

Form 3160-3
(October 2024)FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No. Bond 33 34 Federal Com 211H # & Name Changed by NOI (attached)
3a. Address	3b. Phone No. (include area code)	9. API Well No. 30-025-55719
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		10. Field and Pool, or Exploratory
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		12. County or Parish
16. No of acres in lease		13. State
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		
Office		
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Conditions of approval, if any, are attached.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 09/23/2025

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 connects this information to an 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 / 1605 FSL / 1218 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.701167 / LONG: -103.783848 (TVD: 0 feet, MD: 0 feet)
PPP: SWNE / 2178 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.705294 / LONG: -103.788148 (TVD: 8450 feet, MD: 9268 feet)
PPP: SWNW / 2178 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7052779 / LONG: -103.7798902 (TVD: 8450 feet, MD: 11803 feet)
PPP: SENW / 2178 FNL / 1320 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7052426 / LONG: -103.7623439 (TVD: 8450 feet, MD: 17200 feet)
PPP: SWNE / 2178 FNL / 2635 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.705261 / LONG: -103.7713229 (TVD: 8450 feet, MD: 14438 feet)
BHL: SENE / 2178 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.705207 / LONG: -103.745591 (TVD: 8450 feet, MD: 22353 feet)

BLM Point of Contact

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

CONFIDENTIAL

**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		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☒ None	☒ Flex Hose	☒ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef None	☐ WIPP
Other	Pilot Hole None	☐ Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention Waste MP	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ 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: 04/02/2025

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:



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

Application Data

11/30/2025

APD ID: 10400103891

Submission Date: 03/17/2025

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 103H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400103891

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: 103H

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:** 103H**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 32-34 FED COM SOUTH**Number:** 2**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:** 1218 FT**Reservoir well spacing assigned acres Measurement:** 800 Acres**Well plat:** 24_041778_BOND_FED_COM_103H_C102_20250403063820.pdf

24_041778_BOND_FED_COM_103H_C102_Add_Pool_20250403063824.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	1605	FSL	1218	FEL	18S	32E	32	Aliquot NESE	32.701167	-103.783848	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	3686			Y
KOP Leg #1	1605	FSL	1218	FEL	18S	32E	32	Aliquot NESE	32.701167	-103.783848	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	-4191	8350	7877	Y

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 103H

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
PPP Leg #1-1	2178	FNL	2540	FEL	18S	32E	32	Aliquot SWNE	32.705294	- 103.788148	LEA	NEW MEXICO	NEW MEXICO	S	STATE	- 4764	9268	8450	Y
PPP Leg #1-2	2178	FNL	2540	FEL	18S	32E	33	Aliquot SWNW	32.705279	- 103.7798902	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18232	- 4764	11803	8450	Y
PPP Leg #1-3	2178	FNL	2635	FWL	18S	32E	33	Aliquot SWNE	32.705261	- 103.7713229	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 0556094	- 4764	14438	8450	Y
PPP Leg #1-4	2178	FNL	1320	FWL	18S	32E	34	Aliquot SENW	32.7052426	- 103.7623439	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4764	17200	8450	Y
EXIT Leg #1	2178	FNL	100	FEL	18S	32E	34	Aliquot SENE	32.705207	- 103.745884	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4764	22263	8450	Y
BHL Leg #1	2178	FNL	10	FEL	18S	32E	34	Aliquot SENE	32.705207	- 103.745591	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 18302	- 4764	22353	8450	Y

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

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION

API Number	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code	Property Name BOND 32-34 FED COM	Well Number 103H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,686.37'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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Bottom Hole Location

UL H	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 2,178' FNL	Ft. from E/W 10' FEL	Latitude 32.705207°	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: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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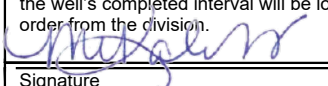
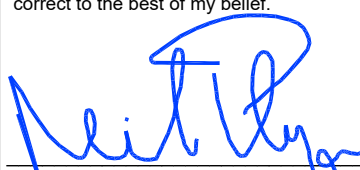
First Take Point (FTP)

UL G	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 2,178' FNL	Ft. from E/W 2,540' FEL	Latitude 32.705294°	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 2,178' FNL	Ft. from E/W 100' FEL	Latitude 32.705207°	Longitude -103.745884°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,686.37
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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		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	
Printed Name Mikah Thomas		Certificate Number 29796	Date of Survey 11/14/2024
Email Address mikah@pbex.com			

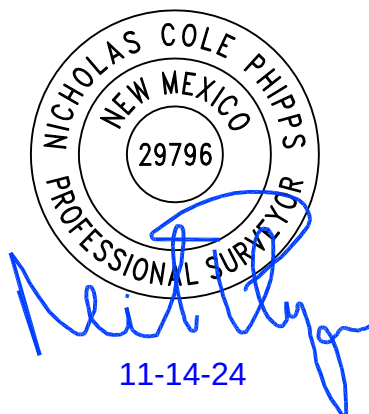
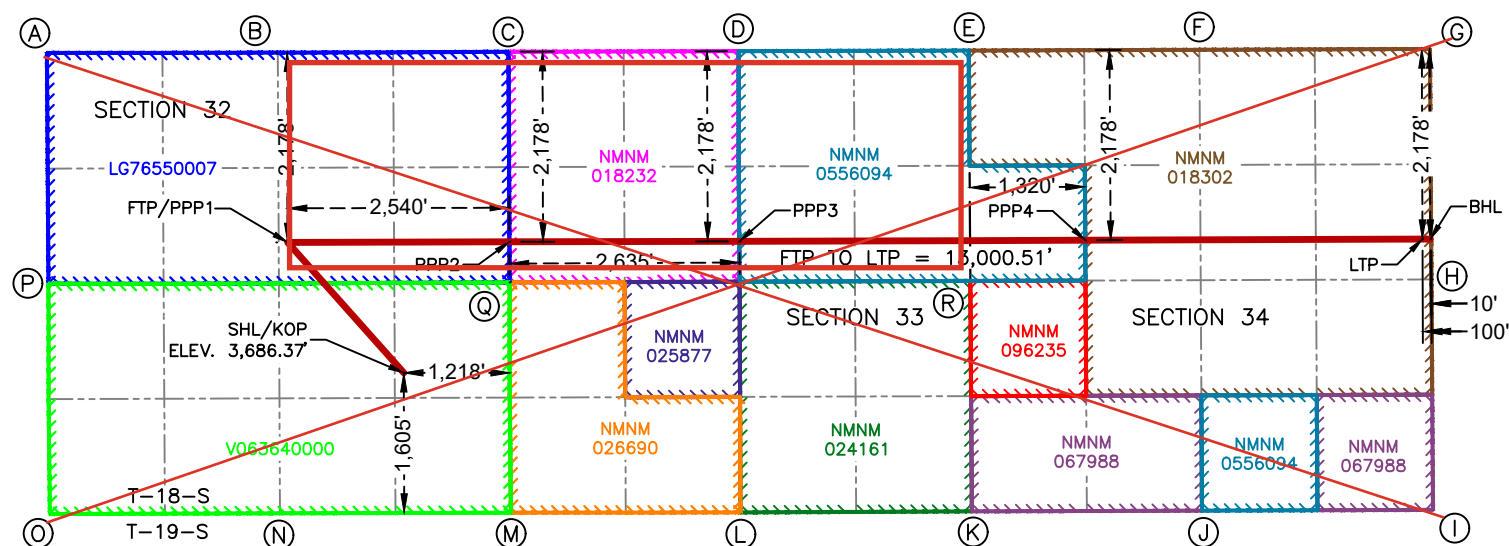
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

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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
1,605' FSL & 1,218' FEL
ELEV. = 3,686.37'

NAD 83 X = 710,363.36'
NAD 83 Y = 619,253.85'
NAD 83 LAT = 32.701167°
NAD 83 LONG = -103.783848°

FIRST TAKE POINT &
PENETRATION POINT 1
2,178' FNL & 2,540' FEL

NAD 83 X = 709,033.16'
NAD 83 Y = 620,748.25'
NAD 83 LAT = 32.705294°
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PENETRATION POINT 2
2,178' FNL & 0' FWL

NAD 83 X = 711,573.16'
NAD 83 Y = 620,755.14'
NAD 83 LAT = 32.705276°
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PENETRATION POINT 3
2,178' FNL & 2,635' FWL

NAD 83 X = 714,208.49'
NAD 83 Y = 620,761.96'
NAD 83 LAT = 32.705257°
NAD 83 LONG = -103.771323°

PENETRATION POINT 4
2,178' FNL & 1,320' FWL
NAD 83 X = 718,170.32'
NAD 83 Y = 620,773.24'
NAD 83 LAT = 32.705230°
NAD 83 LONG = -103.758443°

LAST TAKE POINT
2,178' FNL & 100' FEL
NAD 83 X = 722,033.62'
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2,178' FNL & 10' FEL
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CORNER COORDINATES NEW MEXICO EAST - NAD 83	
A	N:622,919.18' E:706,274.71'
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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'
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P	N:620,268.56' E:706,292.10'
Q	N:620,290.05' E:711,575.35'
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C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
		☐ 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 103H
OGRID No. 332544	Operator Name PBEX Operations, LLC	Ground Level Elevation 3,686.37'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) Y	Consolidation Code n/a
Order Numbers. R-23685			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

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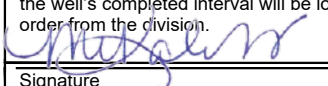
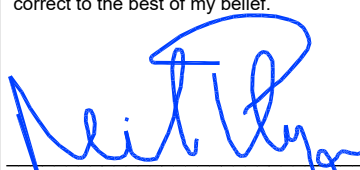
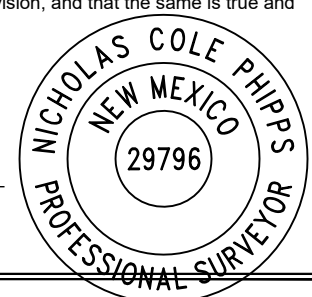
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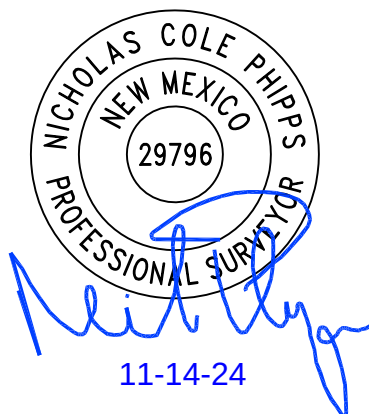
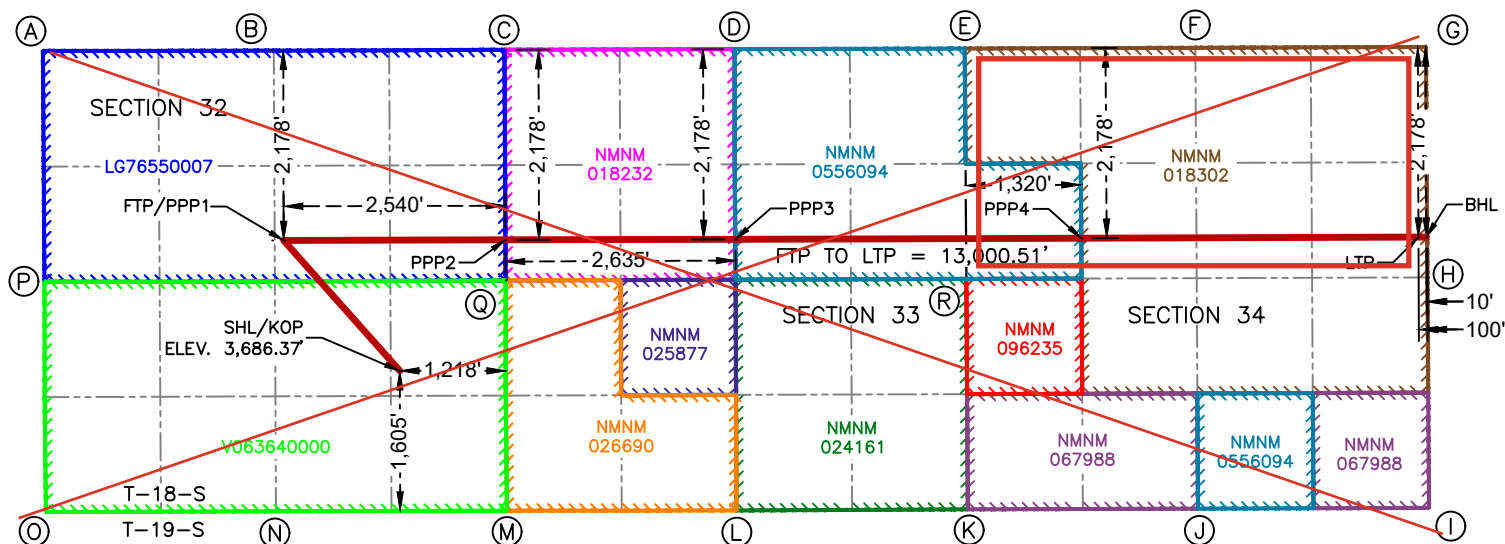
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Q	N:620,290.05' E:711,575.35'
R	N:620,307.39' E:716,853.63'



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

Drilling Plan Data Report

11/30/2025

APD ID: 10400103891

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: 103H

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 Formatio
16446915	QUATERNARY	3695	0	0	ALLUVIUM	NONE	N
16446917	RUSTLER	2545	1150	1150	ANHYDRITE, LIMESTONE, SALT	NONE	N
16446918	TOP OF SALT	2265	1430	1430	ANHYDRITE, SALT	NONE	N
16446919	BASE OF SALT	1520	2175	2185	ANHYDRITE, SALT	NONE	N
16446934	YATES	823	2872	2872	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446935	SEVEN RIVERS	500	3195	3215	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446936	QUEEN	-80	3775	3805	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446938	SAN ANDRES	-570	4265	4295	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
16446923	CHERRY CANYON	-920	4615	4655	LIMESTONE, SANDSTONE, SHALE	NONE	N
16446924	BRUSHY CANYON	-1350	5045	5085	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446925	BONE SPRING LIME	-3274	6969	6999	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446926	AVALON SAND	-3495	7190	7230	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446939	BONE SPRING 1ST	-4625	8320	8370	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
16446940	BONE SPRING 2ND	-4930	8625	8685	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446941	BONE SPRING 2ND	-5195	8890	8950	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446942	BONE SPRING 3RD	-5735	9430	9500	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
16446943	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: 103H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16446944	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	3686	2376	1310	J-55	54.5	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4000	0	3970	3643	-284	4000	J-55	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6
3	INTERMEDIATE	12.25	9.625	NEW	API	N	4000	4535	3970	4505	-284	-819	535	HCL-80	40	BUTT	1.125	1.125	BUOY	1.6	BUOY	1.6

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 103H

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	22353	0	8450	3643	-4764	22353	P- 110	20	OTHER - CDC HTQ	1.12 5	1.12 5	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- 13.375_54.5000_0.3800_J55_data_sheet_20250303070029.pdf
- Casing_Design_Assmpt_3_string_casing_20250303070036.pdf

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- Data_Sheet_9.625_Inch_40.00__J55_BTC_SEAH_20250303070056.pdf
- Casing_Design_Assmpt_3_string_casing_20250303070059.pdf

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 103H

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_20250303070123.pdf

Casing_Design_Assmpt_3_string_casing_20250303070138.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:** 103H

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	22353	2700	1.68	13	4535.9	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	22353	OIL-BASED MUD	9.7	9.7							

Operator Name: PBEX OPERATIONS LLC**Well Name:** BOND 32-34 FED COM**Well Number:** 103H

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: 5493**Anticipated Surface Pressure:** 3634**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_Contengency_Plan_20241229103612.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

BOND_32_34_FED_COM__103H__Plan_1__20250303070456.pdf

BOND_32_34_FED_COM__103H__Plan_1_AC_Report_20250303070459.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_Operations__LLC_NGMP_Best_Practices_20250212141054.pdf

Wellhead_Schematic_9.625_10M_3T_20250212135648.pdf

Bond_32_34_FED_COM__103H_Drill_Plan_v4_20250303070428.pdf

PBEX_NM_Curve_volumes_1BSS_20250303070435.pdf

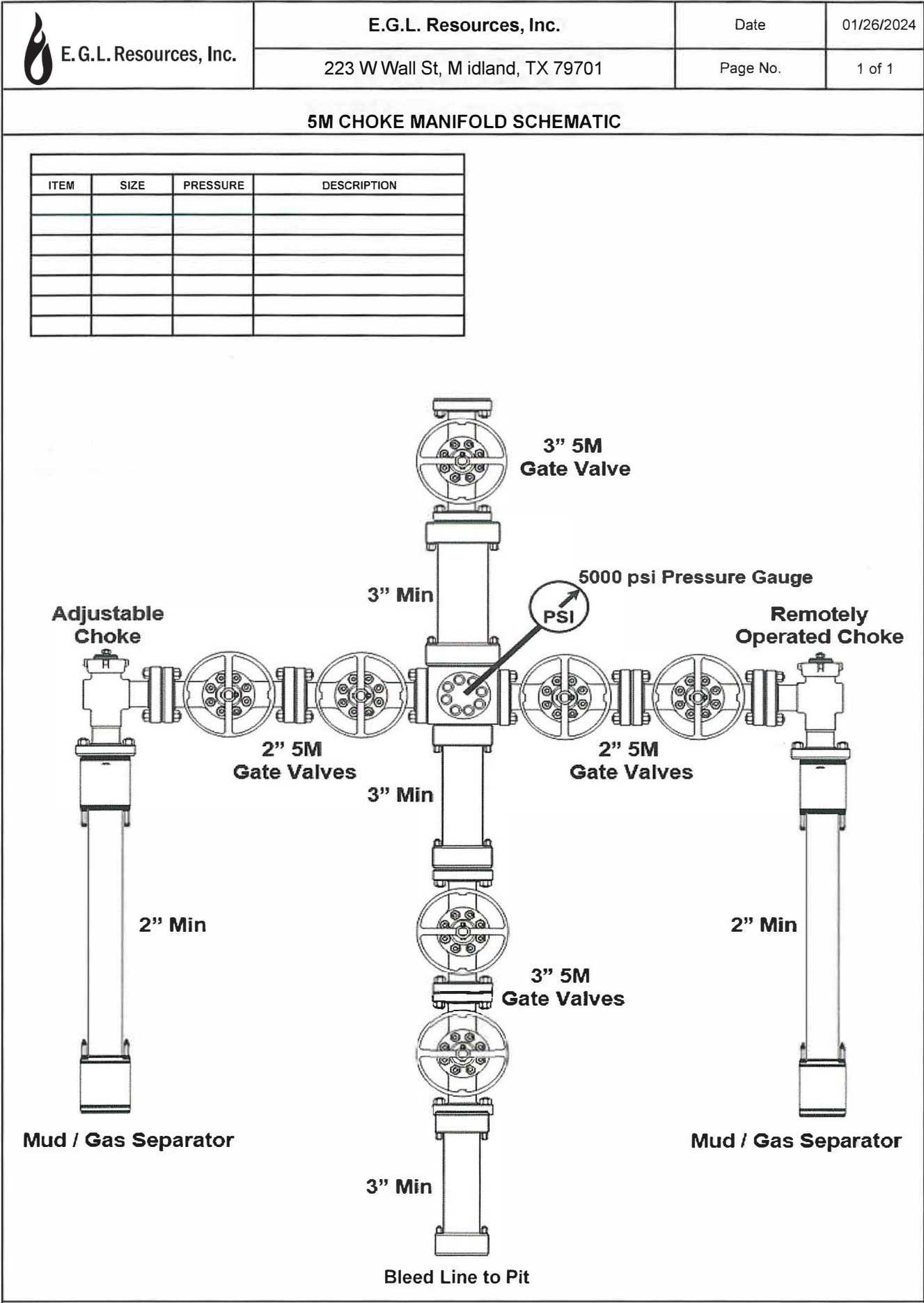
Other Variance request(s)?: N**Other Variance attachment:**

Operator Name: PBEX OPERATIONS LLC

Well Name: BOND 32-34 FED COM

Well Number: 103H

CONFIDENTIAL





E. G. L. Resources, Inc.

E.G.L. Resources, Inc.

