736.97	1,367.72	369.25	4.704	
16,500.00	9,360.00	9,368.44	9,366.89	154.48	223.68	-90.000	1,686.72	8,472.20	1,709.38	1,335.88	373.50	4.577	
16,600.00	9,360.00	9,368.44	9,366.89	156.54	223.68	-90.000	1,686.72	8,472.20	1,687.28	1,309.88	377.40	4.471	
16,700.00	9,360.00	9,368.44	9,366.89	158.60	223.68	-90.000	1,686.72	8,472.20	1,670.88	1,289.98	380.89	4.387	
16,800.00	9,360.00	9,368.44	9,366.89	160.66	223.68	-90.000	1,686.72	8,472.20	1,660.34	1,276.44	383.91	4.325	
16,900.00	9,360.00	9,368.44	9,366.89	162.73	223.68	-90.000	1,686.72	8,472.20	1,655.80	1,269.41	386.39	4.285	
16,925.41	9,360.00	9,368.44	9,366.89	163.25	223.68	-90.000	1,686.72	8,472.20	1,655.60	1,268.68	386.93	4.279 CC, ES	
17,000.00	9,360.00	9,368.44	9,366.89	164.79	223.68	-90.000	1,686.72	8,472.20	1,657.28	1,268.98	388.30	4.268 SF	
17,100.00	9,360.00	9,368.44	9,366.89	166.85	223.68	-90.000	1,686.72	8,472.20	1,664.78	1,275.16	389.62	4.273	
17,200.00	9,360.00	9,368.44	9,366.89	168.91	223.68	-90.000	1,686.72	8,472.20	1,678.22	1,287.86	390.36	4.299	
17,300.00	9,360.00	9,368.44	9,366.89	170.97	223.68	-90.000	1,686.72	8,472.20	1,697.45	1,306.91	390.54	4.346	
17,400.00	9,360.00	9,368.44	9,366.89	173.03	223.68	-90.000	1,686.72	8,472.20	1,722.28	1,332.10	390.19	4.414	
17,500.00	9,360.00	9,368.44	9,366.89	175.09	223.68	-90.000	1,686.72	8,472.20	1,752.48	1,363.13	389.35	4.501	
17,600.00	9,360.00	9,368.44	9,366.89	177.16	223.68	-90.000	1,686.72	8,472.20	1,787.76	1,399.67	388.09	4.607	
17,700.00	9,360.00	9,368.44	9,366.89	179.22	223.68	-90.000	1,686.72	8,472.20	1,827.84	1,441.38	386.47	4.730	
17,800.00	9,360.00	9,368.44	9,366.89	181.28	223.68	-90.000	1,686.72	8,472.20	1,872.41	1,487.87	384.54	4.869	
17,900.00	9,360.00	9,368.44	9,366.89	183.34	223.68	-90.000	1,686.72	8,472.20	1,921.16	1,538.78	382.37	5.024	
18,000.00	9,360.00	9,368.44	9,366.89	185.41	223.68	-90.000	1,686.72	8,472.20	1,973.77	1,593.75	380.02	5.194	
18,100.00	9,360.00	9,368.44	9,366.89	187.47	223.68	-90.000	1,686.72	8,472.20	2,029.95	1,652.41	377.54	5.377	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)													Offset Site Error:	0.00 usft
Survey Program: 400-INC-ONLY													Offset Well Error:	0.00 usft
Measured Depth (usft)	Reference Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore	Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,355.84	9,350.50	9,347.73	24.78	225.53	-55.711	359.61	3,201.32	1,980.56	1,730.33	250.23	7.915		
9,800.00	9,360.00	9,354.67	9,351.89	24.83	225.62	-90.000	359.61	3,201.32	1,882.33	1,631.93	250.40	7.517		
9,900.00	9,360.00	9,354.67	9,351.89	24.86	225.62	-90.000	359.61	3,201.32	1,784.11	1,533.64	250.46	7.123		
10,000.00	9,360.00	9,354.67	9,351.89	24.94	225.62	-90.000	359.61	3,201.32	1,686.10	1,435.55	250.55	6.730		
10,100.00	9,360.00	9,354.67	9,351.89	26.19	225.62	-90.000	359.61	3,201.32	1,588.33	1,337.68	250.65	6.337		
10,200.00	9,360.00	9,354.67	9,351.89	27.89	225.62	-90.000	359.61	3,201.32	1,490.87	1,240.08	250.79	5.945		
10,300.00	9,360.00	9,354.67	9,351.89	29.64	225.62	-90.000	359.61	3,201.32	1,393.76	1,142.80	250.96	5.554		
10,400.00	9,360.00	9,354.67	9,351.89	31.43	225.62	-90.000	359.61	3,201.32	1,297.09	1,045.90	251.19	5.164		
10,500.00	9,360.00	9,354.67	9,351.89	33.25	225.62	-90.000	359.61	3,201.32	1,200.97	949.47	251.50	4.775		
10,600.00	9,360.00	9,354.67	9,351.89	35.10	225.62	-90.000	359.61	3,201.32	1,105.54	853.63	251.91	4.389		
10,700.00	9,360.00	9,354.67	9,351.89	36.98	225.62	-90.000	359.61	3,201.32	1,010.99	758.54	252.45	4.005		
10,800.00	9,360.00	9,354.67	9,351.89	38.87	225.62	-90.000	359.61	3,201.32	917.60	664.40	253.20	3.624		
10,900.00	9,360.00	9,354.67	9,351.89	40.78	225.62	-90.000	359.61	3,201.32	825.75	571.52	254.23	3.248		
11,000.00	9,360.00	9,354.67	9,351.89	42.71	225.62	-90.000	359.61	3,201.32	736.03	480.38	255.65	2.879		
11,100.00	9,360.00	9,354.67	9,351.89	44.65	225.62	-90.000	359.61	3,201.32	649.33	391.68	257.65	2.520		
11,200.00	9,360.00	9,354.67	9,351.89	46.60	225.62	-90.000	359.61	3,201.32	567.02	306.58	260.44	2.177		
11,300.00	9,360.00	9,354.67	9,351.89	48.56	225.62	-90.000	359.61	3,201.32	491.32	227.06	264.26	1.859 Level 3		
11,400.00	9,360.00	9,354.67	9,351.89	50.53	225.62	-90.000	359.61	3,201.32	425.76	156.55	269.22	1.581 Level 3		
11,500.00	9,360.00	9,354.67	9,351.89	52.50	225.62	-90.000	359.61	3,201.32	375.71	100.84	274.86	1.367 Level 3		
11,600.00	9,360.00	9,354.67	9,351.89	54.49	225.62	-90.000	359.61	3,201.32	347.91	68.22	279.69	1.244 Level 3		
11,650.59	9,360.00	9,354.67	9,351.89	55.50	225.62	-90.000	359.61	3,201.32	344.21	63.09	281.12	1.224 Level 3, CC, ES, SF		
11,700.00	9,360.00	9,354.67	9,351.89	56.48	225.62	-90.000	359.61	3,201.32	347.74	66.12	281.62	1.235 Level 3		
11,800.00	9,360.00	9,354.67	9,351.89	58.47	225.62	-90.000	359.61	3,201.32	375.24	95.10	280.14	1.339 Level 3		
11,900.00	9,360.00	9,354.67	9,351.89	60.47	225.62	-90.000	359.61	3,201.32	425.07	148.34	276.74	1.536 Level 3		
12,000.00	9,360.00	9,354.67	9,351.89	62.48	225.62	-90.000	359.61	3,201.32	490.48	217.48	273.00	1.797 Level 3		
12,100.00	9,360.00	9,354.67	9,351.89	64.49	225.62	-90.000	359.61	3,201.32	566.08	296.40	269.69	2.099		
12,200.00	9,360.00	9,354.67	9,351.89	66.50	225.62	-90.000	359.61	3,201.32	648.33	381.35	266.98	2.428		
12,300.00	9,360.00	9,354.67	9,351.89	68.52	225.62	-90.000	359.61	3,201.32	734.99	470.15	264.84	2.775		
12,400.00	9,360.00	9,354.67	9,351.89	70.54	225.62	-90.000	359.61	3,201.32	824.68	561.53	263.14	3.134		
12,500.00	9,360.00	9,354.67	9,351.89	72.56	225.62	-90.000	359.61	3,201.32	916.50	654.70	261.80	3.501		
12,600.00	9,360.00	9,354.67	9,351.89	74.58	225.62	-90.000	359.61	3,201.32	1,009.88	749.16	260.72	3.873		
12,700.00	9,360.00	9,354.67	9,351.89	76.61	225.62	-90.000	359.61	3,201.32	1,104.42	844.56	259.86	4.250		
12,800.00	9,360.00	9,354.67	9,351.89	78.64	225.62	-90.000	359.61	3,201.32	1,199.84	940.70	259.15	4.630		
12,900.00	9,360.00	9,354.67	9,351.89	80.67	225.62	-90.000	359.61	3,201.32	1,295.96	1,037.39	258.57	5.012		
13,000.00	9,360.00	9,354.67	9,351.89	82.71	225.62	-90.000	359.61	3,201.32	1,392.62	1,134.54	258.08	5.396		
13,100.00	9,360.00	9,354.67	9,351.89	84.74	225.62	-90.000	359.61	3,201.32	1,489.72	1,232.04	257.68	5.781		
13,200.00	9,360.00	9,354.67	9,351.89	86.78	225.62	-90.000	359.61	3,201.32	1,587.18	1,329.84	257.35	6.168		
13,300.00	9,360.00	9,354.67	9,351.89	88.82	225.62	-90.000	359.61	3,201.32	1,684.94	1,427.88	257.06	6.555		
13,400.00	9,360.00	9,354.67	9,351.89	90.86	225.62	-90.000	359.61	3,201.32	1,782.95	1,526.13	256.82	6.942		
13,500.00	9,360.00	9,354.67	9,351.89	92.90	225.62	-90.000	359.61	3,201.32	1,881.17	1,624.55	256.62	7.331		
13,600.00	9,360.00	9,354.67	9,351.89	94.94	225.62	-90.000	359.61	3,201.32	1,979.57	1,723.12	256.45	7.719		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth Only)													Offset Site Error:	0.00 usft
Survey Program:	5482-BLIND - TREND												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Offset Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	79.216	358.11	1,880.11	1,914.22				
100.00	100.00	65.89	65.89	0.79	6.98	79.216	358.11	1,880.11	1,913.91	1,906.14	7.77	246.315		
200.00	200.00	165.89	165.89	1.45	17.58	79.216	358.11	1,880.11	1,913.91	1,894.88	19.03	100.570		
300.00	300.00	265.89	265.89	1.89	28.18	79.216	358.11	1,880.11	1,913.91	1,883.84	30.08	63.635		
400.00	400.00	365.89	365.89	2.25	38.78	79.216	358.11	1,880.11	1,913.91	1,872.88	41.04	46.637		
500.00	500.00	465.89	465.89	2.57	49.38	79.216	358.11	1,880.11	1,913.91	1,861.96	51.95	36.840		
600.00	600.00	565.89	565.89	2.85	59.98	79.216	358.11	1,880.11	1,913.91	1,851.08	62.83	30.460		
700.00	700.00	665.89	665.89	3.11	70.58	79.216	358.11	1,880.11	1,913.91	1,840.22	73.69	25.972		
800.00	800.00	765.89	765.89	3.35	81.18	79.216	358.11	1,880.11	1,913.91	1,829.38	84.53	22.641		
900.00	900.00	865.89	865.89	3.58	91.78	79.216	358.11	1,880.11	1,913.91	1,818.55	95.36	20.070		
1,000.00	1,000.00	965.89	965.89	3.79	102.38	79.216	358.11	1,880.11	1,913.91	1,807.74	106.17	18.026		
1,100.00	1,100.00	1,065.89	1,065.89	3.99	112.98	79.216	358.11	1,880.11	1,913.91	1,796.94	116.98	16.361		
1,200.00	1,200.00	1,165.89	1,165.89	4.19	123.58	79.216	358.11	1,880.11	1,913.91	1,786.14	127.78	14.979		
1,300.00	1,300.00	1,265.89	1,265.89	4.38	134.18	79.216	358.11	1,880.11	1,913.91	1,775.35	138.56	13.812		
1,400.00	1,400.00	1,365.89	1,365.89	4.56	144.78	79.216	358.11	1,880.11	1,913.91	1,764.57	149.35	12.815		
1,500.00	1,500.00	1,465.89	1,465.89	4.74	155.38	79.216	358.11	1,880.11	1,913.91	1,753.79	160.12	11.953		
1,600.00	1,600.00	1,565.89	1,565.89	4.91	165.98	79.216	358.11	1,880.11	1,913.91	1,743.02	170.90	11.199		
1,700.00	1,700.00	1,665.89	1,665.89	5.08	176.58	79.216	358.11	1,880.11	1,913.91	1,732.25	181.66	10.535		
1,800.00	1,800.00	1,765.89	1,765.89	5.24	187.18	79.216	358.11	1,880.11	1,913.91	1,721.49	192.43	9.946		
1,900.00	1,900.00	1,865.89	1,865.89	5.40	197.78	79.216	358.11	1,880.11	1,913.91	1,710.73	203.19	9.419		
2,000.00	2,000.00	1,965.89	1,965.89	5.56	208.38	79.216	358.11	1,880.11	1,913.91	1,699.97	213.94	8.946		
2,100.00	2,100.00	2,065.89	2,065.89	5.71	218.98	79.216	358.11	1,880.11	1,913.91	1,689.22	224.70	8.518		
2,200.00	2,200.00	2,165.89	2,165.89	5.86	229.58	79.216	358.11	1,880.11	1,913.91	1,678.47	235.45	8.129		
2,300.00	2,300.00	2,265.89	2,265.89	6.01	240.18	79.216	358.11	1,880.11	1,913.91	1,667.72	246.19	7.774		
2,400.00	2,400.00	2,365.89	2,365.89	6.16	250.78	79.216	358.11	1,880.11	1,913.91	1,656.97	256.94	7.449		
2,500.00	2,500.00	2,465.89	2,465.89	6.30	261.38	79.216	358.11	1,880.11	1,913.91	1,646.23	267.68	7.150		
2,600.00	2,600.00	2,565.89	2,565.89	6.44	271.98	79.216	358.11	1,880.11	1,913.91	1,635.49	278.42	6.874		
2,700.00	2,700.00	2,665.89	2,665.89	6.58	282.58	79.216	358.11	1,880.11	1,913.91	1,624.75	289.16	6.619		
2,800.00	2,800.00	2,765.89	2,765.89	6.71	293.18	79.216	358.11	1,880.11	1,913.91	1,614.02	299.90	6.382		
2,900.00	2,900.00	2,865.89	2,865.89	6.85	303.78	79.216	358.11	1,880.11	1,913.91	1,603.28	310.63	6.161		
3,000.00	3,000.00	2,965.89	2,965.89	6.98	314.38	79.216	358.11	1,880.11	1,913.91	1,592.55	321.37	5.956		
3,100.00	3,100.00	3,065.89	3,065.89	7.12	324.98	79.216	358.11	1,880.11	1,913.91	1,581.81	332.10	5.763		
3,200.00	3,200.00	3,165.89	3,165.89	7.25	335.58	79.216	358.11	1,880.11	1,913.91	1,571.08	342.83	5.583		
3,300.00	3,300.00	3,265.89	3,265.89	7.37	346.18	79.216	358.11	1,880.11	1,913.91	1,560.36	353.56	5.413		
3,400.00	3,400.00	3,365.89	3,365.89	7.50	356.78	79.216	358.11	1,880.11	1,913.91	1,549.63	364.29	5.254		
3,500.00	3,500.00	3,465.89	3,465.89	7.63	367.38	79.216	358.11	1,880.11	1,913.91	1,538.90	375.01	5.104		
3,600.00	3,599.98	3,565.87	3,565.87	7.80	377.98	-10.181	358.11	1,880.11	1,912.20	1,526.41	385.79	4.957		
3,700.00	3,699.84	3,665.73	3,665.73	7.98	388.57	-10.227	358.11	1,880.11	1,907.05	1,510.51	396.54	4.809		
3,800.00	3,799.45	3,765.34	3,765.34	8.16	399.13	-10.304	358.11	1,880.11	1,898.47	1,491.19	407.28	4.661		
3,900.00	3,898.70	3,864.59	3,864.59	8.36	409.65	-10.414	358.11	1,880.11	1,886.48	1,468.48	418.00	4.513		
4,000.00	3,997.47	3,963.36	3,963.36	8.59	420.12	-10.557	358.11	1,880.11	1,871.09	1,442.40	428.69	4.365		
4,100.00	4,095.62	4,061.51	4,061.51	8.83	430.52	-10.736	358.11	1,880.11	1,852.33	1,412.99	439.33	4.216		
4,200.00	4,193.08	4,158.97	4,158.97	9.02	440.85	-10.928	358.11	1,880.11	1,830.33	1,380.48	449.85	4.069		
4,300.00	4,290.34	4,256.23	4,256.23	9.26	451.16	-11.068	358.11	1,880.11	1,807.45	1,347.06	460.39	3.926		
4,400.00	4,387.59	4,353.48	4,353.48	9.50	461.47	-11.212	358.11	1,880.11	1,784.58	1,313.64	470.94	3.789		
4,500.00	4,484.84	4,450.73	4,450.73	9.77	471.78	-11.359	358.11	1,880.11	1,761.72	1,280.20	481.51	3.659		
4,600.00	4,582.09	4,547.98	4,547.98	10.05	482.09	-11.510	358.11	1,880.11	1,738.87	1,246.77	492.10	3.534		
4,700.00	4,679.34	4,645.23	4,645.23	10.35	492.39	-11.665	358.11	1,880.11	1,716.03	1,213.33	502.70	3.414		
4,800.00	4,776.59	4,742.48	4,742.48	10.66	502.70	-11.824	358.11	1,880.11	1,693.20	1,179.89	513.32	3.299		
4,900.00	4,873.84	4,839.73	4,839.73	10.99	513.01	-11.987	358.11	1,880.11	1,670.39	1,146.45	523.94	3.188		
5,000.00	4,971.09	4,936.98	4,936.98	11.32	523.32	-12.155	358.11	1,880.11	1,647.59	1,113.01	534.58	3.082		
5,100.00	5,068.34	5,034.23	5,034.23	11.67	533.63	-12.328	358.11	1,880.11	1,624.81	1,079.57	545.23	2.980		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond Pad Offsets - (W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth Only)													Offset Site Error:	0.00 usft	Offset Well Error:	0.00 usft						
Survey Program:	5482-BLIND - TREND												Offset Well Error:	0.00 usft								
	Reference	Measured	Vertical	Measured	Vertical	Offset	Semi	Major	Axis	Offset	Highside	Toolface	Offset Wellbore	Centre	Distance	Rule Assigned:	Between	Between	Minimum	Separation	Factor	Warning
Measured	Vertical	Depth	Measured	Vertical	Depth	Offset	Reference	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S	(usft)	+E/-W	(usft)	Between Centres	Between Ellipses	(usft)	(usft)		
5,200.00	5,165.59	5,131.48	5,131.48	5,131.48	5,131.48	12.03	543.94	-12.506	358.11	1,880.11	1,602.03	1,046.15	555.89	2.882								
5,300.00	5,262.84	5,228.73	5,228.73	5,228.73	5,228.73	12.39	554.25	-12.688	358.11	1,880.11	1,579.28	1,012.72	566.55	2.788								
5,400.00	5,360.09	5,325.98	5,325.98	5,325.98	5,325.98	12.77	564.55	-12.876	358.11	1,880.11	1,556.54	979.31	577.23	2.697								
5,500.00	5,457.34	5,423.23	5,423.23	5,423.23	5,423.23	13.15	574.86	-13.070	358.11	1,880.11	1,533.81	945.90	587.91	2.609								
5,600.00	5,554.59	5,482.00	5,482.00	5,482.00	5,482.00	13.54	581.09	-13.190	358.11	1,880.11	1,511.60	917.24	594.36	2.543								
5,700.00	5,651.84	5,482.00	5,482.00	5,482.00	5,482.00	13.93	581.09	-13.190	358.11	1,880.11	1,494.59	902.00	592.60	2.522 SF								
5,800.00	5,749.09	5,482.00	5,482.00	5,482.00	5,482.00	14.33	581.09	-13.190	358.11	1,880.11	1,484.15	895.93	588.22	2.523 ES								
5,900.00	5,846.35	5,482.00	5,482.00	5,482.00	5,482.00	14.74	581.09	-13.190	358.11	1,880.11	1,480.40	899.22	581.18	2.547								
5,905.57	5,851.76	5,482.00	5,482.00	5,482.00	5,482.00	14.76	581.09	-13.190	358.11	1,880.11	1,480.39	899.68	580.71	2.549 CC								
6,000.00	5,943.60	5,482.00	5,482.00	5,482.00	5,482.00	15.15	581.09	-13.190	358.11	1,880.11	1,483.40	911.86	571.53	2.595								
6,100.00	6,040.85	5,482.00	5,482.00	5,482.00	5,482.00	15.57	581.09	-13.190	358.11	1,880.11	1,493.10	933.66	559.44	2.669								
6,200.00	6,138.10	5,482.00	5,482.00	5,482.00	5,482.00	15.99	581.09	-13.190	358.11	1,880.11	1,509.38	964.22	545.16	2.769								
6,300.00	6,235.35	5,482.00	5,482.00	5,482.00	5,482.00	16.41	581.09	-13.190	358.11	1,880.11	1,532.03	1,003.01	529.02	2.896								
6,400.00	6,332.60	5,482.00	5,482.00	5,482.00	5,482.00	16.84	581.09	-13.190	358.11	1,880.11	1,560.77	1,049.38	511.39	3.052								
6,500.00	6,429.85	5,482.00	5,482.00	5,482.00	5,482.00	17.27	581.09	-13.190	358.11	1,880.11	1,595.27	1,102.62	492.65	3.238								
6,600.00	6,527.10	5,482.00	5,482.00	5,482.00	5,482.00	17.70	581.09	-13.190	358.11	1,880.11	1,635.17	1,161.98	473.19	3.456								
6,700.00	6,624.35	5,482.00	5,482.00	5,482.00	5,482.00	18.14	581.09	-13.190	358.11	1,880.11	1,680.08	1,226.74	453.33	3.706								
6,800.00	6,721.92	5,482.00	5,482.00	5,482.00	5,482.00	18.59	581.09	-13.439	358.11	1,880.11	1,730.81	1,297.24	433.57	3.992								
6,900.00	6,820.20	5,482.00	5,482.00	5,482.00	5,482.00	19.03	581.09	-13.772	358.11	1,880.11	1,788.46	1,374.01	414.45	4.315								
7,000.00	6,919.06	5,482.00	5,482.00	5,482.00	5,482.00	19.46	581.09	-14.173	358.11	1,880.11	1,852.32	1,456.04	396.28	4.674								
7,100.00	7,018.38	5,482.00	5,482.00	5,482.00	5,482.00	19.87	581.09	-14.653	358.11	1,880.11	1,921.70	1,542.42	379.28	5.067								
7,200.00	7,118.05	5,482.00	5,482.00	5,482.00	5,482.00	20.25	581.09	-15.225	358.11	1,880.11	1,995.94	1,632.36	363.58	5.490								