Date

1/26/2024

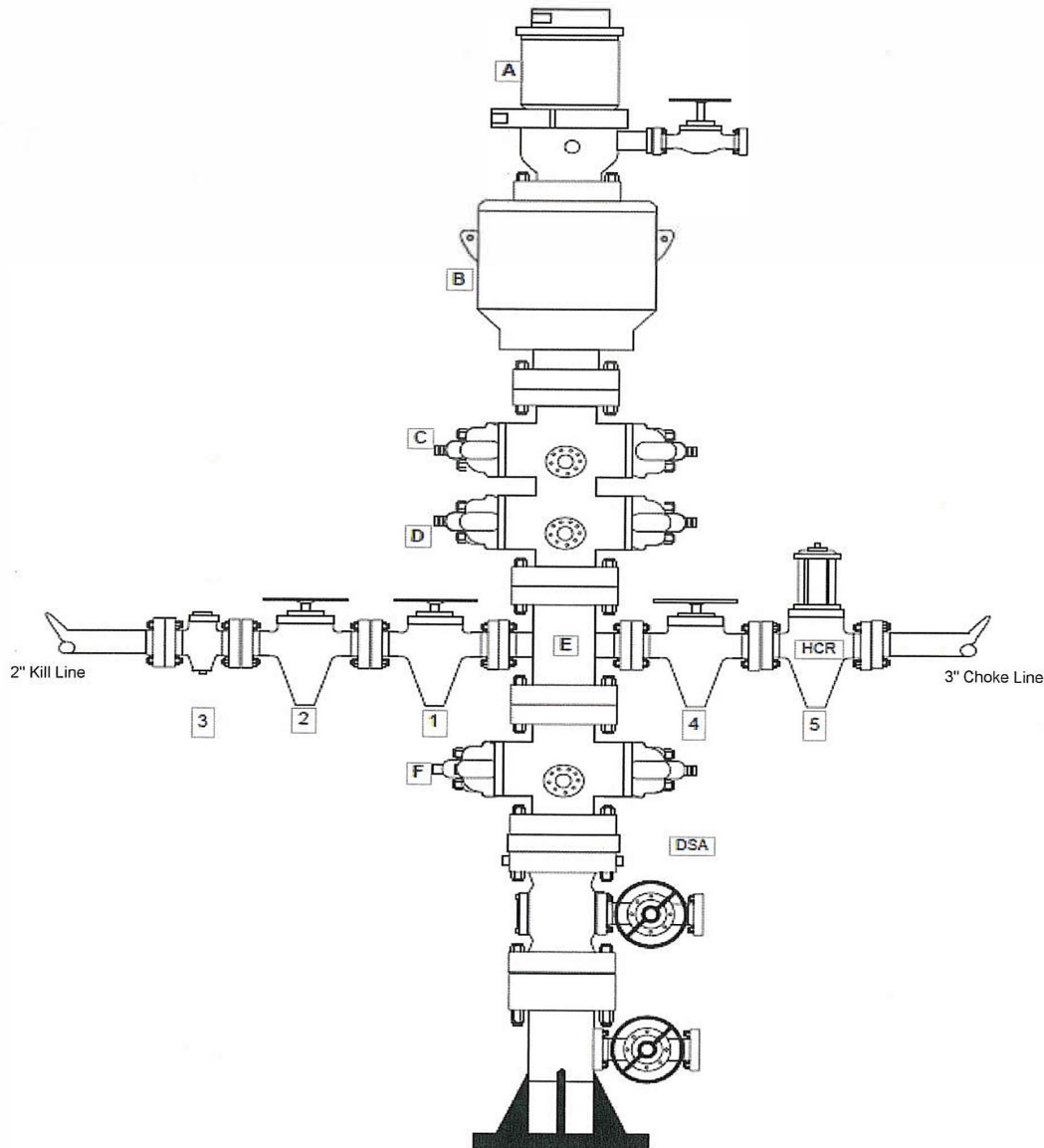
223 W Wall St, Midland, TX 79701

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

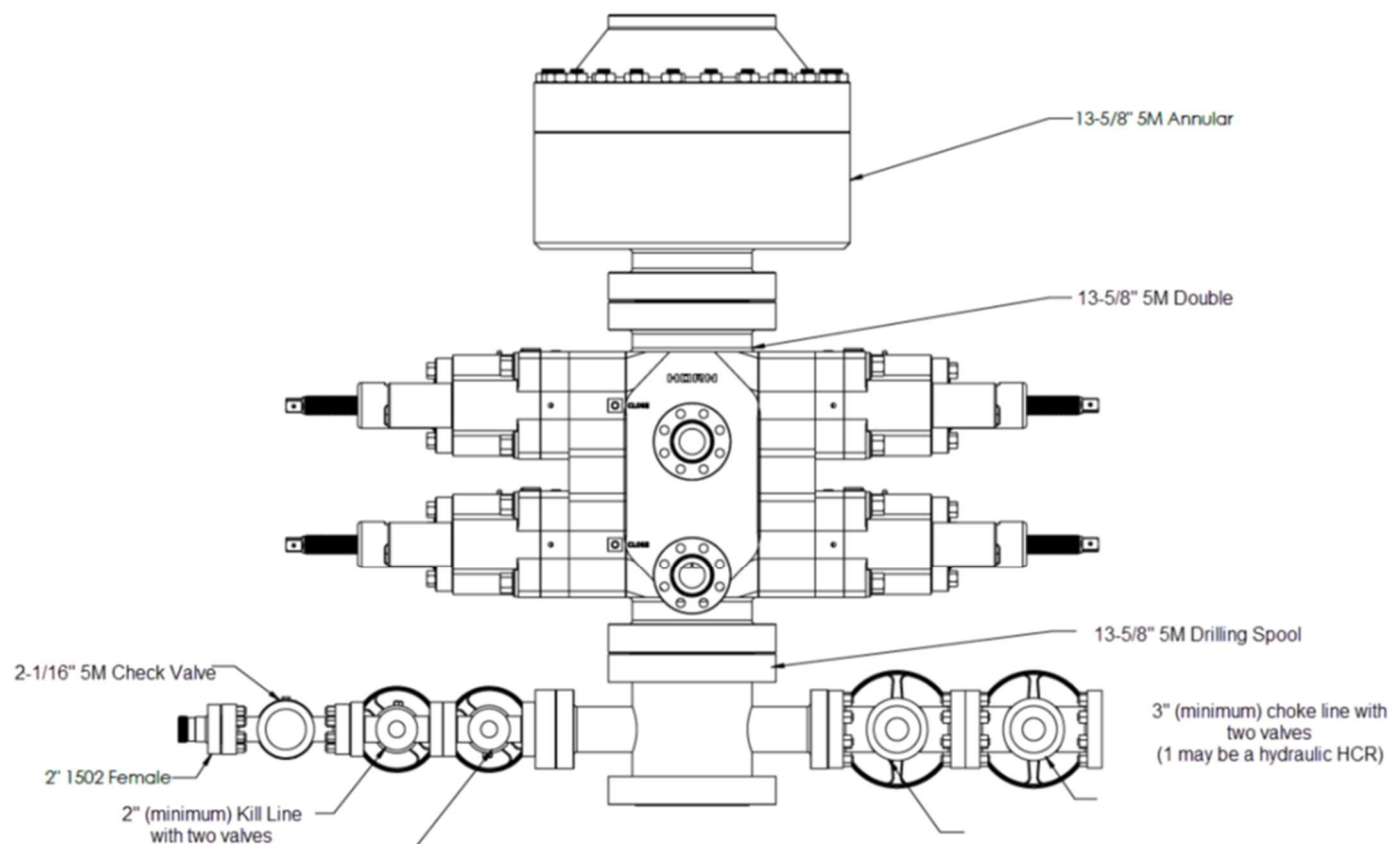
**KILL LINE**

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: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but to exceed 70% of the minimum internal yield.
- 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: $DF_C = 1.125$

- 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 (0.688 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	--

UNCONTROLLED

Notes

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Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com



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.

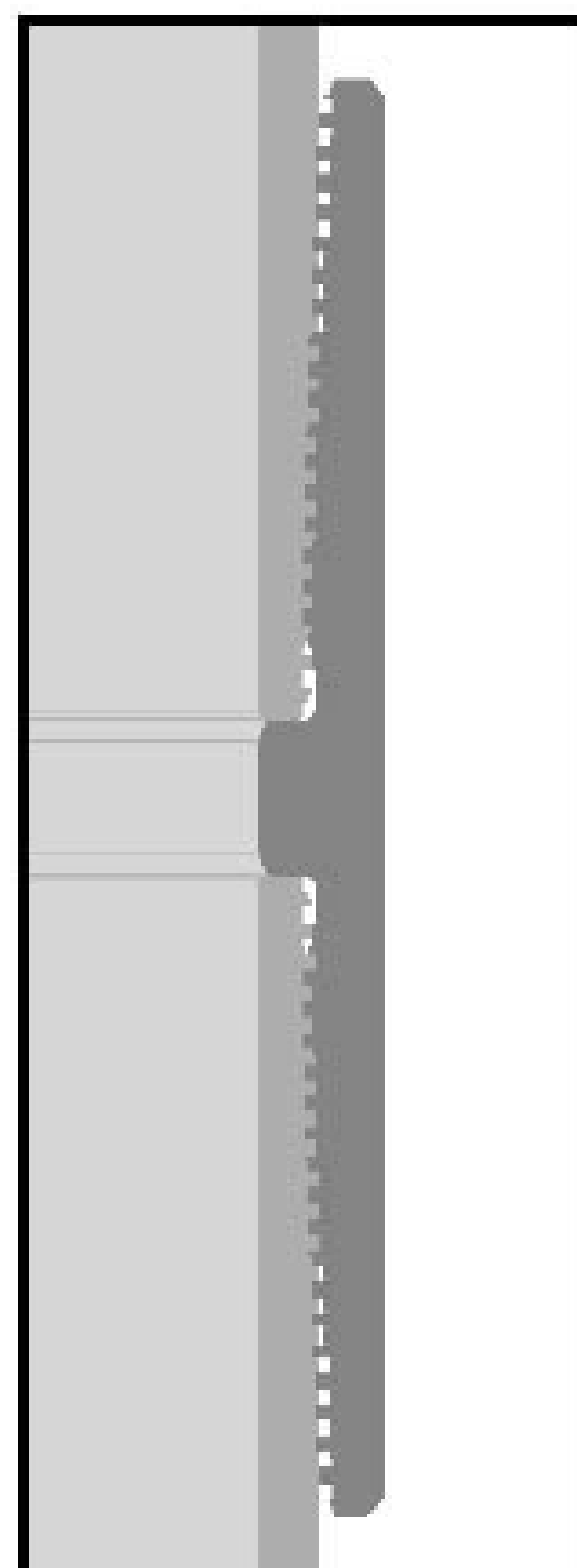
Technical Specifications

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
DWC/C-IS PLUS Casing standard	5-1/2 in	20.00 lb/ft (0.361 in)	VST P110 EC

VST P110 EC	Material
125,000	Grade
135,000	Minimum Yield Strength (psi)
	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)



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Houston, TX 77041
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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.

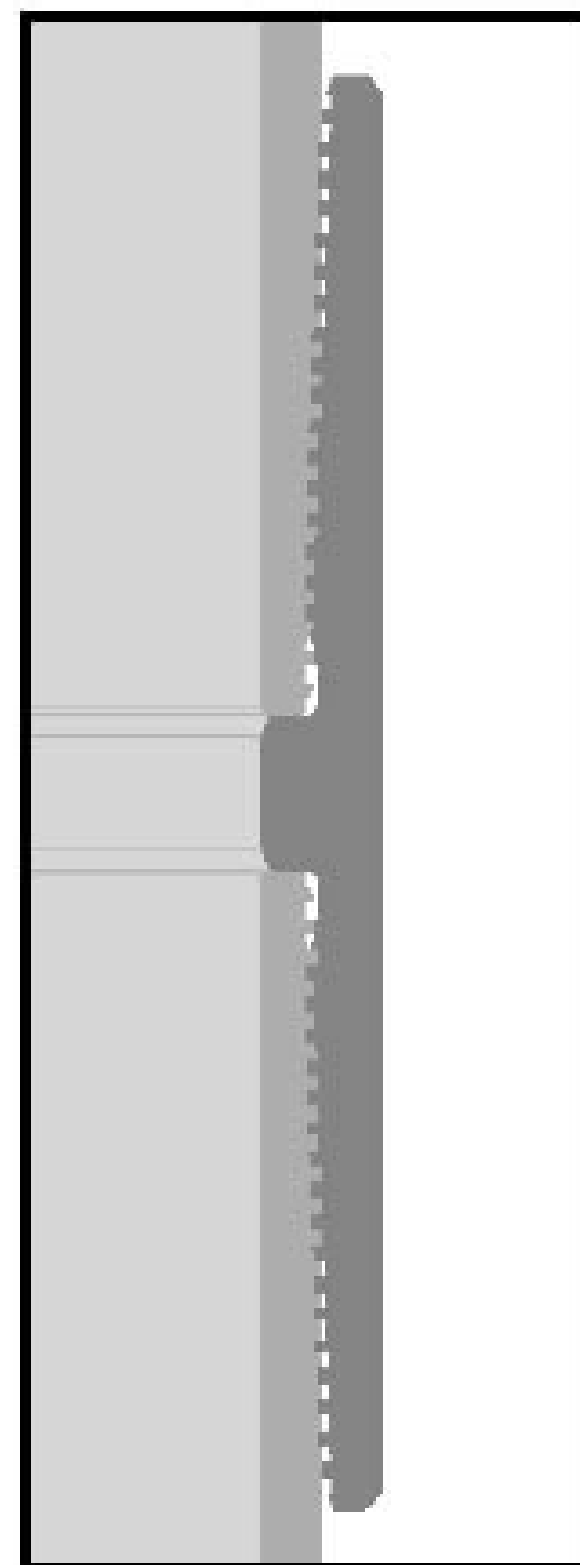
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2/6/2015



DWC Connection Data Notes:

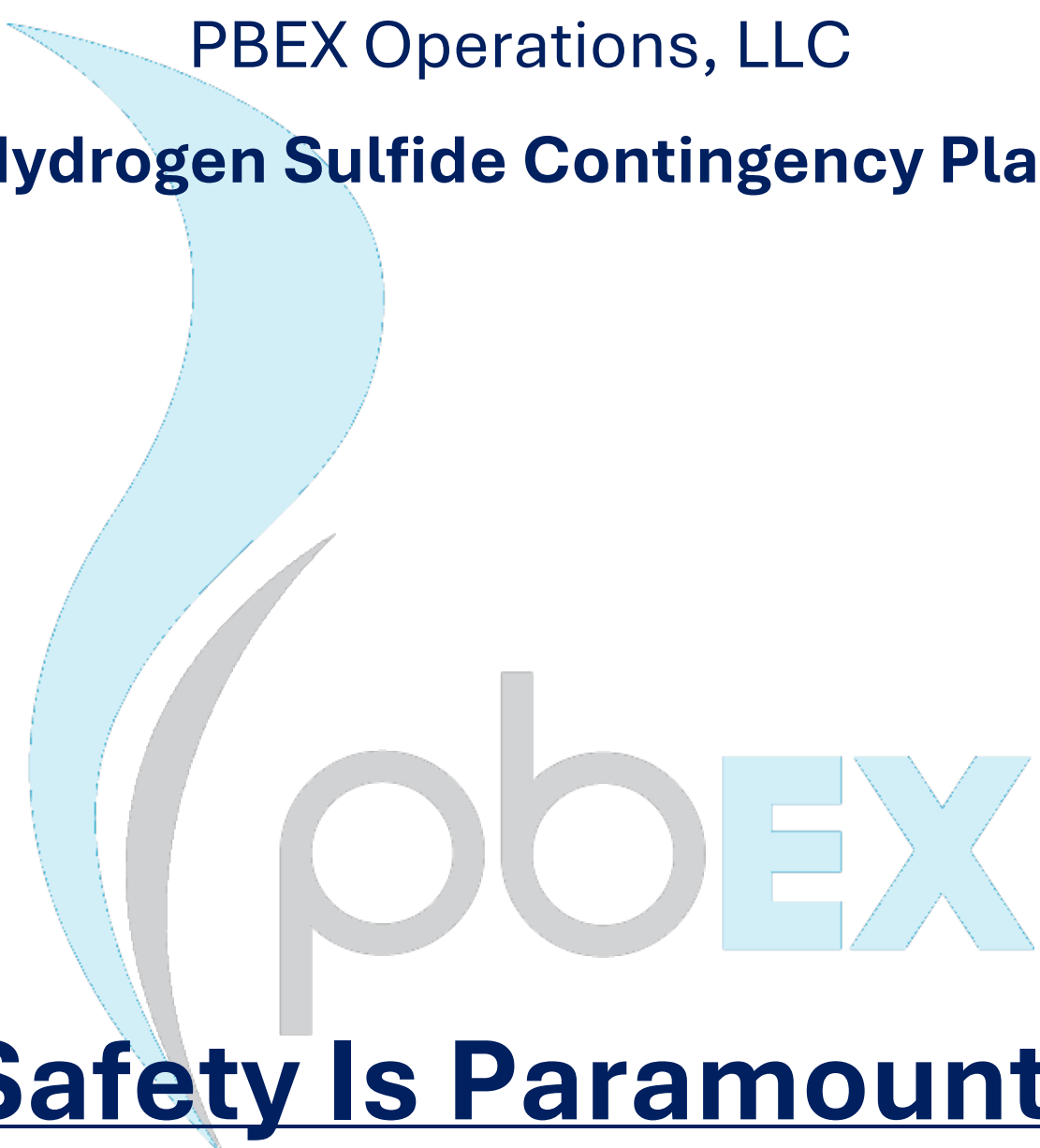
1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection 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.



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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2/6/2015



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 up-wind 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/TRAILERS
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:	a. Be alert for a condition change.
	b. Check all safety equipment for availability and proper functioning.
	c. Perform all drills for familiarization and proficiency.
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:	a. Be alert for a condition change.
	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.
	<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.
	c. All In-Scope Personnel will proceed directly to the appropriate muster area.
	d. Remain in muster area, take roll call and wait for instructions
	e. Contact the H ₂ S Safety Company Representative if not on location.
	f. Personnel shall ensure that their breathing apparatus is properly fitted and operational before entering an H ₂ S contaminated area to provide assistance to anyone who may be injured or overcome by toxic gases.
	g. All Out of Scope Personnel will report to the appropriate muster area.
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:	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.
	<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.
	b. All In-Scope Personnel should don SCBA if nearby and immediately proceed to muster area. If SCBA is not nearby at time of alarm, DO NOT GO TOWARDS RIG AREA, but proceed directly to the muster area.
	c. All Out of Scope Personnel shall go to the muster area and then evacuate the location as applicable.
	d. Remain in the muster area, take roll call, and wait for instructions.
	e. Contact H ₂ S Safety Company Representative
	f. On-site personnel shall ensure that their breathing apparatus is properly fitted and operational before entering an H ₂ S contaminated area to provide assistance to anyone who may be injured or overcome by toxic gases. Use the buddy system.
	g. A cascade breathing air systems shall be utilized to conduct any additional on rig work required to correct the H ₂ S release condition.
	h. If well is ignited do not assume area is safe. SO ₂ is hazardous and not all H ₂ S will burn.

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

- All respirators will be used and maintained in conformance with ANSI Z88.2, American National Standard for respiratory protection.
- PPE must be provided and used.
- 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.
- 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.
- 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 ₁	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

- 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.
- 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

- Hydrogen Sulfide (H₂S) is a colorless, transparent, flammable gas. It is heavier than air and may accumulate in low places.
- 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:

SO2 CONCENTRATION		
% SO2	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 #103H

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 #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	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 #103H					
Well Position	+N/-S	0.00 usft	Northing:	619,253.85 usft	Latitude:	32.70116726
	+E/-W	0.00 usft	Easting:	710,363.36 usft	Longitude:	-103.78384845
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,686.37 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	47,436.40000000

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	22,353.20 Plan 1 (Wellbore #1)	MWD+IFR1+MS		
			OWSG MWD + IFR1 + Multi-St		



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,741.09	24.82	305.26	2,702.63	152.77	-216.11	2.00	2.00	0.00	305.26	
7,032.26	24.82	305.26	6,597.37	1,192.63	-1,687.09	0.00	0.00	0.00	0.00	
8,273.34	0.00	0.00	7,800.00	1,345.40	-1,903.20	2.00	-2.00	0.00	180.00	
8,350.38	0.00	0.00	7,877.04	1,345.40	-1,903.20	0.00	0.00	0.00	0.00	
9,250.38	90.00	79.60	8,450.00	1,448.83	-1,339.66	10.00	10.00	0.00	79.60	
9,762.00	90.00	89.83	8,450.00	1,495.88	-830.89	2.00	0.00	2.00	90.00	
22,353.20	90.00	89.83	8,450.00	1,532.72	11,760.26	0.00	0.00	0.00	0.00	BOND 32-34 103H P1



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	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
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
Start Build 2.00									
1,600.00	2.00	305.26	1,599.98	1.01	-1.43	-1.43	2.00	2.00	0.00
1,700.00	4.00	305.26	1,699.84	4.03	-5.70	-5.70	2.00	2.00	0.00
1,800.00	6.00	305.26	1,799.45	9.06	-12.81	-12.81	2.00	2.00	0.00
1,900.00	8.00	305.26	1,898.70	16.09	-22.77	-22.77	2.00	2.00	0.00
2,000.00	10.00	305.26	1,997.47	25.12	-35.54	-35.54	2.00	2.00	0.00
2,100.00	12.00	305.26	2,095.62	36.14	-51.12	-51.12	2.00	2.00	0.00
2,200.00	14.00	305.26	2,193.06	49.12	-69.49	-69.49	2.00	2.00	0.00
2,300.00	16.00	305.26	2,289.64	64.06	-90.62	-90.62	2.00	2.00	0.00
2,400.00	18.00	305.26	2,385.27	80.94	-114.49	-114.49	2.00	2.00	0.00
2,500.00	20.00	305.26	2,479.82	99.73	-141.08	-141.08	2.00	2.00	0.00
2,600.00	22.00	305.26	2,573.17	120.42	-170.34	-170.34	2.00	2.00	0.00
2,700.00	24.00	305.26	2,665.21	142.97	-202.24	-202.24	2.00	2.00	0.00
2,741.09	24.82	305.26	2,702.63	152.77	-216.11	-216.11	2.00	2.00	0.00
Start 4291.17 hold at 2741.09 MD									
2,800.00	24.82	305.26	2,756.10	167.05	-236.30	-236.30	0.00	0.00	0.00
2,900.00	24.82	305.26	2,846.86	191.28	-270.58	-270.58	0.00	0.00	0.00
3,000.00	24.82	305.26	2,937.62	215.51	-304.86	-304.86	0.00	0.00	0.00
3,100.00	24.82	305.26	3,028.38	239.74	-339.14	-339.14	0.00	0.00	0.00
3,200.00	24.82	305.26	3,119.15	263.98	-373.42	-373.42	0.00	0.00	0.00
3,300.00	24.82	305.26	3,209.91	288.21	-407.70	-407.70	0.00	0.00	0.00
3,400.00	24.82	305.26	3,300.67	312.44	-441.98	-441.98	0.00	0.00	0.00
3,500.00	24.82	305.26	3,391.43	336.67	-476.26	-476.26	0.00	0.00	0.00
3,600.00	24.82	305.26	3,482.19	360.91	-510.54	-510.54	0.00	0.00	0.00
3,700.00	24.82	305.26	3,572.96	385.14	-544.82	-544.82	0.00	0.00	0.00
3,800.00	24.82	305.26	3,663.72	409.37	-579.10	-579.10	0.00	0.00	0.00
3,900.00	24.82	305.26	3,754.48	433.60	-613.38	-613.38	0.00	0.00	0.00
4,000.00	24.82	305.26	3,845.24	457.84	-647.66	-647.66	0.00	0.00	0.00
4,100.00	24.82	305.26	3,936.00	482.07	-681.93	-681.93	0.00	0.00	0.00
4,200.00	24.82	305.26	4,026.76	506.30	-716.21	-716.21	0.00	0.00	0.00
4,300.00	24.82	305.26	4,117.53	530.53	-750.49	-750.49	0.00	0.00	0.00
4,400.00	24.82	305.26	4,208.29	554.77	-784.77	-784.77	0.00	0.00	0.00
4,500.00	24.82	305.26	4,299.05	579.00	-819.05	-819.05	0.00	0.00	0.00
4,600.00	24.82	305.26	4,389.81	603.23	-853.33	-853.33	0.00	0.00	0.00
4,700.00	24.82	305.26	4,480.57	627.46	-887.61	-887.61	0.00	0.00	0.00
4,800.00	24.82	305.26	4,571.34	651.70	-921.89	-921.89	0.00	0.00	0.00
4,900.00	24.82	305.26	4,662.10	675.93	-956.17	-956.17	0.00	0.00	0.00
5,000.00	24.82	305.26	4,752.86	700.16	-990.45	-990.45	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	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	24.82	305.26	4,843.62	724.40	-1,024.73	-1,024.73	0.00	0.00	0.00
5,200.00	24.82	305.26	4,934.38	748.63	-1,059.01	-1,059.01	0.00	0.00	0.00
5,300.00	24.82	305.26	5,025.15	772.86	-1,093.29	-1,093.29	0.00	0.00	0.00
5,400.00	24.82	305.26	5,115.91	797.09	-1,127.57	-1,127.57	0.00	0.00	0.00
5,500.00	24.82	305.26	5,206.67	821.33	-1,161.84	-1,161.84	0.00	0.00	0.00
5,600.00	24.82	305.26	5,297.43	845.56	-1,196.12	-1,196.12	0.00	0.00	0.00
5,700.00	24.82	305.26	5,388.19	869.79	-1,230.40	-1,230.40	0.00	0.00	0.00
5,800.00	24.82	305.26	5,478.95	894.02	-1,264.68	-1,264.68	0.00	0.00	0.00
5,900.00	24.82	305.26	5,569.72	918.26	-1,298.96	-1,298.96	0.00	0.00	0.00
6,000.00	24.82	305.26	5,660.48	942.49	-1,333.24	-1,333.24	0.00	0.00	0.00
6,100.00	24.82	305.26	5,751.24	966.72	-1,367.52	-1,367.52	0.00	0.00	0.00
6,200.00	24.82	305.26	5,842.00	990.95	-1,401.80	-1,401.80	0.00	0.00	0.00
6,300.00	24.82	305.26	5,932.76	1,015.19	-1,436.08	-1,436.08	0.00	0.00	0.00
6,400.00	24.82	305.26	6,023.53	1,039.42	-1,470.36	-1,470.36	0.00	0.00	0.00
6,500.00	24.82	305.26	6,114.29	1,063.65	-1,504.64	-1,504.64	0.00	0.00	0.00
6,600.00	24.82	305.26	6,205.05	1,087.88	-1,538.92	-1,538.92	0.00	0.00	0.00
6,700.00	24.82	305.26	6,295.81	1,112.12	-1,573.20	-1,573.20	0.00	0.00	0.00
6,800.00	24.82	305.26	6,386.57	1,136.35	-1,607.48	-1,607.48	0.00	0.00	0.00
6,900.00	24.82	305.26	6,477.33	1,160.58	-1,641.76	-1,641.76	0.00	0.00	0.00
7,000.00	24.82	305.26	6,568.10	1,184.81	-1,676.03	-1,676.03	0.00	0.00	0.00
7,032.26	24.82	305.26	6,597.37	1,192.63	-1,687.09	-1,687.09	0.00	0.00	0.00
Start Drop -2.00									
7,100.00	23.47	305.26	6,659.19	1,208.62	-1,709.72	-1,709.72	2.00	-2.00	0.00
7,200.00	21.47	305.26	6,751.59	1,230.68	-1,740.92	-1,740.92	2.00	-2.00	0.00
7,300.00	19.47	305.26	6,845.28	1,250.87	-1,769.47	-1,769.47	2.00	-2.00	0.00
7,400.00	17.47	305.26	6,940.12	1,269.15	-1,795.34	-1,795.34	2.00	-2.00	0.00
7,500.00	15.47	305.26	7,036.02	1,285.51	-1,818.48	-1,818.48	2.00	-2.00	0.00
7,600.00	13.47	305.26	7,132.84	1,299.93	-1,838.88	-1,838.88	2.00	-2.00	0.00
7,700.00	11.47	305.26	7,230.48	1,312.39	-1,856.51	-1,856.51	2.00	-2.00	0.00
7,800.00	9.47	305.26	7,328.81	1,322.88	-1,871.34	-1,871.34	2.00	-2.00	0.00
7,900.00	7.47	305.26	7,427.71	1,331.38	-1,883.36	-1,883.36	2.00	-2.00	0.00
8,000.00	5.47	305.26	7,527.07	1,337.88	-1,892.56	-1,892.56	2.00	-2.00	0.00
8,100.00	3.47	305.26	7,626.76	1,342.37	-1,898.92	-1,898.92	2.00	-2.00	0.00
8,200.00	1.47	305.26	7,726.67	1,344.86	-1,902.43	-1,902.43	2.00	-2.00	0.00
8,273.34	0.00	0.00	7,800.00	1,345.40	-1,903.20	-1,903.20	2.00	-2.00	0.00
Start 77.04 hold at 8273.34 MD									
8,300.00	0.00	0.00	7,826.66	1,345.40	-1,903.20	-1,903.20	0.00	0.00	0.00
8,350.38	0.00	0.00	7,877.04	1,345.40	-1,903.20	-1,903.20	0.00	0.00	0.00
Start Build 10.00									
8,400.00	4.96	79.60	7,926.60	1,345.79	-1,901.09	-1,901.09	10.00	10.00	0.00
8,450.00	9.96	79.60	7,976.16	1,346.96	-1,894.70	-1,894.70	10.00	10.00	0.00
8,500.00	14.96	79.60	8,024.96	1,348.91	-1,884.09	-1,884.09	10.00	10.00	0.00
8,550.00	19.96	79.60	8,072.64	1,351.61	-1,869.34	-1,869.34	10.00	10.00	0.00
8,600.00	24.96	79.60	8,118.84	1,355.06	-1,850.56	-1,850.56	10.00	10.00	0.00
8,650.00	29.96	79.60	8,163.19	1,359.22	-1,827.89	-1,827.89	10.00	10.00	0.00
8,700.00	34.96	79.60	8,205.36	1,364.07	-1,801.50	-1,801.50	10.00	10.00	0.00
8,750.00	39.96	79.60	8,245.04	1,369.55	-1,771.60	-1,771.60	10.00	10.00	0.00
8,800.00	44.96	79.60	8,281.91	1,375.65	-1,738.41	-1,738.41	10.00	10.00	0.00
8,850.00	49.96	79.60	8,315.71	1,382.29	-1,702.18	-1,702.18	10.00	10.00	0.00
8,900.00	54.96	79.60	8,346.16	1,389.45	-1,663.20	-1,663.20	10.00	10.00	0.00
8,950.00	59.96	79.60	8,373.05	1,397.06	-1,621.75	-1,621.75	10.00	10.00	0.00
9,000.00	64.96	79.60	8,396.15	1,405.06	-1,578.16	-1,578.16	10.00	10.00	0.00
9,050.00	69.96	79.60	8,415.31	1,413.39	-1,532.75	-1,532.75	10.00	10.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	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)
9,100.00	74.96	79.60	8,430.38	1,421.99	-1,485.87	-1,485.87	10.00	10.00	0.00
9,150.00	79.96	79.60	8,441.23	1,430.80	-1,437.88	-1,437.88	10.00	10.00	0.00
9,200.00	84.96	79.60	8,447.78	1,439.75	-1,389.15	-1,389.15	10.00	10.00	0.00
9,250.38	90.00	79.60	8,450.00	1,448.83	-1,339.66	-1,339.66	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
9,300.00	90.00	80.59	8,450.00	1,457.36	-1,290.78	-1,290.78	2.00	0.00	2.00
9,400.00	90.00	82.59	8,450.00	1,471.98	-1,191.86	-1,191.86	2.00	0.00	2.00
9,500.00	90.00	84.59	8,450.00	1,483.14	-1,092.49	-1,092.49	2.00	0.00	2.00
9,600.00	90.00	86.59	8,450.00	1,490.83	-992.79	-992.79	2.00	0.00	2.00
9,700.00	90.00	88.59	8,450.00	1,495.03	-892.88	-892.88	2.00	0.00	2.00
9,762.00	90.00	89.83	8,450.00	1,495.88	-830.89	-830.89	2.00	0.00	2.00
Start 12591.20 hold at 9762.00 MD									
9,800.00	90.00	89.83	8,450.00	1,495.99	-792.89	-792.89	0.00	0.00	0.00
9,900.00	90.00	89.83	8,450.00	1,496.29	-692.89	-692.89	0.00	0.00	0.00
10,000.00	90.00	89.83	8,450.00	1,496.58	-592.89	-592.89	0.00	0.00	0.00
10,100.00	90.00	89.83	8,450.00	1,496.87	-492.89	-492.89	0.00	0.00	0.00
10,200.00	90.00	89.83	8,450.00	1,497.16	-392.89	-392.89	0.00	0.00	0.00
10,300.00	90.00	89.83	8,450.00	1,497.46	-292.89	-292.89	0.00	0.00	0.00
10,400.00	90.00	89.83	8,450.00	1,497.75	-192.89	-192.89	0.00	0.00	0.00
10,500.00	90.00	89.83	8,450.00	1,498.04	-92.89	-92.89	0.00	0.00	0.00
10,600.00	90.00	89.83	8,450.00	1,498.33	7.11	7.11	0.00	0.00	0.00
10,700.00	90.00	89.83	8,450.00	1,498.63	107.11	107.11	0.00	0.00	0.00
10,800.00	90.00	89.83	8,450.00	1,498.92	207.11	207.11	0.00	0.00	0.00
10,900.00	90.00	89.83	8,450.00	1,499.21	307.11	307.11	0.00	0.00	0.00
11,000.00	90.00	89.83	8,450.00	1,499.50	407.11	407.11	0.00	0.00	0.00
11,100.00	90.00	89.83	8,450.00	1,499.80	507.11	507.11	0.00	0.00	0.00
11,200.00	90.00	89.83	8,450.00	1,500.09	607.11	607.11	0.00	0.00	0.00
11,300.00	90.00	89.83	8,450.00	1,500.38	707.11	707.11	0.00	0.00	0.00
11,400.00	90.00	89.83	8,450.00	1,500.67	807.11	807.11	0.00	0.00	0.00
11,500.00	90.00	89.83	8,450.00	1,500.97	907.10	907.10	0.00	0.00	0.00
11,600.00	90.00	89.83	8,450.00	1,501.26	1,007.10	1,007.10	0.00	0.00	0.00
11,700.00	90.00	89.83	8,450.00	1,501.55	1,107.10	1,107.10	0.00	0.00	0.00
11,800.00	90.00	89.83	8,450.00	1,501.84	1,207.10	1,207.10	0.00	0.00	0.00
11,900.00	90.00	89.83	8,450.00	1,502.14	1,307.10	1,307.10	0.00	0.00	0.00
12,000.00	90.00	89.83	8,450.00	1,502.43	1,407.10	1,407.10	0.00	0.00	0.00
12,100.00	90.00	89.83	8,450.00	1,502.72	1,507.10	1,507.10	0.00	0.00	0.00
12,200.00	90.00	89.83	8,450.00	1,503.01	1,607.10	1,607.10	0.00	0.00	0.00
12,300.00	90.00	89.83	8,450.00	1,503.31	1,707.10	1,707.10	0.00	0.00	0.00
12,400.00	90.00	89.83	8,450.00	1,503.60	1,807.10	1,807.10	0.00	0.00	0.00
12,500.00	90.00	89.83	8,450.00	1,503.89	1,907.10	1,907.10	0.00	0.00	0.00
12,600.00	90.00	89.83	8,450.00	1,504.19	2,007.10	2,007.10	0.00	0.00	0.00
12,700.00	90.00	89.83	8,450.00	1,504.48	2,107.10	2,107.10	0.00	0.00	0.00
12,800.00	90.00	89.83	8,450.00	1,504.77	2,207.10	2,207.10	0.00	0.00	0.00
12,900.00	90.00	89.83	8,450.00	1,505.06	2,307.10	2,307.10	0.00	0.00	0.00
13,000.00	90.00	89.83	8,450.00	1,505.36	2,407.10	2,407.10	0.00	0.00	0.00
13,100.00	90.00	89.83	8,450.00	1,505.65	2,507.10	2,507.10	0.00	0.00	0.00
13,200.00	90.00	89.83	8,450.00	1,505.94	2,607.10	2,607.10	0.00	0.00	0.00
13,300.00	90.00	89.83	8,450.00	1,506.23	2,707.10	2,707.10	0.00	0.00	0.00
13,400.00	90.00	89.83	8,450.00	1,506.53	2,807.10	2,807.10	0.00	0.00	0.00
13,500.00	90.00	89.83	8,450.00	1,506.82	2,907.10	2,907.10	0.00	0.00	0.00
13,600.00	90.00	89.83	8,450.00	1,507.11	3,007.10	3,007.10	0.00	0.00	0.00
13,700.00	90.00	89.83	8,450.00	1,507.40	3,107.10	3,107.10	0.00	0.00	0.00
13,800.00	90.00	89.83	8,450.00	1,507.70	3,207.10	3,207.10	0.00	0.00	0.00
13,900.00	90.00	89.83	8,450.00	1,507.99	3,307.09	3,307.09	0.00	0.00	0.00



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	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)	
14,000.00	90.00	89.83	8,450.00	1,508.28	3,407.09	3,407.09	0.00	0.00	0.00	
14,100.00	90.00	89.83	8,450.00	1,508.57	3,507.09	3,507.09	0.00	0.00	0.00	
14,200.00	90.00	89.83	8,450.00	1,508.87	3,607.09	3,607.09	0.00	0.00	0.00	
14,300.00	90.00	89.83	8,450.00	1,509.16	3,707.09	3,707.09	0.00	0.00	0.00	
14,400.00	90.00	89.83	8,450.00	1,509.45	3,807.09	3,807.09	0.00	0.00	0.00	
14,500.00	90.00	89.83	8,450.00	1,509.74	3,907.09	3,907.09	0.00	0.00	0.00	
14,600.00	90.00	89.83	8,450.00	1,510.04	4,007.09	4,007.09	0.00	0.00	0.00	
14,700.00	90.00	89.83	8,450.00	1,510.33	4,107.09	4,107.09	0.00	0.00	0.00	
14,800.00	90.00	89.83	8,450.00	1,510.62	4,207.09	4,207.09	0.00	0.00	0.00	
14,900.00	90.00	89.83	8,450.00	1,510.91	4,307.09	4,307.09	0.00	0.00	0.00	
15,000.00	90.00	89.83	8,450.00	1,511.21	4,407.09	4,407.09	0.00	0.00	0.00	
15,100.00	90.00	89.83	8,450.00	1,511.50	4,507.09	4,507.09	0.00	0.00	0.00	
15,200.00	90.00	89.83	8,450.00	1,511.79	4,607.09	4,607.09	0.00	0.00	0.00	
15,300.00	90.00	89.83	8,450.00	1,512.08	4,707.09	4,707.09	0.00	0.00	0.00	
15,400.00	90.00	89.83	8,450.00	1,512.38	4,807.09	4,807.09	0.00	0.00	0.00	
15,500.00	90.00	89.83	8,450.00	1,512.67	4,907.09	4,907.09	0.00	0.00	0.00	
15,600.00	90.00	89.83	8,450.00	1,512.96	5,007.09	5,007.09	0.00	0.00	0.00	
15,700.00	90.00	89.83	8,450.00	1,513.25	5,107.09	5,107.09	0.00	0.00	0.00	
15,800.00	90.00	89.83	8,450.00	1,513.55	5,207.09	5,207.09	0.00	0.00	0.00	
15,900.00	90.00	89.83	8,450.00	1,513.84	5,307.09	5,307.09	0.00	0.00	0.00	
16,000.00	90.00	89.83	8,450.00	1,514.13	5,407.09	5,407.09	0.00	0.00	0.00	
16,100.00	90.00	89.83	8,450.00	1,514.43	5,507.09	5,507.09	0.00	0.00	0.00	
16,200.00	90.00	89.83	8,450.00	1,514.72	5,607.08	5,607.08	0.00	0.00	0.00	
16,300.00	90.00	89.83	8,450.00	1,515.01	5,707.08	5,707.08	0.00	0.00	0.00	
16,400.00	90.00	89.83	8,450.00	1,515.30	5,807.08	5,807.08	0.00	0.00	0.00	
16,500.00	90.00	89.83	8,450.00	1,515.60	5,907.08	5,907.08	0.00	0.00	0.00	
16,600.00	90.00	89.83	8,450.00	1,515.89	6,007.08	6,007.08	0.00	0.00	0.00	
16,700.00	90.00	89.83	8,450.00	1,516.18	6,107.08	6,107.08	0.00	0.00	0.00	
16,800.00	90.00	89.83	8,450.00	1,516.47	6,207.08	6,207.08	0.00	0.00	0.00	
16,900.00	90.00	89.83	8,450.00	1,516.77	6,307.08	6,307.08	0.00	0.00	0.00	
17,000.00	90.00	89.83	8,450.00	1,517.06	6,407.08	6,407.08	0.00	0.00	0.00	
17,100.00	90.00	89.83	8,450.00	1,517.35	6,507.08	6,507.08	0.00	0.00	0.00	
17,200.00	90.00	89.83	8,450.00	1,517.64	6,607.08	6,607.08	0.00	0.00	0.00	
17,300.00	90.00	89.83	8,450.00	1,517.94	6,707.08	6,707.08	0.00	0.00	0.00	
17,400.00	90.00	89.83	8,450.00	1,518.23	6,807.08	6,807.08	0.00	0.00	0.00	
17,500.00	90.00	89.83	8,450.00	1,518.52	6,907.08	6,907.08	0.00	0.00	0.00	
17,600.00	90.00	89.83	8,450.00	1,518.81	7,007.08	7,007.08	0.00	0.00	0.00	
17,700.00	90.00	89.83	8,450.00	1,519.11	7,107.08	7,107.08	0.00	0.00	0.00	
17,800.00	90.00	89.83	8,450.00	1,519.40	7,207.08	7,207.08	0.00	0.00	0.00	
17,900.00	90.00	89.83	8,450.00	1,519.69	7,307.08	7,307.08	0.00	0.00	0.00	
18,000.00	90.00	89.83	8,450.00	1,519.98	7,407.08	7,407.08	0.00	0.00	0.00	
18,100.00	90.00	89.83	8,450.00	1,520.28	7,507.08	7,507.08	0.00	0.00	0.00	
18,200.00	90.00	89.83	8,450.00	1,520.57	7,607.08	7,607.08	0.00	0.00	0.00	
18,300.00	90.00	89.83	8,450.00	1,520.86	7,707.08	7,707.08	0.00	0.00	0.00	
18,400.00	90.00	89.83	8,450.00	1,521.15	7,807.08	7,807.08	0.00	0.00	0.00	
18,500.00	90.00	89.83	8,450.00	1,521.45	7,907.08	7,907.08	0.00	0.00	0.00	
18,600.00	90.00	89.83	8,450.00	1,521.74	8,007.07	8,007.07	0.00	0.00	0.00	
18,700.00	90.00	89.83	8,450.00	1,522.03	8,107.07	8,107.07	0.00	0.00	0.00	
18,800.00	90.00	89.83	8,450.00	1,522.32	8,207.07	8,207.07	0.00	0.00	0.00	
18,900.00	90.00	89.83	8,450.00	1,522.62	8,307.07	8,307.07	0.00	0.00	0.00	
19,000.00	90.00	89.83	8,450.00	1,522.91	8,407.07	8,407.07	0.00	0.00	0.00	
19,100.00	90.00	89.83	8,450.00	1,523.20	8,507.07	8,507.07	0.00	0.00	0.00	
19,200.00	90.00	89.83	8,450.00	1,523.49	8,607.07	8,607.07	0.00	0.00	0.00	
19,300.00	90.00	89.83	8,450.00	1,523.79	8,707.07	8,707.07	0.00	0.00	0.00	