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre			Rule Assigned:				Warning
							+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	171.274	-19.74	3.03	20.00					
100.00	100.00	98.99	98.99	0.79	0.78	171.274	-19.74	3.03	19.97	18.41	1.56	12.775		
200.00	200.00	198.99	198.99	1.45	1.44	171.274	-19.74	3.03	19.97	17.09	2.89	6.921		
300.00	300.00	298.99	298.99	1.89	1.89	171.274	-19.74	3.03	19.97	16.19	3.78	5.285		
400.00	400.00	398.99	398.99	2.25	2.25	171.274	-19.74	3.03	19.97	15.47	4.50	4.434		
500.00	500.00	498.99	498.99	2.57	2.56	171.274	-19.74	3.03	19.97	14.84	5.13	3.891		
600.00	600.00	598.99	598.99	2.85	2.85	171.274	-19.74	3.03	19.97	14.27	5.70	3.506		
700.00	700.00	698.99	698.99	3.11	3.11	171.274	-19.74	3.03	19.97	13.76	6.21	3.214		
800.00	800.00	798.99	798.99	3.35	3.35	171.274	-19.74	3.03	19.97	13.28	6.70	2.983		
900.00	900.00	898.99	898.99	3.58	3.57	171.274	-19.74	3.03	19.97	12.82	7.15	2.794		
1,000.00	1,000.00	998.99	998.99	3.79	3.79	171.274	-19.74	3.03	19.97	12.39	7.58	2.636		
1,100.00	1,100.00	1,098.99	1,098.99	3.99	3.99	171.274	-19.74	3.03	19.97	11.98	7.99	2.500		
1,200.00	1,200.00	1,198.99	1,198.99	4.19	4.19	171.274	-19.74	3.03	19.97	11.59	8.38	2.383		
1,300.00	1,300.00	1,298.99	1,298.99	4.38	4.38	171.274	-19.74	3.03	19.97	11.21	8.76	2.280		
1,400.00	1,400.00	1,398.99	1,398.99	4.56	4.56	171.274	-19.74	3.03	19.97	10.85	9.12	2.189		
1,500.00	1,500.00	1,498.99	1,498.99	4.74	4.74	171.274	-19.74	3.03	19.97	10.49	9.48	2.107		
1,600.00	1,600.00	1,598.99	1,598.99	4.91	4.91	171.274	-19.74	3.03	19.97	10.15	9.82	2.033		
1,700.00	1,700.00	1,698.99	1,698.99	5.08	5.08	171.274	-19.74	3.03	19.97	9.81	10.16	1.966 Level 3		
1,800.00	1,800.00	1,798.99	1,798.99	5.24	5.24	171.274	-19.74	3.03	19.97	9.49	10.48	1.905 Level 3		
1,900.00	1,900.00	1,898.99	1,898.99	5.40	5.40	171.274	-19.74	3.03	19.97	9.17	10.80	1.849 Level 3		
2,000.00	2,000.00	1,998.99	1,998.99	5.56	5.56	171.274	-19.74	3.03	19.97	8.86	11.12	1.797 Level 3, CC, ES, SF		
2,100.00	2,100.00	2,098.32	2,098.30	5.71	5.77	169.602	-21.19	3.89	21.56	10.08	11.47	1.879 Level 3		
2,200.00	2,200.00	2,197.40	2,197.24	5.86	5.98	165.768	-25.59	6.49	26.46	14.65	11.81	2.240		
2,300.00	2,300.00	2,296.01	2,295.48	6.01	6.20	161.808	-32.89	10.81	34.80	22.64	12.16	2.862		
2,400.00	2,400.00	2,393.92	2,392.68	6.16	6.45	158.670	-43.01	16.80	46.61	34.09	12.52	3.724		
2,500.00	2,500.00	2,490.92	2,488.52	6.30	6.70	156.409	-55.86	24.39	61.84	48.96	12.88	4.801		
2,600.00	2,600.00	2,586.79	2,582.70	6.44	6.98	154.817	-71.28	33.52	80.44	67.18	13.25	6.069		
2,700.00	2,700.00	2,681.35	2,674.95	6.58	7.27	153.687	-89.15	44.09	102.32	88.68	13.64	7.504		
2,800.00	2,800.00	2,774.42	2,765.03	6.71	7.58	152.870	-109.29	56.00	127.41	113.38	14.02	9.085		
2,900.00	2,900.00	2,865.85	2,852.72	6.85	7.90	152.267	-131.51	69.14	155.61	141.19	14.42	10.792		
3,000.00	3,000.00	2,956.66	2,939.00	6.98	8.17	151.807	-155.90	83.57	186.78	172.00	14.78	12.641		
3,100.00	3,100.00	3,051.35	3,028.66	7.12	8.47	151.453	-182.10	99.06	218.90	203.68	15.22	14.378		
3,200.00	3,200.00	3,146.04	3,118.33	7.25	8.79	151.190	-208.30	114.56	251.03	235.33	15.71	15.983		
3,300.00	3,300.00	3,240.74	3,208.00	7.37	9.13	150.986	-234.49	130.06	283.16	266.96	16.20	17.477		
3,400.00	3,400.00	3,335.43	3,297.67	7.50	9.48	150.824	-260.69	145.55	315.30	298.59	16.71	18.868		
3,500.00	3,500.00	3,430.12	3,387.33	7.63	9.84	150.692	-286.89	161.05	347.44	330.20	17.23	20.163		
3,600.00	3,599.98	3,525.08	3,477.25	7.80	10.21	160.867	-313.16	176.59	378.77	361.01	17.76	21.325		
3,700.00	3,699.84	3,620.47	3,567.58	7.98	10.60	160.885	-339.56	192.20	408.51	390.22	18.29	22.334		
3,800.00	3,799.45	3,716.20	3,658.23	8.16	11.00	161.275	-366.04	207.87	436.69	417.86	18.83	23.188		
3,900.00	3,898.70	3,812.14	3,749.08	8.36	11.40	161.973	-392.59	223.57	463.40	444.02	19.38	23.907		
4,000.00	3,997.47	3,908.18	3,840.02	8.59	11.81	162.935	-419.16	239.28	488.76	468.82	19.94	24.510		
4,100.00	4,095.62	4,004.19	3,930.93	8.83	12.23	164.127	-445.72	255.00	512.91	492.41	20.50	25.019		
4,200.00	4,193.08	4,100.07	4,021.73	9.02	12.66	165.624	-472.25	270.69	536.09	515.08	21.02	25.510		
4,300.00	4,290.34	4,195.90	4,112.47	9.26	13.08	167.376	-498.76	286.37	559.41	537.83	21.57	25.929		
4,400.00	4,387.59	4,291.73	4,203.22	9.50	13.52	168.990	-525.28	302.05	583.19	561.05	22.13	26.349		
4,500.00	4,484.84	4,387.56	4,293.96	9.77	13.96	170.480	-551.79	317.74	607.38	584.69	22.69	26.763		
4,600.00	4,582.09	4,483.39	4,384.70	10.05	14.40	171.858	-578.31	333.42	631.94	608.68	23.26	27.169		
4,700.00	4,679.34	4,579.23	4,475.45	10.35	14.84	173.134	-604.82	349.10	656.82	633.00	23.83	27.566		
4,800.00	4,776.59	4,675.06	4,566.19	10.66	15.29	174.318	-631.33	364.78	682.00	657.60	24.40	27.953		
4,900.00	4,873.84	4,770.89	4,656.94	10.99	15.75	175.419	-657.85	380.47	707.43	682.46	24.97	28.330		
5,000.00	4,971.09	4,866.72	4,747.68	11.32	16.20	176.445	-684.36	396.15	733.09	707.55	25.55	28.696		
5,100.00	5,068.34	4,962.55	4,838.43	11.67	16.66	177.402	-710.88	411.83	758.97	732.84	26.13	29.050		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,165.59	5,058.38	4,929.17	12.03	17.12	78.297	-737.39	427.51	785.03	758.32	26.71	29.393		
5,300.00	5,262.84	5,154.21	5,019.92	12.39	17.58	79.134	-763.90	443.20	811.25	783.96	27.29	29.724		
5,400.00	5,360.09	5,250.04	5,110.66	12.77	18.04	79.920	-790.42	458.88	837.64	809.76	27.88	30.044		
5,500.00	5,457.34	5,345.87	5,201.40	13.15	18.51	80.659	-816.93	474.56	864.16	835.69	28.47	30.352		
5,600.00	5,554.59	5,441.70	5,292.15	13.54	18.97	81.353	-843.44	490.25	890.81	861.74	29.06	30.649		
5,700.00	5,651.84	5,537.53	5,382.89	13.93	19.44	82.008	-869.96	505.93	917.57	887.91	29.66	30.935		
5,800.00	5,749.09	5,633.36	5,473.64	14.33	19.91	82.626	-896.47	521.61	944.44	914.18	30.26	31.210		
5,900.00	5,846.35	5,729.19	5,564.38	14.74	20.38	83.210	-922.99	537.29	971.41	940.55	30.86	31.475		
6,000.00	5,943.60	5,825.02	5,655.13	15.15	20.86	83.763	-949.50	552.98	998.47	967.00	31.47	31.729		
6,100.00	6,040.85	5,920.85	5,745.87	15.57	21.33	84.287	-976.01	568.66	1,025.61	993.53	32.08	31.974		
6,200.00	6,138.10	6,016.68	5,836.61	15.99	21.81	84.784	-1,002.53	584.34	1,052.82	1,020.14	32.69	32.209		
6,300.00	6,235.35	6,112.51	5,927.36	16.41	22.28	85.256	-1,029.04	600.02	1,080.11	1,046.81	33.30	32.435		
6,400.00	6,332.60	6,208.34	6,018.10	16.84	22.76	85.705	-1,055.56	615.71	1,107.46	1,073.54	33.92	32.652		
6,500.00	6,429.85	6,304.17	6,108.85	17.27	23.24	86.132	-1,082.07	631.39	1,134.87	1,100.34	34.54	32.861		
6,600.00	6,527.10	6,400.00	6,199.59	17.70	23.72	86.539	-1,108.58	647.07	1,162.34	1,127.18	35.16	33.062		
6,700.00	6,624.35	6,495.83	6,290.34	18.14	24.20	86.928	-1,135.10	662.76	1,189.86	1,154.07	35.79	33.248		
6,800.00	6,721.92	6,593.00	6,382.35	18.59	24.68	87.756	-1,161.98	678.66	1,217.49	1,181.08	36.41	33.437		
6,900.00	6,820.20	6,747.01	6,529.49	19.03	25.48	88.577	-1,201.04	701.76	1,242.93	1,205.55	37.38	33.252		
7,000.00	6,919.06	6,904.38	6,682.15	19.46	26.26	89.226	-1,233.87	721.18	1,263.89	1,225.66	38.23	33.062		
7,100.00	7,018.38	7,064.54	6,839.43	19.87	27.01	89.714	-1,259.83	736.53	1,280.19	1,241.24	38.95	32.869		
7,200.00	7,118.05	7,226.84	7,000.27	20.25	27.72	90.049	-1,278.37	747.50	1,291.68	1,252.16	39.53	32.679		
7,300.00	7,217.94	7,390.56	7,163.50	20.58	28.35	90.238	-1,289.10	753.85	1,298.29	1,258.35	39.94	32.507		
7,400.00	7,317.93	7,544.04	7,316.92	20.72	28.71	179.666	-1,291.90	755.50	1,300.00	1,259.93	40.07	32.442		
7,500.00	7,417.93	7,644.04	7,416.92	20.78	28.73	179.666	-1,291.90	755.50	1,300.00	1,259.82	40.18	32.352		
7,600.00	7,517.93	7,744.04	7,516.92	20.82	28.75	179.666	-1,291.90	755.50	1,300.00	1,259.72	40.28	32.271		
7,700.00	7,617.93	7,844.04	7,616.92	20.87	28.77	179.666	-1,291.90	755.50	1,300.00	1,259.62	40.39	32.190		
7,800.00	7,717.93	7,944.04	7,716.92	20.92	28.79	179.666	-1,291.90	755.50	1,300.00	1,259.51	40.49	32.109		
7,900.00	7,817.93	8,044.04	7,816.92	20.97	28.81	179.666	-1,291.90	755.50	1,300.00	1,259.41	40.59	32.028		
8,000.00	7,917.93	8,144.04	7,916.92	21.01	28.83	179.666	-1,291.90	755.50	1,300.00	1,259.31	40.69	31.948		
8,100.00	8,017.93	8,244.04	8,016.92	21.06	28.85	179.666	-1,291.90	755.50	1,300.00	1,259.21	40.79	31.868		
8,200.00	8,117.93	8,344.04	8,116.92	21.11	28.87	179.666	-1,291.90	755.50	1,300.00	1,259.11	40.90	31.788		
8,300.00	8,217.93	8,444.04	8,216.92	21.16	28.90	179.666	-1,291.90	755.50	1,300.00	1,259.00	41.00	31.708		
8,400.00	8,317.93	8,544.04	8,316.92	21.21	28.92	179.666	-1,291.90	755.50	1,300.00	1,258.90	41.10	31.628		
8,500.00	8,417.93	8,644.04	8,416.92	21.26	28.94	179.666	-1,291.90	755.50	1,300.00	1,258.80	41.21	31.549		
8,600.00	8,517.93	8,744.04	8,516.92	21.31	28.96	179.666	-1,291.90	755.50	1,300.00	1,258.69	41.31	31.469		
8,700.00	8,617.93	8,844.04	8,616.92	21.35	28.99	179.666	-1,291.90	755.50	1,300.00	1,258.59	41.41	31.390		
8,800.00	8,717.93	8,944.04	8,716.92	21.40	29.01	179.666	-1,291.90	755.50	1,300.00	1,258.48	41.52	31.311		
8,900.00	8,817.91	9,043.85	8,816.71	21.48	29.05	89.839	-1,291.90	756.27	1,300.00	1,258.39	41.62	31.238		
9,000.00	8,916.79	9,143.23	8,915.03	21.94	29.28	89.851	-1,291.86	769.98	1,300.00	1,258.22	41.78	31.117		
9,037.38	8,952.90	9,180.40	8,950.95	22.14	29.38	89.856	-1,291.83	779.45	1,300.00	1,258.11	41.89	31.033		
9,100.00	9,011.73	9,242.68	9,009.55	22.47	29.56	89.867	-1,291.77	800.47	1,300.00	1,257.91	42.09	30.883		
9,125.73	9,035.17	9,268.28	9,032.91	22.61	29.63	89.872	-1,291.74	810.94	1,300.00	1,257.78	42.22	30.791		
9,200.00	9,099.84	9,342.19	9,097.44	23.01	29.85	89.887	-1,291.63	846.87	1,300.00	1,257.39	42.61	30.512		
9,225.47	9,120.86	9,367.55	9,118.45	23.14	29.93	89.893	-1,291.59	861.07	1,300.00	1,257.21	42.79	30.381		
9,300.00	9,178.45	9,441.79	9,176.06	23.52	30.16	89.911	-1,291.45	907.81	1,300.00	1,256.64	43.36	29.983		
9,326.67	9,197.49	9,468.37	9,195.15	23.64	30.24	89.918	-1,291.39	926.31	1,300.00	1,256.37	43.63	29.798		
9,400.00	9,245.16	9,541.49	9,243.01	23.97	30.46	89.937	-1,291.23	981.52	1,300.00	1,255.59	44.41	29.276		
9,428.38	9,261.63	9,569.80	9,259.59	24.08	30.55	89.945	-1,291.16	1,004.46	1,300.00	1,255.21	44.79	29.027		
9,500.00	9,297.95	9,641.29	9,296.24	24.35	30.78	89.965	-1,290.98	1,065.79	1,300.00	1,254.20	45.79	28.389		
9,531.19	9,311.31	9,672.44	9,309.76	24.43	30.89	89.974	-1,290.89	1,093.85	1,300.00	1,253.68	46.32	28.065		
9,600.00	9,335.22	9,741.21	9,334.09	24.62	31.14	89.995	-1,290.70	1,158.12	1,300.00	1,252.46	47.54	27.348		
9,610.36	9,338.15	9,751.57	9,337.08	24.64	31.18	89.998	-1,290.67	1,168.04	1,300.00	1,252.26	47.74	27.231		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Warning	
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,700.00	9,355.84	9,841.24	9,355.37	24.78	31.56	90.024	-1,290.41	1,255.74	1,300.00	1,250.40	49.60	26.210		
9,758.28	9,360.81	9,899.56	9,359.81	24.81	31.84	90.001	-1,290.24	1,313.86	1,300.00	1,249.07	50.93	25.526		
9,800.00	9,360.00	9,941.34	9,360.00	24.83	32.07	90.045	-1,290.11	1,355.64	1,300.00	1,248.09	51.91	25.045		
9,800.00	9,360.00	9,941.34	9,360.00	24.83	32.07	90.045	-1,290.11	1,355.64	1,300.00	1,248.09	51.91	25.045		
9,900.00	9,360.00	10,041.34	9,360.00	24.86	32.73	90.045	-1,289.81	1,455.64	1,300.00	1,245.57	54.43	23.885		
9,900.00	9,360.00	10,041.34	9,360.00	24.86	32.73	90.045	-1,289.81	1,455.64	1,300.00	1,245.57	54.43	23.885		
10,000.00	9,360.00	10,141.34	9,360.00	24.94	33.54	90.045	-1,289.52	1,555.64	1,300.00	1,242.87	57.13	22.755		
10,000.00	9,360.00	10,141.34	9,360.00	24.94	33.54	90.045	-1,289.52	1,555.64	1,300.00	1,242.87	57.13	22.755		
10,100.00	9,360.00	10,241.34	9,360.00	26.19	34.50	90.045	-1,289.22	1,655.64	1,300.00	1,240.01	59.99	21.671		
10,100.00	9,360.00	10,241.34	9,360.00	26.19	34.50	90.045	-1,289.22	1,655.64	1,300.00	1,240.01	59.99	21.671		
10,200.00	9,360.00	10,341.34	9,360.00	27.89	35.59	90.045	-1,288.92	1,755.64	1,300.00	1,237.01	62.98	20.640		
10,200.00	9,360.00	10,341.34	9,360.00	27.89	35.59	90.045	-1,288.92	1,755.64	1,300.00	1,237.01	62.98	20.640		
10,300.00	9,360.00	10,441.34	9,360.00	29.64	36.81	90.045	-1,288.62	1,855.64	1,300.00	1,233.90	66.10	19.667		
10,300.00	9,360.00	10,441.34	9,360.00	29.64	36.81	90.045	-1,288.62	1,855.64	1,300.00	1,233.90	66.10	19.667		
10,400.00	9,360.00	10,541.34	9,360.00	31.43	38.13	90.045	-1,288.32	1,955.64	1,300.00	1,230.68	69.32	18.755		
10,400.00	9,360.00	10,541.34	9,360.00	31.43	38.13	90.045	-1,288.32	1,955.64	1,300.00	1,230.68	69.32	18.755		
10,500.00	9,360.00	10,641.34	9,360.00	33.25	39.54	90.045	-1,288.02	2,055.64	1,300.00	1,227.37	72.62	17.901		
10,500.00	9,360.00	10,641.34	9,360.00	33.25	39.54	90.045	-1,288.02	2,055.64	1,300.00	1,227.37	72.62	17.901		
10,600.00	9,360.00	10,741.34	9,360.00	35.10	41.01	90.045	-1,287.73	2,155.64	1,300.00	1,223.99	76.01	17.103		
10,600.00	9,360.00	10,741.34	9,360.00	35.10	41.01	90.045	-1,287.73	2,155.64	1,300.00	1,223.99	76.01	17.103		
10,700.00	9,360.00	10,841.34	9,360.00	36.98	42.56	90.045	-1,287.43	2,255.64	1,300.00	1,220.54	79.46	16.360		
10,700.00	9,360.00	10,841.34	9,360.00	36.98	42.56	90.045	-1,287.43	2,255.64	1,300.00	1,220.54	79.46	16.360		
10,800.00	9,360.00	10,941.34	9,360.00	38.87	44.15	90.045	-1,287.13	2,355.64	1,300.00	1,217.02	82.98	15.667		
10,800.00	9,360.00	10,941.34	9,360.00	38.87	44.15	90.045	-1,287.13	2,355.64	1,300.00	1,217.02	82.98	15.667		
10,900.00	9,360.00	11,041.34	9,360.00	40.78	45.79	90.045	-1,286.83	2,455.64	1,300.00	1,213.45	86.54	15.021		
10,900.00	9,360.00	11,041.34	9,360.00	40.78	45.79	90.045	-1,286.83	2,455.64	1,300.00	1,213.45	86.54	15.021		
11,000.00	9,360.00	11,141.34	9,360.00	42.71	47.47	90.045	-1,286.53	2,555.64	1,300.00	1,209.84	90.16	14.419		
11,000.00	9,360.00	11,141.34	9,360.00	42.71	47.47	90.045	-1,286.53	2,555.64	1,300.00	1,209.84	90.16	14.419		
11,100.00	9,360.00	11,241.34	9,360.00	44.65	49.18	90.045	-1,286.24	2,655.64	1,300.00	1,206.18	93.81	13.857		
11,100.00	9,360.00	11,241.34	9,360.00	44.65	49.18	90.045	-1,286.24	2,655.64	1,300.00	1,206.18	93.81	13.857		
11,200.00	9,360.00	11,341.34	9,360.00	46.60	50.92	90.045	-1,285.94	2,755.64	1,300.00	1,202.49	97.51	13.332		
11,200.00	9,360.00	11,341.34	9,360.00	46.60	50.92	90.045	-1,285.94	2,755.64	1,300.00	1,202.49	97.51	13.332		
11,300.00	9,360.00	11,441.34	9,360.00	48.56	52.69	90.045	-1,285.64	2,855.63	1,300.00	1,198.76	101.24	12.841		
11,300.00	9,360.00	11,441.34	9,360.00	48.56	52.69	90.045	-1,285.64	2,855.63	1,300.00	1,198.76	101.24	12.841		
11,400.00	9,360.00	11,541.34	9,360.00	50.53	54.48	90.045	-1,285.34	2,955.63	1,300.00	1,195.00	105.00	12.382		
11,400.00	9,360.00	11,541.34	9,360.00	50.53	54.48	90.045	-1,285.34	2,955.64	1,300.00	1,195.00	105.00	12.382		
11,500.00	9,360.00	11,641.34	9,360.00	52.50	56.29	90.045	-1,285.04	3,055.63	1,300.00	1,191.22	108.78	11.951		
11,500.00	9,360.00	11,641.34	9,360.00	52.50	56.29	90.045	-1,285.04	3,055.64	1,300.00	1,191.22	108.78	11.951		
11,600.00	9,360.00	11,741.34	9,360.00	54.49	58.11	90.045	-1,284.74	3,155.63	1,300.00	1,187.41	112.59	11.546		
11,600.00	9,360.00	11,741.34	9,360.00	54.49	58.11	90.045	-1,284.74	3,155.64	1,300.00	1,187.41	112.59	11.546		
11,700.00	9,360.00	11,841.34	9,360.00	56.48	59.96	90.045	-1,284.45	3,255.63	1,300.00	1,183.58	116.42	11.166		
11,700.00	9,360.00	11,841.34	9,360.00	56.48	59.96	90.045	-1,284.45	3,255.63	1,300.00	1,183.58	116.42	11.166		
11,800.00	9,360.00	11,941.34	9,360.00	58.47	61.82	90.045	-1,284.15	3,355.63	1,300.00	1,179.73	120.27	10.809		
11,800.00	9,360.00	11,941.34	9,360.00	58.47	61.82	90.045	-1,284.15	3,355.63	1,300.00	1,179.73	120.27	10.809		
11,900.00	9,360.00	12,041.34	9,360.00	60.47	63.69	90.045	-1,283.85	3,455.63	1,300.00	1,175.86	124.14	10.472		
11,900.00	9,360.00	12,041.34	9,360.00	60.47	63.69	90.045	-1,283.85	3,455.63	1,300.00	1,175.86	124.14	10.472		
12,000.00	9,360.00	12,141.34	9,360.00	62.48	65.58	90.045	-1,283.55	3,555.63	1,300.00	1,171.97	128.03	10.154		
12,000.00	9,360.00	12,141.34	9,360.00	62.48	65.58	90.045	-1,283.55	3,555.63	1,300.00	1,171.97	128.03	10.154		
12,100.00	9,360.00	12,241.34	9,360.00	64.49	67.47	90.045	-1,283.25	3,655.63	1,300.00	1,168.07	131.93	9.854		
12,100.00	9,360.00	12,241.34	9,360.00	64.49	67.47	90.045	-1,283.25	3,655.63	1,300.00	1,168.07	131.93	9.854		
12,200.00	9,360.00	12,341.34	9,360.00	66.50	69.38	90.045	-1,282.96	3,755.63	1,300.00	1,164.15	135.84	9.570		
12,200.00	9,360.00	12,341.34	9,360.00	66.50	69.38	90.045	-1,282.96	3,755.63	1,300.00	1,164.15	135.84	9.570		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Warning	
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,300.00	9,360.00	12,441.34	9,360.00	68.52	71.29	90.045	-1,282.66	3,855.63	1,300.00	1,160.23	139.77	9.301		
12,300.00	9,360.00	12,441.34	9,360.00	68.52	71.29	90.045	-1,282.66	3,855.63	1,300.00	1,160.23	139.77	9.301		
12,400.00	9,360.00	12,541.34	9,360.00	70.54	73.22	90.045	-1,282.36	3,955.63	1,300.00	1,156.29	143.71	9.046		
12,400.00	9,360.00	12,541.34	9,360.00	70.54	73.22	90.045	-1,282.36	3,955.63	1,300.00	1,156.29	143.71	9.046		
12,500.00	9,360.00	12,641.34	9,360.00	72.56	75.15	90.045	-1,282.06	4,055.63	1,300.00	1,152.34	147.66	8.804		
12,500.00	9,360.00	12,641.34	9,360.00	72.56	75.15	90.045	-1,282.06	4,055.63	1,300.00	1,152.34	147.66	8.804		
12,600.00	9,360.00	12,741.34	9,360.00	74.58	77.09	90.045	-1,281.76	4,155.63	1,300.00	1,148.38	151.62	8.574		
12,600.00	9,360.00	12,741.34	9,360.00	74.58	77.09	90.045	-1,281.76	4,155.63	1,300.00	1,148.38	151.62	8.574		
12,700.00	9,360.00	12,841.34	9,360.00	76.61	79.03	90.045	-1,281.46	4,255.63	1,300.00	1,144.41	155.59	8.355		
12,700.00	9,360.00	12,841.34	9,360.00	76.61	79.03	90.045	-1,281.46	4,255.63	1,300.00	1,144.41	155.59	8.355		
12,800.00	9,360.00	12,941.34	9,360.00	78.64	80.98	90.045	-1,281.17	4,355.63	1,300.00	1,140.43	159.57	8.147		
12,800.00	9,360.00	12,941.34	9,360.00	78.64	80.98	90.045	-1,281.17	4,355.63	1,300.00	1,140.43	159.57	8.147		
12,900.00	9,360.00	13,041.34	9,360.00	80.67	82.94	90.045	-1,280.87	4,455.63	1,300.00	1,136.44	163.56	7.948		
12,900.00	9,360.00	13,041.34	9,360.00	80.67	82.94	90.045	-1,280.87	4,455.63	1,300.00	1,136.44	163.56	7.948		
13,000.00	9,360.00	13,141.34	9,360.00	82.71	84.90	90.045	-1,280.57	4,555.63	1,300.00	1,132.45	167.55	7.759		
13,000.00	9,360.00	13,141.34	9,360.00	82.71	84.90	90.045	-1,280.57	4,555.63	1,300.00	1,132.45	167.55	7.759		
13,100.00	9,360.00	13,241.34	9,360.00	84.74	86.87	90.045	-1,280.27	4,655.63	1,300.00	1,128.45	171.55	7.578		
13,100.00	9,360.00	13,241.34	9,360.00	84.74	86.87	90.045	-1,280.27	4,655.63	1,300.00	1,128.45	171.55	7.578		
13,200.00	9,360.00	13,341.34	9,360.00	86.78	88.84	90.045	-1,279.97	4,755.63	1,300.00	1,124.44	175.56	7.405		
13,200.00	9,360.00	13,341.34	9,360.00	86.78	88.84	90.045	-1,279.97	4,755.63	1,300.00	1,124.44	175.56	7.405		
13,300.00	9,360.00	13,441.34	9,360.00	88.82	90.82	90.045	-1,279.68	4,855.63	1,300.00	1,120.43	179.57	7.240		
13,300.00	9,360.00	13,441.34	9,360.00	88.82	90.82	90.045	-1,279.68	4,855.63	1,300.00	1,120.43	179.57	7.240		
13,400.00	9,360.00	13,541.34	9,360.00	90.86	92.80	90.045	-1,279.38	4,955.63	1,300.00	1,116.41	183.59	7.081		
13,400.00	9,360.00	13,541.34	9,360.00	90.86	92.80	90.045	-1,279.38	4,955.63	1,300.00	1,116.41	183.59	7.081		
13,500.00	9,360.00	13,641.34	9,360.00	92.90	94.78	90.045	-1,279.08	5,055.63	1,300.00	1,112.39	187.61	6.929		
13,500.00	9,360.00	13,641.34	9,360.00	92.90	94.78	90.045	-1,279.08	5,055.63	1,300.00	1,112.39	187.61	6.929		
13,600.00	9,360.00	13,741.34	9,360.00	94.94	96.77	90.045	-1,278.78	5,155.62	1,300.00	1,108.36	191.64	6.784		
13,600.00	9,360.00	13,741.34	9,360.00	94.94	96.77	90.045	-1,278.78	5,155.63	1,300.00	1,108.36	191.64	6.784		
13,700.00	9,360.00	13,841.34	9,360.00	96.98	98.76	90.045	-1,278.48	5,255.62	1,300.00	1,104.33	195.67	6.644		
13,700.00	9,360.00	13,841.34	9,360.00	96.98	98.76	90.045	-1,278.48	5,255.63	1,300.00	1,104.33	195.67	6.644		
13,800.00	9,360.00	13,941.34	9,360.00	99.03	100.75	90.045	-1,278.18	5,355.62	1,300.00	1,100.29	199.71	6.509		
13,800.00	9,360.00	13,941.34	9,360.00	99.03	100.75	90.045	-1,278.18	5,355.63	1,300.00	1,100.29	199.71	6.509		
13,900.00	9,360.00	14,041.34	9,360.00	101.07	102.75	90.045	-1,277.89	5,455.62	1,300.00	1,096.25	203.75	6.380		
13,900.00	9,360.00	14,041.34	9,360.00	101.07	102.75	90.045	-1,277.89	5,455.62	1,300.00	1,096.25	203.75	6.380		
14,000.00	9,360.00	14,141.34	9,360.00	103.12	104.75	90.045	-1,277.59	5,555.62	1,300.00	1,092.20	207.80	6.256		
14,000.00	9,360.00	14,141.34	9,360.00	103.12	104.75	90.045	-1,277.59	5,555.62	1,300.00	1,092.20	207.80	6.256		
14,100.00	9,360.00	14,241.34	9,360.00	105.17	106.75	90.045	-1,277.29	5,655.62	1,300.00	1,088.15	211.85	6.137		
14,100.00	9,360.00	14,241.34	9,360.00	105.17	106.75	90.045	-1,277.29	5,655.62	1,300.00	1,088.15	211.85	6.137		
14,200.00	9,360.00	14,341.34	9,360.00	107.21	108.76	90.045	-1,276.99	5,755.62	1,300.00	1,084.10	215.90	6.021		
14,200.00	9,360.00	14,341.34	9,360.00	107.21	108.76	90.045	-1,276.99	5,755.62	1,300.00	1,084.10	215.90	6.021		
14,300.00	9,360.00	14,441.34	9,360.00	109.26	110.76	90.045	-1,276.69	5,855.62	1,300.00	1,080.04	219.95	5.910		
14,300.00	9,360.00	14,441.34	9,360.00	109.26	110.76	90.045	-1,276.69	5,855.62	1,300.00	1,080.04	219.95	5.910		
14,400.00	9,360.00	14,541.34	9,360.00	111.31	112.77	90.045	-1,276.40	5,955.62	1,300.00	1,075.99	224.01	5.803		
14,400.00	9,360.00	14,541.34	9,360.00	111.31	112.77	90.045	-1,276.40	5,955.62	1,300.00	1,075.99	224.01	5.803		
14,500.00	9,360.00	14,641.34	9,360.00	113.36	114.78	90.045	-1,276.10	6,055.62	1,300.00	1,071.92	228.07	5.700		
14,500.00	9,360.00	14,641.34	9,360.00	113.36	114.78	90.045	-1,276.10	6,055.62	1,300.00	1,071.92	228.07	5.700		
14,600.00	9,360.00	14,741.34	9,360.00	115.42	116.80	90.045	-1,275.80	6,155.62	1,300.00	1,067.86	232.14	5.600		
14,600.00	9,360.00	14,741.34	9,360.00	115.42	116.80	90.045	-1,275.80	6,155.62	1,300.00	1,067.86	232.14	5.600		
14,700.00	9,360.00	14,841.34	9,360.00	117.47	118.81	90.045	-1,275.50	6,255.62	1,300.00	1,063.79	236.21	5.504		
14,700.00	9,360.00	14,841.34	9,360.00	117.47	118.81	90.045	-1,275.50	6,255.62	1,300.00	1,063.79	236.21	5.504		
14,800.00	9,360.00	14,941.34	9,360.00	119.52	120.83	90.045	-1,275.20	6,355.62	1,300.00	1,059.72	240.27	5.410		
14,800.00	9,360.00	14,941.34	9,360.00	119.52	120.83	90.045	-1,275.20	6,355.62	1,300.00	1,059.72	240.27	5.410		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,900.00	9,360.00	15,041.34	9,360.00	121.57	122.85	90.045	-1,274.90	6,455.62	1,300.00	1,055.65	244.35	5.320		
14,900.00	9,360.00	15,041.34	9,360.00	121.57	122.85	90.045	-1,274.90	6,455.62	1,300.00	1,055.65	244.35	5.320		
15,000.00	9,360.00	15,141.34	9,360.00	123.63	124.87	90.045	-1,274.61	6,555.62	1,300.00	1,051.58	248.42	5.233		
15,000.00	9,360.00	15,141.34	9,360.00	123.63	124.87	90.045	-1,274.61	6,555.62	1,300.00	1,051.58	248.42	5.233		
15,100.00	9,360.00	15,241.34	9,360.00	125.68	126.89	90.045	-1,274.31	6,655.62	1,300.00	1,047.50	252.50	5.149		
15,100.00	9,360.00	15,241.34	9,360.00	125.68	126.89	90.045	-1,274.31	6,655.62	1,300.00	1,047.50	252.50	5.149		
15,200.00	9,360.00	15,341.34	9,360.00	127.74	128.92	90.045	-1,274.01	6,755.62	1,300.00	1,043.42	256.57	5.067		
15,200.00	9,360.00	15,341.34	9,360.00	127.74	128.92	90.045	-1,274.01	6,755.62	1,300.00	1,043.42	256.57	5.067		
15,300.00	9,360.00	15,441.34	9,360.00	129.79	130.94	90.045	-1,273.71	6,855.62	1,300.00	1,039.34	260.65	4.987		
15,300.00	9,360.00	15,441.34	9,360.00	129.79	130.94	90.045	-1,273.71	6,855.62	1,300.00	1,039.34	260.65	4.987		
15,400.00	9,360.00	15,541.34	9,360.00	131.85	132.97	90.045	-1,273.41	6,955.62	1,300.00	1,035.26	264.74	4.911		
15,400.00	9,360.00	15,541.34	9,360.00	131.85	132.97	90.045	-1,273.41	6,955.62	1,300.00	1,035.26	264.74	4.911		
15,500.00	9,360.00	15,641.34	9,360.00	133.90	134.99	90.045	-1,273.12	7,055.62	1,300.00	1,031.18	268.82	4.836		
15,500.00	9,360.00	15,641.34	9,360.00	133.90	134.99	90.045	-1,273.12	7,055.62	1,300.00	1,031.18	268.82	4.836		
15,600.00	9,360.00	15,741.34	9,360.00	135.96	137.02	90.045	-1,272.82	7,155.62	1,300.00	1,027.09	272.90	4.764		
15,600.00	9,360.00	15,741.34	9,360.00	135.96	137.02	90.045	-1,272.82	7,155.62	1,300.00	1,027.09	272.90	4.764		
15,700.00	9,360.00	15,841.34	9,360.00	138.02	139.05	90.045	-1,272.52	7,255.62	1,300.00	1,023.01	276.99	4.693		
15,700.00	9,360.00	15,841.34	9,360.00	138.02	139.05	90.045	-1,272.52	7,255.62	1,300.00	1,023.01	276.99	4.693		
15,800.00	9,360.00	15,941.34	9,360.00	140.07	141.08	90.045	-1,272.22	7,355.61	1,300.00	1,018.92	281.08	4.625		
15,800.00	9,360.00	15,941.34	9,360.00	140.07	141.08	90.045	-1,272.22	7,355.62	1,300.00	1,018.92	281.08	4.625		
15,900.00	9,360.00	16,041.34	9,360.00	142.13	143.12	90.045	-1,271.92	7,455.61	1,300.00	1,014.83	285.17	4.559		
15,900.00	9,360.00	16,041.34	9,360.00	142.13	143.12	90.045	-1,271.92	7,455.62	1,300.00	1,014.83	285.17	4.559		
16,000.00	9,360.00	16,141.34	9,360.00	144.19	145.15	90.045	-1,271.62	7,555.61	1,300.00	1,010.74	289.26	4.494		
16,000.00	9,360.00	16,141.34	9,360.00	144.19	145.15	90.045	-1,271.62	7,555.62	1,300.00	1,010.74	289.26	4.494		
16,100.00	9,360.00	16,241.34	9,360.00	146.25	147.18	90.045	-1,271.33	7,655.61	1,300.00	1,006.64	293.35	4.431		
16,100.00	9,360.00	16,241.34	9,360.00	146.25	147.18	90.045	-1,271.33	7,655.62	1,300.00	1,006.64	293.35	4.431		
16,200.00	9,360.00	16,341.34	9,360.00	148.31	149.22	90.045	-1,271.03	7,755.61	1,300.00	1,002.55	297.45	4.371		
16,200.00	9,360.00	16,341.34	9,360.00	148.31	149.22	90.045	-1,271.03	7,755.61	1,300.00	1,002.55	297.45	4.371		
16,300.00	9,360.00	16,441.34	9,360.00	150.37	151.26	90.045	-1,270.73	7,855.61	1,300.00	998.46	301.54	4.311		
16,300.00	9,360.00	16,441.34	9,360.00	150.37	151.26	90.045	-1,270.73	7,855.61	1,300.00	998.46	301.54	4.311		
16,400.00	9,360.00	16,541.34	9,360.00	152.42	153.29	90.045	-1,270.43	7,955.61	1,300.00	994.36	305.64	4.253		
16,400.00	9,360.00	16,541.34	9,360.00	152.42	153.29	90.045	-1,270.43	7,955.61	1,300.00	994.36	305.64	4.253		
16,500.00	9,360.00	16,641.34	9,360.00	154.48	155.33	90.045	-1,270.13	8,055.61	1,300.00	990.26	309.74	4.197		
16,500.00	9,360.00	16,641.34	9,360.00	154.48	155.33	90.045	-1,270.13	8,055.61	1,300.00	990.26	309.74	4.197		
16,600.00	9,360.00	16,741.34	9,360.00	156.54	157.37	90.045	-1,269.84	8,155.61	1,300.00	986.16	313.84	4.142		
16,600.00	9,360.00	16,741.34	9,360.00	156.54	157.37	90.045	-1,269.84	8,155.61	1,300.00	986.16	313.84	4.142		
16,700.00	9,360.00	16,841.34	9,360.00	158.60	159.41	90.045	-1,269.54	8,255.61	1,300.00	982.06	317.94	4.089		
16,700.00	9,360.00	16,841.34	9,360.00	158.60	159.41	90.045	-1,269.54	8,255.61	1,300.00	982.06	317.94	4.089		
16,800.00	9,360.00	16,941.34	9,360.00	160.66	161.45	90.045	-1,269.24	8,355.61	1,300.00	977.96	322.04	4.037		
16,800.00	9,360.00	16,941.34	9,360.00	160.66	161.45	90.045	-1,269.24	8,355.61	1,300.00	977.96	322.04	4.037		
16,900.00	9,360.00	17,041.34	9,360.00	162.73	163.49	90.045	-1,268.94	8,455.61	1,300.00	973.86	326.14	3.986		
17,000.00	9,360.00	17,141.34	9,360.00	164.79	165.53	90.045	-1,268.64	8,555.61	1,300.00	969.76	330.24	3.937		
17,000.00	9,360.00	17,141.34	9,360.00	164.79	165.53	90.045	-1,268.64	8,555.61	1,300.00	969.76	330.24	3.937		
17,100.00	9,360.00	17,241.34	9,360.00	166.85	167.57	90.045	-1,268.34	8,655.61	1,300.00	965.65	334.34	3.888		
17,100.00	9,360.00	17,241.34	9,360.00	166.85	167.57	90.045	-1,268.34	8,655.61	1,300.00	965.65	334.34	3.888		
17,200.00	9,360.00	17,341.34	9,360.00	168.91	169.62	90.045	-1,268.05	8,755.61	1,300.00	961.55	338.45	3.841		
17,200.00	9,360.00	17,341.34	9,360.00	168.91	169.62	90.045	-1,268.05	8,755.61	1,300.00	961.55	338.45	3.841		
17,300.00	9,360.00	17,441.34	9,360.00	170.97	171.66	90.045	-1,267.75	8,855.61	1,300.00	957.45	342.55	3.795		
17,300.00	9,360.00	17,441.34	9,360.00	170.97	171.66	90.045	-1,267.75	8,855.61	1,300.00	957.45	342.55	3.795		
17,400.00	9,360.00	17,541.34	9,360.00	173.03	173.70	90.045	-1,267.45	8,955.61	1,300.00	953.34	346.66	3.750		
17,400.00	9,360.00	17,541.34	9,360.00	173.03	173.70	90.045	-1,267.45	8,955.61	1,300.00	953.34	346.66	3.750		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Warning	
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,500.00	9,360.00	17,641.34	9,360.00	175.09	175.75	90.045	-1,267.15	9,055.61	1,300.00	949.23	350.77	3.706		
17,500.00	9,360.00	17,641.34	9,360.00	175.09	175.75	90.045	-1,267.15	9,055.61	1,300.00	949.23	350.77	3.706		
17,600.00	9,360.00	17,741.34	9,360.00	177.16	177.79	90.045	-1,266.85	9,155.61	1,300.00	945.12	354.88	3.663		
17,600.00	9,360.00	17,741.34	9,360.00	177.16	177.79	90.045	-1,266.85	9,155.61	1,300.00	945.12	354.88	3.663		
17,700.00	9,360.00	17,841.34	9,360.00	179.22	179.84	90.045	-1,266.56	9,255.61	1,300.00	941.02	358.98	3.621		
17,700.00	9,360.00	17,841.34	9,360.00	179.22	179.84	90.045	-1,266.56	9,255.61	1,300.00	941.02	358.98	3.621		
17,800.00	9,360.00	17,941.34	9,360.00	181.28	181.89	90.045	-1,266.26	9,355.61	1,300.00	936.91	363.09	3.580		
17,800.00	9,360.00	17,941.34	9,360.00	181.28	181.89	90.045	-1,266.26	9,355.61	1,300.00	936.91	363.09	3.580		
17,900.00	9,360.00	18,041.34	9,360.00	183.34	183.93	90.045	-1,265.96	9,455.61	1,300.00	932.80	367.20	3.540		
17,900.00	9,360.00	18,041.34	9,360.00	183.34	183.93	90.045	-1,265.96	9,455.61	1,300.00	932.80	367.20	3.540		
18,000.00	9,360.00	18,141.34	9,360.00	185.41	185.98	90.045	-1,265.66	9,555.61	1,300.00	928.69	371.31	3.501		
18,000.00	9,360.00	18,141.34	9,360.00	185.41	185.98	90.045	-1,265.66	9,555.61	1,300.00	928.69	371.31	3.501		
18,100.00	9,360.00	18,241.34	9,360.00	187.47	188.03	90.045	-1,265.36	9,655.60	1,300.00	924.58	375.42	3.463		
18,100.00	9,360.00	18,241.34	9,360.00	187.47	188.03	90.045	-1,265.36	9,655.61	1,300.00	924.58	375.42	3.463		
18,200.00	9,360.00	18,341.34	9,360.00	189.53	190.08	90.045	-1,265.06	9,755.60	1,300.00	920.46	379.54	3.425		
18,200.00	9,360.00	18,341.34	9,360.00	189.53	190.08	90.045	-1,265.06	9,755.61	1,300.00	920.46	379.54	3.425		
18,300.00	9,360.00	18,441.34	9,360.00	191.59	192.13	90.045	-1,264.77	9,855.60	1,300.00	916.35	383.65	3.389		
18,300.00	9,360.00	18,441.34	9,360.00	191.59	192.13	90.045	-1,264.77	9,855.61	1,300.00	916.35	383.65	3.389		
18,400.00	9,360.00	18,541.34	9,360.00	193.66	194.18	90.045	-1,264.47	9,955.60	1,300.00	912.24	387.76	3.353		
18,400.00	9,360.00	18,541.34	9,360.00	193.66	194.18	90.045	-1,264.47	9,955.61	1,300.00	912.24	387.76	3.353		
18,500.00	9,360.00	18,641.34	9,360.00	195.72	196.23	90.045	-1,264.17	10,055.60	1,300.00	908.13	391.87	3.317		
18,500.00	9,360.00	18,641.34	9,360.00	195.72	196.23	90.045	-1,264.17	10,055.60	1,300.00	908.13	391.87	3.317		
18,600.00	9,360.00	18,741.34	9,360.00	197.78	198.28	90.045	-1,263.87	10,155.60	1,300.00	904.01	395.99	3.283		
18,600.00	9,360.00	18,741.34	9,360.00	197.78	198.28	90.045	-1,263.87	10,155.60	1,300.00	904.01	395.99	3.283		
18,700.00	9,360.00	18,841.34	9,360.00	199.85	200.33	90.045	-1,263.57	10,255.60	1,300.00	899.90	400.10	3.249		
18,700.00	9,360.00	18,841.34	9,360.00	199.85	200.33	90.045	-1,263.57	10,255.60	1,300.00	899.90	400.10	3.249		
18,800.00	9,360.00	18,941.34	9,360.00	201.91	202.38	90.045	-1,263.28	10,355.60	1,300.00	895.78	404.22	3.216		
18,800.00	9,360.00	18,941.34	9,360.00	201.91	202.38	90.045	-1,263.28	10,355.60	1,300.00	895.78	404.22	3.216		
18,900.00	9,360.00	19,041.34	9,360.00	203.98	204.43	90.045	-1,262.98	10,455.60	1,300.00	891.67	408.33	3.184		
18,900.00	9,360.00	19,041.34	9,360.00	203.98	204.43	90.045	-1,262.98	10,455.60	1,300.00	891.67	408.33	3.184		
19,000.00	9,360.00	19,141.34	9,360.00	206.04	206.48	90.045	-1,262.68	10,555.60	1,300.00	887.55	412.45	3.152		
19,000.00	9,360.00	19,141.34	9,360.00	206.04	206.48	90.045	-1,262.68	10,555.60	1,300.00	887.55	412.45	3.152		
19,100.00	9,360.00	19,241.34	9,360.00	208.10	208.53	90.045	-1,262.38	10,655.60	1,300.00	883.43	416.57	3.121		
19,100.00	9,360.00	19,241.34	9,360.00	208.10	208.53	90.045	-1,262.38	10,655.60	1,300.00	883.43	416.57	3.121		
19,200.00	9,360.00	19,341.34	9,360.00	210.17	210.58	90.045	-1,262.08	10,755.60	1,300.00	879.32	420.68	3.090		
19,200.00	9,360.00	19,341.34	9,360.00	210.17	210.58	90.045	-1,262.08	10,755.60	1,300.00	879.32	420.68	3.090		
19,300.00	9,360.00	19,441.34	9,360.00	212.23	212.64	90.045	-1,261.78	10,855.60	1,300.00	875.20	424.80	3.060		
19,300.00	9,360.00	19,441.34	9,360.00	212.23	212.64	90.045	-1,261.78	10,855.60	1,300.00	875.20	424.80	3.060		
19,400.00	9,360.00	19,541.34	9,360.00	214.30	214.69	90.045	-1,261.49	10,955.60	1,300.00	871.08	428.92	3.031		
19,400.00	9,360.00	19,541.34	9,360.00	214.30	214.69	90.045	-1,261.49	10,955.60	1,300.00	871.08	428.92	3.031		
19,500.00	9,360.00	19,641.34	9,360.00	216.36	216.74	90.045	-1,261.19	11,055.60	1,300.00	866.96	433.04	3.002		
19,500.00	9,360.00	19,641.34	9,360.00	216.36	216.74	90.045	-1,261.19	11,055.60	1,300.00	866.96	433.04	3.002		
19,600.00	9,360.00	19,741.34	9,360.00	218.43	218.80	90.045	-1,260.89	11,155.60	1,300.00	862.85	437.15	2.974		
19,600.00	9,360.00	19,741.34	9,360.00	218.43	218.80	90.045	-1,260.89	11,155.60	1,300.00	862.85	437.16	2.974		
19,700.00	9,360.00	19,841.34	9,360.00	220.49	220.85	90.045	-1,260.59	11,255.60	1,300.00	858.73	441.27	2.946		
19,700.00	9,360.00	19,841.34	9,360.00	220.49	220.85	90.045	-1,260.59	11,255.60	1,300.00	858.73	441.27	2.946		
19,800.00	9,360.00	19,941.34	9,360.00	222.56	222.91	90.045	-1,260.29	11,355.60	1,300.00	854.61	445.39	2.919		
19,800.00	9,360.00	19,941.34	9,360.00	222.56	222.91	90.045	-1,260.29	11,355.60	1,300.00	854.61	445.39	2.919		
19,900.00	9,360.00	20,041.34	9,360.00	224.62	224.96	90.045	-1,260.00	11,455.60	1,300.00	850.49	449.51	2.892		
19,900.00	9,360.00	20,041.34	9,360.00	224.62	224.96	90.045	-1,260.00	11,455.60	1,300.00	850.49	449.51	2.892		
20,000.00	9,360.00	20,141.34	9,360.00	226.69	227.01	90.045	-1,259.70	11,555.60	1,300.00	846.37	453.63	2.866		
20,000.00	9,360.00	20,141.34	9,360.00	226.69	227.01	90.045	-1,259.70	11,555.60	1,300.00	846.37	453.63	2.866		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (02) Bond 33-34 FED COM 211H - 211H - Plan 3												Offset Site Error:	0.00 usft	Offset Well Error:	0.00 usft			
Survey Program:	Rule Assigned:											Offset Well Error:	0.00 usft					
	Reference	Measured	Vertical	Offset	Measured	Vertical	Semi	Major	Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Separation	Warning
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
20,100.00	9,360.00	20,241.34	9,360.00	228.75	229.07	90.045	-1,259.40	11,655.60	1,300.00	842.25	457.75	2.840						
20,100.02	9,360.00	20,241.36	9,360.00	228.75	229.07	90.045	-1,259.40	11,655.61	1,300.00	842.25	457.75	2.840						
20,181.28	9,360.00	20,322.62	9,360.00	230.43	230.74	90.045	-1,259.16	11,736.88	1,300.00	838.90	461.10	2.819						



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1												Offset Site Error:	0.00 usft	
Survey Program:	0-MWD+IFR1											Rule Assigned:	Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.422	-316.61	47.76	320.23				
100.00	100.00	95.13	95.13	0.79	0.75	171.422		-316.61	47.76	320.19	318.66	1.53	208.863	
200.00	200.00	195.13	195.13	1.45	1.41	171.422		-316.61	47.76	320.19	317.33	2.86	111.955	
300.00	300.00	295.13	295.13	1.89	1.87	171.422		-316.61	47.76	320.19	316.43	3.76	85.120	
400.00	400.00	395.13	395.13	2.25	2.24	171.422		-316.61	47.76	320.19	315.71	4.49	71.317	
500.00	500.00	495.13	495.13	2.57	2.55	171.422		-316.61	47.76	320.19	315.07	5.12	62.537	
600.00	600.00	595.13	595.13	2.85	2.84	171.422		-316.61	47.76	320.19	314.51	5.69	56.318	
700.00	700.00	695.13	695.13	3.11	3.10	171.422		-316.61	47.76	320.19	313.99	6.20	51.613	
800.00	800.00	795.13	795.13	3.35	3.34	171.422		-316.61	47.76	320.19	313.51	6.69	47.891	
900.00	900.00	895.13	895.13	3.58	3.56	171.422		-316.61	47.76	320.19	313.06	7.14	44.850	
1,000.00	1,000.00	995.13	995.13	3.79	3.78	171.422		-316.61	47.76	320.19	312.63	7.57	42.303	
1,100.00	1,100.00	1,095.13	1,095.13	3.99	3.98	171.422		-316.61	47.76	320.19	312.22	7.98	40.130	
1,200.00	1,200.00	1,195.13	1,195.13	4.19	4.18	171.422		-316.61	47.76	320.19	311.82	8.37	38.246	
1,300.00	1,300.00	1,295.13	1,295.13	4.38	4.37	171.422		-316.61	47.76	320.19	311.44	8.75	36.591	
1,400.00	1,400.00	1,395.13	1,395.13	4.56	4.55	171.422		-316.61	47.76	320.19	311.08	9.12	35.124	
1,500.00	1,500.00	1,495.13	1,495.13	4.74	4.73	171.422		-316.61	47.76	320.19	310.72	9.47	33.809	
1,600.00	1,600.00	1,595.13	1,595.13	4.91	4.90	171.422		-316.61	47.76	320.19	310.38	9.81	32.623	
1,700.00	1,700.00	1,695.13	1,695.13	5.08	5.07	171.422		-316.61	47.76	320.19	310.04	10.15	31.546	
1,800.00	1,800.00	1,795.13	1,795.13	5.24	5.23	171.422		-316.61	47.76	320.19	309.72	10.48	30.561	
1,900.00	1,900.00	1,895.13	1,895.13	5.40	5.39	171.422		-316.61	47.76	320.19	309.40	10.80	29.656	
2,000.00	2,000.00	1,995.13	1,995.13	5.56	5.55	171.422		-316.61	47.76	320.19	309.09	11.11	28.821 CC, ES	
2,100.00	2,100.00	2,086.13	2,086.11	5.71	5.74	171.338		-317.74	48.40	321.53	310.08	11.45	28.091	
2,200.00	2,200.00	2,176.49	2,176.38	5.86	5.94	171.076		-321.33	50.46	325.81	314.04	11.77	27.690	
2,300.00	2,300.00	2,266.50	2,266.12	6.01	6.14	170.649		-327.37	53.91	333.04	320.96	12.09	27.558	
2,400.00	2,400.00	2,355.99	2,355.08	6.16	6.35	170.081		-335.79	58.72	343.23	330.82	12.41	27.660	
2,500.00	2,500.00	2,444.79	2,443.00	6.30	6.58	169.398		-346.53	64.86	356.38	343.64	12.74	27.971	
2,600.00	2,600.00	2,532.73	2,529.67	6.44	6.82	168.633		-359.49	72.27	372.48	359.40	13.08	28.474	
2,700.00	2,700.00	2,619.67	2,614.85	6.58	7.08	167.814		-374.57	80.89	391.52	378.09	13.43	29.154	
2,800.00	2,800.00	2,705.47	2,698.36	6.71	7.34	166.968		-391.64	90.65	413.48	399.70	13.78	30.012	
2,900.00	2,900.00	2,801.64	2,791.59	6.85	7.62	166.051		-412.15	102.37	437.11	422.91	14.20	30.780	
3,000.00	3,000.00	2,898.58	2,885.56	6.98	7.90	165.221		-432.82	114.19	460.85	446.22	14.63	31.510	
3,100.00	3,100.00	2,995.52	2,979.52	7.12	8.20	164.472		-453.49	126.00	484.66	469.59	15.07	32.166	
3,200.00	3,200.00	3,092.45	3,073.49	7.25	8.51	163.793		-474.16	137.82	508.55	493.02	15.53	32.755	
3,300.00	3,300.00	3,189.39	3,167.46	7.37	8.84	163.175		-494.84	149.63	532.50	516.50	16.00	33.286	
3,400.00	3,400.00	3,286.32	3,261.42	7.50	9.18	162.610		-515.51	161.45	556.50	540.02	16.48	33.765	
3,500.00	3,500.00	3,383.26	3,355.39	7.63	9.53	162.092		-536.18	173.27	580.55	563.57	16.98	34.196	
3,600.00	3,600.00	3,480.39	3,449.54	7.80	9.90	171.933		-556.89	185.11	604.12	586.65	17.47	34.576	
3,700.00	3,699.84	3,577.81	3,543.98	7.98	10.27	171.513		-577.67	196.98	626.65	608.68	17.96	34.888	
3,800.00	3,799.45	3,675.42	3,638.59	8.16	10.66	171.414		-598.48	208.88	648.10	629.64	18.46	35.112	
3,900.00	3,898.70	3,773.08	3,733.27	8.36	11.05	171.605		-619.31	220.78	668.51	649.55	18.96	35.258	
4,000.00	3,997.47	3,870.69	3,827.88	8.59	11.45	172.059		-640.12	232.68	687.95	668.48	19.47	35.341	
4,100.00	4,095.62	3,968.12	3,922.33	8.83	11.85	172.752		-660.90	244.56	706.51	686.54	19.97	35.374	
4,200.00	4,193.08	4,065.27	4,016.51	9.02	12.26	173.746		-681.62	256.40	724.38	703.94	20.44	35.446	
4,300.00	4,290.34	4,162.33	4,110.59	9.26	12.67	175.004		-702.32	268.23	742.34	721.39	20.95	35.441	
4,400.00	4,387.59	4,259.39	4,204.67	9.50	13.09	176.203		-723.01	280.06	760.63	739.18	21.46	35.451	
4,500.00	4,484.84	4,356.44	4,298.75	9.77	13.51	177.347		-743.71	291.89	779.24	757.27	21.97	35.470	
4,600.00	4,582.09	4,453.50	4,392.84	10.05	13.93	178.439		-764.41	303.72	798.15	775.66	22.49	35.497	
4,700.00	4,679.34	4,550.55	4,486.92	10.35	14.36	179.480		-785.10	315.55	817.32	794.32	23.00	35.530	
4,800.00	4,776.59	4,647.61	4,581.00	10.66	14.79	180.475		-805.80	327.39	836.75	813.23	23.52	35.569	
4,900.00	4,873.84	4,744.67	4,675.09	10.99	15.22	181.425		-826.50	339.22	856.42	832.37	24.05	35.613	
5,000.00	4,971.09	4,841.72	4,769.17	11.32	15.66	182.333		-847.20	351.05	876.30	851.73	24.57	35.662	
5,100.00	5,068.34	4,938.78	4,863.25	11.67	16.10	183.202		-867.89	362.88	896.40	871.30	25.10	35.713	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,165.59	5,035.83	4,957.33	12.03	16.54	84.033	-888.59	374.71	916.68	891.05	25.63	35.767		
5,300.00	5,262.84	5,132.89	5,051.42	12.39	16.98	84.828	-909.29	386.54	937.15	910.99	26.16	35.823		
5,400.00	5,360.09	5,229.95	5,145.50	12.77	17.43	85.589	-929.98	398.37	957.78	931.09	26.69	35.880		
5,500.00	5,457.34	5,327.00	5,239.58	13.15	17.88	86.319	-950.68	410.20	978.57	951.34	27.23	35.938		
5,600.00	5,554.59	5,424.06	5,333.66	13.54	18.33	87.019	-971.38	422.03	999.51	971.74	27.77	35.996		
5,700.00	5,651.84	5,521.11	5,427.75	13.93	18.78	87.691	-992.08	433.86	1,020.59	992.28	28.31	36.053		
5,800.00	5,749.09	5,618.17	5,521.83	14.33	19.23	88.335	-1,012.77	445.69	1,041.80	1,012.95	28.85	36.111		
5,900.00	5,846.35	5,715.23	5,615.91	14.74	19.68	88.955	-1,033.47	457.52	1,063.13	1,033.74	29.39	36.168		
6,000.00	5,943.60	5,812.28	5,709.99	15.15	20.13	89.550	-1,054.17	469.35	1,084.58	1,054.64	29.94	36.223		
6,100.00	6,040.85	5,909.34	5,804.08	15.57	20.59	90.122	-1,074.86	481.19	1,106.13	1,075.64	30.49	36.278		
6,200.00	6,138.10	6,006.40	5,898.16	15.99	21.05	90.672	-1,095.56	493.02	1,127.79	1,096.75	31.04	36.331		
6,300.00	6,235.35	6,103.45	5,992.24	16.41	21.50	91.202	-1,116.26	504.85	1,149.54	1,117.95	31.60	36.383		
6,400.00	6,332.60	6,200.51	6,086.33	16.84	21.96	91.713	-1,136.96	516.68	1,171.39	1,139.24	32.15	36.433		
6,500.00	6,429.85	6,297.56	6,180.41	17.27	22.42	92.205	-1,157.65	528.51	1,193.32	1,160.61	32.71	36.482		
6,600.00	6,527.10	6,394.62	6,274.49	17.70	22.88	92.679	-1,178.35	540.34	1,215.33	1,182.06	33.27	36.529		
6,700.00	6,624.35	6,491.68	6,368.57	18.14	23.34	93.137	-1,199.05	552.17	1,237.42	1,203.58	33.84	36.566		
6,800.00	6,721.92	6,598.49	6,472.14	18.59	23.84	93.956	-1,221.72	565.13	1,259.43	1,225.00	34.43	36.574		
6,900.00	6,820.20	6,752.39	6,622.58	19.03	24.57	94.805	-1,249.84	581.20	1,278.41	1,243.16	35.25	36.268		
7,000.00	6,919.06	6,908.44	6,776.67	19.46	25.28	95.516	-1,271.14	593.38	1,292.78	1,256.83	35.95	35.958		
7,100.00	7,018.38	7,065.99	6,933.36	19.87	25.93	96.098	-1,285.23	601.43	1,302.41	1,265.89	36.52	35.663		
7,200.00	7,118.05	7,224.36	7,091.53	20.25	26.44	96.559	-1,291.83	605.21	1,307.22	1,270.32	36.90	35.424		
7,300.00	7,217.94	7,345.90	7,213.07	20.58	26.55	96.815	-1,292.35	605.50	1,308.06	1,271.05	37.01	35.341		
7,400.00	7,317.93	7,445.89	7,313.06	20.72	26.58	-173.750	-1,292.35	605.50	1,308.20	1,271.10	37.10	35.263		
7,500.00	7,417.93	7,545.89	7,413.06	20.78	26.60	-173.750	-1,292.35	605.50	1,308.20	1,270.99	37.21	35.153		
7,600.00	7,517.93	7,645.89	7,513.06	20.82	26.62	-173.750	-1,292.35	605.50	1,308.20	1,270.89	37.32	35.056		
7,700.00	7,617.93	7,745.89	7,613.06	20.87	26.64	-173.750	-1,292.35	605.50	1,308.20	1,270.78	37.42	34.959		
7,800.00	7,717.93	7,845.89	7,713.06	20.92	26.67	-173.750	-1,292.35	605.50	1,308.20	1,270.68	37.53	34.862		
7,900.00	7,817.93	7,945.89	7,813.06	20.97	26.69	-173.750	-1,292.35	605.50	1,308.20	1,270.57	37.63	34.765		
8,000.00	7,917.93	8,045.89	7,913.06	21.01	26.71	-173.750	-1,292.35	605.50	1,308.20	1,270.47	37.73	34.669		
8,100.00	8,017.93	8,145.89	8,013.06	21.06	26.74	-173.750	-1,292.35	605.50	1,308.20	1,270.36	37.84	34.573		
8,200.00	8,117.93	8,245.89	8,113.06	21.11	26.76	-173.750	-1,292.35	605.50	1,308.20	1,270.26	37.94	34.477		
8,300.00	8,217.93	8,345.89	8,213.06	21.16	26.79	-173.750	-1,292.35	605.50	1,308.20	1,270.15	38.05	34.381		
8,400.00	8,317.93	8,445.89	8,313.06	21.21	26.81	-173.750	-1,292.35	605.50	1,308.20	1,270.05	38.16	34.286		
8,500.00	8,417.93	8,545.89	8,413.06	21.26	26.83	-173.750	-1,292.35	605.50	1,308.20	1,269.94	38.26	34.191		
8,600.00	8,517.93	8,645.89	8,513.06	21.31	26.86	-173.750	-1,292.35	605.50	1,308.20	1,269.83	38.37	34.096		
8,700.00	8,617.93	8,745.89	8,613.06	21.35	26.88	-173.750	-1,292.35	605.50	1,308.20	1,269.73	38.48	34.001		
8,800.00	8,717.93	8,845.89	8,713.06	21.40	26.91	-173.750	-1,292.35	605.50	1,308.20	1,269.62	38.58	33.907		
8,800.28	8,718.20	8,846.17	8,713.33	21.40	26.91	96.421	-1,292.35	605.50	1,308.20	1,269.62	38.58	33.907		
8,900.00	8,817.91	8,945.88	8,813.04	21.48	26.94	96.448	-1,292.35	605.50	1,308.30	1,269.62	38.68	33.825		
9,000.00	8,916.79	9,044.76	8,911.92	21.94	26.96	96.886	-1,292.35	605.50	1,309.95	1,271.20	38.75	33.803		
9,100.00	9,011.73	9,139.69	9,006.86	22.47	26.99	97.745	-1,292.35	605.50	1,314.13	1,275.27	38.86	33.820		
9,200.00	9,099.84	9,227.80	9,094.97	23.01	27.01	98.764	-1,292.35	605.50	1,321.82	1,282.80	39.02	33.872		
9,300.00	9,178.45	9,306.41	9,173.58	23.52	27.03	99.592	-1,292.35	605.50	1,334.35	1,295.06	39.29	33.959		
9,400.00	9,245.16	9,373.12	9,240.29	23.97	27.05	99.833	-1,292.35	605.50	1,353.04	1,313.36	39.69	34.093		
9,500.00	9,297.95	9,425.92	9,293.08	24.35	27.06	99.098	-1,292.35	605.50	1,378.96	1,338.75	40.21	34.294		
9,600.00	9,335.22	9,463.19	9,330.35	24.62	27.07	97.049	-1,292.35	605.50	1,412.57	1,371.74	40.83	34.595		
9,700.00	9,355.84	9,483.80	9,350.97	24.78	27.08	93.445	-1,292.35	605.50	1,453.58	1,412.09	41.49	35.033		
9,800.00	9,360.00	9,487.97	9,355.13	24.83	27.08	90.000	-1,292.35	605.50	1,500.90	1,458.78	42.13	35.629		
9,900.00	9,360.00	10,912.06	10,175.00	24.86	32.09	122.238	-1,289.81	1,455.64	1,536.94	1,489.49	47.45	32.393		
9,900.00	9,360.00	10,912.07	10,175.00	24.86	32.09	122.238	-1,289.81	1,455.64	1,536.94	1,489.49	47.45	32.393		
10,000.00	9,360.00	11,012.06	10,175.00	24.94	33.09	122.238	-1,289.52	1,555.64	1,536.94	1,487.29	49.65	30.957		
10,000.00	9,360.00	11,012.07	10,175.00	24.94	33.09	122.238	-1,289.52	1,555.64	1,536.94	1,487.29	49.65	30.957		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	9,360.00	11,112.06	10,175.00	26.19	34.22	122.238	-1,289.22	1,655.64	1,536.94	1,484.94	52.00	29.556		
10,100.00	9,360.00	11,112.07	10,175.00	26.19	34.22	122.238	-1,289.22	1,655.64	1,536.94	1,484.94	52.00	29.556		
10,200.00	9,360.00	11,212.06	10,175.00	27.89	35.46	122.238	-1,288.92	1,755.64	1,536.94	1,482.45	54.49	28.206		
10,200.00	9,360.00	11,212.07	10,175.00	27.89	35.46	122.238	-1,288.92	1,755.64	1,536.94	1,482.45	54.49	28.206		
10,300.00	9,360.00	11,312.06	10,175.00	29.64	36.80	122.238	-1,288.62	1,855.64	1,536.94	1,479.84	57.09	26.919		
10,300.00	9,360.00	11,312.07	10,175.00	29.64	36.80	122.238	-1,288.62	1,855.64	1,536.94	1,479.84	57.09	26.919		
10,400.00	9,360.00	11,412.06	10,175.00	31.43	38.22	122.238	-1,288.32	1,955.64	1,536.94	1,477.14	59.80	25.701		
10,400.00	9,360.00	11,412.07	10,175.00	31.43	38.22	122.238	-1,288.32	1,955.64	1,536.94	1,477.14	59.80	25.701		
10,500.00	9,360.00	11,512.06	10,175.00	33.25	39.71	122.238	-1,288.02	2,055.64	1,536.94	1,474.34	62.60	24.552		
10,500.00	9,360.00	11,512.07	10,175.00	33.25	39.71	122.238	-1,288.02	2,055.64	1,536.94	1,474.34	62.60	24.552		
10,600.00	9,360.00	11,612.06	10,175.00	35.10	41.27	122.238	-1,287.73	2,155.64	1,536.94	1,471.47	65.47	23.474		
10,600.00	9,360.00	11,612.07	10,175.00	35.10	41.27	122.238	-1,287.73	2,155.64	1,536.94	1,471.47	65.47	23.474		
10,700.00	9,360.00	11,712.06	10,175.00	36.98	42.88	122.238	-1,287.43	2,255.64	1,536.94	1,468.52	68.42	22.465		
10,700.00	9,360.00	11,712.07	10,175.00	36.98	42.88	122.238	-1,287.43	2,255.64	1,536.94	1,468.52	68.42	22.465		
10,800.00	9,360.00	11,812.06	10,175.00	38.87	44.53	122.238	-1,287.13	2,355.64	1,536.94	1,465.52	71.42	21.520		
10,800.00	9,360.00	11,812.07	10,175.00	38.87	44.53	122.238	-1,287.13	2,355.64	1,536.94	1,465.52	71.42	21.520		
10,900.00	9,360.00	11,912.06	10,175.00	40.78	46.23	122.238	-1,286.83	2,455.64	1,536.94	1,462.46	74.47	20.637		
10,900.00	9,360.00	11,912.07	10,175.00	40.78	46.23	122.238	-1,286.83	2,455.64	1,536.94	1,462.46	74.48	20.637		
11,000.00	9,360.00	12,012.06	10,175.00	42.71	47.95	122.238	-1,286.53	2,555.64	1,536.94	1,459.36	77.58	19.812		
11,000.00	9,360.00	12,012.07	10,175.00	42.71	47.95	122.238	-1,286.53	2,555.64	1,536.94	1,459.36	77.58	19.812		
11,100.00	9,360.00	12,112.06	10,175.00	44.65	49.71	122.238	-1,286.24	2,655.64	1,536.94	1,456.22	80.72	19.040		
11,100.00	9,360.00	12,112.07	10,175.00	44.65	49.71	122.238	-1,286.24	2,655.64	1,536.94	1,456.22	80.72	19.040		
11,200.00	9,360.00	12,212.06	10,175.00	46.60	51.49	122.238	-1,285.94	2,755.64	1,536.94	1,453.04	83.90	18.318		
11,200.00	9,360.00	12,212.07	10,175.00	46.60	51.49	122.238	-1,285.94	2,755.64	1,536.94	1,453.04	83.90	18.318		
11,300.00	9,360.00	12,312.06	10,175.00	48.56	53.30	122.238	-1,285.64	2,855.63	1,536.94	1,449.82	87.12	17.642		
11,300.00	9,360.00	12,312.07	10,175.00	48.56	53.30	122.238	-1,285.64	2,855.63	1,536.94	1,449.82	87.12	17.642		
11,400.00	9,360.00	12,412.06	10,175.00	50.53	55.12	122.238	-1,285.34	2,955.63	1,536.94	1,446.58	90.36	17.009		
11,400.00	9,360.00	12,412.07	10,175.00	50.53	55.12	122.238	-1,285.34	2,955.64	1,536.94	1,446.58	90.36	17.009		
11,500.00	9,360.00	12,512.06	10,175.00	52.50	56.97	122.238	-1,285.04	3,055.63	1,536.94	1,443.31	93.63	16.415		
11,500.00	9,360.00	12,512.07	10,175.00	52.50	56.97	122.238	-1,285.04	3,055.64	1,536.94	1,443.31	93.63	16.415		
11,600.00	9,360.00	12,612.06	10,175.00	54.49	58.83	122.238	-1,284.74	3,155.63	1,536.94	1,440.01	96.92	15.857		
11,600.00	9,360.00	12,612.07	10,175.00	54.49	58.83	122.238	-1,284.74	3,155.64	1,536.94	1,440.01	96.92	15.857		
11,700.00	9,360.00	12,712.06	10,175.00	56.48	60.70	122.238	-1,284.45	3,255.63	1,536.94	1,436.70	100.24	15.333		
11,700.00	9,360.00	12,712.07	10,175.00	56.48	60.70	122.238	-1,284.45	3,255.64	1,536.94	1,436.70	100.24	15.333		
11,800.00	9,360.00	12,812.06	10,175.00	58.47	62.59	122.238	-1,284.15	3,355.63	1,536.94	1,433.36	103.57	14.839		
11,800.00	9,360.00	12,812.07	10,175.00	58.47	62.59	122.238	-1,284.15	3,355.64	1,536.94	1,433.36	103.57	14.839		
11,900.00	9,360.00	12,912.06	10,175.00	60.47	64.49	122.238	-1,283.85	3,455.63	1,536.94	1,430.01	106.93	14.374		
11,900.00	9,360.00	12,912.07	10,175.00	60.47	64.49	122.238	-1,283.85	3,455.63	1,536.94	1,430.01	106.93	14.374		
12,000.00	9,360.00	13,012.06	10,175.00	62.48	66.39	122.238	-1,283.55	3,555.63	1,536.94	1,426.64	110.29	13.935		
12,000.00	9,360.00	13,012.07	10,175.00	62.48	66.39	122.238	-1,283.55	3,555.63	1,536.94	1,426.64	110.29	13.935		
12,100.00	9,360.00	13,112.06	10,175.00	64.49	68.31	122.238	-1,283.25	3,655.63	1,536.94	1,423.26	113.68	13.520		
12,200.00	9,360.00	13,212.06	10,175.00	66.50	70.24	122.238	-1,282.96	3,755.63	1,536.94	1,419.87	117.07	13.128		
12,200.00	9,360.00	13,212.07	10,175.00	66.50	70.24	122.238	-1,282.96	3,755.63	1,536.94	1,419.87	117.07	13.128		
12,300.00	9,360.00	13,312.06	10,175.00	68.52	72.18	122.238	-1,282.66	3,855.63	1,536.94	1,416.46	120.48	12.757		
12,300.00	9,360.00	13,312.07	10,175.00	68.52	72.18	122.238	-1,282.66	3,855.63	1,536.94	1,416.46	120.48	12.757		
12,400.00	9,360.00	13,412.06	10,175.00	70.54	74.12	122.238	-1,282.36	3,955.63	1,536.94	1,413.04	123.90	12.405		
12,400.00	9,360.00	13,412.07	10,175.00	70.54	74.12	122.238	-1,282.36	3,955.63	1,536.94	1,413.04	123.90	12.405		
12,500.00	9,360.00	13,512.06	10,175.00	72.56	76.07	122.238	-1,282.06	4,055.63	1,536.94	1,409.61	127.33	12.071		
12,500.00	9,360.00	13,512.07	10,175.00	72.56	76.07	122.238	-1,282.06	4,055.63	1,536.94	1,409.61	127.33	12.071		
12,600.00	9,360.00	13,612.06	10,175.00	74.58	78.03	122.238	-1,281.76	4,155.63	1,536.94	1,406.17	130.77	11.753		
12,600.00	9,360.00	13,612.07	10,175.00	74.58	78.03	122.238	-1,281.76	4,155.63	1,536.94	1,406.17	130.77	11.753		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,700.00	9,360.00	13,712.06	10,175.00	76.61	79.99	122.238	-1,281.46	4,255.63	1,536.94	1,402.72	134.22	11.451		
12,700.00	9,360.00	13,712.07	10,175.00	76.61	79.99	122.238	-1,281.46	4,255.63	1,536.94	1,402.72	134.22	11.451		
12,800.00	9,360.00	13,812.06	10,175.00	78.64	81.96	122.238	-1,281.17	4,355.63	1,536.94	1,399.27	137.67	11.164		
12,800.00	9,360.00	13,812.07	10,175.00	78.64	81.96	122.238	-1,281.17	4,355.63	1,536.94	1,399.27	137.67	11.164		
12,900.00	9,360.00	13,912.06	10,175.00	80.67	83.93	122.238	-1,280.87	4,455.63	1,536.94	1,395.80	141.14	10.890		
12,900.00	9,360.00	13,912.07	10,175.00	80.67	83.93	122.238	-1,280.87	4,455.63	1,536.94	1,395.80	141.14	10.890		
13,000.00	9,360.00	14,012.06	10,175.00	82.71	85.91	122.238	-1,280.57	4,555.63	1,536.94	1,392.33	144.61	10.628		
13,000.00	9,360.00	14,012.07	10,175.00	82.71	85.91	122.238	-1,280.57	4,555.63	1,536.94	1,392.33	144.61	10.628		
13,100.00	9,360.00	14,112.06	10,175.00	84.74	87.89	122.238	-1,280.27	4,655.63	1,536.94	1,388.86	148.08	10.379		
13,100.00	9,360.00	14,112.07	10,175.00	84.74	87.89	122.238	-1,280.27	4,655.63	1,536.94	1,388.86	148.08	10.379		
13,200.00	9,360.00	14,212.06	10,175.00	86.78	89.87	122.238	-1,279.97	4,755.63	1,536.94	1,385.37	151.57	10.140		
13,200.00	9,360.00	14,212.07	10,175.00	86.78	89.87	122.238	-1,279.97	4,755.63	1,536.94	1,385.37	151.57	10.140		
13,300.00	9,360.00	14,312.06	10,175.00	88.82	91.86	122.238	-1,279.68	4,855.63	1,536.94	1,381.88	155.05	9.912		
13,300.00	9,360.00	14,312.07	10,175.00	88.82	91.86	122.238	-1,279.68	4,855.63	1,536.94	1,381.88	155.05	9.912		
13,400.00	9,360.00	14,412.06	10,175.00	90.86	93.85	122.238	-1,279.38	4,955.63	1,536.94	1,378.39	158.55	9.694		
13,400.00	9,360.00	14,412.07	10,175.00	90.86	93.85	122.238	-1,279.38	4,955.63	1,536.94	1,378.39	158.55	9.694		
13,500.00	9,360.00	14,512.06	10,175.00	92.90	95.85	122.238	-1,279.08	5,055.63	1,536.94	1,374.89	162.05	9.485		
13,500.00	9,360.00	14,512.07	10,175.00	92.90	95.85	122.238	-1,279.08	5,055.63	1,536.94	1,374.89	162.05	9.485		
13,600.00	9,360.00	14,612.06	10,175.00	94.94	97.85	122.238	-1,278.78	5,155.62	1,536.94	1,371.39	165.55	9.284		
13,600.00	9,360.00	14,612.07	10,175.00	94.94	97.85	122.238	-1,278.78	5,155.63	1,536.94	1,371.39	165.55	9.284		
13,700.00	9,360.00	14,712.06	10,175.00	96.98	99.85	122.238	-1,278.48	5,255.62	1,536.94	1,367.88	169.06	9.091		
13,700.00	9,360.00	14,712.07	10,175.00	96.98	99.85	122.238	-1,278.48	5,255.63	1,536.94	1,367.88	169.06	9.091		
13,800.00	9,360.00	14,812.06	10,175.00	99.03	101.86	122.238	-1,278.18	5,355.62	1,536.94	1,364.37	172.57	8.906		
13,800.00	9,360.00	14,812.07	10,175.00	99.03	101.86	122.238	-1,278.18	5,355.63	1,536.94	1,364.37	172.57	8.906		
13,900.00	9,360.00	14,912.06	10,175.00	101.07	103.86	122.238	-1,277.89	5,455.62	1,536.94	1,360.85	176.08	8.728		
13,900.00	9,360.00	14,912.07	10,175.00	101.07	103.86	122.238	-1,277.89	5,455.63	1,536.94	1,360.85	176.08	8.728		
14,000.00	9,360.00	15,012.06	10,175.00	103.12	105.87	122.238	-1,277.59	5,555.62	1,536.94	1,357.34	179.60	8.557		
14,000.00	9,360.00	15,012.07	10,175.00	103.12	105.87	122.238	-1,277.59	5,555.63	1,536.94	1,357.34	179.60	8.557		
14,100.00	9,360.00	15,112.06	10,175.00	105.17	107.88	122.238	-1,277.29	5,655.62	1,536.94	1,353.81	183.13	8.393		
14,100.00	9,360.00	15,112.07	10,175.00	105.17	107.88	122.238	-1,277.29	5,655.62	1,536.94	1,353.81	183.13	8.393		
14,200.00	9,360.00	15,212.06	10,175.00	107.21	109.90	122.238	-1,276.99	5,755.62	1,536.94	1,350.29	186.65	8.234		
14,200.00	9,360.00	15,212.07	10,175.00	107.21	109.90	122.238	-1,276.99	5,755.62	1,536.94	1,350.29	186.65	8.234		
14,300.00	9,360.00	15,312.06	10,175.00	109.26	111.91	122.238	-1,276.69	5,855.62	1,536.94	1,346.76	190.18	8.081		
14,300.00	9,360.00	15,312.07	10,175.00	109.26	111.91	122.238	-1,276.69	5,855.62	1,536.94	1,346.76	190.18	8.081		
14,400.00	9,360.00	15,412.06	10,175.00	111.31	113.93	122.238	-1,276.40	5,955.62	1,536.94	1,343.23	193.71	7.934		
14,400.00	9,360.00	15,412.07	10,175.00	111.31	113.93	122.238	-1,276.40	5,955.62	1,536.94	1,343.23	193.71	7.934		
14,500.00	9,360.00	15,512.06	10,175.00	113.36	115.95	122.238	-1,276.10	6,055.62	1,536.94	1,339.69	197.25	7.792		
14,500.00	9,360.00	15,512.07	10,175.00	113.36	115.95	122.238	-1,276.10	6,055.62	1,536.94	1,339.69	197.25	7.792		
14,600.00	9,360.00	15,612.06	10,175.00	115.42	117.97	122.238	-1,275.80	6,155.62	1,536.94	1,336.16	200.78	7.655		
14,600.00	9,360.00	15,612.07	10,175.00	115.42	117.97	122.238	-1,275.80	6,155.62	1,536.94	1,336.16	200.78	7.655		
14,700.00	9,360.00	15,712.06	10,175.00	117.47	120.00	122.238	-1,275.50	6,255.62	1,536.94	1,332.62	204.32	7.522		
14,700.00	9,360.00	15,712.07	10,175.00	117.47	120.00	122.238	-1,275.50	6,255.62	1,536.94	1,332.62	204.32	7.522		
14,800.00	9,360.00	15,812.06	10,175.00	119.52	122.02	122.238	-1,275.20	6,355.62	1,536.94	1,329.08	207.86	7.394		
14,800.00	9,360.00	15,812.07	10,175.00	119.52	122.02	122.238	-1,275.20	6,355.62	1,536.94	1,329.07	207.86	7.394		
14,900.00	9,360.00	15,912.06	10,175.00	121.57	124.05	122.238	-1,274.90	6,455.62	1,536.94	1,325.53	211.41	7.270		
14,900.00	9,360.00	15,912.07	10,175.00	121.57	124.05	122.238	-1,274.90	6,455.62	1,536.94	1,325.53	211.41	7.270		
15,000.00	9,360.00	16,012.06	10,175.00	123.63	126.07	122.238	-1,274.61	6,555.62	1,536.94	1,321.99	214.95	7.150		
15,000.00	9,360.00	16,012.07	10,175.00	123.63	126.07	122.238	-1,274.61	6,555.62	1,536.94	1,321.99	214.95	7.150		
15,100.00	9,360.00	16,112.06	10,175.00	125.68	128.10	122.238	-1,274.31	6,655.62	1,536.94	1,318.44	218.50	7.034		
15,100.00	9,360.00	16,112.07	10,175.00	125.68	128.10	122.238	-1,274.31	6,655.62	1,536.94	1,318.44	218.50	7.034		
15,200.00	9,360.00	16,212.06	10,175.00	127.74	130.13	122.238	-1,274.01	6,755.62	1,536.94	1,314.89	222.05	6.922		
15,200.00	9,360.00	16,212.07	10,175.00	127.74	130.13	122.238	-1,274.01	6,755.62	1,536.94	1,314.89	222.05	6.922		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	9,360.00	16,312.06	10,175.00	129.79	132.16	122.238	-1,273.71	6,855.62	1,536.94	1,311.34	225.60	6.813		
15,300.00	9,360.00	16,312.07	10,175.00	129.79	132.16	122.238	-1,273.71	6,855.62	1,536.94	1,311.34	225.60	6.813		
15,400.00	9,360.00	16,412.06	10,175.00	131.85	134.20	122.238	-1,273.41	6,955.62	1,536.94	1,307.78	229.16	6.707		
15,400.00	9,360.00	16,412.07	10,175.00	131.85	134.20	122.238	-1,273.41	6,955.62	1,536.94	1,307.78	229.16	6.707		
15,500.00	9,360.00	16,512.06	10,175.00	133.90	136.23	122.238	-1,273.12	7,055.62	1,536.94	1,304.23	232.71	6.605		
15,500.00	9,360.00	16,512.07	10,175.00	133.90	136.23	122.238	-1,273.12	7,055.62	1,536.94	1,304.23	232.71	6.605		
15,600.00	9,360.00	16,612.06	10,175.00	135.96	138.27	122.238	-1,272.82	7,155.62	1,536.94	1,300.67	236.27	6.505		
15,600.00	9,360.00	16,612.07	10,175.00	135.96	138.27	122.238	-1,272.82	7,155.62	1,536.94	1,300.67	236.27	6.505		
15,700.00	9,360.00	16,712.06	10,175.00	138.02	140.30	122.238	-1,272.52	7,255.62	1,536.94	1,297.12	239.82	6.409		
15,700.00	9,360.00	16,712.07	10,175.00	138.02	140.30	122.238	-1,272.52	7,255.62	1,536.94	1,297.11	239.82	6.409		
15,800.00	9,360.00	16,812.06	10,175.00	140.07	142.34	122.238	-1,272.22	7,355.61	1,536.94	1,293.56	243.38	6.315		
15,800.00	9,360.00	16,812.07	10,175.00	140.07	142.34	122.238	-1,272.22	7,355.62	1,536.94	1,293.56	243.38	6.315		
15,900.00	9,360.00	16,912.06	10,175.00	142.13	144.38	122.238	-1,271.92	7,455.61	1,536.94	1,290.00	246.94	6.224		
15,900.00	9,360.00	16,912.07	10,175.00	142.13	144.38	122.238	-1,271.92	7,455.62	1,536.94	1,290.00	246.94	6.224		
16,000.00	9,360.00	17,012.06	10,175.00	144.19	146.41	122.238	-1,271.62	7,555.61	1,536.94	1,286.43	250.51	6.135		
16,000.00	9,360.00	17,012.07	10,175.00	144.19	146.41	122.238	-1,271.62	7,555.62	1,536.94	1,286.43	250.51	6.135		
16,100.00	9,360.00	17,112.06	10,175.00	146.25	148.45	122.238	-1,271.33	7,655.61	1,536.94	1,282.87	254.07	6.049		
16,100.00	9,360.00	17,112.07	10,175.00	146.25	148.45	122.238	-1,271.33	7,655.62	1,536.94	1,282.87	254.07	6.049		
16,200.00	9,360.00	17,212.06	10,175.00	148.31	150.49	122.238	-1,271.03	7,755.61	1,536.94	1,279.31	257.63	5.966		
16,200.00	9,360.00	17,212.07	10,175.00	148.31	150.49	122.238	-1,271.03	7,755.62	1,536.94	1,279.31	257.63	5.966		
16,300.00	9,360.00	17,312.06	10,175.00	150.37	152.53	122.238	-1,270.73	7,855.61	1,536.94	1,275.74	261.20	5.884		
16,300.00	9,360.00	17,312.07	10,175.00	150.37	152.53	122.238	-1,270.73	7,855.62	1,536.94	1,275.74	261.20	5.884		
16,400.00	9,360.00	17,412.06	10,175.00	152.42	154.58	122.238	-1,270.43	7,955.61	1,536.94	1,272.17	264.77	5.805		
16,400.00	9,360.00	17,412.07	10,175.00	152.42	154.58	122.238	-1,270.43	7,955.61	1,536.94	1,272.17	264.77	5.805		
16,500.00	9,360.00	17,512.06	10,175.00	154.48	156.62	122.238	-1,270.13	8,055.61	1,536.94	1,268.61	268.33	5.728		
16,600.00	9,360.00	17,612.06	10,175.00	156.54	158.66	122.238	-1,269.84	8,155.61	1,536.94	1,265.04	271.90	5.653		
16,600.00	9,360.00	17,612.07	10,175.00	156.54	158.66	122.238	-1,269.84	8,155.61	1,536.94	1,265.04	271.90	5.653		
16,700.00	9,360.00	17,712.06	10,175.00	158.60	160.71	122.238	-1,269.54	8,255.61	1,536.94	1,261.47	275.47	5.579		
16,700.00	9,360.00	17,712.07	10,175.00	158.60	160.71	122.238	-1,269.54	8,255.61	1,536.94	1,261.47	275.47	5.579		
16,800.00	9,360.00	17,812.06	10,175.00	160.66	162.75	122.238	-1,269.24	8,355.61	1,536.94	1,257.90	279.04	5.508		
16,800.00	9,360.00	17,812.07	10,175.00	160.66	162.75	122.238	-1,269.24	8,355.61	1,536.94	1,257.90	279.04	5.508		
16,900.00	9,360.00	17,912.06	10,175.00	162.73	164.80	122.238	-1,268.94	8,455.61	1,536.94	1,254.33	282.61	5.438		
16,900.00	9,360.00	17,912.07	10,175.00	162.73	164.80	122.238	-1,268.94	8,455.61	1,536.94	1,254.33	282.61	5.438		
17,000.00	9,360.00	18,012.06	10,175.00	164.79	166.84	122.238	-1,268.64	8,555.61	1,536.94	1,250.75	286.19	5.370		
17,000.00	9,360.00	18,012.07	10,175.00	164.79	166.84	122.238	-1,268.64	8,555.61	1,536.94	1,250.75	286.19	5.370		
17,100.00	9,360.00	18,112.06	10,175.00	166.85	168.89	122.238	-1,268.34	8,655.61	1,536.94	1,247.18	289.76	5.304		
17,100.00	9,360.00	18,112.07	10,175.00	166.85	168.89	122.238	-1,268.34	8,655.61	1,536.94	1,247.18	289.76	5.304		
17,200.00	9,360.00	18,212.06	10,175.00	168.91	170.93	122.238	-1,268.05	8,755.61	1,536.94	1,243.61	293.33	5.240		
17,200.00	9,360.00	18,212.07	10,175.00	168.91	170.93	122.238	-1,268.05	8,755.61	1,536.94	1,243.61	293.33	5.240		
17,300.00	9,360.00	18,312.06	10,175.00	170.97	172.98	122.238	-1,267.75	8,855.61	1,536.94	1,240.03	296.91	5.176		
17,300.00	9,360.00	18,312.07	10,175.00	170.97	172.98	122.238	-1,267.75	8,855.61	1,536.94	1,240.03	296.91	5.176		
17,400.00	9,360.00	18,412.06	10,175.00	173.03	175.03	122.238	-1,267.45	8,955.61	1,536.94	1,236.46	300.48	5.115		
17,400.00	9,360.00	18,412.07	10,175.00	173.03	175.03	122.238	-1,267.45	8,955.61	1,536.94	1,236.46	300.48	5.115		
17,500.00	9,360.00	18,512.06	10,175.00	175.09	177.08	122.238	-1,267.15	9,055.61	1,536.94	1,232.88	304.06	5.055		
17,500.00	9,360.00	18,512.07	10,175.00	175.09	177.08	122.238	-1,267.15	9,055.61	1,536.94	1,232.88	304.06	5.055		
17,600.00	9,360.00	18,612.06	10,175.00	177.16	179.13	122.238	-1,266.85	9,155.61	1,536.94	1,229.30	307.64	4.996		
17,600.00	9,360.00	18,612.07	10,175.00	177.16	179.13	122.238	-1,266.85	9,155.61	1,536.94	1,229.30	307.64	4.996		
17,700.00	9,360.00	18,712.06	10,175.00	179.22	181.18	122.238	-1,266.55	9,255.61	1,536.94	1,225.73	311.21	4.939		
17,700.00	9,360.00	18,712.07	10,175.00	179.22	181.18	122.238	-1,266.55	9,255.61	1,536.94	1,225.73	311.21	4.939		
17,800.00	9,360.00	18,812.06	10,175.00	181.28	183.23	122.238	-1,266.26	9,355.61	1,536.94	1,222.15	314.79	4.882		
17,800.00	9,360.00	18,812.07	10,175.00	181.28	183.23	122.238	-1,266.26	9,355.61	1,536.94	1,222.15	314.79	4.882		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (01) Bond 33-34 FED COM #306H - #306H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre		Rule Assigned:				
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,900.00	9,360.00	18,912.06	10,175.00	183.34	185.28	122.238	-1,265.96	9,455.61	1,536.94	1,218.57	318.37	4.828		
17,900.00	9,360.00	18,912.07	10,175.00	183.34	185.28	122.238	-1,265.96	9,455.61	1,536.94	1,218.57	318.37	4.828		
18,000.00	9,360.00	19,012.06	10,175.00	185.41	187.33	122.238	-1,265.66	9,555.61	1,536.94	1,214.99	321.95	4.774		
18,000.00	9,360.00	19,012.07	10,175.00	185.41	187.33	122.238	-1,265.66	9,555.61	1,536.94	1,214.99	321.95	4.774		
18,100.00	9,360.00	19,112.06	10,175.00	187.47	189.38	122.238	-1,265.36	9,655.60	1,536.94	1,211.41	325.53	4.721		
18,100.00	9,360.00	19,112.07	10,175.00	187.47	189.38	122.238	-1,265.36	9,655.61	1,536.94	1,211.41	325.53	4.721		
18,200.00	9,360.00	19,212.06	10,175.00	189.53	191.43	122.238	-1,265.06	9,755.60	1,536.94	1,207.83	329.11	4.670		
18,200.00	9,360.00	19,212.07	10,175.00	189.53	191.43	122.238	-1,265.06	9,755.61	1,536.94	1,207.83	329.11	4.670		
18,300.00	9,360.00	19,312.06	10,175.00	191.59	193.48	122.238	-1,264.77	9,855.60	1,536.94	1,204.25	332.69	4.620		
18,300.00	9,360.00	19,312.07	10,175.00	191.59	193.48	122.238	-1,264.77	9,855.61	1,536.94	1,204.25	332.69	4.620		
18,400.00	9,360.00	19,412.06	10,175.00	193.66	195.53	122.238	-1,264.47	9,955.61	1,536.94	1,200.67	336.27	4.571		
18,400.00	9,360.00	19,412.07	10,175.00	193.66	195.53	122.238	-1,264.47	9,955.61	1,536.94	1,200.67	336.27	4.571		
18,500.00	9,360.00	19,512.06	10,175.00	195.72	197.59	122.238	-1,264.17	10,055.60	1,536.94	1,197.08	339.86	4.522		
18,500.00	9,360.00	19,512.07	10,175.00	195.72	197.59	122.238	-1,264.17	10,055.61	1,536.94	1,197.08	339.86	4.522		
18,600.00	9,360.00	19,612.06	10,175.00	197.78	199.64	122.238	-1,263.87	10,155.60	1,536.94	1,193.50	343.44	4.475		
18,600.00	9,360.00	19,612.07	10,175.00	197.78	199.64	122.238	-1,263.87	10,155.60	1,536.94	1,193.50	343.44	4.475		
18,700.00	9,360.00	19,712.06	10,175.00	199.85	201.69	122.238	-1,263.57	10,255.60	1,536.94	1,189.92	347.02	4.429		
18,700.00	9,360.00	19,712.07	10,175.00	199.85	201.69	122.238	-1,263.57	10,255.60	1,536.94	1,189.92	347.02	4.429		
18,800.00	9,360.00	19,812.06	10,175.00	201.91	203.75	122.238	-1,263.28	10,355.60	1,536.94	1,186.34	350.60	4.384		
18,800.00	9,360.00	19,812.07	10,175.00	201.91	203.75	122.238	-1,263.28	10,355.60	1,536.94	1,186.34	350.60	4.384		
18,900.00	9,360.00	19,912.06	10,175.00	203.98	205.80	122.238	-1,262.98	10,455.60	1,536.94	1,182.75	354.19	4.339		
18,900.00	9,360.00	19,912.07	10,175.00	203.98	205.80	122.238	-1,262.98	10,455.60	1,536.94	1,182.75	354.19	4.339		
19,000.00	9,360.00	20,012.06	10,175.00	206.04	207.86	122.238	-1,262.68	10,555.60	1,536.94	1,179.17	357.77	4.296		
19,000.00	9,360.00	20,012.07	10,175.00	206.04	207.86	122.238	-1,262.68	10,555.60	1,536.94	1,179.17	357.77	4.296		
19,100.00	9,360.00	20,112.06	10,175.00	208.10	209.91	122.238	-1,262.38	10,655.60	1,536.94	1,175.58	361.36	4.253		
19,100.00	9,360.00	20,112.07	10,175.00	208.10	209.91	122.238	-1,262.38	10,655.60	1,536.94	1,175.58	361.36	4.253		
19,200.00	9,360.00	20,212.06	10,175.00	210.17	211.96	122.238	-1,262.08	10,755.60	1,536.94	1,172.00	364.94	4.211		
19,200.00	9,360.00	20,212.07	10,175.00	210.17	211.96	122.238	-1,262.08	10,755.60	1,536.94	1,172.00	364.94	4.211		
19,300.00	9,360.00	20,312.06	10,175.00	212.23	214.02	122.238	-1,261.78	10,855.60	1,536.94	1,168.41	368.53	4.170		
19,300.00	9,360.00	20,312.07	10,175.00	212.23	214.02	122.238	-1,261.78	10,855.60	1,536.94	1,168.41	368.53	4.170		
19,400.00	9,360.00	20,412.06	10,175.00	214.30	216.08	122.238	-1,261.49	10,955.60	1,536.94	1,164.82	372.12	4.130		
19,500.00	9,360.00	20,512.06	10,175.00	216.36	218.13	122.238	-1,261.19	11,055.60	1,536.94	1,161.24	375.70	4.091		
19,500.00	9,360.00	20,512.07	10,175.00	216.36	218.13	122.238	-1,261.19	11,055.60	1,536.94	1,161.24	375.70	4.091		
19,600.00	9,360.00	20,612.06	10,175.00	218.43	220.19	122.238	-1,260.89	11,155.60	1,536.94	1,157.65	379.29	4.052		
19,600.00	9,360.00	20,612.07	10,175.00	218.43	220.19	122.238	-1,260.89	11,155.60	1,536.94	1,157.65	379.29	4.052		
19,700.00	9,360.00	20,712.06	10,175.00	220.49	222.24	122.238	-1,260.59	11,255.60	1,536.94	1,154.06	382.88	4.014		
19,700.00	9,360.00	20,712.07	10,175.00	220.49	222.24	122.238	-1,260.59	11,255.60	1,536.94	1,154.06	382.88	4.014		
19,800.00	9,360.00	20,812.06	10,175.00	222.56	224.30	122.238	-1,260.29	11,355.60	1,536.94	1,150.48	386.46	3.977		
19,800.00	9,360.00	20,812.07	10,175.00	222.56	224.30	122.238	-1,260.29	11,355.60	1,536.94	1,150.48	386.46	3.977		
19,900.00	9,360.00	20,912.06	10,175.00	224.62	226.36	122.238	-1,260.00	11,455.60	1,536.94	1,146.89	390.05	3.940		
20,000.00	9,360.00	21,012.06	10,175.00	226.69	228.41	122.238	-1,259.70	11,555.60	1,536.94	1,143.30	393.64	3.904		
20,000.00	9,360.00	21,012.07	10,175.00	226.69	228.41	122.238	-1,259.70	11,555.60	1,536.94	1,143.30	393.64	3.904		
20,100.00	9,360.00	21,112.06	10,175.00	228.75	230.47	122.238	-1,259.40	11,655.60	1,536.94	1,139.71	397.23	3.869		
20,100.03	9,360.00	21,112.09	10,175.00	228.75	230.47	122.238	-1,259.40	11,655.62	1,536.94	1,139.71	397.23	3.869		
20,181.28	9,360.00	21,193.34	10,175.00	230.43	232.14	122.238	-1,259.16	11,736.88	1,536.94	1,136.80	400.15	3.841 SF		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre		Rule Assigned:				
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.253	-296.62	45.64	300.14	298.57	1.54	194.816	
100.00	100.00	96.08	96.08	0.79	0.75	171.253	-296.62	45.64	300.11	297.25	2.87	104.704		
200.00	200.00	196.08	196.08	1.45	1.42	171.253	-296.62	45.64	300.11	296.35	3.77	79.692		
300.00	300.00	296.08	296.08	1.89	1.87	171.253	-296.62	45.64	300.11	295.62	4.49	66.793		
400.00	400.00	396.08	396.08	2.25	2.24	171.253	-296.62	45.64	300.11	294.99	5.12	58.581		
500.00	500.00	496.08	496.08	2.57	2.56	171.253	-296.62	45.64	300.11	294.43	5.69	52.761		
600.00	600.00	596.08	596.08	2.85	2.84	171.253	-296.62	45.64	300.11	293.91	6.21	48.357		
700.00	700.00	696.08	696.08	3.11	3.10	171.253	-296.62	45.64	300.11	293.43	6.69	44.872		
800.00	800.00	796.08	796.08	3.35	3.34	171.253	-296.62	45.64	300.11	292.97	7.14	42.024		
900.00	900.00	896.08	896.08	3.58	3.57	171.253	-296.62	45.64	300.11	292.54	7.57	39.640		
1,000.00	1,000.00	996.08	996.08	3.79	3.78	171.253	-296.62	45.64	300.11	292.13	7.98	37.604		
1,100.00	1,100.00	1,096.08	1,096.08	3.99	3.99	171.253	-296.62	45.64	300.11	291.74	8.37	35.839		
1,200.00	1,200.00	1,196.08	1,196.08	4.19	4.18	171.253	-296.62	45.64	300.11	291.36	8.75	34.289		
1,300.00	1,300.00	1,296.08	1,296.08	4.38	4.37	171.253	-296.62	45.64	300.11	291.00	9.12	32.915		
1,400.00	1,400.00	1,396.08	1,396.08	4.56	4.56	171.253	-296.62	45.64	300.11	290.64	9.47	31.683		
1,500.00	1,500.00	1,496.08	1,496.08	4.74	4.73	171.253	-296.62	45.64	300.11	290.30	9.82	30.572		
1,600.00	1,600.00	1,596.08	1,596.08	4.91	4.90	171.253	-296.62	45.64	300.11	289.96	10.15	29.563		
1,700.00	1,700.00	1,696.08	1,696.08	5.08	5.07	171.253	-296.62	45.64	300.11	289.63	10.48	28.640		
1,800.00	1,800.00	1,796.08	1,796.08	5.24	5.24	171.253	-296.62	45.64	300.11	289.32	10.80	27.792		
1,900.00	1,900.00	1,896.08	1,896.08	5.40	5.40	171.253	-296.62	45.64	300.11	289.00	11.11	27.010		
2,000.00	2,000.00	1,996.08	1,996.08	5.56	5.55	171.253	-296.62	45.64	300.11	288.71	11.55	25.830		
2,100.00	2,100.00	2,107.64	2,107.58	5.71	5.97	170.830	-294.22	47.49	298.25	286.71	12.34	24.460		
2,200.00	2,200.00	2,218.93	2,218.45	5.86	6.39	169.468	-286.70	53.30	292.47	280.52	12.91	22.951		
2,300.00	2,300.00	2,328.76	2,327.14	6.01	6.81	167.085	-274.28	62.89	283.11	270.78	13.49	21.439		