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	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)	
19,400.00	90.00	89.83	8,450.00	1,524.08	8,807.07	8,807.07	0.00	0.00	0.00	
19,500.00	90.00	89.83	8,450.00	1,524.37	8,907.07	8,907.07	0.00	0.00	0.00	
19,600.00	90.00	89.83	8,450.00	1,524.66	9,007.07	9,007.07	0.00	0.00	0.00	
19,700.00	90.00	89.83	8,450.00	1,524.96	9,107.07	9,107.07	0.00	0.00	0.00	
19,800.00	90.00	89.83	8,450.00	1,525.25	9,207.07	9,207.07	0.00	0.00	0.00	
19,900.00	90.00	89.83	8,450.00	1,525.54	9,307.07	9,307.07	0.00	0.00	0.00	
20,000.00	90.00	89.83	8,450.00	1,525.84	9,407.07	9,407.07	0.00	0.00	0.00	
20,100.00	90.00	89.83	8,450.00	1,526.13	9,507.07	9,507.07	0.00	0.00	0.00	
20,200.00	90.00	89.83	8,450.00	1,526.42	9,607.07	9,607.07	0.00	0.00	0.00	
20,300.00	90.00	89.83	8,450.00	1,526.71	9,707.07	9,707.07	0.00	0.00	0.00	
20,400.00	90.00	89.83	8,450.00	1,527.01	9,807.07	9,807.07	0.00	0.00	0.00	
20,500.00	90.00	89.83	8,450.00	1,527.30	9,907.07	9,907.07	0.00	0.00	0.00	
20,600.00	90.00	89.83	8,450.00	1,527.59	10,007.07	10,007.07	0.00	0.00	0.00	
20,700.00	90.00	89.83	8,450.00	1,527.88	10,107.07	10,107.07	0.00	0.00	0.00	
20,800.00	90.00	89.83	8,450.00	1,528.18	10,207.07	10,207.07	0.00	0.00	0.00	
20,900.00	90.00	89.83	8,450.00	1,528.47	10,307.06	10,307.06	0.00	0.00	0.00	
21,000.00	90.00	89.83	8,450.00	1,528.76	10,407.06	10,407.06	0.00	0.00	0.00	
21,100.00	90.00	89.83	8,450.00	1,529.05	10,507.06	10,507.06	0.00	0.00	0.00	
21,200.00	90.00	89.83	8,450.00	1,529.35	10,607.06	10,607.06	0.00	0.00	0.00	
21,300.00	90.00	89.83	8,450.00	1,529.64	10,707.06	10,707.06	0.00	0.00	0.00	
21,400.00	90.00	89.83	8,450.00	1,529.93	10,807.06	10,807.06	0.00	0.00	0.00	
21,500.00	90.00	89.83	8,450.00	1,530.22	10,907.06	10,907.06	0.00	0.00	0.00	
21,600.00	90.00	89.83	8,450.00	1,530.52	11,007.06	11,007.06	0.00	0.00	0.00	
21,700.00	90.00	89.83	8,450.00	1,530.81	11,107.06	11,107.06	0.00	0.00	0.00	
21,800.00	90.00	89.83	8,450.00	1,531.10	11,207.06	11,207.06	0.00	0.00	0.00	
21,900.00	90.00	89.83	8,450.00	1,531.39	11,307.06	11,307.06	0.00	0.00	0.00	
22,000.00	90.00	89.83	8,450.00	1,531.69	11,407.06	11,407.06	0.00	0.00	0.00	
22,100.00	90.00	89.83	8,450.00	1,531.98	11,507.06	11,507.06	0.00	0.00	0.00	
22,200.00	90.00	89.83	8,450.00	1,532.27	11,607.06	11,607.06	0.00	0.00	0.00	
22,300.00	90.00	89.83	8,450.00	1,532.56	11,707.06	11,707.06	0.00	0.00	0.00	
22,353.20	90.00	89.83	8,450.00	1,532.72	11,760.26	11,760.26	0.00	0.00	0.00	
TD at 22353.20										



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well BOND 32-34 FED COM #103H
Company:	PBEX	TVD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 30' + 3686.37 GL @ 3716.37usft
Site:	Sec 33-18S-32E	North Reference:	Grid
Well:	BOND 32-34 FED COM #103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
BOND 32-34 103H SHLI - plan hits target center - Point	0.00	0.01	0.00	0.00	0.00	619,253.85	710,363.36	32.70116726	-103.78384845
BOND 32-34 103H PP3(- plan misses target center by 1.45usft at 14438.03usft MD (8450.00 TVD, 1509.56 N, 3845.13 E) - Point	0.00	0.01	8,450.00	1,508.11	3,845.13	620,761.96	714,208.49	32.70525702	-103.77132288
BOND 32-34 103H LTP(- plan misses target center by 0.06usft at 22263.20usft MD (8450.00 TVD, 1532.46 N, 11670.26 E) - Point	0.00	0.00	8,450.00	1,532.40	11,670.26	620,786.25	722,033.62	32.70520720	-103.74588376
BOND 32-34 103H FTP(- plan misses target center by 43.17usft at 9267.53usft MD (8450.00 TVD, 1451.88 N, -1322.78 E) - Point	0.00	0.00	8,450.00	1,494.40	-1,330.20	620,748.25	709,033.16	32.70529360	-103.78814764
BOND 32-34 103H PP2(- plan misses target center by 0.56usft at 11802.69usft MD (8450.00 TVD, 1501.85 N, 1209.80 E) - Point	0.00	0.00	8,450.00	1,501.29	1,209.80	620,755.14	711,573.16	32.70527637	-103.77989021
BOND 32-34 103H PBH - plan hits target center - Point	0.00	0.00	8,450.00	1,532.72	11,760.26	620,786.57	722,123.62	32.70520671	-103.74559117

Casing Points				
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(usft)	(usft)		(")	(")
22,379.09		20" Casing	20	24

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00
2,741.09	2,702.63	152.77	-216.11	Start 4291.17 hold at 2741.09 MD
7,032.26	6,597.37	1,192.63	-1,687.09	Start Drop -2.00
8,273.34	7,800.00	1,345.40	-1,903.20	Start 77.04 hold at 8273.34 MD
8,350.38	7,877.04	1,345.40	-1,903.20	Start Build 10.00
9,250.38	8,450.00	1,448.83	-1,339.66	Start DLS 2.00 TFO 90.00
9,762.00	8,450.00	1,495.88	-830.89	Start 12591.20 hold at 9762.00 MD
22,353.20	8,450.00	1,532.72	11,760.26	TD at 22353.20



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTTY/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℃~+121℃	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	Huiling Dong	Inspector	Zhansheng Wang



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTTY/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	Huiling 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 .

QC Manager:

Jiaolong Chen

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 Operations, 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

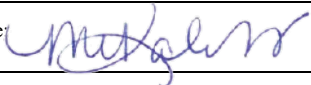
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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:

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 MANAGEMEN PLAN

PBEX Operations, LLC

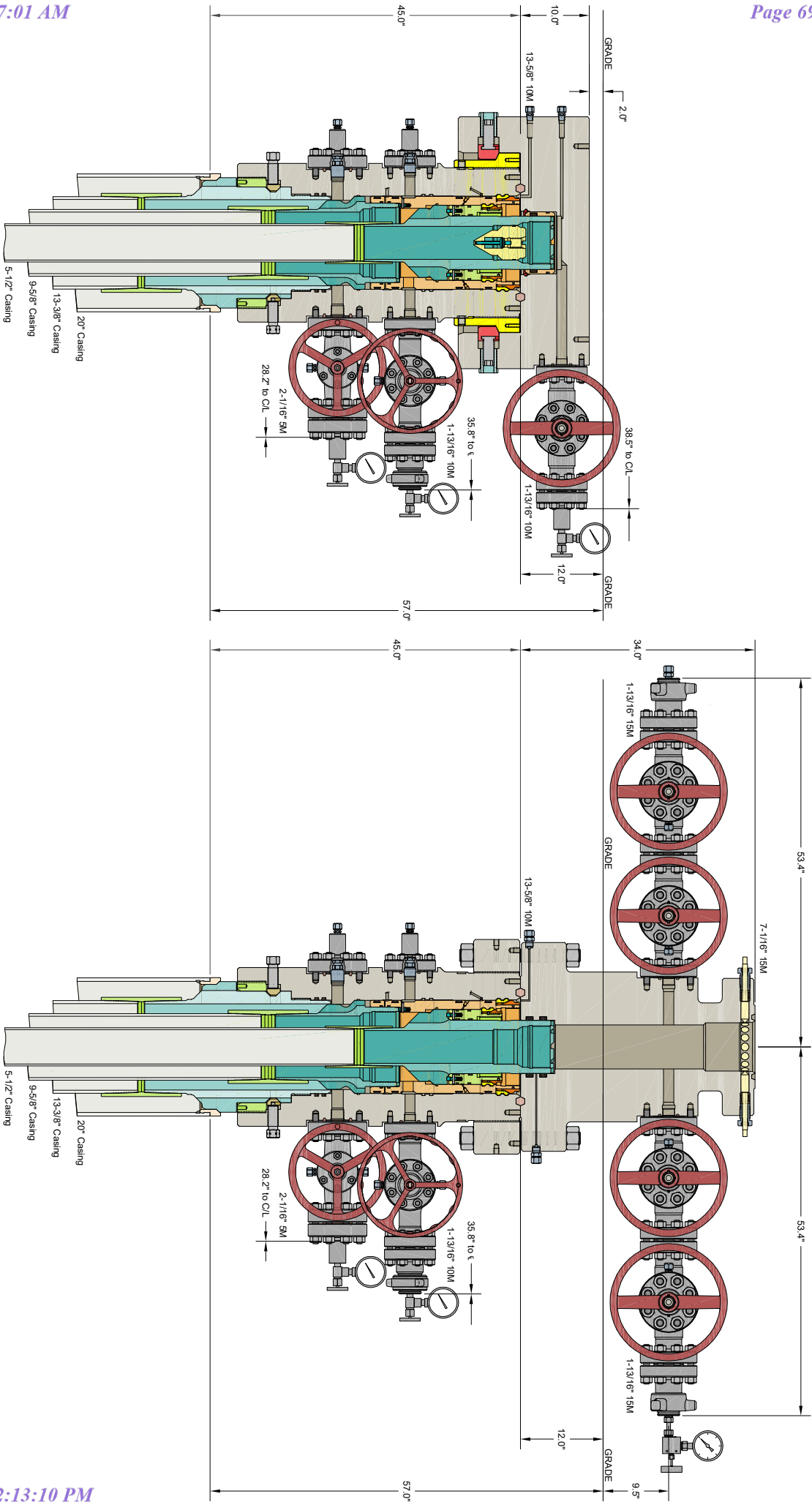
- PBEX's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.
- PBEX does not produce oil or gas until all flowlines, tank batteries,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



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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	

PBEX
BOND 32-34 FED COM #103H
SHL: 2240 FSL & 1165 FEL' of Section 32-18S-32E
BHL: 2178 FNL & 10 FEL Section 34-18S-32E
Lea County, New Mexico



Drilling Program

1. ESTIMATED TOPS

Formation Name	TVD KB	MD'	Bearing
Rustler	1,150	1,150	Water
Tamarisk	1,230		
Salt	1,430	1,430	N/A
Tansil	N/A		Not Present
Base of Salt	2,175	2,185	N/A
Yates	2,872	2,872	N/A
Seven Rivers	3,195	3,215	N/A
Queen	3,775	3,805	N/A
Grayburg	N/A	#VALUE!	N/A
San Andres	4,265	4,295	N/A
Capitan Reef	N/A		Not Present
Cherry Canyon	4,615	4,655	N/A
Brushy Canyon	5,045	5,085	N/A
Bone Spring Lime	6,969	6,999	N/A
Bone Spring Avalon	7,190	7,230	Hydrocarbons
Bone Spring 1 Sand	8,320	8,370	Hydrocarbons
Bone Spring 2 Carbonate	8,625	8,685	Hydrocarbons
Bone Spring 2 Sand	8,890	8,950	Hydrocarbons
Bone Spring 3 Carbonate	9,430	9,500	Not Encountered
Bone Spring 3 Sand	9,835	9,915	Not Encountered
Wolfcamp XY*	10,185	10,275	Not Encountered
Wolfcamp A*	0	100	Not Encountered
Wolfcamp B	0	130	Not Encountered
Wolfcamp C	0	140	Not Encountered
Wolfcamp D	0	150	Not Encountered
Strawn	0	-	Not Encountered
Intermediate Casing Point	4,505	4,535	
KOP	7,750	7,810	
TD	8,450	22,353	

2. NOTABLE ZONES

The BS1A is the goal.

3. PRESSURE CONTROL

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.

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.

All casing strings will be tested in accordance with 43 CFR 3172.7(b)(8).

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 991.1 psi OR 1,500 psi, whichever is higher) for 30 minutes

PBEX**BOND 32-34 FED COM #103H****SHL: 2240 FSL & 1165 FEL' of Section 32-18S-32E****BHL: 2178 FNL & 10 FEL Section 34-18S-32E****Lea County, New Mexico****4. CASING & CEMENT**

Variance is requested for an option to use a surface rig to drill the surface hole, set the surface casing, and cement the surface casing. If the schedule between rigs would preclude presetting the surface casing, then the primary rig will MIRU and drill all of the well.

All casing will be API and new. See attached casing assumption worksheet.

Casing Details

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	1,310	0	1310	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	No	0	4,000	0	3,970	J-55	40	BTC	1.125	1.125	1.6
Intermediate	12 1/4	9 5/8	API	No	4000	4,535	3970	4,505	HCL-80	40	BTC	1.125	1.125	1.6
Production	8 3/4	5 1/2	API	No	0	22,353	0	8,450	P-110	17	CDC HTQ	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

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	2700	1.68	4535.9	13	20%	H	Fluid Loss, Retarder, LCM

5. MUD PROGRAM

An electronic PVT mud system will monitor flow rate, pump pressure, stroke rate, and volume. 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.

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1,310'	Water Based Spud Mud	8.30	30-60	NC
Intermediate	1310	4,535	Brine	10.20	35-45	NC
Production	4,535	22353	Oil Based Mud	9.70	35-65	4-6

6. CORES, TEST, & LOGS

No core or drill stem test is planned. 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.

7. DOWN HOLE CONDITIONS

No abnormal pressure or temperature is expected. Maximum anticipated surface pressure is ≈3633.5 psi. Anticipated bottom hole pressure is ≈5492.5 psi. Expected bottom hole temperature is ≈215° F.

An H2S plan is attached.

8. OTHER INFORMATION

Anticipated spud date is upon approval. It is expected it will take ≈4 months to drill and complete the pad.

LSE_NAME	ProdDate	Proj Oil	Proj Gas	Proj NGL	Proj Water
1BSS TIER 1	Month 1	11301	25928	141566	50749
1BSS TIER 1	Month 2	34577	96869	528905	86731
1BSS TIER 1	Month 3	28055	94389	515366	63947
1BSS TIER 1	Month 4	23246	88775	484713	53668
1BSS TIER 1	Month 5	18835	78883	430704	43849
1BSS TIER 1	Month 6	16783	75401	411690	39300
1BSS TIER 1	Month 7	14747	70097	382731	34684
1BSS TIER 1	Month 8	12765	63473	346560	30123
1BSS TIER 1	Month 9	11945	61651	336615	28263
1BSS TIER 1	Month 10	10570	56301	307401	25063
1BSS TIER 1	Month 11	10069	55093	300806	23917
1BSS TIER 1	Month 12	9333	52289	285497	22203
1BSS TIER 1	Month 13	7885	45056	246004	18781
1BSS TIER 1	Month 14	8204	47702	260453	19562
1BSS TIER 1	Month 15	7476	44173	241186	17844
1BSS TIER 1	Month 16	7302	43768	238973	17443
1BSS TIER 1	Month 17	6701	40688	222158	16019
1BSS TIER 1	Month 18	6585	40459	220904	15755
1BSS TIER 1	Month 19	6275	38970	212775	15021
1BSS TIER 1	Month 20	5804	36399	198741	13903
1BSS TIER 1	Month 21	5746	36352	198480	13769
1BSS TIER 1	Month 22	5336	34041	185865	12794
1BSS TIER 1	Month 23	5302	34078	186064	12717
1BSS TIER 1	Month 24	5103	33033	180358	12244
1BSS TIER 1	Month 25	4451	28992	158295	10683
1BSS TIER 1	Month 26	4764	31218	170452	11440
1BSS TIER 1	Month 27	4459	29380	160417	10709
1BSS TIER 1	Month 28	4461	29550	161341	10716
1BSS TIER 1	Month 29	4184	27855	152088	10054
1BSS TIER 1	Month 30	4195	28058	153197	10083
1BSS TIER 1	Month 31	4072	27359	149379	9790
1BSS TIER 1	Month 32	3831	25844	141109	9212
1BSS TIER 1	Month 33	3851	26084	142421	9263
1BSS TIER 1	Month 34	3629	24670	134700	8730
1BSS TIER 1	Month 35	3654	24929	136110	8792
1BSS TIER 1	Month 36	3562	24381	133123	8572
1BSS TIER 1	Month 37	3253	22335	121949	7829
1BSS TIER 1	Month 38	3396	23391	127715	8176

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
			☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-55719	Pool Code 50510	Pool Name QUERECH PLAINS; LOWER BONE SPRING
Property Code 338342	Property Name BOND 33-34 FED COM	Well Number #211H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,686.60'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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Bottom Hole Location

UL P	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FSL	Ft. from E/W 50' FEL	Latitude 32.697588°	Longitude -103.745712°	County LEA
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Dedicated Acres 640	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23684			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

BOND 33-34 FED COM 207H- Defining Well

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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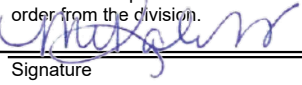
First Take Point (FTP)

UL M	Section 33	Township 18S	Range 32E	Lot	Ft. from N/S 331' FSL	Ft. from E/W 100' FWL	Latitude 32.697656°	Longitude -103.779561°	County LEA
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Last Take Point (LTP)

UL P	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FSL	Ft. from E/W 100' FEL	Latitude 32.697588°	Longitude -103.745874°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,686.60
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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 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.  Date: 11/28/2025 Signature and Seal of Professional Surveyor Certificate Number 12177 Date of Survey 11/28/2025 Revision Number 2	
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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.

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.

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 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☒ Initial Submittal
			☐ Amended Report
			☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-025-55719	Pool Code 41450	Pool Name LUSK;BONE SPRING, NORTH
Property Code 338342	Property Name BOND 33-34 FED COM	Well Number #211H
OGRID No. 332544	Operator Name PBEX OPERATIONS, LLC	Ground Level Elevation 3,686.60'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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Bottom Hole Location

UL P	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FSL	Ft. from E/W 50' FEL	Latitude 32.697588°	Longitude -103.745712°	County LEA
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Dedicated Acres 640	Infill or Defining Well Infill	Defining Well API n/a	Overlapping Spacing Unit (Y/N) N	Consolidation Code F
Order Numbers. R-23684			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

BOND 33-34 FED COM 207H- Defining Well

Kick Off Point (KOP)

UL I	Section 32	Township 18S	Range 32E	Lot	Ft. from N/S 1,605' FSL	Ft. from E/W 1,218' FEL	Latitude 32.701167°	Longitude -103.783848°	County LEA
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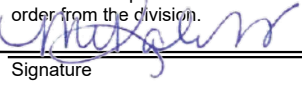
First Take Point (FTP)

UL M	Section 33	Township 18S	Range 32E	Lot	Ft. from N/S 331' FSL	Ft. from E/W 100' FWL	Latitude 32.697656°	Longitude -103.779561°	County LEA
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Last Take Point (LTP)

UL P	Section 34	Township 18S	Range 32E	Lot	Ft. from N/S 330' FSL	Ft. from E/W 100' FEL	Latitude 32.697588°	Longitude -103.745874°	County LEA
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Unitized Area or Area of Uniform Interest n/a	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,686.60
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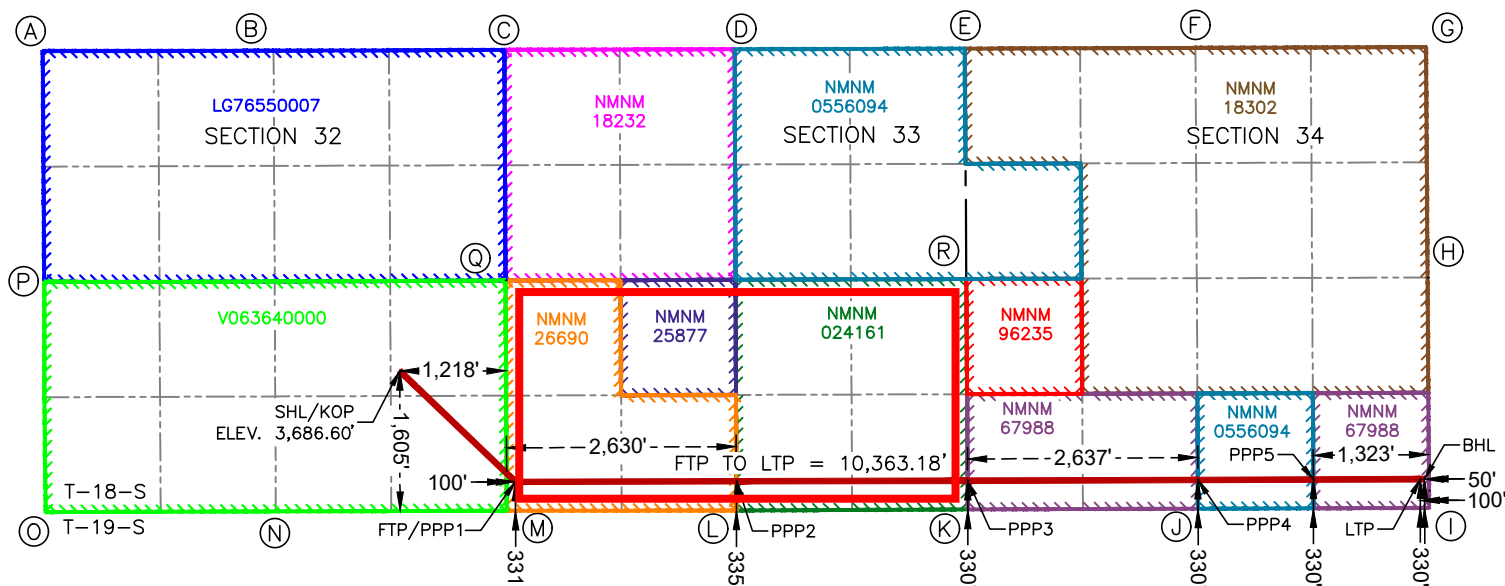
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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 Mikah Thomas		Signature and Seal of Professional Surveyor	
Printed Name mikah@pbex.com		Certificate Number 12177	Date of Survey 11/28/2025
Email Address		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 #211H