2,400.00	2,400.00	2,436.43	2,432.64	6.16	7.17	163.548	-257.33	75.99	270.80	258.16	14.07	20.032		
2,500.00	2,500.00	2,535.28	2,528.71	6.30	7.37	159.308	-238.89	90.23	257.44	244.59	14.67	19.521		
2,600.00	2,600.00	2,632.44	2,623.10	6.44	7.61	154.705	-220.69	104.29	245.58	232.47	15.16	18.738		
2,700.00	2,700.00	2,729.60	2,717.50	6.58	7.88	149.693	-202.48	118.35	235.51	222.16	15.74	17.642		
2,800.00	2,800.00	2,826.75	2,811.89	6.71	8.16	144.301	-184.28	132.41	227.47	213.88	16.33	16.745		
2,900.00	2,900.00	2,923.91	2,906.29	6.85	8.47	138.589	-166.08	146.47	221.68	207.86	16.92	16.042		
3,000.00	3,000.00	3,021.07	3,000.68	6.98	8.78	132.649	-147.87	160.53	218.31	204.24	17.51	15.521		
3,082.16	3,082.16	3,100.89	3,078.24	7.09	9.05	127.682	-132.92	172.08	217.44	203.15	18.29	15.216 CC		
3,100.00	3,100.00	3,118.23	3,095.08	7.12	9.12	126.601	-129.67	174.59	217.48	203.14	18.84	15.163 ES		
3,200.00	3,200.00	3,215.38	3,189.48	7.25	9.46	120.577	-111.47	188.65	219.22	204.55	19.47	14.944		
3,300.00	3,300.00	3,312.54	3,283.87	7.37	9.81	114.706	-93.26	202.71	223.47	208.42	20.05	14.844		
3,400.00	3,400.00	3,409.70	3,378.27	7.50	10.18	109.099	-75.06	216.77	230.09	214.59	20.50	14.841		
3,500.00	3,500.00	3,506.85	3,472.66	7.63	10.55	103.837	-56.86	230.83	238.88	222.87	20.01	14.921		
3,600.00	3,599.98	3,604.25	3,567.29	7.80	10.93	9.611	-38.61	244.93	247.91	231.30	16.61	14.925		
3,700.00	3,699.84	3,702.04	3,662.29	7.98	11.32	5.201	-20.29	259.08	255.15	237.90	17.24	14.797		
3,800.00	3,799.45	3,800.10	3,757.57	8.16	11.72	1.072	-1.91	273.27	260.37	242.44	17.93	14.523		
3,900.00	3,898.70	3,898.31	3,852.99	8.36	12.13	-2.912	16.49	287.48	263.45	244.78	18.66	14.115		
4,000.00	3,997.47	3,996.56	3,948.45	8.59	12.54	-6.874	34.90	301.70	264.34	244.89	19.45	13.590		
4,100.00	4,095.62	4,094.73	4,043.83	8.83	12.95	-10.930	53.29	315.91	263.11	242.82	20.29	12.968		
4,200.00	4,193.08	4,192.71	4,139.02	9.02	13.37	-15.187	71.65	330.09	260.00	238.90	21.10	12.323		
4,300.00	4,290.34	4,290.61	4,234.13	9.26	13.79	-19.575	89.99	344.26	257.52	235.56	21.97	11.724		
4,389.13	4,377.01	4,377.87	4,318.91	9.48	14.17	-23.533	106.34	356.88	256.66	233.92	22.74	11.285		
4,400.00	4,387.59	4,388.51	4,329.25	9.50	14.22	-24.017	108.33	358.42	256.64	233.80	22.84	11.238		
4,500.00	4,484.84	4,486.41	4,424.37	9.77	14.65	-28.462	126.68	372.59	257.38	233.68	23.70	10.860		
4,600.00	4,582.09	4,584.32	4,519.49	10.05	15.08	-32.856	145.02	386.76	259.71	235.18	24.53	10.586		
4,700.00	4,679.34	4,682.22	4,614.61	10.35	15.51	-37.150	163.36	400.93	263.61	238.28	25.33	10.408		
4,800.00	4,776.59	4,780.12	4,709.73	10.66	15.95	-41.302	181.71	415.10	268.99	242.92	26.07	10.317		
4,900.00	4,873.84	4,878.03	4,804.85	10.99	16.39	-45.277	200.05	429.26	275.78	249.02	26.76	10.304		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference	Measured	Offset	Semi	Major	Axis	Offset	Highside	Offset	Wellbore	Centre	Rule Assigned:		
Measured	Vertical	Measured	Vertical	Reference	Major	Axis	Offset	Toolface	+N/-S	+E/-W	Distance			
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
5,000.00	4,971.09	4,975.93	4,899.97	11.32	16.83	-49.051	218.39	443.43	283.87	256.47	27.40	10.360		
5,100.00	5,068.34	5,073.83	4,995.09	11.67	17.28	-52.608	236.74	457.60	293.15	265.16	27.99	10.474		
5,200.00	5,165.59	5,171.74	5,090.21	12.03	17.72	-55.941	255.08	471.77	303.52	274.99	28.53	10.637		
5,300.00	5,262.84	5,269.64	5,185.33	12.39	18.17	-59.052	273.42	485.94	314.87	285.83	29.04	10.843		
5,400.00	5,360.09	5,367.54	5,280.45	12.77	18.62	-61.943	291.76	500.10	327.10	297.58	29.52	11.082		
5,500.00	5,457.34	5,465.45	5,375.57	13.15	19.07	-64.626	310.11	514.27	340.10	310.13	29.97	11.349		
5,600.00	5,554.59	5,563.35	5,470.69	13.54	19.52	-67.111	328.45	528.44	353.80	323.40	30.40	11.637		
5,700.00	5,651.84	5,661.25	5,565.81	13.93	19.97	-69.410	346.79	542.61	368.12	337.30	30.82	11.943		
5,800.00	5,749.09	5,759.15	5,660.93	14.33	20.43	-71.537	365.14	556.78	382.99	351.76	31.24	12.262		
5,900.00	5,846.35	5,857.06	5,756.05	14.74	20.88	-73.507	383.48	570.95	398.35	366.71	31.64	12.589		
6,000.00	5,943.60	5,954.96	5,851.17	15.15	21.34	-75.330	401.82	585.11	414.14	382.09	32.05	12.923		
6,100.00	6,040.85	6,052.86	5,946.29	15.57	21.80	-77.020	420.17	599.28	430.31	397.86	32.45	13.260		
6,200.00	6,138.10	6,150.77	6,041.41	15.99	22.26	-78.588	438.51	613.45	446.83	413.97	32.86	13.599		
6,300.00	6,235.35	6,248.67	6,136.53	16.41	22.72	-80.045	456.85	627.62	463.65	430.38	33.27	13.938		
6,400.00	6,332.60	6,346.57	6,231.65	16.84	23.18	-81.401	475.20	641.79	480.75	447.07	33.68	14.275		
6,500.00	6,429.85	6,444.48	6,326.77	17.27	23.64	-82.664	493.54	655.95	498.09	464.00	34.10	14.609		
6,600.00	6,527.10	6,542.38	6,421.89	17.70	24.10	-83.842	511.88	670.12	515.66	481.14	34.52	14.939		
6,700.00	6,624.35	6,640.28	6,517.01	18.14	24.56	-84.943	530.23	684.29	533.42	498.47	34.95	15.261		
6,800.00	6,721.92	6,738.29	6,612.24	18.59	25.03	-86.156	548.59	698.47	551.47	516.07	35.40	15.578		
6,900.00	6,820.20	6,839.67	6,710.74	19.03	25.50	-87.013	567.55	713.12	569.79	533.88	35.91	15.867		
7,000.00	6,919.06	6,970.15	6,838.65	19.46	26.14	-87.765	587.85	728.80	585.10	548.57	36.53	16.016		
7,100.00	7,018.38	7,102.23	6,969.61	19.87	26.75	-88.464	601.31	739.20	595.10	558.09	37.00	16.083		
7,200.00	7,118.05	7,235.12	7,102.23	20.25	27.21	-89.128	607.60	744.05	599.70	562.49	37.21	16.117		
7,300.00	7,217.94	7,346.91	7,214.02	20.58	27.33	-89.604	608.07	744.41	600.01	562.77	37.23	16.115		
7,400.00	7,317.93	7,446.90	7,314.01	20.72	27.37	-0.335	608.07	744.41	600.00	562.68	37.32	16.075		
7,500.00	7,417.93	7,546.90	7,414.01	20.78	27.41	-0.335	608.07	744.41	600.00	562.54	37.46	16.015		
7,600.00	7,517.93	7,646.90	7,514.01	20.82	27.46	-0.335	608.07	744.41	600.00	562.41	37.59	15.961		
7,700.00	7,617.93	7,746.90	7,614.01	20.87	27.50	-0.335	608.07	744.41	600.00	562.28	37.72	15.907		
7,800.00	7,717.93	7,846.90	7,714.01	20.92	27.54	-0.335	608.07	744.41	600.00	562.15	37.85	15.854		
7,900.00	7,817.93	7,946.90	7,814.01	20.97	27.58	-0.335	608.07	744.41	600.00	562.03	37.97	15.801		
8,000.00	7,917.93	8,046.90	7,914.01	21.01	27.62	-0.335	608.07	744.41	600.00	561.90	38.10	15.748		
8,100.00	8,017.93	8,146.90	8,014.01	21.06	27.67	-0.335	608.07	744.41	600.00	561.77	38.23	15.695		
8,200.00	8,117.93	8,246.90	8,114.01	21.11	27.71	-0.335	608.07	744.41	600.00	561.64	38.36	15.642		
8,300.00	8,217.93	8,346.90	8,214.01	21.16	27.75	-0.335	608.07	744.41	600.00	561.51	38.49	15.590		
8,400.00	8,317.93	8,446.90	8,314.01	21.21	27.80	-0.335	608.07	744.41	600.00	561.39	38.61	15.538		
8,500.00	8,417.93	8,546.90	8,414.01	21.26	27.84	-0.335	608.07	744.41	600.00	561.26	38.74	15.486		
8,600.00	8,517.93	8,646.90	8,514.01	21.31	27.88	-0.335	608.07	744.41	600.00	561.13	38.87	15.435		
8,700.00	8,617.93	8,746.90	8,614.01	21.35	27.93	-0.335	608.07	744.41	600.00	561.00	39.00	15.384		
8,800.00	8,717.93	8,846.90	8,714.01	21.40	27.97	-0.335	608.07	744.41	600.00	560.87	39.13	15.333		
8,800.00	8,717.93	8,846.90	8,714.01	21.40	27.97	-0.335	608.07	744.41	600.00	560.87	39.13	15.333		
8,900.00	8,817.91	8,946.89	8,813.99	21.48	28.01	-90.243	608.07	744.41	600.00	560.76	39.24	15.290		
9,000.00	8,916.79	9,045.77	8,912.87	21.94	28.06	-91.544	608.07	744.41	600.23	561.06	39.16	15.326		
9,100.00	9,011.73	9,140.70	9,007.81	22.47	28.10	-94.175	608.07	744.41	601.88	562.95	38.93	15.461		
9,200.00	9,099.84	9,228.81	9,095.92	23.01	28.14	-97.528	608.07	744.41	607.42	568.78	38.63	15.723		
9,300.00	9,178.45	9,307.42	9,174.53	23.52	28.17	-100.768	608.07	744.41	620.01	581.60	38.41	16.144		
9,400.00	9,245.16	9,374.13	9,241.24	23.97	28.20	-102.996	608.07	744.41	642.78	604.40	38.37	16.751		
9,500.00	9,297.95	9,426.93	9,294.03	24.35	28.23	-103.381	608.07	744.41	677.82	639.23	38.59	17.563		
9,600.00	9,335.22	9,464.20	9,331.30	24.62	28.24	-101.189	608.07	744.41	725.58	686.54	39.04	18.586		
9,700.00	9,355.84	9,484.81	9,351.92	24.78	28.25	-95.792	608.07	744.41	784.70	745.08	39.62	19.803		
9,800.00	9,360.00	9,488.97	9,356.08	24.83	28.26	-90.000	608.07	744.41	852.47	812.23	40.24	21.183		
9,900.00	9,360.00	9,488.97	9,356.08	24.86	28.26	-90.000	608.07	744.41	926.18	885.30	40.88	22.654		
10,000.00	9,360.00	9,488.97	9,356.08	24.94	28.26	-90.000	608.07	744.41	1,004.46	962.94	41.52	24.192		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (%)	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	9,360.00	10,967.54	10,175.00	26.19	33.81	-143.771	610.77	1,649.97	1,015.20	970.40	44.80	22.661		
10,100.00	9,360.00	10,967.54	10,175.00	26.19	33.81	-143.771	610.77	1,649.98	1,015.20	970.40	44.80	22.660		
10,200.00	9,360.00	11,067.54	10,175.00	27.89	34.80	-143.771	611.07	1,749.97	1,015.20	968.82	46.38	21.889		
10,200.00	9,360.00	11,067.54	10,175.00	27.89	34.80	-143.771	611.07	1,749.98	1,015.20	968.82	46.38	21.888		
10,300.00	9,360.00	11,167.54	10,175.00	29.64	35.92	-143.771	611.37	1,849.97	1,015.20	967.13	48.06	21.122		
10,300.00	9,360.00	11,167.54	10,175.00	29.64	35.92	-143.771	611.37	1,849.98	1,015.20	967.13	48.06	21.122		
10,400.00	9,360.00	11,267.54	10,175.00	31.43	37.15	-143.771	611.66	1,949.97	1,015.20	965.36	49.84	20.369		
10,400.00	9,360.00	11,267.54	10,175.00	31.43	37.16	-143.771	611.66	1,949.98	1,015.20	965.36	49.84	20.369		
10,500.00	9,360.00	11,367.54	10,175.00	33.25	38.49	-143.771	611.96	2,049.97	1,015.20	963.50	51.70	19.635		
10,500.00	9,360.00	11,367.54	10,175.00	33.25	38.49	-143.771	611.96	2,049.98	1,015.20	963.50	51.70	19.635		
10,600.00	9,360.00	11,467.54	10,175.00	35.10	39.92	-143.771	612.26	2,149.97	1,015.20	961.56	53.64	18.927		
10,600.00	9,360.00	11,467.54	10,175.00	35.10	39.92	-143.771	612.26	2,149.97	1,015.20	961.56	53.64	18.927		
10,700.00	9,360.00	11,567.54	10,175.00	36.98	41.42	-143.771	612.56	2,249.97	1,015.20	959.56	55.64	18.245		
10,700.00	9,360.00	11,567.54	10,175.00	36.98	41.42	-143.771	612.56	2,249.97	1,015.20	959.55	55.64	18.245		
10,800.00	9,360.00	11,667.54	10,175.00	38.87	42.98	-143.771	612.86	2,349.97	1,015.20	957.49	57.71	17.592		
10,800.00	9,360.00	11,667.54	10,175.00	38.87	42.98	-143.771	612.86	2,349.97	1,015.20	957.49	57.71	17.592		
10,900.00	9,360.00	11,767.54	10,175.00	40.78	44.60	-143.771	613.15	2,449.97	1,015.20	955.37	59.83	16.968		
10,900.00	9,360.00	11,767.54	10,175.00	40.78	44.60	-143.771	613.15	2,449.97	1,015.20	955.37	59.83	16.968		
11,000.00	9,360.00	11,867.54	10,175.00	42.71	46.27	-143.771	613.45	2,549.97	1,015.20	953.20	62.00	16.375		
11,000.00	9,360.00	11,867.54	10,175.00	42.71	46.27	-143.771	613.45	2,549.97	1,015.20	953.20	62.00	16.375		
11,100.00	9,360.00	11,967.54	10,175.00	44.65	47.97	-143.771	613.75	2,649.97	1,015.20	950.99	64.21	15.810		
11,100.00	9,360.00	11,967.54	10,175.00	44.65	47.97	-143.771	613.75	2,649.97	1,015.20	950.99	64.21	15.810		
11,200.00	9,360.00	12,067.54	10,175.00	46.60	49.70	-143.771	614.05	2,749.97	1,015.20	948.73	66.46	15.274		
11,200.00	9,360.00	12,067.54	10,175.00	46.60	49.70	-143.771	614.05	2,749.97	1,015.20	948.73	66.46	15.274		
11,300.00	9,360.00	12,167.54	10,175.00	48.56	51.47	-143.771	614.35	2,849.97	1,015.20	946.44	68.75	14.766		
11,300.00	9,360.00	12,167.54	10,175.00	48.56	51.47	-143.771	614.35	2,849.97	1,015.20	946.44	68.75	14.766		
11,400.00	9,360.00	12,267.54	10,175.00	50.53	53.26	-143.771	614.65	2,949.97	1,015.20	944.12	71.08	14.283		
11,400.00	9,360.00	12,267.54	10,175.00	50.53	53.26	-143.771	614.65	2,949.97	1,015.20	944.12	71.08	14.283		
11,500.00	9,360.00	12,367.54	10,175.00	52.50	55.07	-143.771	614.94	3,049.97	1,015.20	941.77	73.43	13.826		
11,500.00	9,360.00	12,367.54	10,175.00	52.50	55.08	-143.771	614.94	3,049.97	1,015.20	941.77	73.43	13.826		
11,600.00	9,360.00	12,467.54	10,175.00	54.49	56.91	-143.771	615.24	3,149.97	1,015.20	939.39	75.81	13.392		
11,600.00	9,360.00	12,467.54	10,175.00	54.49	56.91	-143.771	615.24	3,149.97	1,015.20	939.39	75.81	13.392		
11,700.00	9,360.00	12,567.54	10,175.00	56.48	58.76	-143.771	615.54	3,249.97	1,015.20	936.99	78.21	12.981		
11,700.00	9,360.00	12,567.54	10,175.00	56.48	58.76	-143.771	615.54	3,249.97	1,015.20	936.99	78.21	12.981		
11,800.00	9,360.00	12,667.54	10,175.00	58.47	60.63	-143.771	615.84	3,349.97	1,015.20	934.57	80.63	12.591		
11,800.00	9,360.00	12,667.54	10,175.00	58.47	60.63	-143.771	615.84	3,349.97	1,015.20	934.57	80.63	12.591		
11,900.00	9,360.00	12,767.54	10,175.00	60.47	62.51	-143.771	616.14	3,449.97	1,015.20	932.12	83.08	12.220		
11,900.00	9,360.00	12,767.54	10,175.00	60.47	62.51	-143.771	616.14	3,449.97	1,015.20	932.12	83.08	12.220		
12,000.00	9,360.00	12,867.54	10,175.00	62.48	64.40	-143.771	616.44	3,549.97	1,015.20	929.66	85.54	11.868		
12,000.00	9,360.00	12,867.54	10,175.00	62.48	64.40	-143.771	616.44	3,549.97	1,015.20	929.66	85.54	11.868		
12,100.00	9,360.00	12,967.54	10,175.00	64.49	66.31	-143.771	616.73	3,649.97	1,015.20	927.18	88.02	11.534		
12,100.00	9,360.00	12,967.54	10,175.00	64.49	66.31	-143.771	616.73	3,649.97	1,015.20	927.18	88.02	11.534		
12,200.00	9,360.00	13,067.54	10,175.00	66.50	68.22	-143.771	617.03	3,749.97	1,015.20	924.68	90.52	11.216		
12,200.00	9,360.00	13,067.54	10,175.00	66.50	68.22	-143.771	617.03	3,749.97	1,015.20	924.68	90.52	11.216		
12,300.00	9,360.00	13,167.54	10,175.00	68.52	70.14	-143.771	617.33	3,849.96	1,015.20	922.17	93.02	10.913		
12,300.00	9,360.00	13,167.54	10,175.00	68.52	70.14	-143.771	617.33	3,849.97	1,015.20	922.17	93.02	10.913		
12,400.00	9,360.00	13,267.54	10,175.00	70.54	72.08	-143.771	617.63	3,949.96	1,015.20	919.65	95.55	10.625		
12,400.00	9,360.00	13,267.54	10,175.00	70.54	72.08	-143.771	617.63	3,949.97	1,015.20	919.65	95.55	10.625		
12,500.00	9,360.00	13,367.54	10,175.00	72.56	74.02	-143.771	617.93	4,049.96	1,015.20	917.12	98.08	10.350		
12,500.00	9,360.00	13,367.54	10,175.00	72.56	74.02	-143.771	617.93	4,049.97	1,015.20	917.12	98.08	10.350		
12,600.00	9,360.00	13,467.54	10,175.00	74.58	75.97	-143.771	618.22	4,149.96	1,015.20	914.57	100.63	10.089		
12,600.00	9,360.00	13,467.54	10,175.00	74.58	75.97	-143.771	618.22	4,149.97	1,015.20	914.57	100.63	10.089		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1												Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1											Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,700.00	9,360.00	13,567.54	10,175.00	76.61	77.92	-143.771	618.52	4,249.96	1,015.20	912.01	103.19	9.839	
12,700.00	9,360.00	13,567.54	10,175.00	76.61	77.92	-143.771	618.52	4,249.97	1,015.20	912.01	103.19	9.839	
12,800.00	9,360.00	13,667.54	10,175.00	78.64	79.88	-143.771	618.82	4,349.96	1,015.20	909.45	105.75	9.600	
12,800.00	9,360.00	13,667.54	10,175.00	78.64	79.88	-143.771	618.82	4,349.96	1,015.20	909.45	105.75	9.600	
12,900.00	9,360.00	13,767.54	10,175.00	80.67	81.85	-143.771	619.12	4,449.96	1,015.20	906.87	108.33	9.372	
12,900.00	9,360.00	13,767.54	10,175.00	80.67	81.85	-143.771	619.12	4,449.96	1,015.20	906.87	108.33	9.372	
13,000.00	9,360.00	13,867.54	10,175.00	82.71	83.82	-143.771	619.42	4,549.96	1,015.20	904.29	110.91	9.153	
13,000.00	9,360.00	13,867.54	10,175.00	82.71	83.82	-143.771	619.42	4,549.96	1,015.20	904.29	110.91	9.153	
13,100.00	9,360.00	13,967.54	10,175.00	84.74	85.79	-143.771	619.72	4,649.96	1,015.20	901.70	113.50	8.944	
13,100.00	9,360.00	13,967.54	10,175.00	84.74	85.79	-143.771	619.72	4,649.96	1,015.20	901.70	113.50	8.944	
13,200.00	9,360.00	14,067.54	10,175.00	86.78	87.77	-143.771	620.01	4,749.96	1,015.20	899.10	116.10	8.744	
13,200.00	9,360.00	14,067.54	10,175.00	86.78	87.77	-143.771	620.01	4,749.96	1,015.20	899.10	116.10	8.744	
13,300.00	9,360.00	14,167.54	10,175.00	88.82	89.76	-143.771	620.31	4,849.96	1,015.20	896.49	118.70	8.552	
13,300.00	9,360.00	14,167.54	10,175.00	88.82	89.76	-143.771	620.31	4,849.96	1,015.20	896.49	118.70	8.552	
13,400.00	9,360.00	14,267.54	10,175.00	90.86	91.75	-143.771	620.61	4,949.96	1,015.20	893.88	121.32	8.368	
13,400.00	9,360.00	14,267.54	10,175.00	90.86	91.75	-143.771	620.61	4,949.96	1,015.20	893.88	121.32	8.368	
13,500.00	9,360.00	14,367.54	10,175.00	92.90	93.74	-143.771	620.91	5,049.96	1,015.20	891.27	123.93	8.192	
13,500.00	9,360.00	14,367.54	10,175.00	92.90	93.74	-143.771	620.91	5,049.96	1,015.20	891.27	123.93	8.192	
13,600.00	9,360.00	14,467.54	10,175.00	94.94	95.73	-143.771	621.21	5,149.96	1,015.20	888.64	126.56	8.022	
13,600.00	9,360.00	14,467.54	10,175.00	94.94	95.73	-143.771	621.21	5,149.96	1,015.20	888.64	126.56	8.022	
13,700.00	9,360.00	14,567.54	10,175.00	96.98	97.73	-143.771	621.51	5,249.96	1,015.20	886.01	129.18	7.859	
13,700.00	9,360.00	14,567.54	10,175.00	96.98	97.73	-143.771	621.80	5,349.96	1,015.20	883.38	131.82	7.702	
13,800.00	9,360.00	14,667.54	10,175.00	99.03	99.73	-143.771	621.80	5,349.96	1,015.20	883.38	131.82	7.702	
13,900.00	9,360.00	14,767.54	10,175.00	101.07	101.74	-143.771	622.10	5,449.96	1,015.20	880.74	134.45	7.551	
13,900.00	9,360.00	14,767.54	10,175.00	101.07	101.74	-143.771	622.10	5,449.96	1,015.20	880.74	134.45	7.551	
14,000.00	9,360.00	14,867.54	10,175.00	103.12	103.74	-143.771	622.40	5,549.96	1,015.20	878.10	137.10	7.405	
14,000.00	9,360.00	14,867.54	10,175.00	103.12	103.74	-143.771	622.40	5,549.96	1,015.20	878.10	137.10	7.405	
14,100.00	9,360.00	14,967.54	10,175.00	105.17	105.75	-143.771	622.70	5,649.96	1,015.20	875.46	139.74	7.265	
14,100.00	9,360.00	14,967.54	10,175.00	105.17	105.75	-143.771	622.70	5,649.96	1,015.20	875.46	139.74	7.265	
14,200.00	9,360.00	15,067.54	10,175.00	107.21	107.76	-143.771	623.00	5,749.96	1,015.20	872.81	142.39	7.130	
14,200.00	9,360.00	15,067.54	10,175.00	107.21	107.76	-143.771	623.00	5,749.96	1,015.20	872.81	142.39	7.130	
14,300.00	9,360.00	15,167.54	10,175.00	109.26	109.78	-143.771	623.29	5,849.96	1,015.20	870.15	145.04	6.999	
14,300.00	9,360.00	15,167.54	10,175.00	109.26	109.78	-143.771	623.29	5,849.96	1,015.20	870.15	145.04	6.999	
14,400.00	9,360.00	15,267.54	10,175.00	111.31	111.79	-143.771	623.59	5,949.96	1,015.20	867.50	147.70	6.873	
14,400.00	9,360.00	15,267.54	10,175.00	111.31	111.79	-143.771	623.59	5,949.96	1,015.20	867.50	147.70	6.873	
14,500.00	9,360.00	15,367.54	10,175.00	113.36	113.81	-143.771	623.89	6,049.95	1,015.20	864.84	150.36	6.752	
14,500.00	9,360.00	15,367.54	10,175.00	113.36	113.81	-143.771	623.89	6,049.96	1,015.20	864.84	150.36	6.752	
14,600.00	9,360.00	15,467.54	10,175.00	115.42	115.83	-143.771	624.19	6,149.95	1,015.20	862.17	153.02	6.634	
14,600.00	9,360.00	15,467.54	10,175.00	115.42	115.83	-143.771	624.19	6,149.96	1,015.20	862.17	153.02	6.634	
14,700.00	9,360.00	15,567.54	10,175.00	117.47	117.85	-143.771	624.49	6,249.96	1,015.20	859.51	155.69	6.521	
14,700.00	9,360.00	15,567.54	10,175.00	117.47	117.85	-143.771	624.49	6,249.96	1,015.20	859.51	155.69	6.521	
14,800.00	9,360.00	15,667.54	10,175.00	119.52	119.88	-143.771	624.79	6,349.95	1,015.20	856.84	158.36	6.411	
14,800.00	9,360.00	15,667.54	10,175.00	119.52	119.88	-143.771	624.79	6,349.96	1,015.20	856.84	158.36	6.411	
14,900.00	9,360.00	15,767.54	10,175.00	121.57	121.90	-143.771	625.08	6,449.95	1,015.20	854.17	161.03	6.304	
14,900.00	9,360.00	15,767.54	10,175.00	121.57	121.90	-143.771	625.08	6,449.96	1,015.20	854.17	161.03	6.304	
15,000.00	9,360.00	15,867.54	10,175.00	123.63	123.93	-143.771	625.38	6,549.95	1,015.20	851.49	163.70	6.201	
15,000.00	9,360.00	15,867.54	10,175.00	123.63	123.93	-143.771	625.38	6,549.96	1,015.20	851.49	163.70	6.201	
15,100.00	9,360.00	15,967.54	10,175.00	125.68	125.95	-143.771	625.68	6,649.95	1,015.20	848.82	166.38	6.102	
15,100.00	9,360.00	15,967.54	10,175.00	125.68	125.95	-143.771	625.68	6,649.95	1,015.20	848.82	166.38	6.102	
15,200.00	9,360.00	16,067.54	10,175.00	127.74	127.98	-143.771	625.98	6,749.95	1,015.20	846.14	169.06	6.005	
15,200.00	9,360.00	16,067.54	10,175.00	127.74	127.98	-143.771	625.98	6,749.95	1,015.20	846.14	169.06	6.005	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre			Rule Assigned:			
15,300.00	9,360.00	16,167.54	10,175.00	129.79	130.01	-143.771	626.28	6,849.95	1,015.20	843.46	171.74	5.911		
15,300.00	9,360.00	16,167.54	10,175.00	129.79	130.01	-143.771	626.28	6,849.95	1,015.20	843.46	171.74	5.911		
15,400.00	9,360.00	16,267.54	10,175.00	131.85	132.04	-143.771	626.57	6,949.95	1,015.20	840.78	174.42	5.820		
15,400.00	9,360.00	16,267.54	10,175.00	131.85	132.04	-143.771	626.57	6,949.95	1,015.20	840.78	174.42	5.820		
15,500.00	9,360.00	16,367.54	10,175.00	133.90	134.08	-143.771	626.87	7,049.95	1,015.20	838.09	177.11	5.732		
15,500.00	9,360.00	16,367.54	10,175.00	133.90	134.08	-143.771	626.87	7,049.95	1,015.20	838.09	177.11	5.732		
15,600.00	9,360.00	16,467.54	10,175.00	135.96	136.11	-143.771	627.17	7,149.95	1,015.20	835.40	179.79	5.646		
15,600.00	9,360.00	16,467.54	10,175.00	135.96	136.11	-143.771	627.17	7,149.95	1,015.20	835.40	179.79	5.646		
15,700.00	9,360.00	16,567.54	10,175.00	138.02	138.14	-143.771	627.47	7,249.95	1,015.20	832.72	182.48	5.563		
15,700.00	9,360.00	16,567.54	10,175.00	138.02	138.14	-143.771	627.47	7,249.95	1,015.20	832.72	182.48	5.563		
15,800.00	9,360.00	16,667.54	10,175.00	140.07	140.18	-143.771	627.77	7,349.95	1,015.20	830.03	185.17	5.482		
15,800.00	9,360.00	16,667.54	10,175.00	140.07	140.18	-143.771	627.77	7,349.95	1,015.20	830.03	185.17	5.482		
15,900.00	9,360.00	16,767.54	10,175.00	142.13	142.22	-143.771	628.07	7,449.95	1,015.20	827.33	187.86	5.404		
15,900.00	9,360.00	16,767.54	10,175.00	142.13	142.22	-143.771	628.07	7,449.95	1,015.20	827.33	187.86	5.404		
16,000.00	9,360.00	16,867.54	10,175.00	144.19	144.25	-143.771	628.36	7,549.95	1,015.20	824.64	190.56	5.328		
16,000.00	9,360.00	16,867.54	10,175.00	144.19	144.25	-143.771	628.36	7,549.95	1,015.20	824.64	190.56	5.327		
16,100.00	9,360.00	16,967.54	10,175.00	146.25	146.29	-143.771	628.66	7,649.95	1,015.20	821.95	193.25	5.253		
16,100.00	9,360.00	16,967.54	10,175.00	146.25	146.29	-143.771	628.66	7,649.95	1,015.20	821.95	193.25	5.253		
16,200.00	9,360.00	17,067.54	10,175.00	148.31	148.33	-143.771	628.96	7,749.95	1,015.20	819.25	195.95	5.181		
16,200.00	9,360.00	17,067.54	10,175.00	148.31	148.33	-143.771	628.96	7,749.95	1,015.20	819.25	195.95	5.181		
16,300.00	9,360.00	17,167.54	10,175.00	150.37	150.37	-143.771	629.26	7,849.95	1,015.20	816.55	198.65	5.111		
16,300.00	9,360.00	17,167.54	10,175.00	150.37	150.37	-143.771	629.26	7,849.95	1,015.20	816.55	198.65	5.111		
16,400.00	9,360.00	17,267.54	10,175.00	152.42	152.41	-143.771	629.56	7,949.95	1,015.20	813.85	201.35	5.042		
16,400.00	9,360.00	17,267.54	10,175.00	152.42	152.41	-143.771	629.56	7,949.95	1,015.20	813.85	201.35	5.042		
16,500.00	9,360.00	17,367.54	10,175.00	154.48	154.46	-143.771	629.86	8,049.95	1,015.20	811.15	204.05	4.975		
16,600.00	9,360.00	17,467.54	10,175.00	156.54	156.50	-143.771	630.15	8,149.95	1,015.20	808.45	206.75	4.910		
16,600.00	9,360.00	17,467.54	10,175.00	156.54	156.50	-143.771	630.15	8,149.95	1,015.20	808.45	206.75	4.910		
16,700.00	9,360.00	17,567.54	10,175.00	158.60	158.54	-143.771	630.45	8,249.95	1,015.20	805.75	209.45	4.847		
16,700.00	9,360.00	17,567.54	10,175.00	158.60	158.54	-143.771	630.45	8,249.95	1,015.20	805.75	209.45	4.847		
16,800.00	9,360.00	17,667.54	10,175.00	160.66	160.58	-143.771	630.75	8,349.94	1,015.20	803.04	212.15	4.785		
16,800.00	9,360.00	17,667.54	10,175.00	160.66	160.58	-143.771	630.75	8,349.95	1,015.20	803.04	212.16	4.785		
16,900.00	9,360.00	17,767.54	10,175.00	162.73	162.63	-143.771	631.05	8,449.94	1,015.20	800.34	214.86	4.725		
16,900.00	9,360.00	17,767.54	10,175.00	162.73	162.63	-143.771	631.05	8,449.95	1,015.20	800.34	214.86	4.725		
17,000.00	9,360.00	17,867.54	10,175.00	164.79	164.67	-143.771	631.35	8,549.94	1,015.20	797.63	217.57	4.666		
17,000.00	9,360.00	17,867.54	10,175.00	164.79	164.67	-143.771	631.35	8,549.95	1,015.20	797.63	217.57	4.666		
17,100.00	9,360.00	17,967.54	10,175.00	166.85	166.72	-143.771	631.64	8,649.94	1,015.20	794.93	220.27	4.609		
17,100.00	9,360.00	17,967.54	10,175.00	166.85	166.72	-143.771	631.64	8,649.95	1,015.20	794.93	220.27	4.609		
17,200.00	9,360.00	18,067.54	10,175.00	168.91	168.77	-143.771	631.94	8,749.94	1,015.20	792.22	222.98	4.553		
17,200.00	9,360.00	18,067.54	10,175.00	168.91	168.77	-143.771	631.94	8,749.95	1,015.20	792.22	222.98	4.553		
17,300.00	9,360.00	18,167.54	10,175.00	170.97	170.81	-143.771	632.24	8,849.94	1,015.20	789.51	225.69	4.498		
17,300.00	9,360.00	18,167.54	10,175.00	170.97	170.81	-143.771	632.24	8,849.95	1,015.20	789.51	225.69	4.498		
17,400.00	9,360.00	18,267.54	10,175.00	173.03	172.86	-143.771	632.54	8,949.94	1,015.20	786.80	228.40	4.445		
17,400.00	9,360.00	18,267.54	10,175.00	173.03	172.86	-143.771	632.54	8,949.94	1,015.20	786.80	228.40	4.445		
17,500.00	9,360.00	18,367.54	10,175.00	175.09	174.91	-143.771	632.84	9,049.94	1,015.20	784.09	231.11	4.393		
17,500.00	9,360.00	18,367.54	10,175.00	175.09	174.91	-143.771	632.84	9,049.94	1,015.20	784.09	231.11	4.393		
17,600.00	9,360.00	18,467.54	10,175.00	177.16	176.96	-143.771	633.14	9,149.94	1,015.20	781.38	233.82	4.342		
17,600.00	9,360.00	18,467.54	10,175.00	177.16	176.96	-143.771	633.14	9,149.94	1,015.20	781.38	233.82	4.342		
17,700.00	9,360.00	18,567.54	10,175.00	179.22	179.01	-143.771	633.43	9,249.94	1,015.20	778.66	236.53	4.292		
17,700.00	9,360.00	18,567.54	10,175.00	179.22	179.01	-143.771	633.43	9,249.94	1,015.20	778.66	236.53	4.292		
17,800.00	9,360.00	18,667.54	10,175.00	181.28	181.06	-143.771	633.73	9,349.94	1,015.20	775.95	239.25	4.243		
17,800.00	9,360.00	18,667.54	10,175.00	181.28	181.06	-143.771	633.73	9,349.94	1,015.20	775.95	239.25	4.243		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (02) Bond 33-34 FED COM #304H - #304H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (%)	Offset Wellbore Centre		Rule Assigned:				
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,900.00	9,360.00	18,767.54	10,175.00	183.34	183.11	-143.771	634.03	9,449.94	1,015.20	773.24	241.96	4.196		
17,900.00	9,360.00	18,767.54	10,175.00	183.34	183.11	-143.771	634.03	9,449.94	1,015.20	773.24	241.96	4.196		
18,000.00	9,360.00	18,867.54	10,175.00	185.41	185.16	-143.771	634.33	9,549.94	1,015.20	770.52	244.68	4.149		
18,000.00	9,360.00	18,867.54	10,175.00	185.41	185.16	-143.771	634.33	9,549.94	1,015.20	770.52	244.68	4.149		
18,100.00	9,360.00	18,967.54	10,175.00	187.47	187.21	-143.771	634.63	9,649.94	1,015.20	767.81	247.39	4.104		
18,100.00	9,360.00	18,967.54	10,175.00	187.47	187.21	-143.771	634.63	9,649.94	1,015.20	767.81	247.39	4.104		
18,200.00	9,360.00	19,067.54	10,175.00	189.53	189.26	-143.771	634.93	9,749.94	1,015.20	765.09	250.11	4.059		
18,200.00	9,360.00	19,067.54	10,175.00	189.53	189.26	-143.771	634.93	9,749.94	1,015.20	765.09	250.11	4.059		
18,300.00	9,360.00	19,167.54	10,175.00	191.59	191.31	-143.771	635.22	9,849.94	1,015.20	762.37	252.83	4.015		
18,300.00	9,360.00	19,167.54	10,175.00	191.59	191.31	-143.771	635.22	9,849.94	1,015.20	762.37	252.83	4.015		
18,400.00	9,360.00	19,267.54	10,175.00	193.66	193.36	-143.771	635.52	9,949.94	1,015.20	759.66	255.54	3.973		
18,400.00	9,360.00	19,267.54	10,175.00	193.66	193.36	-143.771	635.52	9,949.94	1,015.20	759.66	255.54	3.973		
18,500.00	9,360.00	19,367.54	10,175.00	195.72	195.41	-143.771	635.82	10,049.94	1,015.20	756.94	258.26	3.931		
18,500.00	9,360.00	19,367.54	10,175.00	195.72	195.41	-143.771	635.82	10,049.94	1,015.20	756.94	258.26	3.931		
18,600.00	9,360.00	19,467.54	10,175.00	197.78	197.47	-143.771	636.12	10,149.94	1,015.20	754.22	260.98	3.890		
18,600.00	9,360.00	19,467.54	10,175.00	197.78	197.47	-143.771	636.12	10,149.94	1,015.20	754.22	260.98	3.890		
18,700.00	9,360.00	19,567.54	10,175.00	199.85	199.52	-143.771	636.42	10,249.94	1,015.20	751.50	263.70	3.850		
18,700.00	9,360.00	19,567.54	10,175.00	199.85	199.52	-143.771	636.42	10,249.94	1,015.20	751.50	263.70	3.850		
18,800.00	9,360.00	19,667.54	10,175.00	201.91	201.57	-143.771	636.71	10,349.94	1,015.20	748.78	266.42	3.811		
18,800.00	9,360.00	19,667.54	10,175.00	201.91	201.57	-143.771	636.71	10,349.94	1,015.20	748.78	266.42	3.811		
18,900.00	9,360.00	19,767.54	10,175.00	203.98	203.63	-143.771	637.01	10,449.94	1,015.20	746.06	269.14	3.772		
18,900.00	9,360.00	19,767.54	10,175.00	203.98	203.63	-143.771	637.01	10,449.94	1,015.20	746.06	269.14	3.772		
19,000.00	9,360.00	19,867.54	10,175.00	206.04	205.68	-143.771	637.31	10,549.94	1,015.20	743.34	271.86	3.734		
19,000.00	9,360.00	19,867.54	10,175.00	206.04	205.68	-143.771	637.31	10,549.94	1,015.20	743.34	271.86	3.734		
19,100.00	9,360.00	19,967.54	10,175.00	208.10	207.73	-143.771	637.61	10,649.93	1,015.20	740.62	274.58	3.697		
19,100.00	9,360.00	19,967.54	10,175.00	208.10	207.73	-143.771	637.61	10,649.94	1,015.20	740.62	274.58	3.697		
19,200.00	9,360.00	20,067.54	10,175.00	210.17	209.79	-143.771	637.91	10,749.93	1,015.20	737.90	277.30	3.661		
19,200.00	9,360.00	20,067.54	10,175.00	210.17	209.79	-143.771	637.91	10,749.94	1,015.20	737.90	277.30	3.661		
19,300.00	9,360.00	20,167.54	10,175.00	212.23	211.84	-143.771	638.21	10,849.93	1,015.20	735.17	280.03	3.625		
19,300.00	9,360.00	20,167.54	10,175.00	212.23	211.84	-143.771	638.21	10,849.94	1,015.20	735.17	280.03	3.625		
19,400.00	9,360.00	20,267.54	10,175.00	214.30	213.90	-143.771	638.50	10,949.93	1,015.20	732.45	282.75	3.590		
19,400.00	9,360.00	20,267.54	10,175.00	214.30	213.90	-143.771	638.50	10,949.94	1,015.20	732.45	282.75	3.590		
19,500.00	9,360.00	20,367.54	10,175.00	216.36	215.96	-143.771	638.80	11,049.93	1,015.20	729.73	285.47	3.556		
19,500.00	9,360.00	20,367.54	10,175.00	216.36	215.96	-143.771	638.80	11,049.94	1,015.20	729.73	285.47	3.556		
19,600.00	9,360.00	20,467.54	10,175.00	218.43	218.01	-143.771	639.10	11,149.93	1,015.20	727.00	288.20	3.523		
19,600.00	9,360.00	20,467.54	10,175.00	218.43	218.01	-143.771	639.10	11,149.93	1,015.20	727.00	288.20	3.523		
19,700.00	9,360.00	20,567.54	10,175.00	220.49	220.07	-143.771	639.40	11,249.93	1,015.20	724.28	290.92	3.490		
19,700.00	9,360.00	20,567.54	10,175.00	220.49	220.07	-143.771	639.40	11,249.93	1,015.20	724.28	290.92	3.490		
19,800.00	9,360.00	20,667.54	10,175.00	222.56	222.12	-143.771	639.70	11,349.93	1,015.20	721.55	293.64	3.457		
19,800.00	9,360.00	20,667.54	10,175.00	222.56	222.12	-143.771	639.70	11,349.93	1,015.20	721.55	293.64	3.457		
19,900.00	9,360.00	20,767.54	10,175.00	224.62	224.18	-143.771	639.99	11,449.93	1,015.20	718.83	296.37	3.425		
19,900.00	9,360.00	20,767.54	10,175.00	224.62	224.18	-143.771	639.99	11,449.93	1,015.20	718.83	296.37	3.425		
20,000.00	9,360.00	20,867.54	10,175.00	226.69	226.24	-143.771	640.29	11,549.93	1,015.20	716.10	299.09	3.394		
20,000.00	9,360.00	20,867.54	10,175.00	226.69	226.24	-143.771	640.29	11,549.93	1,015.20	716.10	299.09	3.394		
20,100.00	9,360.00	20,967.54	10,175.00	228.75	228.29	-143.771	640.59	11,649.93	1,015.20	713.38	301.82	3.364		
20,100.05	9,360.00	20,967.59	10,175.00	228.75	228.29	-143.771	640.59	11,649.98	1,015.20	713.38	301.82	3.364		
20,181.28	9,360.00	21,046.64	10,175.00	230.43	229.92	-143.771	640.83	11,729.03	1,015.20	711.16	304.04	3.339 SF		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1												Offset Site Error:	0.00 usft		
Survey Program:	0-MWD+IFR1											Rule Assigned:	Offset Well Error:	0.00 usft	
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.259	-276.62	42.53	279.90					
100.00	100.00	96.31	96.31	0.79	0.76	171.259	-276.62	42.53	279.87	278.33	1.54	181.464			
200.00	200.00	196.31	196.31	1.45	1.42	171.259	-276.62	42.53	279.87	277.01	2.87	97.590			
300.00	300.00	296.31	296.31	1.89	1.88	171.259	-276.62	42.53	279.87	276.11	3.77	74.297			
400.00	400.00	396.31	396.31	2.25	2.24	171.259	-276.62	42.53	279.87	275.38	4.49	62.277			
500.00	500.00	496.31	496.31	2.57	2.56	171.259	-276.62	42.53	279.87	274.75	5.12	54.622			
600.00	600.00	596.31	596.31	2.85	2.84	171.259	-276.62	42.53	279.87	274.18	5.69	49.197			
700.00	700.00	696.31	696.31	3.11	3.10	171.259	-276.62	42.53	279.87	273.67	6.21	45.091			
800.00	800.00	796.31	796.31	3.35	3.34	171.259	-276.62	42.53	279.87	273.18	6.69	41.842			
900.00	900.00	896.31	896.31	3.58	3.57	171.259	-276.62	42.53	279.87	272.73	7.14	39.187			
1,000.00	1,000.00	996.31	996.31	3.79	3.78	171.259	-276.62	42.53	279.87	272.30	7.57	36.964			
1,100.00	1,100.00	1,096.31	1,096.31	3.99	3.99	171.259	-276.62	42.53	279.87	271.89	7.98	35.066			
1,200.00	1,200.00	1,196.31	1,196.31	4.19	4.18	171.259	-276.62	42.53	279.87	271.50	8.37	33.420			
1,300.00	1,300.00	1,296.31	1,296.31	4.38	4.37	171.259	-276.62	42.53	279.87	271.12	8.75	31.975			
1,400.00	1,400.00	1,396.31	1,396.31	4.56	4.56	171.259	-276.62	42.53	279.87	270.75	9.12	30.693			
1,500.00	1,500.00	1,496.31	1,496.31	4.74	4.73	171.259	-276.62	42.53	279.87	270.40	9.47	29.545			
1,600.00	1,600.00	1,596.31	1,596.31	4.91	4.91	171.259	-276.62	42.53	279.87	270.06	9.82	28.509			
1,700.00	1,700.00	1,696.31	1,696.31	5.08	5.07	171.259	-276.62	42.53	279.87	269.72	10.15	27.568			
1,800.00	1,800.00	1,796.31	1,796.31	5.24	5.24	171.259	-276.62	42.53	279.87	269.39	10.48	26.708			
1,900.00	1,900.00	1,897.72	1,897.70	5.40	5.48	171.597	-276.62	40.86	279.63	268.84	10.79	25.909			
2,000.00	2,000.00	1,997.70	1,997.62	5.56	5.63	172.305	-276.62	37.38	279.14	268.05	11.09	25.181			
2,100.00	2,100.00	2,097.63	2,097.49	5.71	5.79	173.016	-276.62	33.89	278.69	267.32	11.37	24.505			
2,200.00	2,200.00	2,197.57	2,197.37	5.86	5.96	173.729	-276.62	30.40	278.29	266.63	11.66	23.876			
2,300.00	2,300.00	2,297.51	2,297.25	6.01	6.15	174.443	-276.62	26.91	277.93	266.00	11.93	23.288			
2,400.00	2,400.00	2,397.45	2,397.13	6.16	6.34	175.160	-276.62	23.42	277.61	265.41	12.21	22.738			
2,500.00	2,500.00	2,497.39	2,497.01	6.30	6.55	175.878	-276.62	19.94	277.34	264.86	12.48	22.222			
2,512.77	2,512.77	2,509.47	2,509.08	6.32	6.57	175.963	-276.63	19.52	277.32	264.81	12.51	22.162 CC, ES			
2,600.00	2,600.00	2,590.60	2,590.18	6.44	6.75	176.361	-277.66	17.66	278.29	265.55	12.74	21.851			
2,700.00	2,700.00	2,683.55	2,683.07	6.58	6.91	176.445	-280.89	17.45	281.74	268.75	12.99	21.690			
2,800.00	2,800.00	2,776.26	2,775.60	6.71	6.99	176.142	-286.29	19.31	287.69	274.42	13.26	21.692			
2,900.00	2,900.00	2,868.54	2,867.49	6.85	7.05	175.486	-293.83	23.20	296.15	282.60	13.55	21.862			
3,000.00	3,000.00	2,960.20	2,958.45	6.98	7.11	174.527	-303.44	29.07	307.17	293.34	13.84	22.202			
3,100.00	3,100.00	3,051.06	3,048.22	7.12	7.19	173.326	-315.05	36.87	320.82	306.69	14.13	22.706			
3,200.00	3,200.00	3,140.96	3,136.56	7.25	7.34	171.944	-328.56	46.50	337.17	322.74	14.43	23.367			
3,300.00	3,300.00	3,230.00	3,223.53	7.37	7.50	170.439	-343.92	57.93	356.28	341.58	14.70	24.240			
3,400.00	3,400.00	3,327.35	3,318.28	7.50	7.69	168.838	-361.71	71.37	376.85	361.84	15.02	25.097			
3,500.00	3,500.00	3,424.69	3,413.03	7.63	7.91	167.403	-379.50	84.81	397.68	382.31	15.37	25.877			
3,600.00	3,599.98	3,522.25	3,508.00	7.80	8.15	76.551	-397.33	98.28	418.33	402.60	15.73	26.591			
3,700.00	3,699.84	3,620.16	3,603.31	7.98	8.41	75.646	-415.22	111.80	438.27	422.16	16.10	27.214			
3,800.00	3,799.45	3,718.31	3,698.86	8.16	8.68	75.234	-433.16	125.35	457.37	440.87	16.50	27.720			
3,900.00	3,898.70	3,816.58	3,794.51	8.36	8.96	75.256	-451.12	138.92	475.61	458.70	16.91	28.119			
4,000.00	3,997.47	3,914.85	3,890.17	8.59	9.26	75.663	-469.08	152.48	493.03	475.69	17.35	28.423			
4,100.00	4,095.62	4,013.00	3,985.70	8.83	9.57	76.416	-487.01	166.03	509.73	491.94	17.79	28.650			
4,200.00	4,193.08	4,110.91	4,081.02	9.02	9.89	77.549	-504.91	179.55	525.88	507.67	18.21	28.885			
4,300.00	4,290.34	4,208.75	4,176.25	9.26	10.23	78.931	-522.79	193.06	542.13	523.46	18.67	29.035			
4,400.00	4,387.59	4,306.58	4,271.48	9.50	10.57	80.233	-540.66	206.57	558.68	539.54	19.14	29.189			
4,500.00	4,484.84	4,404.41	4,366.72	9.77	10.92	81.461	-558.54	220.08	575.49	555.88	19.61	29.341			
4,600.00	4,582.09	4,502.25	4,461.95	10.05	11.28	82.620	-576.42	233.58	592.55	572.46	20.09	29.493			
4,700.00	4,679.34	4,600.08	4,557.19	10.35	11.65	83.714	-594.30	247.09	609.84	589.27	20.57	29.643			
4,800.00	4,776.59	4,697.92	4,652.42	10.66	12.02	84.748	-612.18	260.60	627.33	606.28	21.06	29.791			
4,900.00	4,873.84	4,795.75	4,747.65	10.99	12.40	85.727	-630.06	274.11	645.02	623.47	21.55	29.936			
5,000.00	4,971.09	4,893.59	4,842.89	11.32	12.79	86.654	-647.94	287.62	662.87	640.84	22.04	30.080			

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,068.34	4,991.42	4,938.12	11.67	13.19	87.532	-665.82	301.12	680.89	658.36	22.53	30.220		
5,200.00	5,165.59	5,089.26	5,033.35	12.03	13.58	88.366	-683.70	314.63	699.06	676.03	23.03	30.358		
5,300.00	5,262.84	5,187.09	5,128.59	12.39	13.99	89.157	-701.58	328.14	717.36	693.83	23.53	30.492		
5,400.00	5,360.09	5,284.93	5,223.82	12.77	14.39	89.909	-719.45	341.65	735.79	711.76	24.03	30.622		
5,500.00	5,457.34	5,382.76	5,319.06	13.15	14.81	90.625	-737.33	355.15	754.34	729.81	24.53	30.748		
5,600.00	5,554.59	5,480.59	5,414.29	13.54	15.22	91.307	-755.21	368.66	773.00	747.96	25.04	30.871		
5,700.00	5,651.84	5,578.43	5,509.52	13.93	15.64	91.956	-773.09	382.17	791.76	766.21	25.55	30.989		
5,800.00	5,749.09	5,676.26	5,604.76	14.33	16.06	92.576	-790.97	395.68	810.61	784.55	26.06	31.104		
5,900.00	5,846.35	5,774.10	5,699.99	14.74	16.48	93.168	-808.85	409.19	829.55	802.97	26.58	31.214		
6,000.00	5,943.60	5,871.93	5,795.23	15.15	16.91	93.733	-826.73	422.69	848.57	821.48	27.09	31.320		
6,100.00	6,040.85	5,969.77	5,890.46	15.57	17.34	94.274	-844.61	436.20	867.67	840.06	27.61	31.422		
6,200.00	6,138.10	6,067.60	5,985.69	15.99	17.77	94.791	-862.49	449.71	886.84	858.71	28.14	31.520		
6,300.00	6,235.35	6,165.44	6,080.93	16.41	18.21	95.287	-880.37	463.22	906.08	877.42	28.66	31.613		
6,400.00	6,332.60	6,263.27	6,176.16	16.84	18.64	95.762	-898.24	476.72	925.39	896.20	29.19	31.703		
6,500.00	6,429.85	6,361.11	6,271.39	17.27	19.08	96.218	-916.12	490.23	944.75	915.03	29.72	31.790		
6,600.00	6,527.10	6,458.94	6,366.63	17.70	19.52	96.656	-934.00	503.74	964.16	933.91	30.25	31.872		
6,700.00	6,624.35	6,556.77	6,461.86	18.14	19.96	97.076	-951.88	517.25	983.63	952.84	30.79	31.943		
6,800.00	6,721.92	6,654.73	6,557.21	18.59	20.41	97.753	-969.78	530.77	1,002.96	971.64	31.32	32.020		
6,900.00	6,820.20	6,752.91	6,652.78	19.03	20.85	98.247	-987.72	544.33	1,021.85	989.99	31.86	32.077		
7,000.00	6,919.06	6,851.18	6,748.44	19.46	21.30	98.532	-1,005.68	557.90	1,040.25	1,007.86	32.39	32.119		
7,100.00	7,018.38	6,949.44	6,844.09	19.87	21.75	98.620	-1,023.64	571.46	1,058.15	1,025.23	32.92	32.147		
7,200.00	7,118.05	7,047.56	6,939.60	20.25	22.20	98.523	-1,041.57	585.01	1,075.58	1,042.13	33.44	32.161		
7,300.00	7,217.94	7,145.42	7,034.86	20.58	22.65	98.250	-1,059.46	598.52	1,092.59	1,058.62	33.97	32.163		
7,400.00	7,317.93	7,242.91	7,129.76	20.72	23.10	-172.861	-1,077.27	611.98	1,109.28	1,074.80	34.48	32.172		
7,500.00	7,417.93	7,355.13	7,239.10	20.78	23.62	-173.768	-1,097.42	627.20	1,125.78	1,090.69	35.09	32.082		
7,600.00	7,517.93	7,493.94	7,375.42	20.82	24.27	-174.673	-1,118.21	642.91	1,139.66	1,103.91	35.76	31.873		
7,700.00	7,617.93	7,635.01	7,515.10	20.87	24.88	-175.337	-1,133.93	654.78	1,150.08	1,113.74	36.33	31.654		
7,800.00	7,717.93	7,777.72	7,657.21	20.92	25.44	-175.763	-1,144.22	662.56	1,156.86	1,120.05	36.81	31.428		
7,900.00	7,817.93	7,921.36	7,800.72	20.97	25.88	-175.953	-1,148.86	666.07	1,159.91	1,122.78	37.13	31.235		
8,000.00	7,917.93	8,022.95	7,902.21	21.01	26.06	-176.104	-1,149.62	669.09	1,160.45	1,123.14	37.31	31.104		
8,100.00	8,017.93	8,100.00	7,978.13	21.06	26.30	-176.733	-1,151.81	681.71	1,162.34	1,124.72	37.61	30.901		
8,200.00	8,117.93	8,178.79	8,053.27	21.11	26.59	-177.882	-1,155.82	704.88	1,166.29	1,128.25	38.05	30.655		
8,300.00	8,217.93	8,250.00	8,117.83	21.16	26.86	-179.335	-1,160.93	734.37	1,173.06	1,134.48	38.58	30.406		
8,400.00	8,317.93	8,300.00	8,160.71	21.21	27.06	179.426	-1,165.32	759.68	1,183.46	1,144.34	39.11	30.256		
8,500.00	8,417.93	8,360.86	8,209.62	21.26	27.30	177.700	-1,171.49	795.31	1,198.12	1,158.35	39.77	30.123		
8,600.00	8,517.93	8,400.00	8,238.94	21.31	27.45	176.476	-1,175.92	820.85	1,217.77	1,177.46	40.31	30.210		
8,700.00	8,617.93	8,450.00	8,273.71	21.35	27.65	174.800	-1,182.05	856.23	1,242.62	1,201.65	40.97	30.332		
8,800.00	8,717.93	8,481.22	8,293.78	21.40	27.77	173.699	-1,186.13	879.79	1,272.92	1,231.48	41.44	30.720		
8,900.00	8,817.91	8,500.00	8,305.21	21.48	27.84	81.948	-1,188.68	894.47	1,308.65	1,266.93	41.71	31.373		
9,000.00	8,916.79	8,550.00	8,333.21	21.94	28.03	76.201	-1,195.74	935.27	1,347.34	1,305.02	42.32	31.837		
9,100.00	9,011.73	8,575.61	8,346.12	22.47	28.13	71.408	-1,199.52	957.05	1,386.87	1,344.30	42.56	32.583		
9,200.00	9,099.84	8,600.00	8,357.50	23.01	28.22	66.962	-1,203.20	978.32	1,425.62	1,382.86	42.75	33.344		
9,300.00	9,178.45	8,650.00	8,377.88	23.52	28.41	62.688	-1,210.99	1,023.28	1,461.80	1,418.44	43.36	33.713		
9,400.00	9,245.16	8,681.62	8,388.69	23.97	28.54	59.376	-1,216.07	1,052.56	1,494.38	1,450.65	43.74	34.168		
9,500.00	9,297.95	8,718.31	8,399.15	24.35	28.69	56.719	-1,222.07	1,087.21	1,522.32	1,478.04	44.28	34.380		
9,600.00	9,335.22	8,750.00	8,406.36	24.62	28.82	54.764	-1,227.34	1,117.61	1,544.84	1,499.99	44.85	34.446		
9,700.00	9,355.84	8,800.00	8,414.24	24.78	29.03	53.529	-1,235.76	1,166.24	1,561.38	1,515.50	45.88	34.031		
9,800.00	9,360.00	8,829.56	8,416.86	24.83	29.16	53.077	-1,240.79	1,195.25	1,572.02	1,525.36	46.65	33.697		
9,900.00	9,360.00	8,871.24	8,418.00	24.86	29.36	53.269	-1,247.90	1,236.29	1,584.17	1,536.45	47.72	33.194		
10,000.00	9,360.00	9,050.62	8,418.00	24.94	30.55	53.814	-1,272.63	1,413.93	1,595.55	1,543.97	51.57	30.937		
10,021.25	9,360.00	9,089.12	8,418.00	25.05	30.87	53.898	-1,276.48	1,452.23	1,597.32	1,544.90	52.42	30.470		
10,100.00	9,360.00	9,232.52	8,418.00	26.19	32.33	54.114	-1,286.30	1,595.28	1,601.88	1,546.25	55.63	28.794		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,123.32	9,360.00	9,275.15	8,418.00	26.59	32.83	54.149	-1,287.84	1,637.89	1,602.62	1,546.02	56.60	28.315		
10,200.00	9,360.00	9,392.91	8,418.00	27.89	34.30	54.179	-1,288.92	1,755.64	1,603.25	1,543.91	59.34	27.016		
10,223.32	9,360.00	9,416.23	8,418.00	28.29	34.61	54.179	-1,288.85	1,778.96	1,603.25	1,543.29	59.96	26.738		
10,300.00	9,360.00	9,492.91	8,418.00	29.64	35.67	54.179	-1,288.62	1,855.64	1,603.25	1,541.25	62.00	25.857		
10,323.32	9,360.00	9,516.23	8,418.00	30.05	36.01	54.179	-1,288.55	1,878.96	1,603.25	1,540.61	62.64	25.595		
10,400.00	9,360.00	9,592.91	8,418.00	31.43	37.13	54.179	-1,288.32	1,955.64	1,603.25	1,538.51	64.74	24.764		
10,423.32	9,360.00	9,616.23	8,418.00	31.85	37.48	54.179	-1,288.25	1,978.96	1,603.25	1,537.86	65.39	24.517		
10,500.00	9,360.00	9,692.91	8,418.00	33.25	38.66	54.179	-1,288.02	2,055.64	1,603.25	1,535.71	67.55	23.736		
10,523.32	9,360.00	9,716.23	8,418.00	33.68	39.03	54.179	-1,287.96	2,078.96	1,603.25	1,535.04	68.21	23.504		
10,600.00	9,360.00	9,792.91	8,418.00	35.10	40.25	54.179	-1,287.73	2,155.64	1,603.25	1,532.84	70.41	22.771		
10,623.32	9,360.00	9,816.23	8,418.00	35.54	40.63	54.179	-1,287.66	2,178.96	1,603.25	1,532.17	71.09	22.553		
10,700.00	9,360.00	9,892.91	8,418.00	36.98	41.89	54.179	-1,287.43	2,255.64	1,603.25	1,529.93	73.32	21.865		
10,723.32	9,360.00	9,916.23	8,418.00	37.42	42.28	54.179	-1,287.36	2,278.95	1,603.25	1,529.24	74.01	21.661		
10,800.00	9,360.00	9,992.91	8,418.00	38.87	43.57	54.179	-1,287.13	2,355.64	1,603.25	1,526.96	76.29	21.016		
10,823.32	9,360.00	10,016.23	8,418.00	39.32	43.97	54.179	-1,287.06	2,378.95	1,603.25	1,526.27	76.99	20.825		
10,900.00	9,360.00	10,092.91	8,418.00	40.78	45.29	54.179	-1,286.83	2,455.64	1,603.25	1,523.96	79.29	20.220		
10,923.32	9,360.00	10,116.23	8,418.00	41.23	45.69	54.179	-1,286.76	2,478.95	1,603.25	1,523.25	80.00	20.041		
11,000.00	9,360.00	10,192.91	8,418.00	42.71	47.04	54.179	-1,286.53	2,555.64	1,603.25	1,520.92	82.33	19.473		
11,023.32	9,360.00	10,216.23	8,418.00	43.16	47.45	54.179	-1,286.46	2,578.95	1,603.25	1,520.21	83.05	19.305		
11,100.00	9,360.00	10,292.91	8,418.00	44.65	48.81	54.179	-1,286.24	2,655.64	1,603.25	1,517.85	85.40	18.772		
11,123.32	9,360.00	10,316.23	8,418.00	45.10	49.23	54.179	-1,286.17	2,678.95	1,603.25	1,517.13	86.13	18.615		
11,200.00	9,360.00	10,392.91	8,418.00	46.60	50.61	54.179	-1,285.94	2,755.64	1,603.25	1,514.75	88.51	18.114		
11,223.32	9,360.00	10,416.23	8,418.00	47.06	51.04	54.179	-1,285.87	2,778.95	1,603.25	1,514.02	89.24	17.967		
11,300.00	9,360.00	10,492.91	8,418.00	48.56	52.44	54.179	-1,285.64	2,855.63	1,603.25	1,511.62	91.64	17.496		
11,323.32	9,360.00	10,516.23	8,418.00	49.02	52.86	54.179	-1,285.57	2,878.95	1,603.25	1,510.88	92.37	17.357		
11,400.00	9,360.00	10,592.91	8,418.00	50.53	54.28	54.179	-1,285.34	2,955.63	1,603.25	1,508.46	94.79	16.914		
11,423.32	9,360.00	10,616.23	8,418.00	50.99	54.71	54.179	-1,285.27	2,978.95	1,603.25	1,507.73	95.53	16.783		
11,500.00	9,360.00	10,692.91	8,418.00	52.50	56.13	54.179	-1,285.04	3,055.63	1,603.25	1,505.29	97.96	16.366		
11,523.32	9,360.00	10,716.23	8,418.00	52.97	56.57	54.179	-1,284.97	3,078.95	1,603.25	1,504.55	98.71	16.243		
11,600.00	9,360.00	10,792.91	8,418.00	54.49	58.00	54.179	-1,284.74	3,155.63	1,603.25	1,502.10	101.15	15.849		
11,623.32	9,360.00	10,816.23	8,418.00	54.95	58.44	54.179	-1,284.68	3,178.95	1,603.25	1,501.35	101.90	15.733		
11,700.00	9,360.00	10,892.91	8,418.00	56.48	59.89	54.179	-1,284.45	3,255.63	1,603.25	1,498.89	104.37	15.362		
11,723.32	9,360.00	10,916.23	8,418.00	56.94	60.33	54.179	-1,284.38	3,278.95	1,603.25	1,498.14	105.12	15.252		
11,800.00	9,360.00	10,992.91	8,418.00	58.47	61.79	54.179	-1,284.15	3,355.63	1,603.25	1,495.66	107.59	14.901		
11,823.32	9,360.00	11,016.23	8,418.00	58.94	62.23	54.179	-1,284.08	3,378.95	1,603.25	1,494.90	108.35	14.797		
11,900.00	9,360.00	11,092.91	8,418.00	60.47	63.69	54.179	-1,283.85	3,455.63	1,603.25	1,492.42	110.83	14.465		
11,923.32	9,360.00	11,116.23	8,418.00	60.94	64.14	54.179	-1,283.78	3,478.95	1,603.25	1,491.66	111.59	14.367		
12,000.00	9,360.00	11,192.91	8,418.00	62.48	65.61	54.179	-1,283.55	3,555.63	1,603.25	1,489.16	114.09	14.053		
12,023.32	9,360.00	11,216.23	8,418.00	62.95	66.06	54.179	-1,283.48	3,578.95	1,603.25	1,488.40	114.85	13.959		
12,100.00	9,360.00	11,292.91	8,418.00	64.49	67.54	54.179	-1,283.25	3,655.63	1,603.25	1,485.90	117.36	13.661		
12,123.32	9,360.00	11,316.23	8,418.00	64.96	67.99	54.179	-1,283.18	3,678.95	1,603.25	1,485.13	118.12	13.573		
12,200.00	9,360.00	11,392.91	8,418.00	66.50	69.47	54.179	-1,282.96	3,755.63	1,603.25	1,482.62	120.64	13.290		
12,223.32	9,360.00	11,416.23	8,418.00	66.97	69.92	54.179	-1,282.89	3,778.95	1,603.25	1,481.85	121.40	13.206		
12,300.00	9,360.00	11,492.91	8,418.00	68.52	71.41	54.179	-1,282.66	3,855.63	1,603.25	1,479.33	123.93	12.937		
12,323.32	9,360.00	11,516.23	8,418.00	68.99	71.87	54.179	-1,282.59	3,878.95	1,603.25	1,478.56	124.69	12.857		
12,400.00	9,360.00	11,592.91	8,418.00	70.54	73.36	54.179	-1,282.36	3,955.63	1,603.25	1,476.03	127.23	12.602		
12,423.32	9,360.00	11,616.23	8,418.00	71.01	73.82	54.179	-1,282.29	3,978.95	1,603.25	1,475.26	128.00	12.526		
12,500.00	9,360.00	11,692.91	8,418.00	72.56	75.32	54.179	-1,282.06	4,055.63	1,603.25	1,472.72	130.53	12.282		
12,523.32	9,360.00	11,716.23	8,418.00	73.03	75.77	54.179	-1,281.99	4,078.95	1,603.25	1,471.95	131.31	12.210		
12,600.00	9,360.00	11,792.91	8,418.00	74.58	77.28	54.179	-1,281.76	4,155.63	1,603.25	1,469.40	133.85	11.978		
12,623.32	9,360.00	11,816.23	8,418.00	75.06	77.74	54.179	-1,281.69	4,178.95	1,603.25	1,468.63	134.62	11.909		
12,700.00	9,360.00	11,892.91	8,418.00	76.61	79.24	54.179	-1,281.46	4,255.63	1,603.25	1,466.08	137.17	11.688		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,723.32	9,360.00	11,916.23	8,418.00	77.08	79.70	54.179	-1,281.40	4,278.95	1,603.25	1,465.30	137.95	11.622		
12,800.00	9,360.00	11,992.91	8,418.00	78.64	81.22	54.179	-1,281.17	4,355.63	1,603.25	1,462.75	140.50	11.411		
12,823.32	9,360.00	12,016.23	8,418.00	79.11	81.68	54.179	-1,281.10	4,378.95	1,603.25	1,461.97	141.28	11.348		
12,900.00	9,360.00	12,092.91	8,418.00	80.67	83.19	54.179	-1,280.87	4,455.63	1,603.25	1,459.41	143.84	11.146		
12,923.32	9,360.00	12,116.23	8,418.00	81.15	83.65	54.179	-1,280.80	4,478.95	1,603.25	1,458.63	144.62	11.086		
13,000.00	9,360.00	12,192.91	8,418.00	82.71	85.17	54.179	-1,280.57	4,555.63	1,603.25	1,456.07	147.19	10.893		
13,023.32	9,360.00	12,216.23	8,418.00	83.18	85.64	54.179	-1,280.50	4,578.94	1,603.25	1,455.29	147.97	10.835		
13,100.00	9,360.00	12,292.91	8,418.00	84.74	87.16	54.179	-1,280.27	4,655.63	1,603.25	1,452.72	150.54	10.650		
13,123.32	9,360.00	12,316.23	8,418.00	85.22	87.62	54.179	-1,280.20	4,678.94	1,603.25	1,451.93	151.32	10.595		
13,200.00	9,360.00	12,392.91	8,418.00	86.78	89.15	54.179	-1,279.97	4,755.63	1,603.25	1,449.36	153.89	10.418		
13,223.32	9,360.00	12,416.23	8,418.00	87.25	89.61	54.179	-1,279.90	4,778.94	1,603.25	1,448.58	154.68	10.365		
13,300.00	9,360.00	12,492.91	8,418.00	88.82	91.14	54.179	-1,279.68	4,855.63	1,603.25	1,446.00	157.25	10.195		
13,323.32	9,360.00	12,516.23	8,418.00	89.29	91.60	54.179	-1,279.61	4,878.94	1,603.25	1,445.22	158.04	10.145		
13,400.00	9,360.00	12,592.91	8,418.00	90.86	93.13	54.179	-1,279.38	4,955.63	1,603.25	1,442.64	160.62	9.982		
13,423.32	9,360.00	12,616.23	8,418.00	91.33	93.60	54.179	-1,279.31	4,978.94	1,603.25	1,441.85	161.40	9.933		
13,500.00	9,360.00	12,692.91	8,418.00	92.90	95.13	54.179	-1,279.08	5,055.63	1,603.25	1,439.27	163.99	9.777		
13,523.32	9,360.00	12,716.23	8,418.00	93.37	95.60	54.179	-1,279.01	5,078.94	1,603.25	1,438.48	164.77	9.730		
13,600.00	9,360.00	12,792.91	8,418.00	94.94	97.13	54.179	-1,278.78	5,155.62	1,603.25	1,435.89	167.36	9.580		
13,623.32	9,360.00	12,816.23	8,418.00	95.41	97.60	54.179	-1,278.71	5,178.94	1,603.25	1,435.10	168.15	9.535		
13,700.00	9,360.00	12,892.91	8,418.00	96.98	99.14	54.179	-1,278.48	5,255.62	1,603.25	1,432.51	170.74	9.390		
13,723.32	9,360.00	12,916.23	8,418.00	97.46	99.61	54.179	-1,278.41	5,278.94	1,603.25	1,431.73	171.53	9.347		
13,800.00	9,360.00	12,992.91	8,418.00	99.03	101.14	54.179	-1,278.18	5,355.62	1,603.25	1,429.13	174.12	9.208		
13,823.32	9,360.00	13,016.23	8,418.00	99.50	101.61	54.179	-1,278.12	5,378.94	1,603.25	1,428.34	174.91	9.166		
13,900.00	9,360.00	13,092.91	8,418.00	101.07	103.15	54.179	-1,277.89	5,455.62	1,603.25	1,425.75	177.51	9.032		
13,923.32	9,360.00	13,116.23	8,418.00	101.55	103.62	54.179	-1,277.82	5,478.94	1,603.25	1,424.96	178.30	8.992		
14,000.00	9,360.00	13,192.91	8,418.00	103.12	105.17	54.179	-1,277.59	5,555.62	1,603.25	1,422.36	180.89	8.863		
14,023.32	9,360.00	13,216.23	8,418.00	103.60	105.64	54.179	-1,277.52	5,578.94	1,603.25	1,421.57	181.68	8.824		
14,100.00	9,360.00	13,292.91	8,418.00	105.17	107.18	54.179	-1,277.29	5,655.62	1,603.25	1,418.97	184.29	8.700		
14,123.32	9,360.00	13,316.23	8,418.00	105.64	107.65	54.179	-1,277.22	5,678.94	1,603.25	1,418.18	185.08	8.663		
14,200.00	9,360.00	13,392.91	8,418.00	107.21	109.19	54.179	-1,276.99	5,755.62	1,603.25	1,415.57	187.68	8.542		
14,223.32	9,360.00	13,416.23	8,418.00	107.69	109.67	54.179	-1,276.92	5,778.94	1,603.25	1,414.78	188.47	8.507		
14,300.00	9,360.00	13,492.91	8,418.00	109.26	111.21	54.179	-1,276.69	5,855.62	1,603.25	1,412.18	191.08	8.391		
14,323.32	9,360.00	13,516.23	8,418.00	109.74	111.68	54.179	-1,276.62	5,878.94	1,603.25	1,411.38	191.87	8.356		
14,400.00	9,360.00	13,592.91	8,418.00	111.31	113.23	54.179	-1,276.40	5,955.62	1,603.25	1,408.78	194.48	8.244		
14,423.32	9,360.00	13,616.23	8,418.00	111.79	113.70	54.179	-1,276.33	5,978.94	1,603.25	1,407.98	195.27	8.210		
14,500.00	9,360.00	13,692.91	8,418.00	113.36	115.25	54.179	-1,276.10	6,055.62	1,603.25	1,405.37	197.88	8.102		
14,523.32	9,360.00	13,716.23	8,418.00	113.84	115.72	54.179	-1,276.03	6,078.94	1,603.25	1,404.58	198.67	8.070		
14,600.00	9,360.00	13,792.91	8,418.00	115.42	117.28	54.179	-1,275.80	6,155.62	1,603.25	1,401.97	201.29	7.965		
14,623.32	9,360.00	13,816.23	8,418.00	115.89	117.75	54.179	-1,275.73	6,178.94	1,603.25	1,401.17	202.08	7.934		
14,700.00	9,360.00	13,892.91	8,418.00	117.47	119.30	54.179	-1,275.50	6,255.62	1,603.25	1,398.56	204.69	7.833		
14,723.32	9,360.00	13,916.23	8,418.00	117.95	119.77	54.179	-1,275.43	6,278.94	1,603.25	1,397.77	205.49	7.802		
14,800.00	9,360.00	13,992.91	8,418.00	119.52	121.33	54.179	-1,275.20	6,355.62	1,603.25	1,395.15	208.10	7.704		
14,823.32	9,360.00	14,016.23	8,418.00	120.00	121.80	54.179	-1,275.13	6,378.94	1,603.25	1,394.36	208.90	7.675		
14,900.00	9,360.00	14,092.91	8,418.00	121.57	123.35	54.179	-1,274.90	6,455.62	1,603.25	1,391.74	211.51	7.580		
14,923.32	9,360.00	14,116.23	8,418.00	122.05	123.83	54.179	-1,274.84	6,478.94	1,603.25	1,390.94	212.31	7.552		
15,000.00	9,360.00	14,192.91	8,418.00	123.63	125.38	54.179	-1,274.61	6,555.62	1,603.25	1,388.33	214.93	7.460		
15,023.32	9,360.00	14,216.23	8,418.00	124.11	125.86	54.179	-1,274.54	6,578.94	1,603.25	1,387.53	215.72	7.432		
15,100.00	9,360.00	14,292.91	8,418.00	125.68	127.41	54.179	-1,274.31	6,655.62	1,603.25	1,384.91	218.34	7.343		
15,123.32	9,360.00	14,316.23	8,418.00	126.16	127.89	54.179	-1,274.24	6,678.94	1,603.25	1,384.11	219.14	7.316		
15,200.00	9,360.00	14,392.91	8,418.00	127.74	129.44	54.179	-1,274.01	6,755.62	1,603.25	1,381.49	221.76	7.230		
15,223.32	9,360.00	14,416.23	8,418.00	128.22	129.92	54.179	-1,273.94	6,778.93	1,603.25	1,380.70	222.56	7.204		
15,300.00	9,360.00	14,492.91	8,418.00	129.79	131.48	54.179	-1,273.71	6,855.62	1,603.25	1,378.08	225.18	7.120		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,323.32	9,360.00	14,516.23	8,418.00	130.27	131.95	54.179	-1,273.64	6,878.93	1,603.25	1,377.28	225.98	7.095		
15,400.00	9,360.00	14,592.91	8,418.00	131.85	133.51	54.179	-1,273.41	6,955.62	1,603.25	1,374.65	228.60	7.013		
15,423.32	9,360.00	14,616.23	8,418.00	132.33	133.98	54.179	-1,273.34	6,978.93	1,603.25	1,373.86	229.40	6.989		
15,500.00	9,360.00	14,692.91	8,418.00	133.90	135.54	54.179	-1,273.12	7,055.62	1,603.25	1,371.23	232.02	6.910		
15,523.32	9,360.00	14,716.23	8,418.00	134.38	136.02	54.179	-1,273.05	7,078.93	1,603.25	1,370.43	232.82	6.886		
15,600.00	9,360.00	14,792.91	8,418.00	135.96	137.58	54.179	-1,272.82	7,155.62	1,603.25	1,367.81	235.44	6.809		
15,623.32	9,360.00	14,816.23	8,418.00	136.44	138.05	54.179	-1,272.75	7,178.93	1,603.25	1,367.01	236.24	6.786		
15,700.00	9,360.00	14,892.91	8,418.00	138.02	139.62	54.179	-1,272.52	7,255.62	1,603.25	1,364.38	238.87	6.712		
15,723.32	9,360.00	14,916.23	8,418.00	138.50	140.09	54.179	-1,272.45	7,278.93	1,603.25	1,363.59	239.67	6.689		
15,800.00	9,360.00	14,992.91	8,418.00	140.07	141.65	54.179	-1,272.22	7,355.61	1,603.25	1,360.96	242.30	6.617		
15,823.32	9,360.00	15,016.23	8,418.00	140.55	142.13	54.179	-1,272.15	7,378.93	1,603.25	1,360.16	243.10	6.595		
15,900.00	9,360.00	15,092.91	8,418.00	142.13	143.69	54.179	-1,271.92	7,455.61	1,603.25	1,357.53	245.72	6.525		
15,923.32	9,360.00	15,116.23	8,418.00	142.61	144.17	54.179	-1,271.85	7,478.93	1,603.25	1,356.73	246.52	6.503		
16,000.00	9,360.00	15,192.91	8,418.00	144.19	145.73	54.179	-1,271.62	7,555.61	1,603.25	1,354.10	249.15	6.435		
16,023.32	9,360.00	15,216.23	8,418.00	144.67	146.21	54.179	-1,271.56	7,578.93	1,603.25	1,353.30	249.95	6.414		
16,100.00	9,360.00	15,292.91	8,418.00	146.25	147.77	54.179	-1,271.33	7,655.61	1,603.25	1,350.67	252.58	6.347		
16,123.32	9,360.00	15,316.23	8,418.00	146.73	148.25	54.179	-1,271.26	7,678.93	1,603.25	1,349.87	253.38	6.327		
16,200.00	9,360.00	15,392.91	8,418.00	148.31	149.81	54.179	-1,271.03	7,755.61	1,603.25	1,347.24	256.01	6.262		
16,223.32	9,360.00	15,416.23	8,418.00	148.79	150.29	54.179	-1,270.96	7,778.93	1,603.25	1,346.44	256.81	6.243		
16,300.00	9,360.00	15,492.91	8,418.00	150.37	151.85	54.179	-1,270.73	7,855.61	1,603.25	1,343.81	259.45	6.180		
16,323.32	9,360.00	15,516.23	8,418.00	150.85	152.33	54.179	-1,270.66	7,878.93	1,603.25	1,343.01	260.25	6.160		
16,400.00	9,360.00	15,592.91	8,418.00	152.42	153.90	54.179	-1,270.43	7,955.61	1,603.25	1,340.37	262.88	6.099		
16,423.32	9,360.00	15,616.23	8,418.00	152.90	154.37	54.179	-1,270.36	7,978.93	1,603.25	1,339.57	263.68	6.080		
16,500.00	9,360.00	15,692.91	8,418.00	154.48	155.94	54.179	-1,270.13	8,055.61	1,603.25	1,336.94	266.32	6.020		
16,523.32	9,360.00	15,716.23	8,418.00	154.96	156.42	54.179	-1,270.06	8,078.93	1,603.25	1,336.14	267.12	6.002		
16,600.00	9,360.00	15,792.91	8,418.00	156.54	157.98	54.179	-1,269.84	8,155.61	1,603.25	1,333.50	269.75	5.943		
16,623.32	9,360.00	15,816.23	8,418.00	157.02	158.46	54.179	-1,269.77	8,178.93	1,603.25	1,332.70	270.55	5.926		
16,700.00	9,360.00	15,892.91	8,418.00	158.60	160.03	54.179	-1,269.54	8,255.61	1,603.25	1,330.07	273.19	5.869		
16,723.32	9,360.00	15,916.23	8,418.00	159.08	160.50	54.179	-1,269.47	8,278.93	1,603.25	1,329.27	273.99	5.852		
16,800.00	9,360.00	15,992.91	8,418.00	160.66	162.07	54.179	-1,269.24	8,355.61	1,603.25	1,326.63	276.62	5.796		
16,823.32	9,360.00	16,016.23	8,418.00	161.14	162.55	54.179	-1,269.17	8,378.93	1,603.25	1,325.83	277.43	5.779		
16,900.00	9,360.00	16,092.91	8,418.00	162.73	164.12	54.179	-1,268.94	8,455.61	1,603.25	1,323.19	280.06	5.725		
16,923.32	9,360.00	16,116.23	8,418.00	163.21	164.60	54.179	-1,268.87	8,478.93	1,603.25	1,322.39	280.86	5.708		
17,000.00	9,360.00	16,192.91	8,418.00	164.79	166.16	54.179	-1,268.64	8,555.61	1,603.25	1,319.75	283.50	5.655		
17,023.32	9,360.00	16,216.23	8,418.00	165.27	166.64	54.179	-1,268.57	8,578.93	1,603.25	1,318.95	284.30	5.639		
17,100.00	9,360.00	16,292.91	8,418.00	166.85	168.21	54.179	-1,268.34	8,655.61	1,603.25	1,316.31	286.94	5.587		
17,123.32	9,360.00	16,316.23	8,418.00	167.33	168.69	54.179	-1,268.28	8,678.93	1,603.25	1,315.51	287.74	5.572		
17,200.00	9,360.00	16,392.91	8,418.00	168.91	170.26	54.179	-1,268.05	8,755.61	1,603.25	1,312.87	290.38	5.521		
17,223.32	9,360.00	16,416.23	8,418.00	169.39	170.74	54.179	-1,267.98	8,778.93	1,603.25	1,312.07	291.19	5.506		
17,300.00	9,360.00	16,492.91	8,418.00	170.97	172.31	54.179	-1,267.75	8,855.61	1,603.25	1,309.43	293.82	5.456		
17,323.32	9,360.00	16,516.23	8,418.00	171.45	172.78	54.179	-1,267.68	8,878.93	1,603.25	1,308.63	294.63	5.442		
17,400.00	9,360.00	16,592.91	8,418.00	173.03	174.36	54.179	-1,267.45	8,955.61	1,603.25	1,305.99	297.27	5.393		
17,423.32	9,360.00	16,616.23	8,418.00	173.51	174.83	54.179	-1,267.38	8,978.93	1,603.25	1,305.18	298.07	5.379		
17,500.00	9,360.00	16,692.91	8,418.00	175.09	176.40	54.179	-1,267.15	9,055.61	1,603.25	1,302.54	300.71	5.332		
17,523.32	9,360.00	16,716.23	8,418.00	175.57	176.88	54.179	-1,267.08	9,078.92	1,603.25	1,301.74	301.51	5.317		
17,600.00	9,360.00	16,792.91	8,418.00	177.16	178.45	54.179	-1,266.85	9,155.61	1,603.25	1,299.10	304.15	5.271		
17,623.32	9,360.00	16,816.23	8,418.00	177.64	178.93	54.179	-1,266.78	9,178.92	1,603.25	1,298.30	304.96	5.257		
17,700.00	9,360.00	16,892.91	8,418.00	179.22	180.50	54.179	-1,266.56	9,255.61	1,603.25	1,295.66	307.60	5.212		
17,723.32	9,360.00	16,916.23	8,418.00	179.70	180.98	54.179	-1,266.49	9,278.92	1,603.25	1,294.85	308.40	5.199		
17,800.00	9,360.00	16,992.91	8,418.00	181.28	182.55	54.179	-1,266.26	9,355.61	1,603.25	1,292.21	311.04	5.154		
17,823.32	9,360.00	17,016.23	8,418.00	181.76	183.03	54.179	-1,266.19	9,378.92	1,603.25	1,291.41	311.85	5.141		
17,900.00	9,360.00	17,092.91	8,418.00	183.34	184.60	54.179	-1,265.96	9,455.61	1,603.25	1,288.76	314.49	5.098		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (03) Bond 33-34 FED COM #106H - #106H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre		Rule Assigned:				
								+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,923.32	9,360.00	17,116.23	8,418.00	183.82	185.08	54.179	-1,265.89	9,478.92	1,603.25	1,287.96	315.29	5.085		
18,000.00	9,360.00	17,192.91	8,418.00	185.41	186.66	54.179	-1,265.66	9,555.61	1,603.25	1,285.32	317.94	5.043		
18,023.32	9,360.00	17,216.23	8,418.00	185.89	187.13	54.179	-1,265.59	9,578.92	1,603.25	1,284.51	318.74	5.030		
18,100.00	9,360.00	17,292.91	8,418.00	187.47	188.71	54.179	-1,265.36	9,655.60	1,603.25	1,281.87	321.38	4.989		
18,123.32	9,360.00	17,316.23	8,418.00	187.95	189.19	54.179	-1,265.29	9,678.92	1,603.25	1,281.07	322.19	4.976		
18,200.00	9,360.00	17,392.91	8,418.00	189.53	190.76	54.179	-1,265.06	9,755.60	1,603.25	1,278.42	324.83	4.936		
18,223.32	9,360.00	17,416.23	8,418.00	190.01	191.24	54.179	-1,265.00	9,778.92	1,603.25	1,277.62	325.63	4.923		
18,300.00	9,360.00	17,492.91	8,418.00	191.59	192.81	54.179	-1,264.77	9,855.60	1,603.25	1,274.98	328.28	4.884		
18,323.32	9,360.00	17,516.23	8,418.00	192.08	193.29	54.179	-1,264.70	9,878.92	1,603.25	1,274.17	329.08	4.872		
18,400.00	9,360.00	17,592.91	8,418.00	193.66	194.86	54.179	-1,264.47	9,955.60	1,603.25	1,271.53	331.73	4.833		
18,423.32	9,360.00	17,616.23	8,418.00	194.14	195.34	54.179	-1,264.40	9,978.92	1,603.25	1,270.72	332.53	4.821		
18,500.00	9,360.00	17,692.91	8,418.00	195.72	196.92	54.179	-1,264.17	10,055.60	1,603.25	1,268.08	335.18	4.783		
18,523.32	9,360.00	17,716.23	8,418.00	196.20	197.40	54.179	-1,264.10	10,078.92	1,603.25	1,267.27	335.98	4.772		
18,600.00	9,360.00	17,792.91	8,418.00	197.78	198.97	54.179	-1,263.87	10,155.60	1,603.25	1,264.63	338.63	4.735		
18,623.32	9,360.00	17,816.23	8,418.00	198.27	199.45	54.179	-1,263.80	10,178.92	1,603.25	1,263.82	339.43	4.723		
18,700.00	9,360.00	17,892.91	8,418.00	199.85	201.02	54.179	-1,263.57	10,255.60	1,603.25	1,261.18	342.08	4.687		
18,723.32	9,360.00	17,916.23	8,418.00	200.33	201.50	54.179	-1,263.50	10,278.92	1,603.25	1,260.37	342.88	4.676		
18,800.00	9,360.00	17,992.91	8,418.00	201.91	203.08	54.179	-1,263.28	10,355.60	1,603.25	1,257.73	345.53	4.640		
18,823.32	9,360.00	18,016.23	8,418.00	202.39	203.56	54.179	-1,263.21	10,378.92	1,603.25	1,256.92	346.33	4.629		
18,900.00	9,360.00	18,092.91	8,418.00	203.98	205.13	54.179	-1,262.98	10,455.60	1,603.25	1,254.28	348.98	4.594		
18,923.32	9,360.00	18,116.23	8,418.00	204.46	205.61	54.179	-1,262.91	10,478.92	1,603.25	1,253.47	349.78	4.584		
19,000.00	9,360.00	18,192.91	8,418.00	206.04	207.19	54.179	-1,262.68	10,555.60	1,603.25	1,250.83	352.43	4.549		
19,023.32	9,360.00	18,216.23	8,418.00	206.52	207.67	54.179	-1,262.61	10,578.92	1,603.25	1,250.02	353.23	4.539		
19,100.00	9,360.00	18,292.91	8,418.00	208.10	209.24	54.179	-1,262.38	10,655.60	1,603.25	1,247.37	355.88	4.505		
19,123.32	9,360.00	18,316.23	8,418.00	208.59	209.72	54.179	-1,262.31	10,678.92	1,603.25	1,246.57	356.69	4.495		
19,200.00	9,360.00	18,392.91	8,418.00	210.17	211.30	54.179	-1,262.08	10,755.60	1,603.25	1,243.92	359.33	4.462		
19,223.32	9,360.00	18,416.23	8,418.00	210.65	211.78	54.179	-1,262.01	10,778.92	1,603.25	1,243.12	360.14	4.452		
19,300.00	9,360.00	18,492.91	8,418.00	212.23	213.35	54.179	-1,261.78	10,855.60	1,603.25	1,240.47	362.79	4.419		
19,323.32	9,360.00	18,516.23	8,418.00	212.71	213.83	54.179	-1,261.72	10,878.92	1,603.25	1,239.66	363.59	4.410		
19,400.00	9,360.00	18,592.91	8,418.00	214.30	215.41	54.179	-1,261.49	10,955.60	1,603.25	1,237.02	366.24	4.378		
19,423.32	9,360.00	18,616.23	8,418.00	214.78	215.89	54.179	-1,261.42	10,978.92	1,603.25	1,236.21	367.04	4.368		
19,500.00	9,360.00	18,692.91	8,418.00	216.36	217.46	54.179	-1,261.19	11,055.60	1,603.25	1,233.56	369.69	4.337		
19,523.32	9,360.00	18,716.23	8,418.00	216.84	217.94	54.179	-1,261.12	11,078.92	1,603.25	1,232.76	370.50	4.327		
19,600.00	9,360.00	18,792.91	8,418.00	218.43	219.52	54.179	-1,260.89	11,155.60	1,603.25	1,230.11	373.15	4.297		
19,623.32	9,360.00	18,816.23	8,418.00	218.91	220.00	54.179	-1,260.82	11,178.92	1,603.25	1,229.30	373.95	4.287		
19,700.00	9,360.00	18,892.91	8,418.00	220.49	221.58	54.179	-1,260.59	11,255.60	1,603.25	1,226.65	376.60	4.257		
19,723.32	9,360.00	18,916.23	8,418.00	220.97	222.06	54.179	-1,260.52	11,278.92	1,603.25	1,225.85	377.41	4.248		
19,800.00	9,360.00	18,992.91	8,418.00	222.56	223.63	54.179	-1,260.29	11,355.60	1,603.25	1,223.20	380.05	4.218		
19,823.32	9,360.00	19,016.23	8,418.00	223.04	224.11	54.179	-1,260.22	11,378.91	1,603.25	1,222.39	380.86	4.210		
19,900.00	9,360.00	19,092.91	8,418.00	224.62	225.69	54.179	-1,260.00	11,455.60	1,603.25	1,219.75	383.51	4.180		
19,923.32	9,360.00	19,116.23	8,418.00	225.10	226.17	54.179	-1,259.93	11,478.91	1,603.25	1,218.94	384.32	4.172		
20,000.00	9,360.00	19,192.91	8,418.00	226.69	227.75	54.179	-1,259.70	11,555.60	1,603.25	1,216.29	386.96	4.143		
20,023.32	9,360.00	19,216.23	8,418.00	227.17	228.23	54.179	-1,259.63	11,578.91	1,603.25	1,215.48	387.77	4.135		
20,100.00	9,360.00	19,292.91	8,418.00	228.75	229.80	54.179	-1,259.40	11,655.60	1,603.25	1,212.83	390.42	4.106		
20,118.99	9,360.00	19,311.91	8,418.00	229.14	230.20	54.179	-1,259.34	11,674.59	1,603.25	1,212.18	391.08	4.100		
20,181.28	9,360.00	19,374.19	8,418.00	230.43	231.48	54.179	-1,259.16	11,736.88	1,603.25	1,210.03	393.23	4.077 SF		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.270	-256.63	39.41	259.66				
100.00	100.00	96.93	96.93	0.79	0.76	171.270	-256.63	39.41	259.64	258.09	1.55	167.816		
200.00	200.00	196.93	196.93	1.45	1.43	171.270	-256.63	39.41	259.64	256.77	2.87	90.407		
300.00	300.00	296.93	296.93	1.89	1.88	171.270	-256.63	39.41	259.64	255.87	3.77	68.876		
400.00	400.00	396.93	396.93	2.25	2.24	171.270	-256.63	39.41	259.64	255.14	4.50	57.746		
500.00	500.00	496.93	496.93	2.57	2.56	171.270	-256.63	39.41	259.64	254.52	5.13	50.655		
600.00	600.00	596.93	596.93	2.85	2.84	171.270	-256.63	39.41	259.64	253.95	5.69	45.627		
700.00	700.00	696.93	696.93	3.11	3.10	171.270	-256.63	39.41	259.64	253.43	6.21	41.821		
800.00	800.00	796.93	796.93	3.35	3.34	171.270	-256.63	39.41	259.64	252.95	6.69	38.809		
900.00	900.00	896.93	896.93	3.58	3.57	171.270	-256.63	39.41	259.64	252.50	7.14	36.347		
1,000.00	1,000.00	996.93	996.93	3.79	3.78	171.270	-256.63	39.41	259.64	252.07	7.57	34.286		
1,100.00	1,100.00	1,096.93	1,096.93	3.99	3.99	171.270	-256.63	39.41	259.64	251.66	7.98	32.526		
1,200.00	1,200.00	1,196.93	1,196.93	4.19	4.18	171.270	-256.63	39.41	259.64	251.27	8.38	31.000		
1,300.00	1,300.00	1,296.93	1,296.93	4.38	4.37	171.270	-256.63	39.41	259.64	250.89	8.75	29.660		
1,400.00	1,400.00	1,396.93	1,396.93	4.56	4.56	171.270	-256.63	39.41	259.64	250.52	9.12	28.471		
1,500.00	1,500.00	1,496.93	1,496.93	4.74	4.73	171.270	-256.63	39.41	259.64	250.17	9.47	27.406		
1,600.00	1,600.00	1,596.93	1,596.93	4.91	4.91	171.270	-256.63	39.41	259.64	249.82	9.82	26.445		
1,700.00	1,700.00	1,696.93	1,696.93	5.08	5.07	171.270	-256.63	39.41	259.64	249.49	10.15	25.572		
1,800.00	1,800.00	1,796.93	1,796.93	5.24	5.24	171.270	-256.63	39.41	259.64	249.16	10.48	24.774		
1,900.00	1,900.00	1,896.93	1,896.93	5.40	5.40	171.270	-256.63	39.41	259.64	248.84	10.80	24.041		
2,000.00	2,000.00	1,996.93	1,996.93	5.56	5.55	171.270	-256.63	39.41	259.64	248.53	11.11	23.365		
2,100.00	2,100.00	2,096.93	2,096.93	5.71	5.71	171.270	-256.63	39.41	259.64	248.22	11.42	22.738		
2,200.00	2,200.00	2,196.93	2,196.93	5.86	5.86	171.270	-256.63	39.41	259.64	247.92	11.72	22.154		
2,300.00	2,300.00	2,296.93	2,296.93	6.01	6.01	171.270	-256.63	39.41	259.64	247.63	12.02	21.609		
2,400.00	2,400.00	2,396.93	2,396.93	6.16	6.15	171.270	-256.63	39.41	259.64	247.34	12.31	21.099		
2,500.00	2,500.00	2,496.93	2,496.93	6.30	6.29	171.270	-256.63	39.41	259.64	247.05	12.59	20.620		
2,600.00	2,600.00	2,597.60	2,597.58	6.44	6.53	170.853	-256.21	41.25	259.51	246.65	12.87	20.171		
2,700.00	2,700.00	2,697.99	2,697.79	6.58	6.77	169.553	-254.90	47.00	259.20	246.07	13.13	19.746		
2,800.00	2,800.00	2,797.75	2,797.06	6.71	7.02	167.385	-252.72	56.56	258.97	245.59	13.39	19.348		
2,808.93	2,808.93	2,806.61	2,805.86	6.73	7.04	167.150	-252.49	57.59	258.97	245.57	13.40	19.323		
2,900.00	2,900.00	2,896.97	2,895.50	6.85	7.18	164.648	-249.97	68.63	259.22	245.59	13.63	19.020		
3,000.00	3,000.00	2,996.18	2,993.92	6.98	7.37	161.906	-247.20	80.77	260.08	246.19	13.89	18.727		
3,100.00	3,100.00	3,095.39	3,092.35	7.12	7.58	159.188	-244.43	92.91	261.53	247.38	14.15	18.483		
3,200.00	3,200.00	3,194.60	3,190.77	7.25	7.81	156.506	-241.66	105.05	263.58	249.16	14.42	18.285		
3,300.00	3,300.00	3,293.81	3,289.20	7.37	8.05	153.870	-238.89	117.19	266.20	251.51	14.69	18.125		
3,400.00	3,400.00	3,393.01	3,387.62	7.50	8.30	151.291	-236.12	129.32	269.38	254.41	14.97	18.000		
3,500.00	3,500.00	3,492.22	3,486.05	7.63	8.57	148.775	-233.35	141.46	273.10	257.85	15.25	17.903		
3,600.00	3,599.98	3,591.63	3,584.67	7.80	8.85	157.190	-230.58	153.63	276.39	260.84	15.56	17.768		
3,700.00	3,699.84	3,691.34	3,683.59	7.98	9.14	155.647	-227.80	165.83	278.09	262.23	15.85	17.543		
3,800.00	3,799.45	3,791.23	3,782.69	8.16	9.45	154.733	-225.01	178.05	277.94	261.79	16.16	17.204		
3,900.00	3,898.70	3,891.19	3,881.86	8.36	9.76	154.435	-222.22	190.28	275.82	259.36	16.46	16.756		
4,000.00	3,997.47	3,991.09	3,980.97	8.59	10.08	154.761	-219.43	202.50	271.68	254.92	16.76	16.208		
4,100.00	4,095.62	4,090.82	4,079.91	8.83	10.41	155.745	-216.65	214.70	265.57	248.51	17.05	15.574		
4,200.00	4,193.08	4,190.25	4,178.56	9.02	10.74	157.387	-213.87	226.87	257.69	240.42	17.27	14.921		
4,300.00	4,290.34	4,289.59	4,277.11	9.26	11.08	159.214	-211.10	239.03	249.52	232.01	17.51	14.247		
4,400.00	4,387.59	4,388.93	4,375.66	9.50	11.42	161.161	-208.33	251.18	241.63	223.88	17.75	13.613		
4,500.00	4,484.84	4,488.26	4,474.21	9.77	11.77	163.236	-205.55	263.34	234.04	216.06	17.98	13.017		
4,600.00	4,582.09	4,587.60	4,572.77	10.05	12.12	165.446	-202.78	275.49	226.77	208.57	18.20	12.459		
4,700.00	4,679.34	4,686.94	4,671.32	10.35	12.48	167.798	-200.01	287.64	219.87	201.45	18.42	11.937		
4,800.00	4,776.59	4,786.28	4,769.87	10.66	12.84	170.296	-197.24	299.80	213.36	194.72	18.64	11.448		
4,900.00	4,873.84	4,885.62	4,868.42	10.99	13.20	172.944	-194.46	311.95	207.28	188.42	18.86	10.991		
5,000.00	4,971.09	4,984.95	4,966.98	11.32	13.57	175.744	-191.69	324.11	201.67	182.58	19.09	10.562		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
5,100.00	5,068.34	5,084.29	5,065.53	11.67	13.94	78.696	-188.92	336.26	196.58	177.22	19.35	10.157		
5,200.00	5,165.59	5,183.63	5,164.08	12.03	14.31	81.794	-186.15	348.42	192.04	172.39	19.65	9.772		
5,300.00	5,262.84	5,282.97	5,262.63	12.39	14.69	85.030	-183.37	360.57	188.09	168.09	20.00	9.404		
5,400.00	5,360.09	5,382.31	5,361.19	12.77	15.07	88.392	-180.60	372.73	184.77	164.35	20.42	9.048		
5,500.00	5,457.34	5,481.64	5,459.74	13.15	15.45	91.863	-177.83	384.88	182.12	161.19	20.93	8.703		
5,600.00	5,554.59	5,580.98	5,558.29	13.54	15.83	95.422	-175.06	397.04	180.16	158.64	21.53	8.369		
5,700.00	5,651.84	5,680.32	5,656.85	13.93	16.22	99.043	-172.28	409.19	178.92	156.69	22.24	8.047		
5,800.00	5,749.09	5,779.66	5,755.40	14.33	16.60	102.700	-169.51	421.35	178.42	155.36	23.05	7.740		
5,818.62	5,767.20	5,798.15	5,773.74	14.41	16.67	103.382	-169.00	423.61	178.40	155.19	23.22	7.684		
5,900.00	5,846.35	5,879.00	5,853.95	14.74	16.99	106.362	-166.74	433.50	178.65	154.67	23.98	7.451		
6,000.00	5,943.60	5,978.33	5,952.50	15.15	17.38	110.000	-163.97	445.66	179.62	154.62	25.00	7.185		
6,100.00	6,040.85	6,077.67	6,051.06	15.57	17.77	113.585	-161.19	457.81	181.31	155.20	26.10	6.945		
6,200.00	6,138.10	6,177.01	6,149.61	15.99	18.16	117.091	-158.42	469.96	183.70	156.42	27.28	6.733		
6,300.00	6,235.35	6,276.35	6,248.16	16.41	18.56	120.496	-155.65	482.12	186.78	158.26	28.51	6.550		
6,400.00	6,332.60	6,375.69	6,346.71	16.84	18.95	123.781	-152.88	494.27	190.50	160.71	29.78	6.396		
6,500.00	6,429.85	6,475.02	6,445.27	17.27	19.35	126.932	-150.10	506.43	194.82	163.75	31.07	6.270		
6,600.00	6,527.10	6,574.36	6,543.82	17.70	19.74	129.938	-147.33	518.58	199.71	167.35	32.37	6.170		
6,700.00	6,624.35	6,673.70	6,642.37	18.14	20.14	132.795	-144.56	530.74	205.13	171.46	33.67	6.093		
6,800.00	6,721.92	6,773.19	6,741.07	18.59	20.54	135.289	-141.78	542.91	210.01	175.12	34.89	6.019		
6,900.00	6,820.20	6,872.95	6,840.04	19.03	20.94	137.020	-139.00	555.12	212.69	176.73	35.96	5.915		
7,000.00	6,919.06	6,972.87	6,939.17	19.46	21.35	138.056	-136.21	567.34	212.95	176.07	36.88	5.775		
7,100.00	7,018.38	7,072.83	7,038.34	19.87	21.75	138.434	-133.42	579.57	210.65	173.01	37.64	5.596		
7,200.00	7,118.05	7,172.70	7,137.42	20.25	22.15	138.146	-130.63	591.79	205.75	167.51	38.23	5.381		
7,300.00	7,217.94	7,272.36	7,236.30	20.58	22.56	137.136	-127.85	603.99	198.27	159.66	38.61	5.135		
7,400.00	7,317.93	7,371.70	7,334.86	20.72	22.96	135.297	-125.08	616.14	188.41	149.76	38.64	4.876		
7,500.00	7,417.93	7,470.91	7,433.28	20.78	23.36	137.461	-122.31	628.28	177.92	139.44	38.48	4.624		
7,600.00	7,517.93	7,569.99	7,531.58	20.82	23.76	139.886	-119.54	640.40	167.71	129.53	38.18	4.393		
7,700.00	7,617.93	7,664.59	7,625.64	20.87	24.14	142.060	-117.32	650.17	159.36	121.53	37.83	4.212		
7,800.00	7,717.93	7,759.81	7,720.63	20.92	24.50	143.590	-115.87	656.51	154.12	116.50	37.63	4.096		
7,900.00	7,817.93	7,855.39	7,816.16	20.97	24.75	144.307	-115.22	659.35	151.83	114.27	37.56	4.042		
8,000.00	7,917.93	7,969.81	7,930.26	21.01	25.13	146.077	-114.06	665.78	148.00	110.36	37.64	3.932		
8,100.00	8,017.93	8,085.22	8,041.90	21.06	25.74	155.210	-109.03	693.84	131.80	96.44	35.35	3.728		
8,200.00	8,117.93	8,185.96	8,132.98	21.11	26.30	173.735	-101.48	735.90	111.70	81.29	30.41	3.673		
8,266.09	8,184.02	8,243.20	8,180.95	21.14	26.61	169.830	-95.98	766.59	105.72	77.16	28.56	3.702 CC, ES		
8,300.00	8,217.93	8,269.73	8,202.07	21.16	26.75	161.199	-93.14	782.39	107.69	78.18	29.51	3.650 SF		
8,400.00	8,317.93	8,337.74	8,252.63	21.21	27.10	139.649	-85.12	827.11	137.22	101.51	35.70	3.843		
8,500.00	8,417.93	8,392.62	8,289.27	21.26	27.35	125.770	-77.91	867.29	193.43	154.63	38.80	4.986		
8,600.00	8,517.93	8,437.06	8,315.98	21.31	27.54	117.320	-71.64	902.25	264.05	224.62	39.43	6.696		
8,700.00	8,617.93	8,473.39	8,335.71	21.35	27.68	111.962	-66.26	932.26	342.68	303.40	39.28	8.724		
8,800.00	8,717.93	8,500.00	8,348.91	21.40	27.78	108.741	-62.18	955.00	426.30	387.54	38.75	11.000		
8,900.00	8,817.91	8,528.90	8,362.03	21.48	27.87	14.571	-57.63	980.34	512.83	474.25	38.58	13.294		
9,000.00	8,916.79	8,550.00	8,370.77	21.94	27.94	10.128	-54.24	999.24	595.47	557.47	38.00	15.669		
9,100.00	9,011.73	8,586.26	8,384.12	22.47	28.04	7.026	-48.29	1,032.41	670.95	633.10	37.84	17.729		
9,200.00	9,099.84	8,618.48	8,394.18	23.01	28.11	5.210	-42.89	1,062.54	738.52	701.13	37.39	19.750		
9,300.00	9,178.45	8,650.00	8,402.34	23.52	28.18	3.999	-37.51	1,092.51	797.39	760.55	36.84	21.646		
9,400.00	9,245.16	8,700.00	8,411.81	23.97	28.25	2.861	-28.84	1,140.81	847.16	810.40	36.76	23.046		
9,500.00	9,297.95	8,723.13	8,414.74	24.35	28.27	2.351	-24.79	1,163.40	886.66	850.76	35.89	24.702		
9,600.00	9,335.22	8,750.00	8,416.98	24.62	28.30	1.905	-20.07	1,189.75	916.34	881.15	35.18	26.045		
9,700.00	9,355.84	8,816.26	8,418.00	24.78	28.32	1.119	-8.55	1,254.98	934.95	899.65	35.30	26.489		
9,722.25	9,358.22	8,837.97	8,418.00	24.79	28.32	0.902	-5.03	1,276.40	937.26	901.82	35.45	26.440		
9,800.00	9,360.00	8,914.65	8,418.00	24.83	28.34	0.232	6.07	1,352.27	938.94	902.94	36.00	26.084		
9,900.00	9,360.00	9,014.09	8,418.00	24.86	28.37	-0.444	17.45	1,451.06	938.96	902.24	36.72	25.570		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N/S (usft)	+E/W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	9,360.00	9,114.19	8,418.00	24.94	28.43	-0.913	25.43	1,550.83	939.05	901.54	37.51	25.033		
10,100.00	9,360.00	9,214.71	8,418.00	26.19	28.56	-1.169	29.93	1,651.24	939.13	900.77	38.36	24.483		
10,200.00	9,360.00	9,315.18	8,418.00	27.89	28.90	-1.220	31.07	1,751.70	939.14	899.91	39.24	23.935		
10,223.32	9,360.00	9,338.50	8,418.00	28.29	29.05	-1.220	31.14	1,775.02	939.14	899.69	39.45	23.807		
10,300.00	9,360.00	9,415.18	8,418.00	29.64	29.83	-1.220	31.37	1,851.70	939.14	899.00	40.15	23.393		
10,323.32	9,360.00	9,438.50	8,418.00	30.05	30.14	-1.220	31.44	1,875.02	939.14	898.78	40.37	23.265		
10,400.00	9,360.00	9,515.18	8,418.00	31.43	31.32	-1.220	31.67	1,951.70	939.14	898.05	41.10	22.852		
10,423.32	9,360.00	9,538.50	8,418.00	31.85	31.71	-1.220	31.74	1,975.02	939.14	897.82	41.33	22.725		
10,500.00	9,360.00	9,615.18	8,418.00	33.25	33.03	-1.220	31.97	2,051.70	939.14	897.06	42.08	22.316		
10,523.32	9,360.00	9,638.50	8,418.00	33.68	33.45	-1.220	32.04	2,075.02	939.14	896.82	42.32	22.191		
10,600.00	9,360.00	9,715.18	8,418.00	35.10	34.83	-1.220	32.27	2,151.70	939.14	896.04	43.11	21.787		
10,623.32	9,360.00	9,738.50	8,418.00	35.54	35.26	-1.220	32.33	2,175.02	939.14	895.79	43.35	21.664		
10,700.00	9,360.00	9,815.18	8,418.00	36.98	36.68	-1.220	32.56	2,251.70	939.14	894.98	44.16	21.267		
10,723.32	9,360.00	9,838.50	8,418.00	37.42	37.11	-1.220	32.63	2,275.02	939.14	894.73	44.41	21.146		
10,800.00	9,360.00	9,915.18	8,418.00	38.87	38.55	-1.220	32.86	2,351.70	939.14	893.90	45.24	20.758		
10,823.32	9,360.00	9,938.50	8,418.00	39.32	39.00	-1.220	32.93	2,375.02	939.14	893.64	45.50	20.640		
10,900.00	9,360.00	10,015.18	8,418.00	40.78	40.45	-1.220	33.16	2,451.70	939.14	892.79	46.35	20.260		
10,923.32	9,360.00	10,038.50	8,418.00	41.23	40.90	-1.220	33.23	2,475.02	939.14	892.52	46.62	20.145		
11,000.00	9,360.00	10,115.18	8,418.00	42.71	42.37	-1.220	33.46	2,551.70	939.14	891.65	47.49	19.774		
11,023.32	9,360.00	10,138.50	8,418.00	43.16	42.82	-1.220	33.53	2,575.02	939.14	891.38	47.76	19.662		
11,100.00	9,360.00	10,215.18	8,418.00	44.65	44.31	-1.220	33.76	2,651.70	939.14	890.49	48.65	19.302		
11,123.32	9,360.00	10,238.50	8,418.00	45.10	44.76	-1.220	33.83	2,675.02	939.14	890.21	48.93	19.193		
11,200.00	9,360.00	10,315.18	8,418.00	46.60	46.25	-1.220	34.05	2,751.70	939.14	889.30	49.84	18.843		
11,223.32	9,360.00	10,338.50	8,418.00	47.06	46.71	-1.220	34.12	2,775.02	939.14	889.02	50.12	18.738		
11,300.00	9,360.00	10,415.18	8,418.00	48.56	48.21	-1.220	34.35	2,851.70	939.14	888.10	51.04	18.399		
11,323.32	9,360.00	10,438.50	8,418.00	49.02	48.67	-1.220	34.42	2,875.02	939.14	887.81	51.33	18.296		
11,400.00	9,360.00	10,515.18	8,418.00	50.53	50.18	-1.220	34.65	2,951.70	939.14	886.87	52.27	17.967		
11,423.32	9,360.00	10,538.50	8,418.00	50.99	50.64	-1.220	34.72	2,975.02	939.14	886.58	52.56	17.868		
11,500.00	9,360.00	10,615.18	8,418.00	52.50	52.15	-1.220	34.95	3,051.70	939.14	885.63	53.51	17.550		
11,523.32	9,360.00	10,638.50	8,418.00	52.97	52.61	-1.220	35.02	3,075.02	939.14	885.34	53.81	17.454		
11,600.00	9,360.00	10,715.18	8,418.00	54.49	54.13	-1.220	35.25	3,151.70	939.14	884.37	54.77	17.146		
11,623.32	9,360.00	10,738.50	8,418.00	54.95	54.59	-1.220	35.32	3,175.01	939.14	884.07	55.07	17.054		
11,700.00	9,360.00	10,815.18	8,418.00	56.48	56.12	-1.220	35.55	3,251.70	939.14	883.10	56.05	16.756		
11,723.32	9,360.00	10,838.50	8,418.00	56.94	56.58	-1.220	35.61	3,275.01	939.14	882.80	56.35	16.667		
11,800.00	9,360.00	10,915.18	8,418.00	58.47	58.11	-1.220	35.84	3,351.70	939.14	881.81	57.34	16.379		
11,823.32	9,360.00	10,938.50	8,418.00	58.94	58.58	-1.220	35.91	3,375.01	939.14	881.50	57.64	16.293		
11,900.00	9,360.00	11,015.18	8,418.00	60.47	60.11	-1.220	36.14	3,451.70	939.14	880.50	58.64	16.015		
11,923.32	9,360.00	11,038.50	8,418.00	60.94	60.58	-1.220	36.21	3,475.01	939.14	880.19	58.95	15.932		
12,000.00	9,360.00	11,115.18	8,418.00	62.48	62.12	-1.220	36.44	3,551.70	939.14	879.18	59.96	15.663		
12,023.32	9,360.00	11,138.50	8,418.00	62.95	62.58	-1.220	36.51	3,575.01	939.14	878.88	60.27	15.583		
12,100.00	9,360.00	11,215.18	8,418.00	64.49	64.12	-1.220	36.74	3,651.70	939.14	877.86	61.29	15.324		
12,123.32	9,360.00	11,238.50	8,418.00	64.96	64.59	-1.220	36.81	3,675.01	939.14	877.54	61.60	15.246		
12,200.00	9,360.00	11,315.18	8,418.00	66.50	66.14	-1.220	37.04	3,751.69	939.14	876.52	62.63	14.996		
12,223.32	9,360.00	11,338.50	8,418.00	66.97	66.61	-1.220	37.11	3,775.01	939.14	876.20	62.94	14.921		
12,300.00	9,360.00	11,415.18	8,418.00	68.52	68.15	-1.220	37.33	3,851.69	939.14	875.17	63.98	14.679		
12,323.32	9,360.00	11,438.50	8,418.00	68.99	68.62	-1.220	37.40	3,875.01	939.14	874.85	64.29	14.607		
12,400.00	9,360.00	11,515.18	8,418.00	70.54	70.17	-1.220	37.63	3,951.69	939.14	873.81	65.34	14.374		
12,423.32	9,360.00	11,538.50	8,418.00	71.01	70.64	-1.220	37.70	3,975.01	939.14	873.49	65.66	14.304		
12,500.00	9,360.00	11,615.18	8,418.00	72.56	72.19	-1.220	37.93	4,051.69	939.14	872.44	66.71	14.078		
12,523.32	9,360.00	11,638.50	8,418.00	73.03	72.66	-1.220	38.00	4,075.01	939.14	872.11	67.03	14.011		
12,600.00	9,360.00	11,715.18	8,418.00	74.58	74.22	-1.220	38.23	4,151.69	939.14	871.06	68.09	13.793		
12,623.32	9,360.00	11,738.50	8,418.00	75.06	74.69	-1.220	38.30	4,175.01	939.14	870.73	68.41	13.728		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre			Rule Assigned:			
								+N-S (usft)	+E-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,700.00	9,360.00	11,815.18	8,418.00		76.61	76.24	-1.220	38.53	4,251.69	939.14	869.67	69.47	13.518	
12,723.32	9,360.00	11,838.50	8,418.00		77.08	76.71	-1.220	38.60	4,275.01	939.14	869.35	69.80	13.455	
12,800.00	9,360.00	11,915.18	8,418.00		78.64	78.27	-1.220	38.83	4,351.69	939.14	868.28	70.87	13.252	
12,823.32	9,360.00	11,938.50	8,418.00		79.11	78.74	-1.220	38.90	4,375.01	939.14	867.95	71.19	13.191	
12,900.00	9,360.00	12,015.18	8,418.00		80.67	80.30	-1.220	39.12	4,451.69	939.14	866.87	72.27	12.995	
12,923.32	9,360.00	12,038.50	8,418.00		81.15	80.77	-1.220	39.19	4,475.01	939.14	866.55	72.60	12.936	
13,000.00	9,360.00	12,115.18	8,418.00		82.71	82.33	-1.220	39.42	4,551.69	939.14	865.47	73.68	12.747	
13,023.32	9,360.00	12,138.50	8,418.00		83.18	82.81	-1.220	39.49	4,575.01	939.14	865.14	74.01	12.690	
13,100.00	9,360.00	12,215.18	8,418.00		84.74	84.37	-1.220	39.72	4,651.69	939.14	864.05	75.09	12.506	
13,123.32	9,360.00	12,238.50	8,418.00		85.22	84.84	-1.220	39.79	4,675.01	939.14	863.72	75.42	12.452	
13,200.00	9,360.00	12,315.18	8,418.00		86.78	86.40	-1.220	40.02	4,751.69	939.14	862.63	76.51	12.274	
13,223.32	9,360.00	12,338.50	8,418.00		87.25	86.88	-1.220	40.09	4,775.01	939.14	862.30	76.85	12.221	
13,300.00	9,360.00	12,415.18	8,418.00		88.82	88.44	-1.220	40.32	4,851.69	939.14	861.20	77.94	12.049	
13,323.32	9,360.00	12,438.50	8,418.00		89.29	88.92	-1.220	40.39	4,875.01	939.14	860.87	78.27	11.998	
13,400.00	9,360.00	12,515.18	8,418.00		90.86	90.48	-1.220	40.61	4,951.69	939.14	859.77	79.37	11.832	
13,423.32	9,360.00	12,538.50	8,418.00		91.33	90.96	-1.220	40.68	4,975.01	939.14	859.43	79.71	11.782	
13,500.00	9,360.00	12,615.18	8,418.00		92.90	92.52	-1.220	40.91	5,051.69	939.14	858.33	80.81	11.622	
13,523.32	9,360.00	12,638.50	8,418.00		93.37	93.00	-1.220	40.98	5,075.01	939.14	858.00	81.15	11.573	
13,600.00	9,360.00	12,715.18	8,418.00		94.94	94.56	-1.220	41.21	5,151.69	939.14	856.89	82.25	11.418	
13,623.32	9,360.00	12,738.50	8,418.00		95.41	95.04	-1.220	41.28	5,175.01	939.14	856.55	82.59	11.371	
13,700.00	9,360.00	12,815.18	8,418.00		96.98	96.61	-1.220	41.51	5,251.69	939.14	855.44	83.70	11.220	
13,723.32	9,360.00	12,838.50	8,418.00		97.46	97.08	-1.220	41.58	5,275.01	939.14	855.10	84.04	11.175	
13,800.00	9,360.00	12,915.18	8,418.00		99.03	98.65	-1.220	41.81	5,351.69	939.14	853.99	85.15	11.029	
13,823.32	9,360.00	12,938.50	8,418.00		99.50	99.13	-1.220	41.88	5,375.01	939.14	853.65	85.49	10.985	
13,900.00	9,360.00	13,015.18	8,418.00		101.07	100.70	-1.220	42.11	5,451.69	939.14	852.54	86.61	10.844	
13,923.32	9,360.00	13,038.50	8,418.00		101.55	101.17	-1.220	42.18	5,475.00	939.14	852.19	86.95	10.801	
14,000.00	9,360.00	13,115.18	8,418.00		103.12	102.74	-1.220	42.40	5,551.69	939.14	851.08	88.07	10.664	
14,023.32	9,360.00	13,138.50	8,418.00		103.60	103.22	-1.220	42.47	5,575.00	939.14	850.73	88.41	10.623	
14,100.00	9,360.00	13,215.18	8,418.00		105.17	104.79	-1.220	42.70	5,651.69	939.14	849.61	89.53	10.490	
14,123.32	9,360.00	13,238.50	8,418.00		105.64	105.27	-1.220	42.77	5,675.00	939.14	849.27	89.87	10.450	
14,200.00	9,360.00	13,315.18	8,418.00		107.21	106.84	-1.220	43.00	5,751.69	939.14	848.14	91.00	10.320	
14,223.32	9,360.00	13,338.50	8,418.00		107.69	107.31	-1.220	43.07	5,775.00	939.14	847.80	91.34	10.282	
14,300.00	9,360.00	13,415.18	8,418.00		109.26	108.88	-1.220	43.30	5,851.69	939.14	846.67	92.47	10.156	
14,323.32	9,360.00	13,438.50	8,418.00		109.74	109.36	-1.220	43.37	5,875.00	939.14	846.33	92.81	10.119	
14,400.00	9,360.00	13,515.18	8,418.00		111.31	110.93	-1.220	43.60	5,951.69	939.14	845.20	93.94	9.997	
14,423.32	9,360.00	13,538.50	8,418.00		111.79	111.41	-1.220	43.67	5,975.00	939.14	844.86	94.29	9.960	
14,500.00	9,360.00	13,615.18	8,418.00		113.36	112.98	-1.220	43.90	6,051.68	939.14	843.72	95.42	9.842	
14,523.32	9,360.00	13,638.50	8,418.00		113.84	113.46	-1.220	43.96	6,075.00	939.14	843.38	95.77	9.807	
14,600.00	9,360.00	13,715.18	8,418.00		115.42	115.03	-1.220	44.19	6,151.68	939.14	842.24	96.90	9.692	
14,623.32	9,360.00	13,738.50	8,418.00		115.89	115.51	-1.220	44.26	6,175.00	939.14	841.90	97.25	9.657	
14,700.00	9,360.00	13,815.18	8,418.00		117.47	117.09	-1.220	44.49	6,251.68	939.14	840.76	98.38	9.546	
14,723.32	9,360.00	13,838.50	8,418.00		117.95	117.56	-1.220	44.56	6,275.00	939.14	840.41	98.73	9.512	
14,800.00	9,360.00	13,915.18	8,418.00		119.52	119.14	-1.220	44.79	6,351.68	939.14	839.27	99.87	9.404	
14,823.32	9,360.00	13,938.50	8,418.00		120.00	119.62	-1.220	44.86	6,375.00	939.14	838.93	100.22	9.371	
14,900.00	9,360.00	14,015.18	8,418.00		121.57	121.19	-1.220	45.09	6,451.68	939.14	837.79	101.36	9.266	
14,923.32	9,360.00	14,038.50	8,418.00		122.05	121.67	-1.220	45.16	6,475.00	939.14	837.44	101.71	9.234	
15,000.00	9,360.00	14,115.18	8,418.00		123.63	123.24	-1.220	45.39	6,551.68	939.14	836.29	102.85	9.131	
15,023.32	9,360.00	14,138.50	8,418.00		124.11	123.72	-1.220	45.46	6,575.00	939.14	835.95	103.20	9.101	
15,100.00	9,360.00	14,215.18	8,418.00		125.68	125.30	-1.220	45.68	6,651.68	939.14	834.80	104.34	9.001	
15,123.32	9,360.00	14,238.50	8,418.00		126.16	125.78	-1.220	45.75	6,675.00	939.14	834.45	104.69	8.971	
15,200.00	9,360.00	14,315.18	8,418.00		127.74	127.35	-1.220	45.98	6,751.68	939.14	833.31	105.84	8.873	
15,223.32	9,360.00	14,338.50	8,418.00		128.22	127.83	-1.220	46.05	6,775.00	939.14	832.96	106.19	8.844	