**SURFACE HOLE LOCATION
& KICK-OFF POINT**
1,605' FSL & 1,218' FEL
ELEV. = 3,686.60'

NAD 83 X = 710,363.38'
NAD 83 Y = 619,253.88'
NAD 83 LAT = 32.701167°
NAD 83 LONG = -103.783848°

**FIRST TAKE POINT &
PENETRATION POINT 1**
331' FSL & 100' FWL

NAD 83 X = 711,688.81'
NAD 83 Y = 617,983.42'
NAD 83 LAT = 32.697656°
NAD 83 LONG = -103.779561°

PENETRATION POINT 2
335' FSL & 2,630' FWL

NAD 83 X = 714,219.22'
NAD 83 Y = 617,989.83'
NAD 83 LAT = 32.697637°
NAD 83 LONG = -103.771336°

PENETRATION POINT 3
330' FSL & 0' FWL

NAD 83 X = 716,869.04'
NAD 83 Y = 617,996.85'
NAD 83 LAT = 32.697618°
NAD 83 LONG = -103.762722°

PENETRATION POINT 4
330' FSL & 2,637' FWL

NAD 83 X = 719,505.62'
NAD 83 Y = 618,005.32'
NAD 83 LAT = 32.697602°
NAD 83 LONG = -103.754151°

PENETRATION POINT 5
330' FSL & 1,323' FEL

NAD 83 X = 720,828.78'
NAD 83 Y = 618,009.98'
NAD 83 LAT = 32.697595°
NAD 83 LONG = -103.749850°

LAST TAKE POINT
330' FSL & 100' FEL

NAD 83 X = 722,051.95'
NAD 83 Y = 618,014.30'
NAD 83 LAT = 32.697588°
NAD 83 LONG = -103.745874°

BOTTOM HOLE LOCATION
330' FSL & 50' FEL

NAD 83 X = 722,101.95'
NAD 83 Y = 618,014.47'
NAD 83 LAT = 32.697588°
NAD 83 LONG = -103.745712°

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'
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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 / 32.701167 / -103.783848	County or Parish/State: LEA / NM
Well Number: 211H	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: 2878973

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/16/2025

Time Sundry Submitted: 12:24

Date proposed operation will begin: 10/16/2025

Procedure Description: AFMSS APD Number: 10400103891 Well name change: Original: BOND 32-34 FED COM 103H New: BOND 33-34 FED COM 211H Target Zone Change: Attachment PPP Changes: Attachment Original- SHL 32-18S-32E 1605 FSL & 1218 FEL V063640000 New-SHL No Changes Original- KOP 32-18S-32E 1606 FSL & 1218 FEL V063640000 New- KOP No Changes Original- FTP 32-18S-32E 2178 FNL & 2540 FEL LG76550007 New- FTP 33-18S-32E 331 FSL & 100 FWL NMNM26690 Original- PPP2 33-18S-32E 2178 FNL & 0 FWL NMNM018232 New- PPP2 33-18S-32E 335 FSL & 2630 FWL NMNM024161 Original- PPP3 33-18S-32E 2178 FNL & 2635 FWL NMNM0556094 New- PPP3 34-18S-32E 330 FSL & 0 FWL NMNM67988 Original- PPP4 34-18S-32E 2178 FNL & 1320 FWL NMNM018302 New- PPP4 34-18S-32E 330 FSL & 2637 FWL NMNM0556094 Original- PPP5 New- PPP5 34-18S-32E 330 FSL & 1323 FEL NMNM67988 Original- LTP 34-18S-32E 2178 FNL & 100 FEL NMNM018302 New- LTP 34-18S-32E 330 FSL & 100 FEL NMNM67988 Original- BHL 34-18S-32E 2178 FNL & 10 FEL NMNM018302 New- BHL 34-18S-32E 330 FNL & 50 FEL NMNM67988 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 22353 0 8450 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 4600 0 4495 L80HC 40 BTC 1.125 1.125 1.6 Production 8 3/4 5 1/2 API no 0 20327 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 2700 1.68 4535.9 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 3,082 1.23 3791.1 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 22353 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 4600 Brine Based Mud 10.2 35-45 NC Production 4600 20327 Oil Based Mud 9.7 35-65 4 to 6

Well Number: 211H

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_20251211084841.pdf

Bond_103H__211H_PPP_Changes_20251208105853.pdf

Bond_103H__New__Bond_211H_Changes_20251208105847.pdf

Plan_2_WM__02__Bond_33_34_FED_COM_211H_20251208105820.pdf

Plan_2_AC__02__Bond_33_34_FED_COM_211H_20251208105816.pdf

Plan_2__02__Bond_33_34_FED_COM_211H_20251208105812.pdf

24_041778_BOND_33_34_FED_COM__211H_C102_20251208105803.pdf

Conditions of Approval**Additional**

32_18_32_I_Sundry_ID_2878973_Bond_33_34_Fed_Com_211H_Lea_NM18232_PBEX_Operations_LLC_13_22h_11_14_2024_LV_20251211135720.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 08:48 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 Name: SONO 33-34 FED COM

Well Location: T18S / R32E / SEC 32 / NESE / 32.701167 / -103.783848

County or Parish/State: LEA / NM

Well Number: 211H

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

CONFIDENTIAL

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, 2027

5. Lease Serial No.
NMNM18232

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
PBEX OPERATIONS LLC

3a. Address 223 WEST WALL STREET STE 900, MIDLAND, 3b. Phone No. (include area code)
(432) 661-7106

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 32/T18S/R32E/NMP

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

8. Well Name and No.
BOND 33-34 FED COM/211H

9. API Well No.

10. Field and Pool or Exploratory Area
LUSK/BONE SPRING, NORTH

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				
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ 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 perfonned 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 detennined that the site is ready for final inspection.)

AFMSS APD Number: 10400103891

Well name change:
Original: BOND 32-34 FED COM 103H
New: BOND 33-34 FED COM 211H

Target Zone Change: Attachment
PPP Changes: Attachment

Original- SHL 32-18S-32E 1605 FSL & 1218 FEL V063640000 New-SHL No Changes
Original- KOP 32-18S-32E 1606 FSL & 1218 FEL V063640000 New- KOP No Changes
Original- FTP 32-18S-32E 2178 FNL & 2540 FEL LG76550007 New- FTP 33-18S-32E 331 FSL & 100 FWL NMNM26690

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
MIKAH THOMAS / Ph: (432) 661-7106

Regulatory Manager
Title

(Electronic Submission)
Signature

Date
12/11/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

Petroleum Engineer
Title

12/11/2025
Date

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

Office 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 2178 FNL & 0 FWL NMNM018232 New- PPP2 33-18S-32E 335 FSL & 2630 FWL NMNM024161
 Original- PPP3 33-18S-32E 2178 FNL & 2635 FWL NMNM0556094 New- PPP3 34-18S-32E 330 FSL & 0 FWL NMNM67988
 Original- PPP4 34-18S-32E 2178 FNL & 1320 FWL NMNM018302 New- PPP4 34-18S-32E 330 FSL & 2637 FWL NMNM0556094
 Original- PPP5 New- PPP5 34-18S-32E 330 FSL & 1323 FEL NMNM67988
 Original- LTP 34-18S-32E 2178 FNL & 100 FEL NMNM018302 New- LTP 34-18S-32E 330 FSL & 100 FEL NMNM67988
 Original- BHL 34-18S-32E 2178 FNL & 10 FEL NMNM018302 New- BHL 34-18S-32E 330 FNL & 50 FEL NMNM67988

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 22353 0 8450 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 4600 0 4495 L80HC 40 BTC 1.125 1.125 1.6

Production 8 3/4 5 1/2 API no 0 20327 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 2700 1.68 4535.9 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 3,082 1.23 3791.1 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 22353 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 4600 Brine Based Mud 10.2 35-45 NC

Production 4600 20327 Oil Based Mud 9.7 35-65 4 to 6

Location of Well

0. SHL: NESE / 1605 FSL / 1218 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.701167 / LONG: -103.783848 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 2178 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 32 / LAT: 32.705294 / LONG: -103.788148 (TVD: 8450 feet, MD: 9268 feet)

PPP: SWNW / 2178 FNL / 2540 FEL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.7052779 / LONG: -103.7798902 (TVD: 8450 feet, MD: 11803 feet)

PPP: SENW / 2178 FNL / 1320 FWL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.7052426 / LONG: -103.7623439 (TVD: 8450 feet, MD: 17200 feet)

PPP: SWNE / 2178 FNL / 2635 FWL / TWSP: 18S / RANGE: 32E / SECTION: 33 / LAT: 32.705261 / LONG: -103.7713229 (TVD: 8450 feet, MD: 14438 feet)

BHL: SENE / 2178 FNL / 10 FEL / TWSP: 18S / RANGE: 32E / SECTION: 34 / LAT: 32.705207 / LONG: -103.745591 (TVD: 8450 feet, MD: 22353 feet)

32-18-32-I Sundry ID 2878973 Bond 33-34 Fed Com 211H Lea NM18232 PBEX Operations LLC 13-22h 11-14-2024 LV.xlsm

Bond 33-34 Fed Com 211H

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	1.96	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	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
17 1/2	0.6946	1273	1820	843	116	8.30	1393	2M				1.56
Site plot (pipe racks S or E) as per O.O.I. (D 4-L) 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		hcl 80	btc	5.10	1.78	1.22	4,600	2	2.16	3.04	184,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500								Totals:	4,600			184,000
The cement volume(s) are intended to achieve a top of								0	ft from surface or a	1213		overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
12 1/4	0.3132	1141	2969	1501	98	10.20	2657	3M				0.81
r D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :												
Class 'H' tail cmt yld > 1.20								1141	2969			98

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	20,327	3	5.03	4.18	406,540
"B"									0				0
"C"									0				0
"D"									0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,059									Totals:	20,327	406,540		
The cement volume(s) are intended to achieve a top of 4400 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	3462	4942	4025	23	9.70			1.23				
Class 'C' tail cmt yld > 1.35													

#N/A											
0	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	0	#N/A						
#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]
Maximun 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]

UNCONTROLLED

UNCONTROLLED

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.

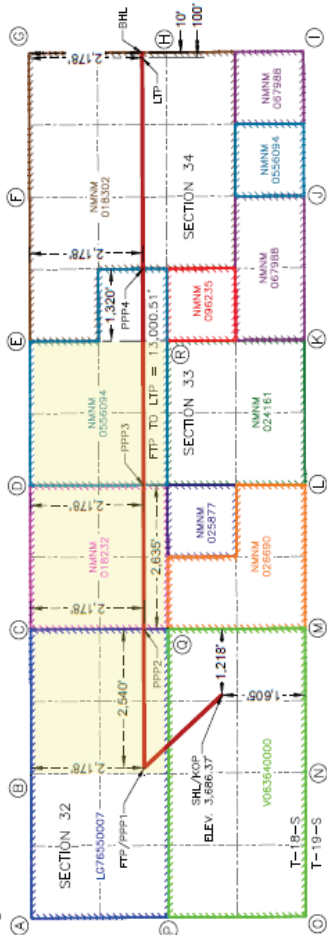
3) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).

4) Reference length is calculated by joint strength divided by Nominal Linear Weight, T&C with 1.5 safety factor.

PPP Changes

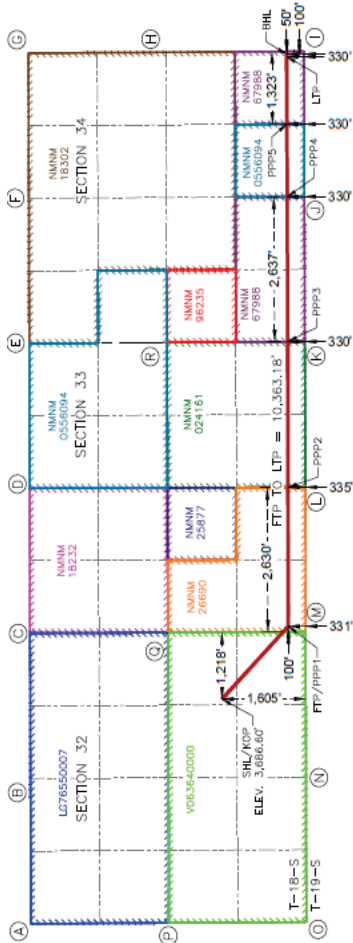
Original- Grey
New- Blue

Original: Bond 32-34 Fed Com 103H



Original- SHL	32-18S-32E	1605 FSL & 1218 FEL	V063640000
Original- KOP	32-18S-32E	1606 FSL & 1218 FEL	V063640000
Original- FTP	32-18S-32E	2178 FNL & 2540 FEL	LG76550007
Original- PPP2	33-18S-32E	2178 FNL & 0 FWL	NMNM018232
Original- PPP3	33-18S-32E	2178 FNL & 2635 FWL	NMNM0556094
Original- PPP4	34-18S-32E	2178 FNL & 1320 FWL	NMNM018302
Original- PPP5			
Original- LTP	34-18S-32E	2178 FNL & 100 FEL	NMNM018302
Original- BHL	34-18S-32E	2178 FNL & 10 FEL	NMNM018302

New: Bond 33-34 Fed Com 211H



New- SHL	No Changes		
New- KOP	No Changes		
New- FTP	33-18S-32E	331 FSL & 100 FWL	NMNM26690
New- PPP2	33-18S-32E	335 FSL & 2630 FWL	NMNM024161
New- PPP3	34-18S-32E	330 FSL & 0 FWL	NMNM67988
New- PPP4	34-18S-32E	330 FSL & 2637 FWL	NMNM0556094
New- PPP5	34-18S-32E	330 FSL & 1323 FEL	NMNM67988
New- LTP	34-18S-32E	330 FSL & 100 FEL	NMNM67988
New- BHL	34-18S-32E	330 FNL & 50 FEL	NMNM67988

Notice of Intent to Change Drill Plan
Bond 32-34 Fed Com 103H
Bond 33-34 Fed Com 211H

Original Design in Grey

New Design in Blue

Target Zone: BS1 Avalon
Target Zone: 2BSS

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	22353	0	8450 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	4600	0	4495 L80HC	40 BTC		1.125	1.125	1.6
Production	8 3/4	5 1/2 API		no		0	20327	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% Cor 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	2700	1.68	4535.9	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	3,082	1.23	3791.1	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	22353	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	4600	Brine Based Mud	10.2	35-45	NC
Production	4600	20327	Oil Based Mud	9.7	35-65	4 to 6



PROJECT DETAILS: Lea County, NM (N83 - NME)
Well Name: (02) Bond 33-34 FED COM 211H
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: 3686.60
Elevation: 3686.60
To convert a Magnetic Direction to a Grid Direction, Add 6.051°

Azimuths to Grid North
True North: -0.30°
Magnetic North: 6.05°

Magnetic Field
Strength: 47225 nT
Dip Angle: 60.14°
Date: 12/3/2025
Model: IGRF2025

WELL DETAILS: (02) Bond 33-34 FED COM 211H

	Northing	Easting	Latitude	Longitude
0.00	619253.87	710363.38	32.7016732	-103.7834838

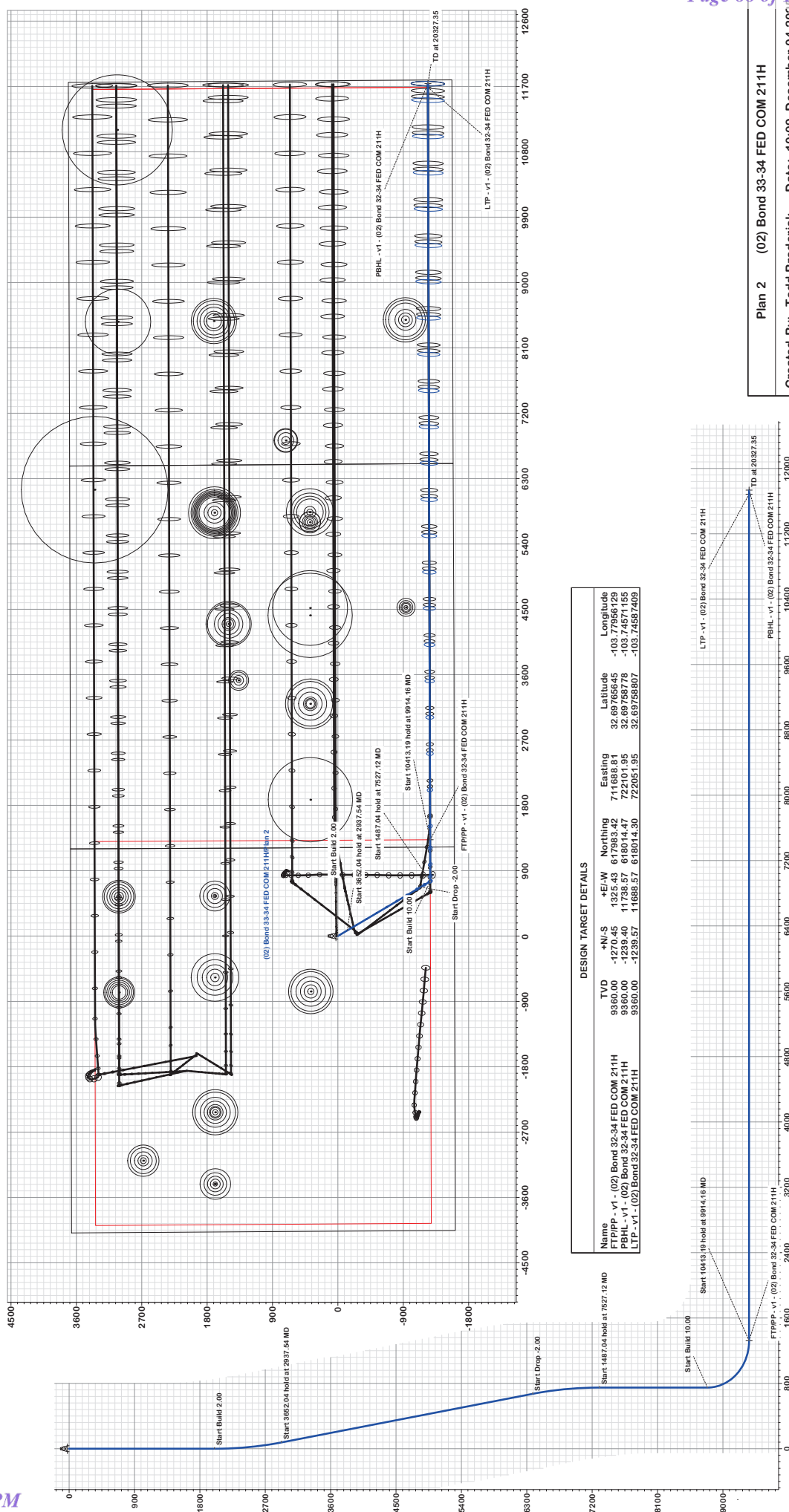
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dlog	TFace	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.000	0.00
3	2937.53	18.75	149.40	2920.89	-130.87	77.41	2.00	149.396	77.02
4	6589.59	18.75	149.40	6379.11	-1141.30	675.07	0.00	0.000	671.68
5	7527.12	0.00	89.83	7300.00	-1272.16	752.47	2.00	180.000	748.70
6	9014.16	0.00	89.83	8787.04	-1272.16	752.47	0.00	0.000	748.70
7	9914.16	90.00	89.83	9360.00	-1270.45	1325.43	10.00	0.000	1321.65
8	20327.35	90.00	89.83	9360.00	-1239.40	11738.57	0.00	0.000	11734.84

WELL DETAILS: (02) Bond 33-34 FED COM 211H

	Northing	Easting	Latitude	Longitude
0.00	619253.87	710363.38	32.7016732	-103.7834838

PBEX
Site: Bond South Pad - Phase 1
Well: (02) Bond 33-34 FED COM 211H
Wellbore: 211H
Plan: Plan 2



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTPBP - v1 - (02) Bond 33-34 FED COM 211H	9360.00	-1270.45	1325.43	617983.42	711689.81	32.69765645	-103.77956129
PBHL - v1 - (02) Bond 33-34 FED COM 211H	9360.00	-1239.40	11738.57	618014.47	722101.95	-103.74517155	-103.74517155
LTP - v1 - (02) Bond 33-34 FED COM 211H	9360.00	-1239.37	11688.57	618014.30	722051.95	32.69758677	-103.74587405



PBEX

**Lea County, NM (N83 - NME)
Bond South Pad - Phase 1
(02) Bond 33-34 FED COM 211H
TBD
211H
Plan 2**

Anticollision Report

04 December, 2025

DIXON



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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	20,327.35	Plan 2 (211H)	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						Out of range
(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						Out of range
Bond Pad Offsets						
(W01) N LUSK 32 STATE 001 - 35747 - (Gyro)						Out of range
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	9,527.00	11,175.91	200.33	142.62	3.471	CC, ES
(W02) LEAR STATE 001H - 38865 - (Gyro/MWD)	9,600.00	11,176.45	217.50	151.23	3.282	SF
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	9,200.00	11,190.00	1,288.26	1,233.47	23.511	CC, ES
(W03) LEAR STATE 002H - 38866 - (Gyro/MWD)	9,300.00	11,190.00	1,300.85	1,245.37	23.446	SF
(W04) FIST FULL OF DOLLARS FEDERAL 001 - 33644						Out of range
(W05) GULF FEDERAL 002 - 26310 - (Inc Only)						Out of range
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	14,429.73	9,352.52	1,642.98	1,296.34	4.740	CC, ES
(W06) GULF FEDERAL COM 001 - 25637 - (Inc Only)	14,500.00	9,352.52	1,644.49	1,296.69	4.728	SF
(W07) GULF MCKAY FEDERAL 001 - 25471 - (Inc Only)	17,075.69	9,359.33	318.64	-62.26	0.837	Level 3, CC, ES, 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)	730.63	744.79	1,780.85	1,762.64	97.789	CC
(W12) HULKSTER 005 - 39572 - (Inc Only)	2,100.00	2,104.00	1,782.11	1,735.37	38.134	ES
(W12) HULKSTER 005 - 39572 - (Inc Only)	3,600.00	3,569.14	2,040.49	1,956.48	24.289	SF
(W13) KEELA FEDERAL 002 - 33339 - (Inc Only)						Out of range
(W14) KEELA FEDERAL 003 - 33340 - (Inc Only)						Out of range
(W15) KEELA FEDERAL 004 - 33499 - (Inc Only)						Out of range
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,000.00	1,997.95	849.22	798.93	16.888	CC
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	2,100.00	2,097.93	850.68	798.06	16.169	ES
(W16) LEAR STATE SWD 003 - 26703 - (Inc Only)	6,400.00	6,210.22	2,028.84	1,873.85	13.090	SF
(W17) MAX STATE 001 - 26754 - (Inc Only)	2,000.00	1,990.01	1,785.63	1,732.24	33.444	CC
(W17) MAX STATE 001 - 26754 - (Inc Only)	2,100.00	2,089.99	1,787.34	1,731.42	31.966	ES

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



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

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 Pad Offsets						
(W17) MAX STATE 001 - 26754 - (Inc Only)	3,300.00	3,254.48	2,049.11	1,961.01	23.258	SF
(W18) MCKAY WEST FEDERAL 001 - 24931 - (Inc Only)						Out of range
(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)	11,791.93	9,355.68	1,644.21	1,359.53	5.776	CC
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	11,800.00	9,355.68	1,644.23	1,359.40	5.773	ES
(W21) VANDIVER FEDERAL 001 - 26352 - (Inc Only)	11,900.00	9,355.68	1,647.75	1,361.25	5.751	SF
(W22) WATKINS 32 STATE 001 - 31735 - (Inc Only)						Out of range
(W23) KEELA 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)	4,425.66	4,296.94	1,807.98	1,342.34	3.883	CC
(W25) PATTERSON 33 FEDERAL 001 - 33411 - (Depth)	5,700.00	5,482.00	1,853.93	1,258.57	3.114	ES, SF
(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						
(01) Bond 33-34 FED COM 207H - 207H - Plan 2	2,000.00	2,001.01	19.97	8.85	1.796	Level 3, CC, ES, SF
Bond South Pad - Phase 2						
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	6,151.82	6,069.00	126.33	97.72	4.415	CC
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	6,300.00	6,216.72	126.87	97.45	4.312	ES
(01) Bond 33-34 FED COM #306H - #306H - Plan 1	9,000.00	8,901.86	150.00	108.74	3.635	SF
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	2,977.85	2,964.71	66.41	51.67	4.506	CC, ES
(02) Bond 33-34 FED COM #304H - #304H - Plan 1	3,000.00	2,984.32	66.99	52.12	4.505	SF
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	4,037.76	3,995.21	101.43	84.04	5.831	CC
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	8,300.00	8,226.17	139.14	83.88	2.518	SF
(03) Bond 33-34 FED COM #106H - #106H - Plan 1	8,400.00	8,317.85	125.77	76.54	2.555	ES
(04) Bond 33-34 FED COM #104H - #104H - Plan 1	3,250.84	3,222.52	23.71	8.32	1.541	Level 3, CC, ES, SF

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)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis 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	53.149	668.86	892.42	1,115.46				
100.00	100.00	77.42	77.42	0.79	0.49	53.159	668.73	892.59	1,115.31	1,114.04	1.27	877.718	
200.00	200.00	179.10	179.10	1.45	0.92	53.191	668.30	893.03	1,115.40	1,113.04	2.37	471.091	
232.39	232.39	211.29	211.29	1.59	1.04	53.198	668.17	893.11	1,115.39	1,112.76	2.63	424.001	
300.00	300.00	274.65	274.65	1.89	1.27	53.210	668.06	893.35	1,115.52	1,112.36	3.16	352.999	
400.00	400.00	378.02	378.02	2.25	1.64	53.225	668.04	893.80	1,115.87	1,111.98	3.89	286.794	
500.00	500.00	476.55	476.54	2.57	1.99	53.237	667.89	894.00	1,115.93	1,111.38	4.55	245.072	
600.00	600.00	579.07	579.06	2.85	2.35	53.244	667.89	894.21	1,116.10	1,110.90	5.20	214.773	
645.52	645.52	624.43	624.42	2.97	2.51	53.246	667.83	894.22	1,116.08	1,110.60	5.47	203.892	
700.00	700.00	676.63	676.62	3.11	2.69	53.247	667.86	894.26	1,116.13	1,110.33	5.80	192.500	
800.00	800.00	779.92	779.91	3.35	3.05	53.235	668.13	894.24	1,116.27	1,109.87	6.40	174.381	
900.00	900.00	879.09	879.08	3.58	3.40	53.197	668.66	893.71	1,116.16	1,109.19	6.98	160.010	
1,000.00	1,000.00	979.39	979.37	3.79	3.75	53.138	669.57	893.02	1,116.16	1,108.62	7.54	147.997	
1,053.76	1,053.76	1,032.68	1,032.66	3.90	3.94	53.113	669.94	892.72	1,116.14	1,108.30	7.84	142.388	
1,100.00	1,100.00	1,077.97	1,077.95	3.99	4.10	53.092	670.30	892.47	1,116.16	1,108.07	8.09	137.932	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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 (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,200.00	1,200.00	1,180.73	1,180.71	4.19	4.46	53.044	671.05	891.92	1,116.17	1,107.52	8.65	129.064	
1,249.13	1,249.13	1,228.06	1,228.03	4.28	4.62	53.025	671.29	891.65	1,116.10	1,107.19	8.91	125.310	
1,300.00	1,300.00	1,274.65	1,274.62	4.38	4.79	53.008	671.61	891.52	1,116.19	1,107.03	9.17	121.778	
1,400.00	1,400.00	1,373.45	1,373.43	4.56	5.13	52.978	672.39	891.58	1,116.72	1,107.03	9.69	115.194	
1,500.00	1,500.00	1,471.38	1,471.35	4.74	5.47	52.954	673.09	891.72	1,117.26	1,107.05	10.21	109.386	
1,600.00	1,600.00	1,571.74	1,571.70	4.91	5.83	52.926	673.96	891.96	1,117.97	1,107.23	10.74	104.121	
1,700.00	1,700.00	1,673.12	1,673.08	5.08	6.18	52.905	674.62	892.18	1,118.54	1,107.29	11.26	99.342	
1,800.00	1,800.00	1,770.90	1,770.86	5.24	6.52	52.875	675.44	892.27	1,119.12	1,107.36	11.77	95.122	
1,900.00	1,900.00	1,873.76	1,873.71	5.40	6.88	52.856	676.15	892.60	1,119.80	1,107.51	12.28	91.152	
2,000.00	2,000.00	1,972.69	1,972.64	5.56	7.23	52.839	676.68	892.75	1,120.24	1,107.45	12.79	87.604	
2,100.00	2,099.98	2,072.21	2,072.16	5.78	7.58	-96.652	677.39	892.98	1,121.05	1,107.78	13.27	84.492	
2,200.00	2,199.84	2,169.03	2,168.98	5.99	7.92	-96.903	678.12	893.26	1,122.36	1,108.64	13.72	81.827	
2,300.00	2,299.45	2,266.64	2,266.58	6.21	8.26	-97.328	679.26	893.60	1,124.44	1,110.27	14.17	79.365	
2,400.00	2,398.70	2,362.55	2,362.48	6.46	8.60	-97.902	680.57	893.97	1,127.23	1,112.62	14.62	77.121	
2,500.00	2,497.47	2,456.93	2,456.84	6.73	8.93	-98.620	682.30	894.44	1,131.07	1,116.00	15.06	75.081	
2,600.00	2,595.62	2,550.69	2,550.58	7.02	9.26	-99.451	684.00	895.36	1,136.07	1,120.55	15.52	73.205	
2,700.00	2,693.06	2,648.72	2,648.59	7.33	9.60	-100.475	686.18	896.31	1,142.31	1,126.31	16.00	71.385	
2,800.00	2,789.64	2,749.50	2,749.34	7.67	9.95	-101.658	688.01	897.11	1,149.31	1,132.80	16.51	69.601	
2,900.00	2,885.27	2,845.21	2,845.04	8.02	10.29	-102.902	689.72	897.63	1,157.50	1,140.47	17.03	67.978	
3,000.00	2,980.04	2,941.19	2,941.01	8.30	10.62	-104.330	691.17	898.42	1,167.12	1,149.61	17.51	66.657	
3,100.00	3,074.73	3,037.42	3,037.22	8.63	10.96	-105.825	692.54	898.92	1,177.38	1,159.31	18.07	65.160	
3,200.00	3,169.42	3,130.19	3,129.98	8.98	11.29	-107.258	694.15	899.22	1,188.57	1,169.93	18.63	63.782	
3,300.00	3,264.12	3,226.22	3,225.99	9.34	11.62	-108.712	695.74	899.55	1,200.55	1,181.32	19.23	62.427	
3,400.00	3,358.81	3,322.82	3,322.58	9.72	11.96	-110.142	697.12	899.85	1,213.14	1,193.29	19.85	61.121	
3,500.00	3,453.50	3,416.68	3,416.43	10.11	12.29	-111.503	698.39	900.15	1,226.44	1,205.97	20.47	59.912	
3,600.00	3,548.20	3,510.09	3,509.84	10.51	12.62	-112.836	699.79	900.37	1,240.55	1,219.44	21.11	58.771	
3,700.00	3,642.89	3,604.48	3,604.22	10.93	12.95	-114.150	701.16	900.71	1,255.41	1,233.65	21.76	57.681	
3,800.00	3,737.58	3,701.32	3,701.04	11.35	13.29	-115.450	702.25	901.37	1,270.86	1,248.42	22.45	56.619	
3,900.00	3,832.27	3,800.75	3,800.47	11.78	13.64	-116.752	703.10	901.92	1,286.69	1,263.54	23.15	55.575	
4,000.00	3,926.97	3,892.59	3,892.31	12.21	13.96	-117.941	703.99	902.11	1,303.06	1,279.22	23.84	54.660	
4,100.00	4,021.66	3,985.75	3,985.46	12.66	14.29	-119.121	705.04	902.33	1,320.20	1,295.65	24.54	53.789	
4,200.00	4,116.35	4,082.89	4,082.59	13.10	14.63	-120.314	706.02	902.70	1,337.89	1,312.61	25.28	52.925	
4,300.00	4,211.04	4,182.18	4,181.88	13.56	14.97	-121.505	706.78	902.90	1,355.86	1,329.83	26.03	52.079	
4,400.00	4,305.74	4,277.73	4,277.43	14.01	15.31	-122.633	707.41	902.77	1,374.15	1,347.36	26.78	51.305	
4,500.00	4,400.43	4,371.27	4,370.97	14.48	15.64	-123.718	708.13	902.44	1,392.98	1,365.44	27.53	50.593	
4,600.00	4,495.12	4,464.08	4,463.77	14.94	15.96	-124.770	708.94	902.12	1,412.41	1,384.13	28.29	49.931	
4,700.00	4,589.81	4,558.06	4,557.75	15.41	16.29	-125.807	709.82	901.86	1,432.43	1,403.38	29.06	49.300	
4,800.00	4,684.51	4,652.79	4,652.47	15.88	16.62	-126.826	710.71	901.56	1,452.91	1,423.08	29.84	48.697	
4,900.00	4,779.20	4,748.19	4,747.87	16.36	16.96	-127.828	711.60	901.19	1,473.82	1,443.19	30.63	48.123	
5,000.00	4,873.89	4,844.83	4,844.50	16.84	17.30	-128.825	712.47	900.55	1,495.06	1,463.63	31.43	47.567	
5,100.00	4,968.58	4,940.34	4,940.01	17.32	17.63	-129.786	713.21	899.81	1,516.58	1,484.34	32.23	47.048	
5,200.00	5,063.28	5,033.16	5,032.81	17.80	17.95	-130.697	713.98	899.06	1,538.55	1,505.52	33.03	46.580	
5,300.00	5,157.97	5,127.44	5,127.09	18.28	18.28	-131.607	714.93	898.06	1,561.02	1,527.18	33.84	46.130	
5,400.00	5,252.66	5,225.61	5,225.25	18.77	18.63	-132.539	715.79	896.72	1,583.67	1,548.99	34.68	45.669	
5,500.00	5,347.36	5,318.21	5,317.82	19.26	18.95	-133.416	716.72	894.85	1,606.68	1,571.19	35.49	45.273	
5,600.00	5,442.05	5,410.42	5,409.99	19.75	19.27	-134.284	717.86	892.53	1,630.16	1,593.86	36.30	44.903	
5,700.00	5,536.74	5,501.58	5,501.12	20.24	19.59	-135.116	719.09	890.35	1,654.17	1,617.05	37.12	44.568	
5,800.00	5,631.43	5,597.39	5,596.90	20.73	19.93	-135.957	720.34	888.37	1,678.55	1,640.59	37.96	44.221	
5,900.00	5,726.13	5,690.47	5,689.95	21.23	20.25	-136.745	721.49	886.64	1,703.24	1,664.46	38.79	43.914	
6,000.00	5,820.82	5,783.62	5,783.09	21.72	20.58	-137.507	722.66	885.06	1,728.30	1,688.69	39.62	43.626	
6,100.00	5,915.51	5,875.20	5,874.64	22.22	20.90	-138.237	723.89	883.49	1,753.75	1,713.31	40.44	43.367	
6,200.00	6,010.20	5,968.22	5,967.64	22.72	21.23	-138.964	725.28	881.78	1,779.59	1,738.32	41.27	43.116	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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							Rule Assigned:						Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,300.00	6,104.90	6,061.97	6,061.36	23.22	21.55	-139.674	726.69	880.12	1,805.73	1,763.62	42.12	42.876	
6,400.00	6,199.59	6,160.14	6,159.51	23.72	21.90	-140.393	728.08	878.48	1,832.08	1,789.10	42.99	42.620	
6,500.00	6,294.28	6,258.57	6,257.92	24.22	22.24	-141.091	729.17	876.90	1,858.39	1,814.53	43.86	42.370	
6,600.00	6,388.98	6,350.40	6,349.74	24.71	22.56	-141.756	730.09	875.56	1,884.85	1,840.16	44.69	42.179	
6,700.00	6,484.32	6,444.95	6,444.27	25.24	22.89	-142.667	731.24	874.13	1,910.13	1,864.58	45.55	41.932	
6,800.00	6,580.66	6,542.61	6,541.91	25.75	23.24	-143.475	732.24	872.66	1,932.70	1,886.31	46.40	41.654	
6,900.00	6,677.88	6,636.18	6,635.47	26.24	23.56	-144.147	733.31	871.37	1,952.80	1,905.61	47.19	41.380	
7,000.00	6,775.85	6,735.00	6,734.27	26.72	23.91	-144.737	734.50	870.00	1,970.28	1,922.29	47.99	41.052	
7,100.00	6,874.46	6,835.68	6,834.93	27.17	24.26	-145.230	735.54	868.58	1,984.85	1,936.07	48.78	40.689	
7,200.00	6,973.59	6,932.81	6,932.06	27.61	24.60	-145.615	736.60	867.26	1,996.68	1,947.17	49.51	40.327	
7,300.00	7,073.12	7,030.96	7,030.18	28.02	24.95	-145.921	737.71	865.55	2,005.70	1,955.48	50.21	39.942	
7,400.00	7,172.92	7,127.02	7,126.22	28.38	25.28	-146.140	738.98	863.75	2,012.04	1,961.18	50.86	39.560	
7,500.00	7,272.88	7,228.27	7,227.44	28.68	25.64	-146.281	740.34	861.77	2,015.50	1,964.03	51.47	39.155	
7,600.00	7,372.88	7,329.43	7,328.56	28.72	25.99	3.045	741.68	859.61	2,016.82	1,964.94	51.88	38.873	
7,700.00	7,472.88	11,197.59	9,368.99	28.74	46.16	106.199	-1,298.27	842.35	1,919.49	1,882.00	37.49	51.204	
7,800.00	7,572.88	11,196.12	9,369.01	28.76	46.14	105.339	-1,296.81	842.32	1,819.61	1,781.93	37.68	48.292	
7,900.00	7,672.88	11,194.65	9,369.03	28.78	46.12	104.472	-1,295.34	842.29	1,719.75	1,681.87	37.88	45.405	
8,000.00	7,772.88	11,193.19	9,369.05	28.80	46.11	103.597	-1,293.88	842.25	1,619.90	1,581.83	38.08	42.543	
8,100.00	7,872.88	11,191.72	9,369.07	28.82	46.09	102.714	-1,292.41	842.22	1,520.08	1,481.80	38.28	39.708	
8,200.00	7,972.88	11,190.26	9,369.09	28.84	46.07	101.825	-1,290.94	842.19	1,420.27	1,381.78	38.49	36.899	
8,300.00	8,072.88	11,188.79	9,369.11	28.86	46.05	100.929	-1,289.48	842.16	1,320.50	1,281.79	38.71	34.116	
8,400.00	8,172.88	11,187.32	9,369.14	28.89	46.03	100.028	-1,288.01	842.12	1,220.75	1,181.83	38.93	31.360	
8,500.00	8,272.88	11,185.86	9,369.16	28.91	46.02	99.120	-1,286.55	842.09	1,121.06	1,081.90	39.15	28.631	
8,600.00	8,372.88	11,184.39	9,369.18	28.93	46.00	98.208	-1,285.08	842.06	1,021.42	982.02	39.39	25.930	
8,700.00	8,472.88	11,182.93	9,369.20	28.95	45.98	97.290	-1,283.62	842.03	921.85	882.21	39.64	23.255	
8,800.00	8,572.88	11,181.46	9,369.22	28.98	45.96	96.368	-1,282.15	841.99	822.39	782.48	39.91	20.606	
8,900.00	8,672.88	11,179.99	9,369.24	29.00	45.94	95.442	-1,280.69	841.96	723.07	682.87	40.20	17.985	
9,000.00	8,772.88	11,178.53	9,369.26	29.02	45.93	94.512	-1,279.22	841.93	623.97	583.42	40.55	15.389	
9,100.00	8,872.56	11,177.19	9,369.28	29.17	45.91	91.471	-1,277.88	841.90	524.47	483.58	40.89	12.826	
9,200.00	8,969.64	11,176.22	9,369.30	29.43	45.90	176.303	-1,276.91	841.88	424.98	383.93	41.04	10.354	
9,300.00	9,061.17	11,175.65	9,369.31	29.73	45.89	178.184	-1,276.35	841.86	329.85	288.67	41.17	8.011	
9,400.00	9,144.37	11,175.50	9,369.31	30.03	45.89	178.642	-1,276.19	841.86	248.65	205.29	43.36	5.734	
9,500.00	9,216.72	11,175.77	9,369.31	30.33	45.89	178.688	-1,276.46	841.87	202.78	149.04	53.74	3.773	
9,527.00	9,234.10	11,175.91	9,369.30	30.42	45.89	178.652	-1,276.61	841.87	200.33	142.62	57.71	3.471 CC, ES	
9,600.00	9,276.01	11,176.45	9,369.30	30.65	45.90	178.449	-1,277.15	841.88	217.50	151.23	66.27	3.282 SF	
9,700.00	9,320.44	11,177.53	9,369.28	30.99	45.91	177.807	-1,278.22	841.91	283.18	212.80	70.39	4.023	
9,800.00	9,348.66	11,178.97	9,369.26	31.38	45.93	176.107	-1,279.66	841.94	372.53	301.60	70.94	5.252	
9,900.00	9,359.83	11,180.72	9,369.23	31.84	45.95	167.255	-1,281.42	841.98	470.41	399.45	70.96	6.629	
10,000.00	9,360.00	11,182.65	9,369.20	32.43	45.98	159.300	-1,283.35	842.02	570.21	499.22	70.99	8.032	
10,100.00	9,360.00	11,184.59	9,369.18	33.17	46.00	156.152	-1,285.28	842.06	670.07	599.04	71.02	9.435	
10,200.00	9,360.00	11,186.52	9,369.15	34.07	46.02	153.145	-1,287.21	842.11	769.96	698.90	71.06	10.835	
10,300.00	9,360.00	11,188.45	9,369.12	35.12	46.05	150.284	-1,289.14	842.15	869.87	798.77	71.10	12.234	
10,400.00	9,360.00	11,190.39	9,369.09	36.29	46.07	147.572	-1,291.07	842.19	969.80	898.64	71.15	13.630	
10,500.00	9,360.00	11,192.32	9,369.06	37.57	46.10	145.009	-1,293.01	842.24	1,069.73	998.53	71.20	15.024	
10,600.00	9,360.00	11,194.25	9,369.03	38.94	46.12	142.593	-1,294.94	842.28	1,169.68	1,098.42	71.25	16.415	
10,700.00	9,360.00	11,196.18	9,369.01	40.39	46.14	140.319	-1,296.87	842.32	1,269.63	1,198.32	71.31	17.804	
10,800.00	9,360.00	11,198.12	9,368.98	41.91	46.17	138.182	-1,298.80	842.36	1,369.58	1,298.21	71.37	19.190	
10,900.00	9,360.00	11,200.05	9,368.95	43.48	46.19	136.175	-1,300.74	842.41	1,469.54	1,398.11	71.43	20.573	
11,000.00	9,360.00	11,201.98	9,368.92	45.10	46.21	134.290	-1,302.67	842.45	1,569.50	1,498.01	71.49	21.954	
11,100.00	9,360.00	11,203.92	9,368.89	46.77	46.24	132.522	-1,304.60	842.49	1,669.46	1,597.91	71.56	23.331	
11,200.00	9,360.00	11,205.85	9,368.86	48.46	46.26	130.861	-1,306.53	842.54	1,769.43	1,697.81	71.62	24.705	
11,300.00	9,360.00	11,207.78	9,368.84	50.19	46.28	129.303	-1,308.46	842.58	1,869.40	1,797.71	71.69	26.076	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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	Offset		Semi Major Axis		Offset Wellbore Centre				Rule Assigned:				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		
11,400.00	9,360.00	11,208.50	9,368.83	51.95	46.29	128.748	-1,309.18	842.60	1,969.37	1,897.62	71.74	27.450		



Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,000.00	7,772.88	11,190.00	9,353.53	28.80	58.63	-87.064	-1,211.13	-437.75	1,999.69	1,952.59	47.10	42.455	
8,100.00	7,872.88	11,190.00	9,353.53	28.82	58.63	-87.064	-1,211.13	-437.75	1,920.32	1,872.65	47.67	40.282	
8,200.00	7,972.88	11,190.00	9,353.53	28.84	58.63	-87.064	-1,211.13	-437.75	1,842.95	1,794.69	48.27	38.182	
8,300.00	8,072.88	11,190.00	9,353.53	28.86	58.63	-87.064	-1,211.13	-437.75	1,767.86	1,718.97	48.89	36.164	
8,400.00	8,172.88	11,190.00	9,353.53	28.89	58.63	-87.064	-1,211.13	-437.75	1,695.34	1,645.82	49.52	34.234	
8,500.00	8,272.88	11,190.00	9,353.53	28.91	58.63	-87.064	-1,211.13	-437.75	1,625.74	1,575.56	50.18	32.401	
8,600.00	8,372.88	11,190.00	9,353.53	28.93	58.63	-87.064	-1,211.13	-437.75	1,559.45	1,508.61	50.84	30.676	
8,700.00	8,472.88	11,190.00	9,353.53	28.95	58.63	-87.064	-1,211.13	-437.75	1,496.91	1,445.41	51.50	29.069	
8,800.00	8,572.88	11,190.00	9,353.53	28.98	58.63	-87.064	-1,211.13	-437.75	1,438.60	1,386.47	52.14	27.592	
8,900.00	8,672.88	11,190.00	9,353.53	29.00	58.63	-87.064	-1,211.13	-437.75	1,385.08	1,332.33	52.75	26.258	
9,000.00	8,772.88	11,190.00	9,353.53	29.02	58.63	-87.064	-1,211.13	-437.75	1,336.89	1,283.59	53.30	25.080	
9,100.00	8,872.56	11,190.00	9,353.53	29.17	58.63	-177.063	-1,211.13	-437.75	1,300.68	1,246.68	54.00	24.085	
9,200.00	8,969.64	11,190.00	9,353.53	29.43	58.63	-177.126	-1,211.13	-437.75	1,288.26	1,233.47	54.80	23.511	
9,200.00	8,969.64	11,190.00	9,353.53	29.43	58.63	-177.126	-1,211.13	-437.75	1,288.26	1,233.47	54.80	23.511 CC, ES	
9,300.00	9,061.17	11,190.00	9,353.53	29.73	58.63	-177.062	-1,211.13	-437.75	1,300.85	1,245.37	55.48	23.446 SF	
9,400.00	9,144.37	11,190.00	9,353.53	30.03	58.63	-176.852	-1,211.13	-437.75	1,337.38	1,281.37	56.01	23.879	
9,500.00	9,216.72	11,190.00	9,353.53	30.33	58.63	-176.436	-1,211.13	-437.75	1,394.90	1,338.55	56.36	24.750	
9,600.00	9,276.01	11,190.00	9,353.53	30.65	58.63	-175.659	-1,211.13	-437.75	1,469.35	1,412.78	56.57	25.972	
9,700.00	9,320.44	11,190.00	9,353.53	30.99	58.63	-174.068	-1,211.13	-437.75	1,556.22	1,499.52	56.69	27.451	
9,800.00	9,348.66	11,190.00	9,353.53	31.38	58.63	-169.714	-1,211.13	-437.75	1,651.12	1,594.38	56.75	29.097	
9,900.00	9,359.83	11,190.00	9,353.53	31.84	58.63	-133.837	-1,211.13	-437.75	1,750.13	1,693.37	56.76	30.835	
10,000.00	9,360.00	11,190.00	9,353.53	32.43	58.63	-106.087	-1,211.13	-437.75	1,850.06	1,793.31	56.75	32.600	
10,100.00	9,360.00	11,190.00	9,353.53	33.17	58.63	-106.087	-1,211.13	-437.75	1,949.99	1,893.25	56.75	34.363	
10,200.00	9,360.00	11,190.00	9,353.53	34.07	58.63	-106.087	-1,211.13	-437.75	2,049.94	1,993.19	56.75	36.124	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				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	
13,200.00	9,360.00	9,352.53	9,350.65	86.05	236.16	-90.166	385.98	5,836.08	2,052.23	1,743.81	308.42	6.654	
13,300.00	9,360.00	9,352.53	9,350.65	88.02	236.16	-90.165	385.98	5,836.08	1,993.91	1,682.14	311.77	6.395	
13,400.00	9,360.00	9,352.53	9,350.64	90.00	236.16	-90.165	385.98	5,836.08	1,939.01	1,623.80	315.21	6.151	
13,500.00	9,360.00	9,352.52	9,350.64	91.98	236.16	-90.165	385.98	5,836.08	1,887.80	1,569.09	318.71	5.923	
13,600.00	9,360.00	9,352.52	9,350.64	93.96	236.16	-90.165	385.98	5,836.08	1,840.61	1,518.37	322.24	5.712	
13,700.00	9,360.00	9,352.52	9,350.64	95.95	236.16	-90.165	385.98	5,836.08	1,797.75	1,471.98	325.76	5.519	
13,800.00	9,360.00	9,352.52	9,350.64	97.94	236.16	-90.165	385.98	5,836.08	1,759.53	1,430.30	329.24	5.344	
13,900.00	9,360.00	9,352.52	9,350.64	99.93	236.16	-90.165	385.98	5,836.08	1,726.27	1,393.66	332.61	5.190	
14,000.00	9,360.00	9,352.52	9,350.64	101.92	236.16	-90.165	385.98	5,836.08	1,698.25	1,362.43	335.83	5.057	
14,100.00	9,360.00	9,352.52	9,350.64	103.92	236.16	-90.165	385.98	5,836.08	1,675.74	1,336.91	338.84	4.946	
14,200.00	9,360.00	9,352.52	9,350.64	105.92	236.16	-90.165	385.98	5,836.08	1,658.97	1,317.39	341.58	4.857	
14,300.00	9,360.00	9,352.52	9,350.64	107.93	236.16	-90.165	385.98	5,836.08	1,648.10	1,304.08	344.02	4.791	
14,400.00	9,360.00	9,352.52	9,350.64	109.93	236.16	-90.165	385.98	5,836.08	1,643.25	1,297.15	346.10	4.748	
14,429.73	9,360.00	9,352.52	9,350.64	110.53	236.16	-90.165	385.98	5,836.08	1,642.98	1,296.34	346.65	4.740 CC, ES	
14,500.00	9,360.00	9,352.52	9,350.63	111.94	236.16	-90.165	385.98	5,836.08	1,644.49	1,296.69	347.80	4.728 SF	
14,600.00	9,360.00	9,352.51	9,350.63	113.95	236.16	-90.165	385.98	5,836.08	1,651.78	1,302.68	349.10	4.732	
14,700.00	9,360.00	9,352.51	9,350.63	115.97	236.16	-90.165	385.98	5,836.08	1,665.07	1,315.07	350.00	4.757	
14,800.00	9,360.00	9,352.51	9,350.63	117.98	236.16	-90.165	385.98	5,836.08	1,684.19	1,333.69	350.50	4.805	
14,900.00	9,360.00	9,352.51	9,350.63	120.00	236.16	-90.165	385.98	5,836.08	1,708.96	1,358.33	350.63	4.874	
15,000.00	9,360.00	9,352.51	9,350.63	122.01	236.16	-90.165	385.98	5,836.08	1,739.14	1,388.72	350.42	4.963	
15,100.00	9,360.00	9,352.51	9,350.63	124.03	236.16	-90.165	385.98	5,836.08	1,774.45	1,424.55	349.90	5.071	
15,200.00	9,360.00	9,352.51	9,350.63	126.06	236.16	-90.165	385.98	5,836.08	1,814.58	1,465.48	349.11	5.198	
15,300.00	9,360.00	9,352.51	9,350.63	128.08	236.16	-90.165	385.98	5,836.08	1,859.24	1,511.14	348.10	5.341	
15,400.00	9,360.00	9,352.51	9,350.63	130.10	236.16	-90.165	385.98	5,836.08	1,908.09	1,561.19	346.90	5.500	
15,500.00	9,360.00	9,352.51	9,350.63	132.13	236.16	-90.165	385.98	5,836.08	1,960.84	1,615.27	345.56	5.674	
15,600.00	9,360.00	9,352.51	9,350.62	134.16	236.16	-90.165	385.98	5,836.08	2,017.16	1,673.05	344.11	5.862	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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	Offset	Semi Major Axis		Distance		Rule Assigned:		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	
15,100.00	9,360.00	9,359.33	9,357.90	124.03	216.77	-90.000	-930.47	8,485.98	2,001.23	1,748.62	252.61	7.922	
15,200.00	9,360.00	9,359.33	9,357.90	126.06	216.77	-90.000	-930.47	8,485.98	1,902.57	1,648.99	253.58	7.503	
15,300.00	9,360.00	9,359.33	9,357.90	128.08	216.77	-90.000	-930.47	8,485.98	1,804.06	1,549.39	254.67	7.084	
15,400.00	9,360.00	9,359.33	9,357.90	130.10	216.77	-90.000	-930.47	8,485.98	1,705.72	1,449.81	255.91	6.665	
15,500.00	9,360.00	9,359.33	9,357.90	132.13	216.77	-90.000	-930.47	8,485.98	1,607.59	1,350.26	257.34	6.247	
15,600.00	9,360.00	9,359.33	9,357.90	134.16	216.77	-90.000	-930.47	8,485.98	1,509.70	1,250.74	258.97	5.830	
15,700.00	9,360.00	9,359.33	9,357.90	136.18	216.77	-90.000	-930.47	8,485.98	1,412.12	1,151.25	260.86	5.413	
15,800.00	9,360.00	9,359.33	9,357.90	138.21	216.77	-90.000	-930.47	8,485.98	1,314.89	1,051.81	263.08	4.998	
15,900.00	9,360.00	9,359.33	9,357.90	140.24	216.77	-90.000	-930.47	8,485.98	1,218.11	952.42	265.69	4.585	
16,000.00	9,360.00	9,359.33	9,357.90	142.28	216.77	-90.000	-930.47	8,485.98	1,121.90	853.10	268.79	4.174	
16,100.00	9,360.00	9,359.33	9,357.90	144.31	216.77	-90.000	-930.47	8,485.98	1,026.41	753.88	272.53	3.766	
16,200.00	9,360.00	9,359.33	9,357.90	146.34	216.77	-90.000	-930.47	8,485.98	931.87	654.80	277.07	3.363	
16,300.00	9,360.00	9,359.33	9,357.90	148.38	216.77	-90.000	-930.47	8,485.98	838.59	555.93	282.66	2.967	
16,400.00	9,360.00	9,359.33	9,357.90	150.41	216.77	-90.000	-930.47	8,485.98	747.06	457.43	289.62	2.579	
16,500.00	9,360.00	9,359.33	9,357.90	152.45	216.77	-90.000	-930.47	8,485.98	657.99	359.58	298.41	2.205	
16,600.00	9,360.00	9,359.33	9,357.90	154.49	216.77	-90.000	-930.47	8,485.98	572.55	262.97	309.58	1.849 Level 3	
16,700.00	9,360.00	9,359.33	9,357.90	156.53	216.77	-90.000	-930.47	8,485.98	492.62	168.89	323.73	1.522 Level 3	
16,800.00	9,360.00	9,359.33	9,357.90	158.57	216.77	-90.000	-930.47	8,485.98	421.35	80.26	341.09	1.235 Level 3	
16,900.00	9,360.00	9,359.33	9,357.90	160.61	216.77	-90.000	-930.47	8,485.98	363.86	3.59	360.28	1.010 Level 3	
17,000.00	9,360.00	9,359.33	9,357.90	162.65	216.77	-90.000	-930.47	8,485.98	327.50	-48.67	376.17	0.871 Level 3	
17,075.69	9,360.00	9,359.33	9,357.90	164.19	216.77	-90.000	-930.47	8,485.98	318.64	-62.26	380.89	0.837 Level 3, CC, ES, SF	
17,100.00	9,360.00	9,359.33	9,357.90	164.69	216.77	-90.000	-930.47	8,485.98	319.56	-61.01	380.57	0.840 Level 3	
17,200.00	9,360.00	9,359.33	9,357.90	166.73	216.77	-90.000	-930.47	8,485.98	342.02	-28.65	370.67	0.923 Level 3	
17,300.00	9,360.00	9,359.33	9,357.90	168.77	216.77	-90.000	-930.47	8,485.98	389.67	36.66	353.00	1.104 Level 3	
17,400.00	9,360.00	9,359.33	9,357.90	170.82	216.77	-90.000	-930.47	8,485.98	454.64	119.78	334.86	1.358 Level 3	
17,500.00	9,360.00	9,359.33	9,357.90	172.86	216.77	-90.000	-930.47	8,485.98	530.62	211.24	319.38	1.661 Level 3	
17,600.00	9,360.00	9,359.33	9,357.90	174.90	216.77	-90.000	-930.47	8,485.98	613.53	306.54	306.99	1.999 Level 3	
17,700.00	9,360.00	9,359.33	9,357.90	176.95	216.77	-90.000	-930.47	8,485.98	700.92	403.67	297.25	2.358	
17,800.00	9,360.00	9,359.33	9,357.90	178.99	216.77	-90.000	-930.47	8,485.98	791.29	501.73	289.57	2.733	
17,900.00	9,360.00	9,359.33	9,357.90	181.04	216.77	-90.000	-930.47	8,485.98	883.74	600.29	283.46	3.118	
18,000.00	9,360.00	9,359.33	9,357.90	183.09	216.77	-90.000	-930.47	8,485.98	977.68	699.14	278.55	3.510	
18,100.00	9,360.00	9,359.33	9,357.90	185.14	216.77	-90.000	-930.47	8,485.98	1,072.72	798.17	274.55	3.907	
18,200.00	9,360.00	9,359.33	9,357.90	187.18	216.77	-90.000	-930.47	8,485.98	1,168.58	897.31	271.27	4.308	
18,300.00	9,360.00	9,359.33	9,357.90	189.23	216.77	-90.000	-930.47	8,485.98	1,265.09	996.54	268.55	4.711	
18,400.00	9,360.00	9,359.33	9,357.90	191.28	216.77	-90.000	-930.47	8,485.98	1,362.10	1,095.82	266.28	5.115	
18,500.00	9,360.00	9,359.33	9,357.90	193.33	216.77	-90.000	-930.47	8,485.98	1,459.51	1,195.15	264.36	5.521	
18,600.00	9,360.00	9,359.33	9,357.90	195.38	216.77	-90.000	-930.47	8,485.98	1,557.25	1,294.52	262.74	5.927	
18,700.00	9,360.00	9,359.33	9,357.90	197.43	216.77	-90.000	-930.47	8,485.98	1,655.26	1,393.91	261.35	6.334	
18,800.00	9,360.00	9,359.33	9,357.90	199.48	216.77	-90.000	-930.47	8,485.98	1,753.50	1,493.33	260.16	6.740	
18,900.00	9,360.00	9,359.33	9,357.90	201.53	216.77	-90.000	-930.47	8,485.98	1,851.92	1,592.78	259.14	7.146	
19,000.00	9,360.00	9,359.33	9,357.90	203.58	216.77	-90.000	-930.47	8,485.98	1,950.51	1,692.25	258.26	7.553	
19,100.00	9,360.00	9,359.33	9,357.90	205.63	216.77	-90.000	-930.47	8,485.98	2,049.23	1,791.73	257.49	7.958	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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	Offset	Semi Major Axis		Distance		Rule Assigned:		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	
0.00	0.00	1.90	1.90	0.00	0.04	18.029	1,693.44	551.18	1,780.88				
100.00	100.00	101.90	101.90	0.79	2.14	18.029	1,693.44	551.18	1,780.88	1,777.95	2.93	608.292	
200.00	200.00	201.90	201.90	1.45	4.24	18.029	1,693.44	551.18	1,780.88	1,775.19	5.69	312.972	
300.00	300.00	301.90	301.90	1.89	6.33	18.029	1,693.44	551.18	1,780.88	1,772.66	8.22	216.709	
400.00	400.00	403.83	403.82	2.25	8.44	18.026	1,693.71	551.18	1,781.14	1,770.45	10.69	166.591	
500.00	500.00	509.67	509.66	2.57	10.63	18.029	1,693.41	551.18	1,780.87	1,767.67	13.20	134.928	
531.66	531.66	533.58	533.56	2.66	11.07	18.029	1,693.44	551.18	1,780.88	1,767.16	13.72	129.767	
600.00	600.00	601.92	601.90	2.85	12.35	18.029	1,693.44	551.18	1,780.88	1,765.68	15.20	117.174	
700.00	700.00	710.88	710.86	3.11	14.39	18.028	1,693.57	551.18	1,781.03	1,763.53	17.50	101.765	
730.63	730.63	744.79	744.76	3.18	15.03	18.030	1,693.36	551.18	1,780.85	1,762.64	18.21	97.789 CC	
800.00	800.00	801.93	801.90	3.35	16.14	18.029	1,693.44	551.18	1,780.88	1,761.40	19.48	91.398	
900.00	900.00	906.35	906.32	3.58	18.15	18.028	1,693.59	551.18	1,781.03	1,759.31	21.72	81.992	
1,000.00	1,000.00	1,001.95	1,001.90	3.79	20.06	18.029	1,693.44	551.18	1,780.88	1,757.03	23.85	74.664	
1,100.00	1,100.00	1,108.48	1,108.42	3.99	22.27	18.025	1,693.83	551.18	1,781.26	1,755.00	26.26	67.833	
1,200.00	1,200.00	1,201.99	1,201.90	4.19	24.16	18.029	1,693.44	551.18	1,780.88	1,752.53	28.35	62.815	
1,300.00	1,300.00	1,301.99	1,301.90	4.38	26.11	18.029	1,693.44	551.18	1,780.88	1,750.39	30.49	58.414	
1,400.00	1,400.00	1,414.16	1,414.06	4.56	28.29	18.027	1,693.63	551.18	1,781.10	1,748.25	32.85	54.214	
1,495.04	1,495.04	1,497.04	1,496.94	4.73	29.74	18.029	1,693.44	551.18	1,780.88	1,746.41	34.47	51.669	
1,500.00	1,500.00	1,502.00	1,501.90	4.74	29.82	18.029	1,693.44	551.18	1,780.88	1,746.32	34.56	51.532	
1,600.00	1,600.00	1,602.01	1,601.90	4.91	31.51	18.029	1,693.44	551.18	1,780.88	1,744.46	36.43	48.890	
1,700.00	1,700.00	1,702.01	1,701.90	5.08	33.42	18.029	1,693.44	551.18	1,780.88	1,742.38	38.50	46.255	
1,800.00	1,800.00	1,802.63	1,802.53	5.24	35.34	18.027	1,693.63	551.18	1,781.07	1,740.48	40.58	43.885	
1,900.00	1,900.00	1,904.69	1,904.58	5.40	37.29	18.028	1,693.53	551.18	1,780.97	1,738.28	42.69	41.718	
2,000.00	2,000.00	2,002.01	2,001.90	5.56	39.12	18.029	1,693.44	551.18	1,780.88	1,736.21	44.68	39.862	
2,100.00	2,099.98	2,104.00	2,103.89	5.78	41.00	-131.394	1,693.51	551.18	1,782.11	1,735.37	46.73	38.134 ES	
2,200.00	2,199.84	2,201.86	2,201.74	5.99	42.90	-131.466	1,693.44	551.18	1,785.50	1,736.72	48.78	36.601	
2,300.00	2,299.45	2,301.47	2,301.35	6.21	44.90	-131.587	1,693.44	551.18	1,791.29	1,740.35	50.95	35.160	
2,400.00	2,398.70	2,410.59	2,410.46	6.46	47.09	-131.791	1,693.83	551.18	1,799.83	1,746.52	53.31	33.759	
2,500.00	2,497.47	2,499.52	2,499.37	6.73	49.04	-131.965	1,693.44	551.18	1,809.94	1,754.49	55.45	32.640	
2,600.00	2,595.62	2,597.67	2,597.52	7.02	51.46	-132.213	1,693.44	551.18	1,822.86	1,764.78	58.09	31.382	
2,700.00	2,693.06	2,695.10	2,694.96	7.33	53.87	-132.496	1,693.44	551.18	1,838.23	1,777.51	60.72	30.273	
2,800.00	2,789.64	2,792.76	2,792.60	7.67	56.29	-132.821	1,694.06	551.18	1,856.69	1,793.31	63.38	29.292	
2,900.00	2,885.27	2,891.10	2,890.95	8.02	58.72	-133.176	1,693.93	551.18	1,876.97	1,810.88	66.09	28.401	
3,000.00	2,980.04	2,988.65	2,988.50	8.30	61.13	-133.754	1,693.65	551.18	1,899.25	1,830.53	68.72	27.638	
3,100.00	3,074.73	3,076.83	3,076.63	8.63	63.24	-134.380	1,693.44	551.18	1,922.00	1,850.89	71.12	27.026	
3,200.00	3,169.42	3,171.53	3,171.32	8.98	65.40	-135.039	1,693.44	551.18	1,945.23	1,871.66	73.58	26.438	
3,300.00	3,264.12	3,266.22	3,266.02	9.34	67.56	-135.683	1,693.44	551.18	1,968.71	1,892.66	76.05	25.886	
3,400.00	3,358.81	3,365.55	3,365.33	9.72	69.82	-136.349	1,694.47	551.18	1,993.45	1,914.79	78.65	25.344	
3,500.00	3,453.50	3,467.24	3,467.02	10.11	72.14	-137.006	1,694.05	551.18	2,017.02	1,935.70	81.32	24.802	
3,600.00	3,548.20	3,569.14	3,568.91	10.51	74.46	-137.647	1,693.28	551.18	2,040.49	1,956.48	84.01	24.289 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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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							Rule Assigned:				Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-63.983	372.50	-763.16	849.22					
100.00	100.00	97.90	97.90	0.79	2.02	-63.983	372.50	-763.16	849.22	846.41	2.81	302.273		
200.00	200.00	197.90	197.90	1.45	4.09	-63.983	372.50	-763.16	849.22	843.68	5.54	153.369		
300.00	300.00	297.91	297.90	1.89	6.05	-63.983	372.50	-763.16	849.22	841.27	7.94	106.892		
400.00	400.00	399.62	399.61	2.25	8.00	-63.973	372.66	-763.16	849.29	839.04	10.25	82.829		
500.00	500.00	497.92	497.90	2.57	10.45	-63.983	372.50	-763.16	849.22	836.20	13.02	65.217		
600.00	600.00	597.92	597.90	2.85	13.21	-63.983	372.50	-763.16	849.22	833.16	16.06	52.878		
700.00	700.00	698.10	698.08	3.11	15.97	-63.952	373.01	-763.16	849.45	830.37	19.08	44.520		
800.00	800.00	798.79	798.76	3.35	18.75	-63.960	372.87	-763.16	849.38	827.29	22.10	38.440		
900.00	900.00	899.47	899.45	3.58	21.52	-63.980	372.55	-763.16	849.24	824.14	25.10	33.837		
945.75	945.75	943.68	943.65	3.67	22.55	-63.983	372.50	-763.16	849.22	822.99	26.22	32.383		
1,000.00	1,000.00	997.93	997.90	3.79	23.72	-63.983	372.50	-763.16	849.22	821.71	27.51	30.869		
1,100.00	1,100.00	1,097.93	1,097.90	3.99	25.88	-63.983	372.50	-763.16	849.22	819.35	29.87	28.429		
1,200.00	1,200.00	1,198.05	1,198.02	4.19	28.04	-63.967	372.76	-763.16	849.33	817.11	32.23	26.355		
1,300.00	1,300.00	1,298.38	1,298.35	4.38	30.20	-63.972	372.68	-763.16	849.30	814.72	34.58	24.561		
1,400.00	1,400.00	1,398.71	1,398.68	4.56	32.36	-63.982	372.52	-763.16	849.23	812.30	36.93	22.998		
1,442.59	1,442.59	1,440.52	1,440.49	4.64	33.23	-63.983	372.50	-763.16	849.22	811.35	37.87	22.425		
1,500.00	1,500.00	1,497.93	1,497.90	4.74	34.41	-63.983	372.50	-763.16	849.22	810.07	39.15	21.693		
1,600.00	1,600.00	1,597.93	1,597.90	4.91	36.45	-63.983	372.50	-763.16	849.22	807.85	41.37	20.529		
1,700.00	1,700.00	1,698.07	1,698.03	5.08	38.51	-63.967	372.76	-763.16	849.33	805.75	43.58	19.487		
1,800.00	1,800.00	1,798.40	1,798.36	5.24	40.56	-63.972	372.68	-763.16	849.30	803.50	45.80	18.542		
1,900.00	1,900.00	1,898.73	1,898.69	5.40	42.62	-63.982	372.51	-763.16	849.23	801.21	48.02	17.686		
1,939.44	1,939.44	1,937.39	1,937.34	5.46	43.43	-63.983	372.50	-763.16	849.22	800.32	48.90	17.367		
2,000.00	2,000.00	1,997.95	1,997.90	5.56	44.73	-63.983	372.50	-763.16	849.22	798.93	50.29	16.888 CC		
2,100.00	2,099.98	2,097.93	2,097.88	5.78	46.86	146.669	372.50	-763.16	850.68	798.06	52.61	16.169 ES		
2,200.00	2,199.84	2,198.06	2,198.00	5.99	49.00	146.866	373.35	-763.16	855.43	800.51	54.93	15.574		
2,300.00	2,299.45	2,298.66	2,298.60	6.21	51.14	147.095	373.15	-763.16	862.66	805.40	57.26	15.065		
2,400.00	2,398.70	2,398.95	2,398.88	6.46	53.28	147.398	372.70	-763.16	872.73	813.12	59.61	14.640		
2,500.00	2,497.47	2,495.47	2,495.37	6.73	55.26	147.775	372.50	-763.16	885.89	824.07	61.82	14.331		
2,600.00	2,595.62	2,593.62	2,593.52	7.02	57.22	148.245	372.50	-763.16	902.15	838.12	64.03	14.090		
2,700.00	2,693.06	2,691.38	2,691.28	7.33	59.17	148.817	373.25	-763.16	921.83	855.57	66.26	13.913		
2,800.00	2,789.64	2,789.29	2,789.18	7.67	61.13	149.390	373.04	-763.16	944.14	875.62	68.51	13.780		
2,900.00	2,885.27	2,886.37	2,886.25	8.02	63.07	149.988	372.57	-763.16	969.42	898.64	70.78	13.697		
3,000.00	2,980.04	2,978.09	2,977.94	8.30	65.00	150.756	372.50	-763.16	997.46	924.48	72.97	13.669		
3,100.00	3,074.73	3,072.79	3,072.63	8.63	67.02	151.623	372.50	-763.16	1,025.97	950.66	75.31	13.623		
3,200.00	3,169.42	3,167.85	3,167.68	8.98	69.04	152.498	373.59	-763.16	1,055.28	977.61	77.68	13.586		
3,300.00	3,264.12	3,264.61	3,264.44	9.34	71.10	153.280	373.36	-763.16	1,084.09	1,003.99	80.09	13.535		
3,400.00	3,358.81	3,361.56	3,361.39	9.72	73.17	154.009	372.81	-763.16	1,112.88	1,030.35	82.53	13.484		
3,500.00	3,453.50	3,451.63	3,451.40	10.11	75.11	154.661	372.50	-763.16	1,141.94	1,057.09	84.86	13.457		
3,600.00	3,548.20	3,546.33	3,546.10	10.51	77.18	155.328	372.50	-763.16	1,171.35	1,084.03	87.32	13.414		
3,700.00	3,642.89	3,641.02	3,640.79	10.93	79.24	155.963	372.50	-763.16	1,200.89	1,111.10	89.79	13.374		
3,800.00	3,737.58	3,738.00	3,737.76	11.35	81.35	156.618	373.45	-763.16	1,231.15	1,138.82	92.33	13.334		
3,900.00	3,832.27	3,835.43	3,835.18	11.78	83.48	157.192	372.99	-763.16	1,260.68	1,165.79	94.89	13.286		
4,000.00	3,926.97	3,925.19	3,924.87	12.21	85.38	157.694	372.50	-763.16	1,290.28	1,193.06	97.21	13.272		
4,100.00	4,021.66	4,019.89	4,019.56	12.66	87.24	158.220	372.50	-763.16	1,320.29	1,220.78	99.52	13.267		
4,200.00	4,116.35	4,116.99	4,116.65	13.10	89.15	158.765	373.37	-763.16	1,350.96	1,249.09	101.88	13.261		
4,300.00	4,211.04	4,217.39	4,217.04	13.56	91.12	159.253	372.77	-763.16	1,380.81	1,276.50	104.31	13.238		
4,400.00	4,305.74	4,304.02	4,303.64	14.01	92.84	159.664	372.50	-763.16	1,410.90	1,304.42	106.48	13.251		
4,500.00	4,400.43	4,398.71	4,398.33	14.48	94.74	160.106	372.50	-763.16	1,441.27	1,332.43	108.84	13.243		
4,600.00	4,495.12	4,493.48	4,493.09	14.94	96.64	160.554	373.30	-763.16	1,472.24	1,361.04	111.20	13.240		
4,700.00	4,589.81	4,590.76	4,590.37	15.41	98.58	160.967	373.17	-763.16	1,502.68	1,389.05	113.62	13.225		
4,800.00	4,684.51	4,688.18	4,687.79	15.88	100.53	161.356	372.78	-763.16	1,533.01	1,416.96	116.05	13.209		