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1													Offset Site Error:	0.00 usft
Survey Program:	0-MWD+IFR1												Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	9,360.00	14,415.18	8,418.00	129.79	129.41	-1.220	46.28	6,851.68	939.14	831.81	107.33	8.750		
15,323.32	9,360.00	14,438.50	8,418.00	130.27	129.89	-1.220	46.35	6,875.00	939.14	831.46	107.68	8.721		
15,400.00	9,360.00	14,515.18	8,418.00	131.85	131.46	-1.220	46.58	6,951.68	939.14	830.31	108.83	8.629		
15,423.32	9,360.00	14,538.50	8,418.00	132.33	131.94	-1.220	46.65	6,975.00	939.14	829.96	109.18	8.601		
15,500.00	9,360.00	14,615.18	8,418.00	133.90	133.52	-1.220	46.88	7,051.68	939.14	828.81	110.34	8.512		
15,523.32	9,360.00	14,638.50	8,418.00	134.38	134.00	-1.220	46.95	7,075.00	939.14	828.46	110.69	8.485		
15,600.00	9,360.00	14,715.18	8,418.00	135.96	135.57	-1.220	47.18	7,151.68	939.14	827.30	111.84	8.397		
15,623.32	9,360.00	14,738.50	8,418.00	136.44	136.05	-1.220	47.25	7,175.00	939.14	826.95	112.19	8.371		
15,700.00	9,360.00	14,815.18	8,418.00	138.02	137.63	-1.220	47.47	7,251.68	939.14	825.80	113.35	8.286		
15,723.32	9,360.00	14,838.50	8,418.00	138.50	138.11	-1.220	47.54	7,275.00	939.14	825.45	113.70	8.260		
15,800.00	9,360.00	14,915.18	8,418.00	140.07	139.69	-1.220	47.77	7,351.68	939.14	824.29	114.85	8.177		
15,823.32	9,360.00	14,938.50	8,418.00	140.55	140.17	-1.220	47.84	7,375.00	939.14	823.94	115.20	8.152		
15,900.00	9,360.00	15,015.18	8,418.00	142.13	141.75	-1.220	48.07	7,451.68	939.14	822.78	116.36	8.071		
15,923.32	9,360.00	15,038.50	8,418.00	142.61	142.23	-1.220	48.14	7,475.00	939.14	822.43	116.71	8.047		
16,000.00	9,360.00	15,115.18	8,418.00	144.19	143.80	-1.220	48.37	7,551.68	939.14	821.27	117.87	7.967		
16,023.32	9,360.00	15,138.50	8,418.00	144.67	144.28	-1.220	48.44	7,575.00	939.14	820.92	118.23	7.944		
16,100.00	9,360.00	15,215.18	8,418.00	146.25	145.86	-1.220	48.67	7,651.68	939.14	819.76	119.39	7.867		
16,123.32	9,360.00	15,238.50	8,418.00	146.73	146.34	-1.220	48.74	7,674.99	939.14	819.40	119.74	7.843		
16,200.00	9,360.00	15,315.18	8,418.00	148.31	147.92	-1.220	48.96	7,751.68	939.14	818.24	120.90	7.768		
16,223.32	9,360.00	15,338.50	8,418.00	148.79	148.40	-1.220	49.03	7,774.99	939.14	817.89	121.25	7.745		
16,300.00	9,360.00	15,415.18	8,418.00	150.37	149.98	-1.220	49.26	7,851.68	939.14	816.73	122.41	7.672		
16,323.32	9,360.00	15,438.50	8,418.00	150.85	150.46	-1.220	49.33	7,874.99	939.14	816.38	122.77	7.650		
16,400.00	9,360.00	15,515.18	8,418.00	152.42	152.04	-1.220	49.56	7,951.68	939.14	815.21	123.93	7.578		
16,423.32	9,360.00	15,538.50	8,418.00	152.90	152.52	-1.220	49.63	7,974.99	939.14	814.86	124.28	7.556		
16,500.00	9,360.00	15,615.18	8,418.00	154.48	154.10	-1.220	49.86	8,051.68	939.14	813.69	125.45	7.486		
16,523.32	9,360.00	15,638.50	8,418.00	154.96	154.58	-1.220	49.93	8,074.99	939.14	813.34	125.80	7.465		
16,600.00	9,360.00	15,715.18	8,418.00	156.54	156.16	-1.220	50.16	8,151.68	939.14	812.17	126.97	7.397		
16,623.32	9,360.00	15,738.50	8,418.00	157.02	156.64	-1.220	50.23	8,174.99	939.14	811.82	127.32	7.376		
16,700.00	9,360.00	15,815.18	8,418.00	158.60	158.22	-1.220	50.46	8,251.67	939.14	810.65	128.49	7.309		
16,723.32	9,360.00	15,838.50	8,418.00	159.08	158.70	-1.220	50.53	8,274.99	939.14	810.30	128.84	7.289		
16,800.00	9,360.00	15,915.18	8,418.00	160.66	160.28	-1.220	50.75	8,351.67	939.14	809.13	130.01	7.224		
16,823.32	9,360.00	15,938.50	8,418.00	161.14	160.76	-1.220	50.82	8,374.99	939.14	808.78	130.37	7.204		
16,900.00	9,360.00	16,015.18	8,418.00	162.73	162.34	-1.220	51.05	8,451.67	939.14	807.61	131.53	7.140		
16,923.32	9,360.00	16,038.50	8,418.00	163.21	162.82	-1.220	51.12	8,474.99	939.14	807.25	131.89	7.121		
17,000.00	9,360.00	16,115.18	8,418.00	164.79	164.40	-1.220	51.35	8,551.67	939.14	806.08	133.06	7.058		
17,023.32	9,360.00	16,138.50	8,418.00	165.27	164.88	-1.220	51.42	8,574.99	939.14	805.73	133.41	7.039		
17,100.00	9,360.00	16,215.18	8,418.00	166.85	166.46	-1.220	51.65	8,651.67	939.14	804.56	134.58	6.978		
17,123.32	9,360.00	16,238.50	8,418.00	167.33	166.94	-1.220	51.72	8,674.99	939.14	804.20	134.94	6.960		
17,200.00	9,360.00	16,315.18	8,418.00	168.91	168.52	-1.220	51.95	8,751.67	939.14	803.03	136.11	6.900		
17,223.32	9,360.00	16,338.50	8,418.00	169.39	169.00	-1.220	52.02	8,774.99	939.14	802.68	136.47	6.882		
17,300.00	9,360.00	16,415.18	8,418.00	170.97	170.58	-1.220	52.25	8,851.67	939.14	801.51	137.64	6.823		
17,323.32	9,360.00	16,438.50	8,418.00	171.45	171.06	-1.220	52.31	8,874.99	939.14	801.15	137.99	6.806		
17,400.00	9,360.00	16,515.18	8,418.00	173.03	172.64	-1.220	52.54	8,951.67	939.14	799.98	139.17	6.748		
17,423.32	9,360.00	16,538.50	8,418.00	173.51	173.12	-1.220	52.61	8,974.99	939.14	799.62	139.52	6.731		
17,500.00	9,360.00	16,615.18	8,418.00	175.09	174.70	-1.220	52.84	9,051.67	939.14	798.45	140.70	6.675		
17,523.32	9,360.00	16,638.50	8,418.00	175.57	175.18	-1.220	52.91	9,074.99	939.14	798.09	141.05	6.658		
17,600.00	9,360.00	16,715.18	8,418.00	177.16	176.76	-1.220	53.14	9,151.67	939.14	796.92	142.23	6.603		
17,623.32	9,360.00	16,738.50	8,418.00	177.64	177.24	-1.220	53.21	9,174.99	939.14	796.56	142.58	6.587		
17,700.00	9,360.00	16,815.18	8,418.00	179.22	178.83	-1.220	53.44	9,251.67	939.14	795.39	143.76	6.533		
17,723.32	9,360.00	16,838.50	8,418.00	179.70	179.31	-1.220	53.51	9,274.99	939.14	795.03	144.11	6.517		
17,800.00	9,360.00	16,915.18	8,418.00	181.28	180.89	-1.220	53.74	9,351.67	939.14	793.85	145.29	6.464		
17,823.32	9,360.00	16,938.50	8,418.00	181.76	181.37	-1.220	53.81	9,374.99	939.14	793.50	145.65	6.448		

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



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 2 - (04) Bond 33-34 FED COM #104H - #104H - Plan 1												Offset Site Error:	0.00 usft	
Survey Program:	0-MWD+IFR1											Rule Assigned:	Offset Well Error:	0.00 usft
	Reference Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,900.00	9,360.00	17,015.18	8,418.00	183.34	182.95	-1.220	54.03	9,451.67	939.14	792.32	146.82	6.396		
17,923.32	9,360.00	17,038.50	8,418.00	183.82	183.43	-1.220	54.10	9,474.99	939.14	791.96	147.18	6.381		
18,000.00	9,360.00	17,115.18	8,418.00	185.41	185.01	-1.220	54.33	9,551.67	939.14	790.79	148.36	6.330		
18,023.32	9,360.00	17,138.50	8,418.00	185.89	185.49	-1.220	54.40	9,574.99	939.14	790.43	148.71	6.315		
18,100.00	9,360.00	17,215.18	8,418.00	187.47	187.08	-1.220	54.63	9,651.67	939.14	789.25	149.89	6.266		
18,123.32	9,360.00	17,238.50	8,418.00	187.95	187.56	-1.220	54.70	9,674.99	939.14	788.89	150.25	6.251		
18,200.00	9,360.00	17,315.18	8,418.00	189.53	189.14	-1.220	54.93	9,751.67	939.14	787.72	151.43	6.202		
18,223.32	9,360.00	17,338.50	8,418.00	190.01	189.62	-1.220	55.00	9,774.99	939.14	787.36	151.78	6.187		
18,300.00	9,360.00	17,415.18	8,418.00	191.59	191.20	-1.220	55.23	9,851.67	939.14	786.18	152.96	6.140		
18,323.32	9,360.00	17,438.50	8,418.00	192.08	191.68	-1.220	55.30	9,874.99	939.14	785.82	153.32	6.125		
18,400.00	9,360.00	17,515.18	8,418.00	193.66	193.26	-1.220	55.53	9,951.67	939.14	784.64	154.50	6.079		
18,423.32	9,360.00	17,538.50	8,418.00	194.14	193.74	-1.220	55.59	9,974.98	939.14	784.29	154.86	6.065		
18,500.00	9,360.00	17,615.18	8,418.00	195.72	195.33	-1.220	55.82	10,051.67	939.14	783.11	156.04	6.019		
18,523.32	9,360.00	17,638.50	8,418.00	196.20	195.81	-1.220	55.89	10,074.98	939.14	782.75	156.40	6.005		
18,600.00	9,360.00	17,715.18	8,418.00	197.78	197.39	-1.220	56.12	10,151.67	939.14	781.57	157.57	5.960		
18,623.32	9,360.00	17,738.50	8,418.00	198.27	197.87	-1.220	56.19	10,174.98	939.14	781.21	157.93	5.946		
18,700.00	9,360.00	17,815.18	8,418.00	199.85	199.45	-1.220	56.42	10,251.67	939.14	780.03	159.11	5.902		
18,723.32	9,360.00	17,838.50	8,418.00	200.33	199.93	-1.220	56.49	10,274.98	939.14	779.67	159.47	5.889		
18,800.00	9,360.00	17,915.18	8,418.00	201.91	201.52	-1.220	56.72	10,351.67	939.14	778.49	160.65	5.846		
18,823.32	9,360.00	17,938.50	8,418.00	202.39	202.00	-1.220	56.79	10,374.98	939.14	778.13	161.01	5.833		
18,900.00	9,360.00	18,015.18	8,418.00	203.98	203.58	-1.220	57.02	10,451.67	939.14	776.95	162.19	5.790		
18,923.32	9,360.00	18,038.50	8,418.00	204.46	204.06	-1.220	57.09	10,474.98	939.14	776.59	162.55	5.777		
19,000.00	9,360.00	18,115.18	8,418.00	206.04	205.64	-1.220	57.31	10,551.66	939.14	775.41	163.73	5.736		
19,023.32	9,360.00	18,138.50	8,418.00	206.52	206.13	-1.220	57.38	10,574.98	939.14	775.05	164.09	5.723		
19,100.00	9,360.00	18,215.18	8,418.00	208.10	207.71	-1.220	57.61	10,651.66	939.14	773.87	165.28	5.682		
19,123.32	9,360.00	18,238.50	8,418.00	208.59	208.19	-1.220	57.68	10,674.98	939.14	773.51	165.64	5.670		
19,200.00	9,360.00	18,315.18	8,418.00	210.17	209.77	-1.220	57.91	10,751.66	939.14	772.33	166.82	5.630		
19,223.32	9,360.00	18,338.50	8,418.00	210.65	210.25	-1.220	57.98	10,774.98	939.14	771.97	167.18	5.618		
19,300.00	9,360.00	18,415.18	8,418.00	212.23	211.84	-1.220	58.21	10,851.66	939.14	770.78	168.36	5.578		
19,323.32	9,360.00	18,438.50	8,418.00	212.71	212.32	-1.220	58.28	10,874.98	939.14	770.42	168.72	5.566		
19,400.00	9,360.00	18,515.18	8,418.00	214.30	213.90	-1.220	58.51	10,951.66	939.14	769.24	169.90	5.528		
19,423.32	9,360.00	18,538.50	8,418.00	214.78	214.38	-1.220	58.58	10,974.98	939.14	768.88	170.26	5.516		
19,500.00	9,360.00	18,615.18	8,418.00	216.36	215.97	-1.220	58.81	11,051.66	939.14	767.70	171.45	5.478		
19,523.32	9,360.00	18,638.50	8,418.00	216.84	216.45	-1.220	58.88	11,074.98	939.14	767.34	171.81	5.466		
19,600.00	9,360.00	18,715.18	8,418.00	218.43	218.03	-1.220	59.10	11,151.66	939.14	766.15	172.99	5.429		
19,623.32	9,360.00	18,738.50	8,418.00	218.91	218.51	-1.220	59.17	11,174.98	939.14	765.79	173.35	5.418		
19,700.00	9,360.00	18,815.18	8,418.00	220.49	220.09	-1.220	59.40	11,251.66	939.14	764.61	174.54	5.381		
19,723.32	9,360.00	18,838.50	8,418.00	220.97	220.58	-1.220	59.47	11,274.98	939.14	764.25	174.90	5.370		
19,800.00	9,360.00	18,915.18	8,418.00	222.56	222.16	-1.220	59.70	11,351.66	939.14	763.06	176.08	5.334		
19,823.32	9,360.00	18,938.50	8,418.00	223.04	222.64	-1.220	59.77	11,374.98	939.14	762.70	176.44	5.323		
19,900.00	9,360.00	19,015.18	8,418.00	224.62	224.22	-1.220	60.00	11,451.66	939.14	761.52	177.63	5.287		
19,923.32	9,360.00	19,038.50	8,418.00	225.10	224.71	-1.220	60.07	11,474.98	939.14	761.16	177.99	5.276		
20,000.00	9,360.00	19,115.18	8,418.00	226.69	226.29	-1.220	60.30	11,551.66	939.14	759.97	179.17	5.242		
20,023.32	9,360.00	19,138.50	8,418.00	227.17	226.77	-1.220	60.37	11,574.98	939.14	759.61	179.53	5.231		
20,100.00	9,360.00	19,215.18	8,418.00	228.75	228.35	-1.220	60.59	11,651.66	939.14	758.42	180.72	5.197		
20,118.98	9,360.00	19,234.16	8,418.00	229.14	228.75	-1.220	60.65	11,670.64	939.14	758.13	181.01	5.188		
20,181.28	9,360.00	19,296.39	8,418.00	230.43	230.03	-1.220	60.84	11,732.87	939.14	757.17	181.97	5.161		

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



Dixon Directional

Anticollision Report

Company:	PBEX
Project:	Lea County, NM (N83 - NME)
Reference Site:	Bond South Pad - Phase 1
Site Error:	0.00 usft
Reference Well:	(01) Bond 33-34 FED COM 207H
Well Error:	0.00 usft
Reference Wellbore	207H
Reference Design:	Plan 2

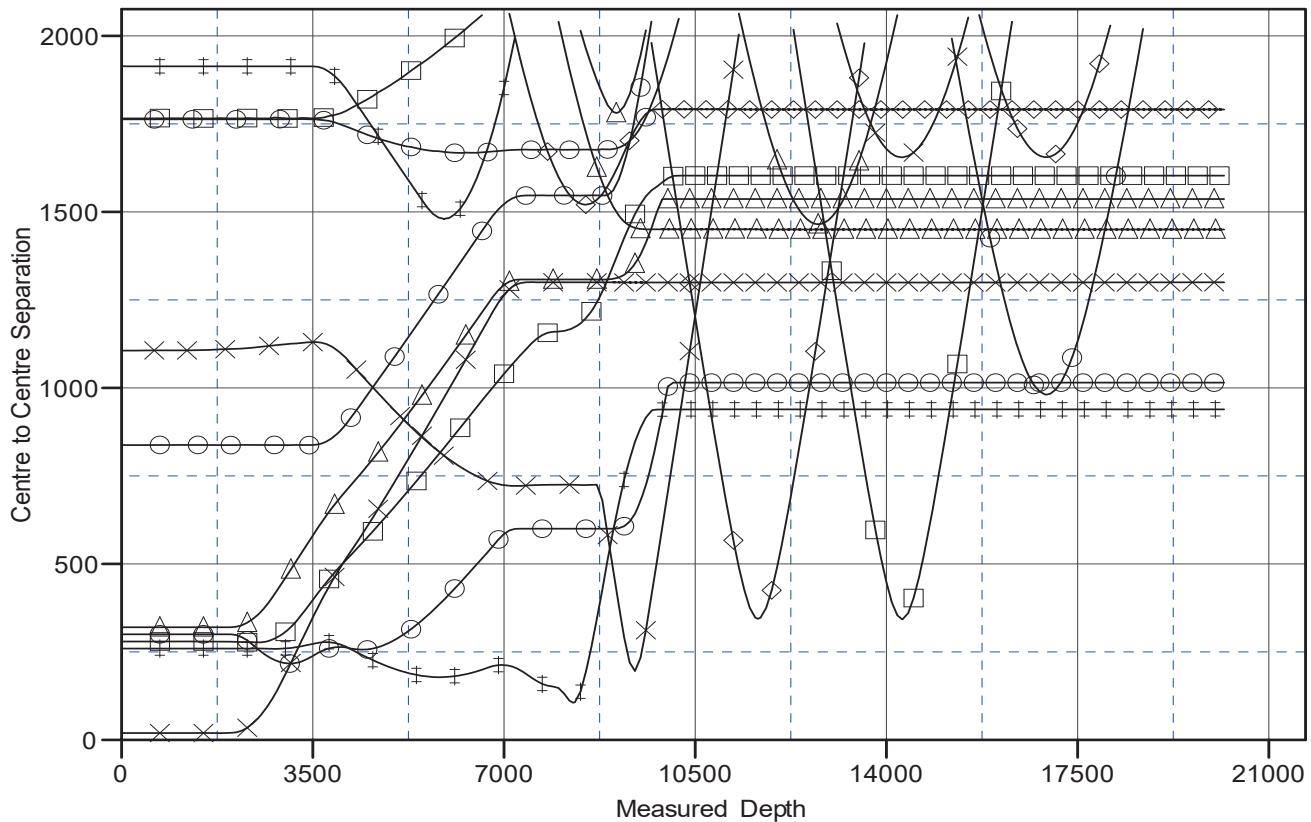
Local Co-ordinate Reference:	
TVD Reference:	
MD Reference:	
North Reference:	
Survey Calculation Method:	
Output errors are at	
Database:	
Offset TVD Reference:	

Well (01) Bond 33-34 FED COM 207H
RKB - 30.5 @ 3718.11usft
RKB - 30.5 @ 3718.11usft
Grid
Minimum Curvature
2.00 sigma
EDM 5000.1 Dixon Directional
Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3718.11usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.33333334

Coordinates are relative to: (01) Bond 33-34 FED COM 207H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.297°

Ladder Plot



LEGEND

(02) Bond 33-34 FED COM 211H,211H, Plan 3 V0
 (01) Bond 33-34 FED COM #206H,206H, Plan 1 V0
 (03) Bond 33-34 FED COM #103H, #103H, Plan 1 V0
 (W14) KEELA FEDERAL 003, (Inc Only) V0
 (W17) MAXSTATE 001,26754, (Inc Only) V0
 (W16) LEARSTATE SWD 003, 26903, (Inc Only) V0
 (W21) VANDOVER FEDERAL 001,26352, (Inc Only) V0

(W12) HULISTER 005, 39572, (Inc Only) V0
 (W07) GULF MCKAY FEDERAL 001, 26471, (Inc Only) V0
 (W02) LEARSTATE 001H, 38895, (Gyro/MWD) V0
 (W18) MCKAY WEST FEDERAL 001, 24931, (Inc Only) V0
 (W05) GULF FEDERAL 002, 26310, (Inc Only) V0
 (W03) LEARSTATE SWD 001, 33411, (Depth Only) V0

(W06) GULF FEDERAL COM 001,25637, (Inc Only) V0
 (01) Bond 33-34 FED COM #209H, #209H, Plan 1 V0
 (04) Bond 33-34 FED COM #104H, #104H, Plan 1 V0
 (03) Bond 33-34 FED COM #108H, #108H, Plan 1 V0
 (02) Bond 33-34 FED COM #304H, #304H, Plan 1 V0



Dixon Directional

Anticollision Report

Company:	PBEX	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3718.11usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3718.11usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	207H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3718.11usft

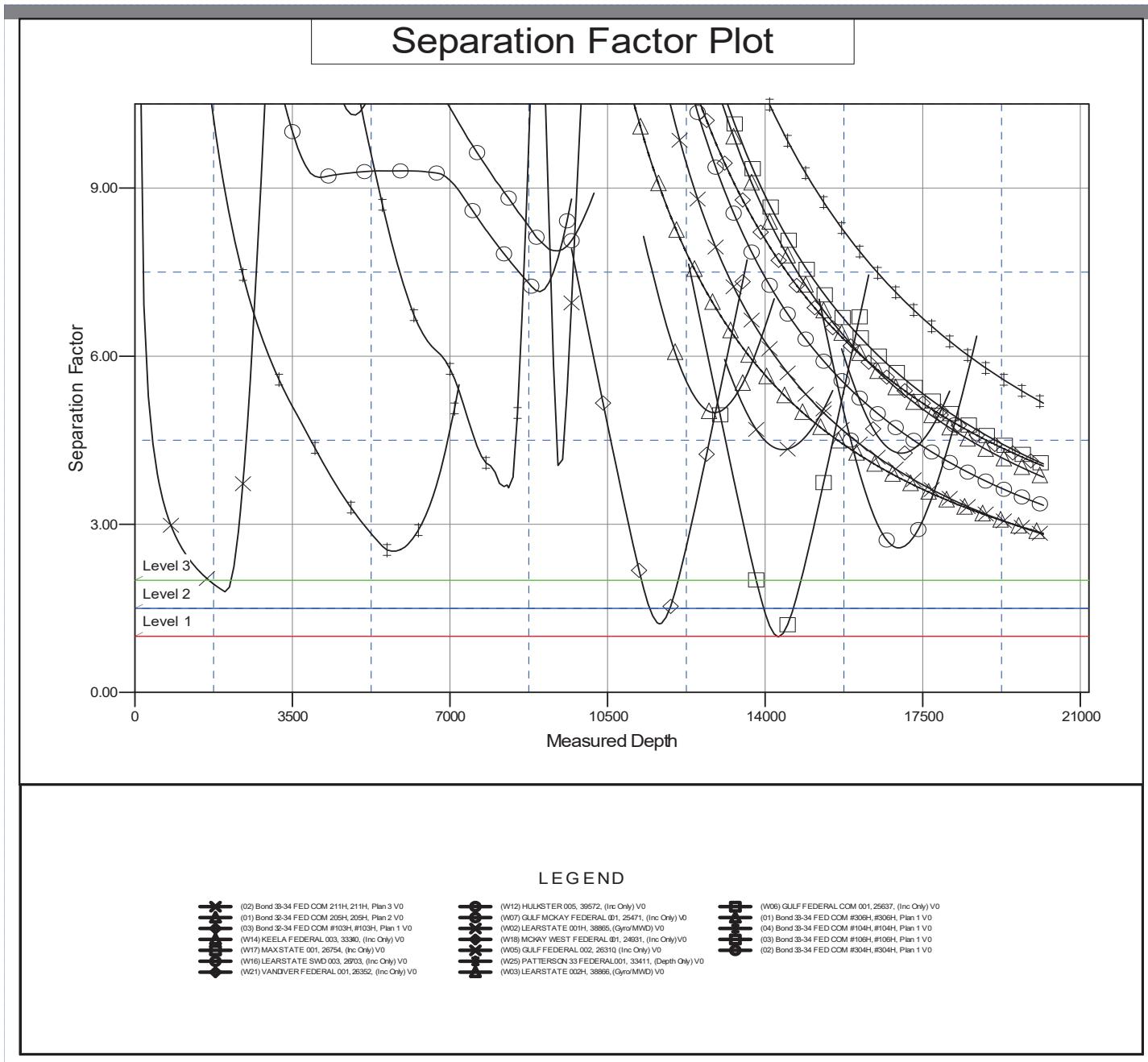
Coordinates are relative to: (01) Bond 33-34 FED COM 207H

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Central Meridian is -104.33333334

Grid Convergence at Surface is: 0.297°



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

Updated and most recent directional plan



PBEX

Lea County, NM (N83 - NME)
Bond South Pad - Phase 1
(01) Bond 33-34 FED COM 207H
TBD
207H

Plan: Plan 2

Standard Planning Report

04 December, 2025

DIXON



Dixon Directional

Planning Report

Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3718.11usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3718.11usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Wellbore:	207H		
Design:	Plan 2		

Project	Lea County, NM (N83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Bond South Pad - Phase 1			
Site Position:		Northing:	619,273.62 usft	Latitude: 32.70122162
From:	Map	Easting:	710,360.35 usft	Longitude: -103.78385790
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	(01) Bond 33-34 FED COM 207H				
Well Position	+N/-S 0.00 usft	Northing:	619,273.62 usft	Latitude:	32.70122162
	+E/-W 0.00 usft	Easting:	710,360.35 usft	Longitude:	-103.78385790
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,687.61 usft
Grid Convergence:	0.297 °				

Wellbore	207H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/3/2025	6.348	60.140	47,225.65247555

Design	Plan 2				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
		0.00	0.00	0.00	89.83

Plan Survey Tool Program	Date	12/4/2025		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,181.28 Plan 2 (207H)	MWD+IFR1	OWSG MWD + IFR1

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
4,173.32	13.47	89.38	4,167.14	0.85	78.76	2.00	2.00	0.00	89.381	
6,708.75	13.47	89.38	6,632.86	7.23	669.17	0.00	0.00	0.00	0.000	
7,382.07	0.00	89.83	7,300.00	8.08	747.92	2.00	-2.00	0.00	180.000	
8,869.11	0.00	89.83	8,787.04	8.08	747.92	0.00	0.00	0.00	0.000	
9,769.11	90.00	89.83	9,360.00	9.79	1,320.88	10.00	10.00	0.00	0.000	FTP/PP - v1 - (01) Bo
20,181.28	90.00	89.83	9,360.00	40.84	11,733.00	0.00	0.00	0.00	0.000	PBHL - v1 - (01) Bonc



Dixon Directional

Planning Report

Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (01) Bond 33-34 FED COM 207H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3718.11usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3718.11usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(01) Bond 33-34 FED COM 207H	Survey Calculation Method:	Minimum Curvature
Wellbore:	207H		
Design:	Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
3,600.00	2.00	89.38	3,599.98	0.02	1.75	1.75	2.00	2.00	0.00
3,700.00	4.00	89.38	3,699.84	0.08	6.98	6.98	2.00	2.00	0.00
3,800.00	6.00	89.38	3,799.45	0.17	15.69	15.69	2.00	2.00	0.00
3,900.00	8.00	89.38	3,898.70	0.30	27.88	27.88	2.00	2.00	0.00
4,000.00	10.00	89.38	3,997.47	0.47	43.52	43.52	2.00	2.00	0.00
4,100.00	12.00	89.38	4,095.62	0.68	62.60	62.60	2.00	2.00	0.00
4,173.32	13.47	89.38	4,167.14	0.85	78.76	78.76	2.00	2.00	0.00
Start 2535.42 hold at 4173.32 MD									
4,200.00	13.47	89.38	4,193.08	0.92	84.97	84.97	0.00	0.00	0.00
4,300.00	13.47	89.38	4,290.34	1.17	108.26	108.26	0.00	0.00	0.00
4,400.00	13.47	89.38	4,387.59	1.42	131.54	131.55	0.00	0.00	0.00
4,500.00	13.47	89.38	4,484.84	1.67	154.83	154.83	0.00	0.00	0.00
4,600.00	13.47	89.38	4,582.09	1.92	178.12	178.12	0.00	0.00	0.00
4,700.00	13.47	89.38	4,679.34	2.18	201.40	201.41	0.00	0.00	0.00
4,800.00	13.47	89.38	4,776.59	2.43	224.69	224.69	0.00	0.00	0.00
4,900.00	13.47	89.38	4,873.84	2.68	247.97	247.98	0.00	0.00	0.00



Dixon Directional

Planning Report

Database: EDM 5000.1 Dixon Directional	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well (01) Bond 33-34 FED COM 207H RKB - 30.5 @ 3718.11usft RKB - 30.5 @ 3718.11usft Grid Minimum Curvature
Company: PBEX		
Project: Lea County, NM (N83 - NME)		
Site: Bond South Pad - Phase 1		
Well: (01) Bond 33-34 FED COM 207H		
Wellbore: 207H		
Design: Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	13.47	89.38	4,971.09	2.93	271.26	271.27	0.00	0.00	0.00
5,100.00	13.47	89.38	5,068.34	3.18	294.55	294.56	0.00	0.00	0.00
5,200.00	13.47	89.38	5,165.59	3.43	317.83	317.84	0.00	0.00	0.00
5,300.00	13.47	89.38	5,262.84	3.68	341.12	341.13	0.00	0.00	0.00
5,400.00	13.47	89.38	5,360.09	3.94	364.41	364.42	0.00	0.00	0.00
5,500.00	13.47	89.38	5,457.34	4.19	387.69	387.70	0.00	0.00	0.00
5,600.00	13.47	89.38	5,554.59	4.44	410.98	410.99	0.00	0.00	0.00
5,700.00	13.47	89.38	5,651.84	4.69	434.27	434.28	0.00	0.00	0.00
5,800.00	13.47	89.38	5,749.09	4.94	457.55	457.56	0.00	0.00	0.00
5,900.00	13.47	89.38	5,846.35	5.19	480.84	480.85	0.00	0.00	0.00
6,000.00	13.47	89.38	5,943.60	5.45	504.12	504.14	0.00	0.00	0.00
6,100.00	13.47	89.38	6,040.85	5.70	527.41	527.43	0.00	0.00	0.00
6,200.00	13.47	89.38	6,138.10	5.95	550.70	550.71	0.00	0.00	0.00
6,300.00	13.47	89.38	6,235.35	6.20	573.98	574.00	0.00	0.00	0.00
6,400.00	13.47	89.38	6,332.60	6.45	597.27	597.29	0.00	0.00	0.00
6,500.00	13.47	89.38	6,429.85	6.70	620.56	620.57	0.00	0.00	0.00
6,600.00	13.47	89.38	6,527.10	6.95	643.84	643.86	0.00	0.00	0.00
6,708.75	13.47	89.38	6,632.86	7.23	669.17	669.18	0.00	0.00	0.00
Start Drop -2.00									
6,800.00	11.64	89.38	6,721.92	7.44	689.00	689.02	2.00	-2.00	0.00
6,900.00	9.64	89.38	6,820.20	7.64	707.46	707.48	2.00	-2.00	0.00
7,000.00	7.64	89.38	6,919.06	7.80	722.49	722.51	2.00	-2.00	0.00
7,100.00	5.64	89.38	7,018.38	7.93	734.05	734.07	2.00	-2.00	0.00
7,200.00	3.64	89.38	7,118.05	8.02	742.14	742.16	2.00	-2.00	0.00
7,300.00	1.64	89.38	7,217.94	8.07	746.75	746.77	2.00	-2.00	0.00
7,382.07	0.00	0.00	7,300.00	8.08	747.92	747.95	2.00	-2.00	0.00
Start 1487.04 hold at 7382.07 MD									
7,400.00	0.00	0.00	7,317.93	8.08	747.92	747.95	0.00	0.00	0.00
7,500.00	0.00	0.00	7,417.93	8.08	747.92	747.95	0.00	0.00	0.00
7,600.00	0.00	0.00	7,517.93	8.08	747.92	747.95	0.00	0.00	0.00
7,700.00	0.00	0.00	7,617.93	8.08	747.92	747.95	0.00	0.00	0.00
7,800.00	0.00	0.00	7,717.93	8.08	747.92	747.95	0.00	0.00	0.00
7,900.00	0.00	0.00	7,817.93	8.08	747.92	747.95	0.00	0.00	0.00
8,000.00	0.00	0.00	7,917.93	8.08	747.92	747.95	0.00	0.00	0.00
8,100.00	0.00	0.00	8,017.93	8.08	747.92	747.95	0.00	0.00	0.00
8,200.00	0.00	0.00	8,117.93	8.08	747.92	747.95	0.00	0.00	0.00
8,300.00	0.00	0.00	8,217.93	8.08	747.92	747.95	0.00	0.00	0.00
8,400.00	0.00	0.00	8,317.93	8.08	747.92	747.95	0.00	0.00	0.00
8,500.00	0.00	0.00	8,417.93	8.08	747.92	747.95	0.00	0.00	0.00
8,600.00	0.00	0.00	8,517.93	8.08	747.92	747.95	0.00	0.00	0.00
8,700.00	0.00	0.00	8,617.93	8.08	747.92	747.95	0.00	0.00	0.00
8,800.00	0.00	0.00	8,717.93	8.08	747.92	747.95	0.00	0.00	0.00
8,869.11	0.00	0.00	8,787.04	8.08	747.92	747.95	0.00	0.00	0.00
Start Build 10.00									
8,900.00	3.09	89.83	8,817.91	8.08	748.76	748.78	10.00	10.00	0.00
8,950.00	8.09	89.83	8,867.66	8.10	753.62	753.65	10.00	10.00	0.00
9,000.00	13.09	89.83	8,916.79	8.12	762.81	762.83	10.00	10.00	0.00
9,050.00	18.09	89.83	8,964.94	8.16	776.24	776.26	10.00	10.00	0.00
9,100.00	23.09	89.83	9,011.73	8.22	793.82	793.84	10.00	10.00	0.00
9,150.00	28.09	89.83	9,056.81	8.28	815.41	815.43	10.00	10.00	0.00
9,200.00	33.09	89.83	9,099.84	8.36	840.84	840.86	10.00	10.00	0.00
9,250.00	38.09	89.83	9,140.49	8.44	869.93	869.95	10.00	10.00	0.00
9,300.00	43.09	89.83	9,178.45	8.54	902.45	902.47	10.00	10.00	0.00



Dixon Directional

Planning Report

Database: EDM 5000.1 Dixon Directional	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well (01) Bond 33-34 FED COM 207H RKB - 30.5 @ 3718.11usft RKB - 30.5 @ 3718.11usft Grid Minimum Curvature
Company: PBEX		
Project: Lea County, NM (N83 - NME)		
Site: Bond South Pad - Phase 1		
Well: (01) Bond 33-34 FED COM 207H		
Wellbore: 207H		
Design: Plan 2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,350.00	48.09	89.83	9,213.42	8.65	938.16	938.18	10.00	10.00	0.00
9,400.00	53.09	89.83	9,245.16	8.76	976.77	976.80	10.00	10.00	0.00
9,450.00	58.09	89.83	9,273.41	8.88	1,018.01	1,018.03	10.00	10.00	0.00
9,500.00	63.09	89.83	9,297.95	9.01	1,061.55	1,061.57	10.00	10.00	0.00
9,550.00	68.09	89.83	9,318.61	9.15	1,107.07	1,107.09	10.00	10.00	0.00
9,600.00	73.09	89.83	9,335.22	9.29	1,154.21	1,154.23	10.00	10.00	0.00
9,650.00	78.09	89.83	9,347.66	9.43	1,202.62	1,202.64	10.00	10.00	0.00
9,700.00	83.09	89.83	9,355.84	9.58	1,251.93	1,251.96	10.00	10.00	0.00
9,750.00	88.09	89.83	9,359.68	9.73	1,301.77	1,301.79	10.00	10.00	0.00
9,769.11	90.00	89.83	9,360.00	9.79	1,320.88	1,320.90	10.00	10.00	0.00
Start 10412.17 hold at 9769.11 MD									
9,800.00	90.00	89.83	9,360.00	9.88	1,351.77	1,351.79	0.00	0.00	0.00
9,900.00	90.00	89.83	9,360.00	10.18	1,451.76	1,451.79	0.00	0.00	0.00
10,000.00	90.00	89.83	9,360.00	10.48	1,551.76	1,551.79	0.00	0.00	0.00
10,100.00	90.00	89.83	9,360.00	10.77	1,651.76	1,651.79	0.00	0.00	0.00
10,200.00	90.00	89.83	9,360.00	11.07	1,751.76	1,751.79	0.00	0.00	0.00
10,300.00	90.00	89.83	9,360.00	11.37	1,851.76	1,851.79	0.00	0.00	0.00
10,400.00	90.00	89.83	9,360.00	11.67	1,951.76	1,951.79	0.00	0.00	0.00
10,500.00	90.00	89.83	9,360.00	11.97	2,051.76	2,051.79	0.00	0.00	0.00
10,600.00	90.00	89.83	9,360.00	12.26	2,151.76	2,151.79	0.00	0.00	0.00
10,700.00	90.00	89.83	9,360.00	12.56	2,251.76	2,251.79	0.00	0.00	0.00
10,800.00	90.00	89.83	9,360.00	12.86	2,351.76	2,351.79	0.00	0.00	0.00
10,900.00	90.00	89.83	9,360.00	13.16	2,451.76	2,451.79	0.00	0.00	0.00
11,000.00	90.00	89.83	9,360.00	13.46	2,551.76	2,551.79	0.00	0.00	0.00
11,100.00	90.00	89.83	9,360.00	13.76	2,651.76	2,651.79	0.00	0.00	0.00
11,200.00	90.00	89.83	9,360.00	14.05	2,751.76	2,751.79	0.00	0.00	0.00
11,300.00	90.00	89.83	9,360.00	14.35	2,851.76	2,851.79	0.00	0.00	0.00
11,400.00	90.00	89.83	9,360.00	14.65	2,951.76	2,951.79	0.00	0.00	0.00
11,500.00	90.00	89.83	9,360.00	14.95	3,051.76	3,051.79	0.00	0.00	0.00
11,600.00	90.00	89.83	9,360.00	15.25	3,151.76	3,151.79	0.00	0.00	0.00
11,700.00	90.00	89.83	9,360.00	15.55	3,251.76	3,251.79	0.00	0.00	0.00
11,800.00	90.00	89.83	9,360.00	15.84	3,351.76	3,351.79	0.00	0.00	0.00
11,900.00	90.00	89.83	9,360.00	16.14	3,451.76	3,451.79	0.00	0.00	0.00
12,000.00	90.00	89.83	9,360.00	16.44	3,551.76	3,551.79	0.00	0.00	0.00
12,100.00	90.00	89.83	9,360.00	16.74	3,651.75	3,651.79	0.00	0.00	0.00
12,200.00	90.00	89.83	9,360.00	17.04	3,751.75	3,751.79	0.00	0.00	0.00
12,300.00	90.00	89.83	9,360.00	17.33	3,851.75	3,851.79	0.00	0.00	0.00
12,400.00	90.00	89.83	9,360.00	17.63	3,951.75	3,951.79	0.00	0.00	0.00
12,500.00	90.00	89.83	9,360.00	17.93	4,051.75	4,051.79	0.00	0.00	0.00
12,600.00	90.00	89.83	9,360.00	18.23	4,151.75	4,151.79	0.00	0.00	0.00
12,700.00	90.00	89.83	9,360.00	18.53	4,251.75	4,251.79	0.00	0.00	0.00
12,800.00	90.00	89.83	9,360.00	18.83	4,351.75	4,351.79	0.00	0.00	0.00
12,900.00	90.00	89.83	9,360.00	19.12	4,451.75	4,451.79	0.00	0.00	0.00
13,000.00	90.00	89.83	9,360.00	19.42	4,551.75	4,551.79	0.00	0.00	0.00
13,100.00	90.00	89.83	9,360.00	19.72	4,651.75	4,651.79	0.00	0.00	0.00
13,200.00	90.00	89.83	9,360.00	20.02	4,751.75	4,751.79	0.00	0.00	0.00
13,300.00	90.00	89.83	9,360.00	20.32	4,851.75	4,851.79	0.00	0.00	0.00
13,400.00	90.00	89.83	9,360.00	20.61	4,951.75	4,951.79	0.00	0.00	0.00
13,500.00	90.00	89.83	9,360.00	20.91	5,051.75	5,051.79	0.00	0.00	0.00
13,600.00	90.00	89.83	9,360.00	21.21	5,151.75	5,151.79	0.00	0.00	0.00
13,700.00	90.00	89.83	9,360.00	21.51	5,251.75	5,251.79	0.00	0.00	0.00
13,800.00	90.00	89.83	9,360.00	21.81	5,351.75	5,351.79	0.00	0.00	0.00
13,900.00	90.00	89.83	9,360.00	22.11	5,451.75	5,451.79	0.00	0.00	0.00
14,000.00	90.00	89.83	9,360.00	22.40	5,551.75	5,551.79	0.00	0.00	0.00



Dixon Directional

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.1 Dixon Directional PBEX Lea County, NM (N83 - NME) Bond South Pad - Phase 1 (01) Bond 33-34 FED COM 207H 207H Plan 2	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well (01) Bond 33-34 FED COM 207H RKB - 30.5 @ 3718.11usft RKB - 30.5 @ 3718.11usft Grid Minimum Curvature
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Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,100.00	90.00	89.83	9,360.00	22.70	5,651.75	5,651.79	0.00	0.00	0.00
14,200.00	90.00	89.83	9,360.00	23.00	5,751.75	5,751.79	0.00	0.00	0.00
14,300.00	90.00	89.83	9,360.00	23.30	5,851.75	5,851.79	0.00	0.00	0.00
14,400.00	90.00	89.83	9,360.00	23.60	5,951.74	5,951.79	0.00	0.00	0.00
14,500.00	90.00	89.83	9,360.00	23.90	6,051.74	6,051.79	0.00	0.00	0.00
14,600.00	90.00	89.83	9,360.00	24.19	6,151.74	6,151.79	0.00	0.00	0.00
14,700.00	90.00	89.83	9,360.00	24.49	6,251.74	6,251.79	0.00	0.00	0.00
14,800.00	90.00	89.83	9,360.00	24.79	6,351.74	6,351.79	0.00	0.00	0.00
14,900.00	90.00	89.83	9,360.00	25.09	6,451.74	6,451.79	0.00	0.00	0.00
15,000.00	90.00	89.83	9,360.00	25.39	6,551.74	6,551.79	0.00	0.00	0.00
15,100.00	90.00	89.83	9,360.00	25.68	6,651.74	6,651.79	0.00	0.00	0.00
15,200.00	90.00	89.83	9,360.00	25.98	6,751.74	6,751.79	0.00	0.00	0.00
15,300.00	90.00	89.83	9,360.00	26.28	6,851.74	6,851.79	0.00	0.00	0.00
15,400.00	90.00	89.83	9,360.00	26.58	6,951.74	6,951.79	0.00	0.00	0.00
15,500.00	90.00	89.83	9,360.00	26.88	7,051.74	7,051.79	0.00	0.00	0.00
15,600.00	90.00	89.83	9,360.00	27.18	7,151.74	7,151.79	0.00	0.00	0.00
15,700.00	90.00	89.83	9,360.00	27.47	7,251.74	7,251.79	0.00	0.00	0.00
15,800.00	90.00	89.83	9,360.00	27.77	7,351.74	7,351.79	0.00	0.00	0.00
15,900.00	90.00	89.83	9,360.00	28.07	7,451.74	7,451.79	0.00	0.00	0.00
16,000.00	90.00	89.83	9,360.00	28.37	7,551.74	7,551.79	0.00	0.00	0.00
16,100.00	90.00	89.83	9,360.00	28.67	7,651.74	7,651.79	0.00	0.00	0.00
16,200.00	90.00	89.83	9,360.00	28.96	7,751.74	7,751.79	0.00	0.00	0.00
16,300.00	90.00	89.83	9,360.00	29.26	7,851.74	7,851.79	0.00	0.00	0.00
16,400.00	90.00	89.83	9,360.00	29.56	7,951.74	7,951.79	0.00	0.00	0.00
16,500.00	90.00	89.83	9,360.00	29.86	8,051.74	8,051.79	0.00	0.00	0.00
16,600.00	90.00	89.83	9,360.00	30.16	8,151.74	8,151.79	0.00	0.00	0.00
16,700.00	90.00	89.83	9,360.00	30.46	8,251.73	8,251.79	0.00	0.00	0.00
16,800.00	90.00	89.83	9,360.00	30.75	8,351.73	8,351.79	0.00	0.00	0.00
16,900.00	90.00	89.83	9,360.00	31.05	8,451.73	8,451.79	0.00	0.00	0.00
17,000.00	90.00	89.83	9,360.00	31.35	8,551.73	8,551.79	0.00	0.00	0.00
17,100.00	90.00	89.83	9,360.00	31.65	8,651.73	8,651.79	0.00	0.00	0.00
17,200.00	90.00	89.83	9,360.00	31.95	8,751.73	8,751.79	0.00	0.00	0.00
17,300.00	90.00	89.83	9,360.00	32.24	8,851.73	8,851.79	0.00	0.00	0.00
17,400.00	90.00	89.83	9,360.00	32.54	8,951.73	8,951.79	0.00	0.00	0.00
17,500.00	90.00	89.83	9,360.00	32.84	9,051.73	9,051.79	0.00	0.00	0.00
17,600.00	90.00	89.83	9,360.00	33.14	9,151.73	9,151.79	0.00	0.00	0.00
17,700.00	90.00	89.83	9,360.00	33.44	9,251.73	9,251.79	0.00	0.00	0.00
17,800.00	90.00	89.83	9,360.00	33.74	9,351.73	9,351.79	0.00	0.00	0.00
17,900.00	90.00	89.83	9,360.00	34.03	9,451.73	9,451.79	0.00	0.00	0.00
18,000.00	90.00	89.83	9,360.00	34.33	9,551.73	9,551.79	0.00	0.00	0.00
18,100.00	90.00	89.83	9,360.00	34.63	9,651.73	9,651.79	0.00	0.00	0.00
18,200.00	90.00	89.83	9,360.00	34.93	9,751.73	9,751.79	0.00	0.00	0.00
18,300.00	90.00	89.83	9,360.00	35.23	9,851.73	9,851.79	0.00	0.00	0.00
18,400.00	90.00	89.83	9,360.00	35.53	9,951.73	9,951.79	0.00	0.00	0.00
18,500.00	90.00	89.83	9,360.00	35.82	10,051.73	10,051.79	0.00	0.00	0.00
18,600.00	90.00	89.83	9,360.00	36.12	10,151.73	10,151.79	0.00	0.00	0.00
18,700.00	90.00	89.83	9,360.00	36.42	10,251.73	10,251.79	0.00	0.00	0.00
18,800.00	90.00	89.83	9,360.00	36.72	10,351.73	10,351.79	0.00	0.00	0.00
18,900.00	90.00	89.83	9,360.00	37.02	10,451.72	10,451.79	0.00	0.00	0.00
19,000.00	90.00	89.83	9,360.00	37.31	10,551.72	10,551.79	0.00	0.00	0.00
19,100.00	90.00	89.83	9,360.00	37.61	10,651.72	10,651.79	0.00	0.00	0.00
19,200.00	90.00	89.83	9,360.00	37.91	10,751.72	10,751.79	0.00	0.00	0.00
19,300.00	90.00	89.83	9,360.00	38.21	10,851.72	10,851.79	0.00	0.00	0.00
19,400.00	90.00	89.83	9,360.00	38.51	10,951.72	10,951.79	0.00	0.00	0.00



Dixon Directional

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.1 Dixon Directional PBEX Lea County, NM (N83 - NME) Bond South Pad - Phase 1 (01) Bond 33-34 FED COM 207H 207H Plan 2	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well (01) Bond 33-34 FED COM 207H RKB - 30.5 @ 3718.11usft RKB - 30.5 @ 3718.11usft Grid Minimum Curvature
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Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,500.00	90.00	89.83	9,360.00	38.81	11,051.72	11,051.79	0.00	0.00	0.00	
19,600.00	90.00	89.83	9,360.00	39.10	11,151.72	11,151.79	0.00	0.00	0.00	
19,700.00	90.00	89.83	9,360.00	39.40	11,251.72	11,251.79	0.00	0.00	0.00	
19,800.00	90.00	89.83	9,360.00	39.70	11,351.72	11,351.79	0.00	0.00	0.00	
19,900.00	90.00	89.83	9,360.00	40.00	11,451.72	11,451.79	0.00	0.00	0.00	
20,000.00	90.00	89.83	9,360.00	40.30	11,551.72	11,551.79	0.00	0.00	0.00	
20,100.00	90.00	89.83	9,360.00	40.59	11,651.72	11,651.79	0.00	0.00	0.00	
20,181.28	90.00	89.83	9,360.00	40.84	11,733.00	11,733.07	0.00	0.00	0.00	
TD at 20181.28										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/S (usft)	+E/W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target	0.00	0.00	9,360.00	40.84	11,733.00	619,314.45	722,093.35	32.70116097	-103.74571610	
- Shape										
PBHL - v1 - (01) Bond 3: - plan hits target center - Point	0.00	0.00	9,360.00	40.66	11,683.00	619,314.27	722,043.35	32.70116124	-103.74587864	
LTP - v1 - (01) Bond 32-: - plan misses target center by 31.28usft at 20100.00usft MD (9360.00 TVD, 40.59 N, 11651.72 E) - Point	0.00	0.00	9,360.00							
FTP/PP - v1 - (01) Bond - plan hits target center - Point	0.00	0.00	9,360.00	9.79	1,320.88	619,283.40	711,681.23	32.70122964	-103.77956387	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			Comment
		+N/S (usft)	+E/W (usft)		
3,500.00	3,500.00	0.00	0.00		Start Build 2.00
4,173.32	4,167.14	0.85	78.76		Start 2535.42 hold at 4173.32 MD
6,708.75	6,632.86	7.23	669.17		Start Drop -2.00
7,382.07	7,300.00	8.08	747.92		Start 1487.04 hold at 7382.07 MD
8,869.11	8,787.04	8.08	747.92		Start Build 10.00
9,769.11	9,360.00	9.79	1,320.88		Start 10412.17 hold at 9769.11 MD
20,181.28	9,360.00	40.84	11,733.00		TD at 20181.28

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 539502

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 539502
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 539502

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 539502
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
mikahthomas	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/2/2026
mikahthomas	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	1/2/2026
jeffrey.harrison	All conducted logs must be submitted to the OCD.	1/2/2026
jeffrey.harrison	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	1/2/2026
jeffrey.harrison	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.	1/2/2026
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	1/2/2026
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	1/2/2026
jeffrey.harrison	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	1/2/2026
jeffrey.harrison	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	1/2/2026