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				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	
4,900.00	4,779.20	4,777.52	4,777.10	16.36	102.32	161.701	372.50	-763.16	1,563.46	1,445.15	118.31	13.215	
5,000.00	4,873.89	4,872.22	4,871.79	16.84	104.22	162.062	372.50	-763.16	1,594.17	1,473.48	120.68	13.209	
5,100.00	4,968.58	4,966.91	4,966.48	17.32	106.11	162.409	372.50	-763.16	1,624.93	1,501.87	123.06	13.204	
5,200.00	5,063.28	5,064.01	5,063.58	17.80	108.05	162.772	373.22	-763.16	1,656.24	1,530.74	125.50	13.197	
5,300.00	5,157.97	5,161.77	5,161.34	18.28	110.01	163.095	372.89	-763.16	1,686.88	1,558.93	127.95	13.184	
5,400.00	5,252.66	5,251.03	5,250.56	18.77	111.81	163.378	372.50	-763.16	1,717.51	1,587.29	130.22	13.189	
5,500.00	5,347.36	5,345.72	5,345.26	19.26	113.76	163.678	372.50	-763.16	1,748.47	1,615.81	132.66	13.180	
5,600.00	5,442.05	5,440.41	5,439.95	19.75	115.71	163.967	372.50	-763.16	1,779.47	1,644.36	135.11	13.171	
5,700.00	5,536.74	5,537.08	5,536.60	20.24	117.70	164.271	373.26	-763.16	1,811.04	1,673.44	137.60	13.162	
5,800.00	5,631.43	5,635.19	5,634.71	20.73	119.72	164.544	372.98	-763.16	1,841.93	1,701.80	140.12	13.145	
5,900.00	5,726.13	5,733.45	5,732.97	21.23	121.74	164.803	372.45	-763.16	1,872.68	1,730.02	142.66	13.127	
6,000.00	5,820.82	5,819.24	5,818.72	21.72	123.51	165.033	372.50	-763.16	1,903.83	1,758.94	144.90	13.139	
6,100.00	5,915.51	5,913.93	5,913.41	22.22	125.46	165.278	372.50	-763.16	1,935.01	1,787.67	147.35	13.132	
6,200.00	6,010.20	6,010.44	6,009.90	22.72	127.45	165.542	373.55	-763.16	1,966.98	1,817.14	149.84	13.127	
6,300.00	6,104.90	6,110.22	6,109.68	23.22	129.50	165.777	373.25	-763.16	1,998.01	1,845.60	152.41	13.109	
6,400.00	6,199.59	6,210.22	6,209.67	23.72	131.56	165.998	372.60	-763.16	2,028.84	1,873.85	154.99	13.090 SF	
6,500.00	6,294.28	6,292.76	6,292.18	24.22	133.35	166.184	372.50	-763.16	2,060.02	1,902.77	157.25	13.100	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		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	
0.00	0.00	0.00	0.00	0.00	0.00	-18.637	1,691.99	-570.64	1,785.66				
100.00	100.00	89.90	89.90	0.79	2.57	-18.637	1,691.99	-570.64	1,785.63	1,782.27	3.36	531.483	
200.00	200.00	189.90	189.90	1.45	5.44	-18.637	1,691.99	-570.64	1,785.63	1,778.75	6.88	259.410	
300.00	300.00	289.90	289.90	1.89	8.30	-18.637	1,691.99	-570.64	1,785.63	1,775.44	10.19	175.195	
400.00	400.00	389.90	389.90	2.25	11.16	-18.637	1,691.99	-570.64	1,785.63	1,772.21	13.42	133.082	
500.00	500.00	489.91	489.90	2.57	13.87	-18.637	1,691.99	-570.64	1,785.63	1,769.19	16.44	108.630	
600.00	600.00	589.91	589.90	2.85	16.55	-18.637	1,691.99	-570.64	1,785.63	1,766.23	19.40	92.053	
700.00	700.00	690.39	690.38	3.11	19.24	-18.631	1,692.57	-570.64	1,786.18	1,763.83	22.35	79.927	
800.00	800.00	793.22	793.21	3.35	21.99	-18.632	1,692.46	-570.64	1,786.07	1,760.73	25.34	70.478	
900.00	900.00	896.06	896.05	3.58	24.75	-18.635	1,692.17	-570.64	1,785.81	1,757.49	28.32	63.052	
1,000.00	1,000.00	989.93	989.90	3.79	26.96	-18.637	1,691.99	-570.64	1,785.63	1,754.88	30.75	58.073	
1,100.00	1,100.00	1,089.93	1,089.90	3.99	29.02	-18.637	1,691.99	-570.64	1,785.63	1,752.62	33.01	54.093	
1,200.00	1,200.00	1,189.93	1,189.90	4.19	31.07	-18.637	1,691.99	-570.64	1,785.63	1,750.36	35.26	50.635	
1,300.00	1,300.00	1,292.96	1,292.93	4.38	33.19	-18.633	1,692.45	-570.64	1,786.06	1,748.49	37.57	47.535	
1,400.00	1,400.00	1,396.02	1,395.99	4.56	35.31	-18.635	1,692.17	-570.64	1,785.81	1,745.93	39.88	44.783	
1,500.00	1,500.00	1,489.96	1,489.90	4.74	37.27	-18.637	1,691.99	-570.64	1,785.63	1,743.62	42.00	42.510	
1,600.00	1,600.00	1,589.96	1,589.90	4.91	39.36	-18.637	1,691.99	-570.64	1,785.63	1,741.36	44.27	40.336	
1,700.00	1,700.00	1,689.96	1,689.90	5.08	41.45	-18.637	1,691.99	-570.64	1,785.63	1,739.10	46.53	38.376	
1,800.00	1,800.00	1,794.54	1,794.47	5.24	43.64	-18.630	1,692.67	-570.64	1,786.28	1,737.40	48.88	36.543	
1,900.00	1,900.00	1,899.17	1,899.10	5.40	45.83	-18.635	1,692.25	-570.64	1,785.90	1,734.67	51.23	34.860	
2,000.00	2,000.00	1,990.01	1,989.90	5.56	47.83	-18.637	1,691.99	-570.64	1,785.63	1,732.24	53.39	33.444 CC	
2,100.00	2,099.98	2,089.99	2,089.88	5.78	50.14	-168.038	1,691.99	-570.64	1,787.34	1,731.42	55.91	31.966 ES	
2,200.00	2,199.84	2,189.85	2,189.74	5.99	52.44	-168.051	1,691.99	-570.64	1,792.46	1,734.04	58.42	30.682	
2,300.00	2,299.45	2,295.53	2,295.40	6.21	54.88	-168.068	1,692.91	-570.64	1,801.86	1,740.78	61.08	29.500	
2,400.00	2,398.70	2,401.13	2,401.00	6.46	57.31	-168.111	1,692.34	-570.64	1,813.28	1,749.53	63.76	28.441	
2,500.00	2,497.47	2,487.63	2,487.37	6.73	59.43	-168.141	1,691.99	-570.64	1,828.23	1,762.09	66.14	27.642	
2,600.00	2,595.62	2,585.79	2,585.52	7.02	61.98	-168.185	1,691.99	-570.64	1,846.92	1,777.94	68.98	26.776	
2,700.00	2,693.06	2,683.22	2,682.96	7.33	64.51	-168.234	1,691.99	-570.64	1,868.96	1,797.15	71.81	26.025	
2,800.00	2,789.64	2,784.20	2,783.90	7.67	67.14	-168.272	1,694.17	-570.64	1,896.39	1,821.63	74.77	25.364	
2,900.00	2,885.27	2,889.97	2,889.65	8.02	69.88	-168.355	1,693.62	-570.64	1,924.60	1,846.74	77.86	24.718	
3,000.00	2,980.04	2,995.15	2,994.81	8.30	72.62	-168.527	1,692.49	-570.64	1,954.97	1,874.10	80.87	24.175	
3,100.00	3,074.73	3,065.10	3,064.63	8.63	74.35	-168.668	1,691.99	-570.64	1,985.91	1,902.98	82.93	23.948	
3,200.00	3,169.42	3,159.79	3,159.32	8.98	76.58	-168.847	1,691.99	-570.64	2,017.50	1,931.99	85.51	23.595	
3,300.00	3,264.12	3,254.48	3,254.02	9.34	78.81	-169.021	1,691.99	-570.64	2,049.11	1,961.01	88.10	23.258 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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,600.00	9,360.00	9,355.68	9,352.90	38.94	225.64	-90.000	379.35	3,198.29	2,030.79	1,772.09	258.70	7.850	
10,700.00	9,360.00	9,355.68	9,352.90	40.39	225.64	-90.000	379.35	3,198.29	1,973.76	1,713.10	260.66	7.572	
10,800.00	9,360.00	9,355.68	9,352.90	41.91	225.64	-90.000	379.35	3,198.29	1,920.25	1,657.52	262.73	7.309	
10,900.00	9,360.00	9,355.68	9,352.90	43.48	225.64	-90.000	379.35	3,198.29	1,870.55	1,605.65	264.90	7.061	
11,000.00	9,360.00	9,355.68	9,352.90	45.10	225.64	-90.000	379.35	3,198.29	1,824.98	1,557.83	267.15	6.831	
11,100.00	9,360.00	9,355.68	9,352.90	46.77	225.64	-90.000	379.35	3,198.29	1,783.87	1,514.40	269.47	6.620	
11,200.00	9,360.00	9,355.68	9,352.90	48.46	225.64	-90.000	379.35	3,198.29	1,747.51	1,475.69	271.82	6.429	
11,300.00	9,360.00	9,355.68	9,352.90	50.19	225.64	-90.000	379.35	3,198.29	1,716.22	1,442.04	274.18	6.260	
11,400.00	9,360.00	9,355.68	9,352.90	51.95	225.64	-90.000	379.35	3,198.29	1,690.27	1,413.77	276.50	6.113	
11,500.00	9,360.00	9,355.68	9,352.90	53.73	225.64	-90.000	379.35	3,198.29	1,669.92	1,391.15	278.77	5.990	
11,600.00	9,360.00	9,355.68	9,352.90	55.53	225.64	-90.000	379.35	3,198.29	1,655.37	1,374.44	280.93	5.892	
11,700.00	9,360.00	9,355.68	9,352.90	57.35	225.64	-90.000	379.35	3,198.29	1,646.77	1,363.82	282.96	5.820	
11,791.93	9,360.00	9,355.68	9,352.90	59.04	225.64	-90.000	379.35	3,198.29	1,644.21	1,359.53	284.68	5.776	CC
11,800.00	9,360.00	9,355.68	9,352.90	59.19	225.64	-90.000	379.35	3,198.29	1,644.23	1,359.40	284.82	5.773	ES
11,900.00	9,360.00	9,355.68	9,352.90	61.05	225.64	-90.000	379.35	3,198.29	1,647.75	1,361.25	286.50	5.751	SF
12,000.00	9,360.00	9,355.68	9,352.90	62.91	225.64	-90.000	379.35	3,198.29	1,657.32	1,369.35	287.97	5.755	
12,100.00	9,360.00	9,355.68	9,352.90	64.79	225.64	-90.000	379.35	3,198.29	1,672.82	1,383.60	289.22	5.784	
12,200.00	9,360.00	9,355.68	9,352.90	66.69	225.64	-90.000	379.35	3,198.29	1,694.09	1,403.83	290.25	5.837	
12,300.00	9,360.00	9,355.68	9,352.90	68.59	225.64	-90.000	379.35	3,198.29	1,720.91	1,429.85	291.07	5.912	
12,400.00	9,360.00	9,355.68	9,352.90	70.50	225.64	-90.000	379.35	3,198.29	1,753.04	1,461.36	291.68	6.010	
12,500.00	9,360.00	9,355.68	9,352.90	72.42	225.64	-90.000	379.35	3,198.29	1,790.19	1,498.09	292.10	6.129	
12,600.00	9,360.00	9,355.68	9,352.90	74.35	225.64	-90.000	379.35	3,198.29	1,832.04	1,539.70	292.35	6.267	
12,700.00	9,360.00	9,355.68	9,352.90	76.28	225.64	-90.000	379.35	3,198.29	1,878.30	1,585.85	292.45	6.423	
12,800.00	9,360.00	9,355.68	9,352.90	78.23	225.64	-90.000	379.35	3,198.29	1,928.63	1,636.22	292.41	6.596	
12,900.00	9,360.00	9,355.68	9,352.90	80.17	225.64	-90.000	379.35	3,198.29	1,982.73	1,690.47	292.27	6.784	
13,000.00	9,360.00	9,355.68	9,352.90	82.13	225.64	-90.000	379.35	3,198.29	2,040.30	1,748.28	292.03	6.987	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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							Rule Assigned:						Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +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	78.619	377.85	1,877.08	1,915.02				
100.00	100.00	66.90	66.90	0.79	7.09	78.619	377.85	1,877.08	1,914.74	1,906.86	7.88	243.072	
200.00	200.00	166.90	166.90	1.45	17.69	78.619	377.85	1,877.08	1,914.74	1,895.60	19.14	100.050	
300.00	300.00	266.90	266.90	1.89	28.29	78.619	377.85	1,877.08	1,914.74	1,884.55	30.18	63.437	
400.00	400.00	366.90	366.90	2.25	38.89	78.619	377.85	1,877.08	1,914.74	1,873.59	41.15	46.536	
500.00	500.00	466.90	466.90	2.57	49.49	78.619	377.85	1,877.08	1,914.74	1,862.68	52.06	36.780	
600.00	600.00	566.90	566.90	2.85	60.09	78.619	377.85	1,877.08	1,914.74	1,851.79	62.94	30.421	
700.00	700.00	666.90	666.90	3.11	70.69	78.619	377.85	1,877.08	1,914.74	1,840.94	73.80	25.945	
800.00	800.00	766.90	766.90	3.35	81.29	78.619	377.85	1,877.08	1,914.74	1,830.10	84.64	22.622	
900.00	900.00	866.90	866.90	3.58	91.89	78.619	377.85	1,877.08	1,914.74	1,819.27	95.47	20.057	
1,000.00	1,000.00	966.90	966.90	3.79	102.49	78.619	377.85	1,877.08	1,914.74	1,808.45	106.28	18.016	
1,100.00	1,100.00	1,066.90	1,066.90	3.99	113.09	78.619	377.85	1,877.08	1,914.74	1,797.65	117.09	16.353	
1,200.00	1,200.00	1,166.90	1,166.90	4.19	123.69	78.619	377.85	1,877.08	1,914.74	1,786.85	127.88	14.973	
1,300.00	1,300.00	1,266.90	1,266.90	4.38	134.29	78.619	377.85	1,877.08	1,914.74	1,776.06	138.67	13.808	
1,400.00	1,400.00	1,366.90	1,366.90	4.56	144.89	78.619	377.85	1,877.08	1,914.74	1,765.28	149.45	12.812	
1,500.00	1,500.00	1,466.90	1,466.90	4.74	155.49	78.619	377.85	1,877.08	1,914.74	1,754.50	160.23	11.950	
1,600.00	1,600.00	1,566.90	1,566.90	4.91	166.09	78.619	377.85	1,877.08	1,914.74	1,743.73	171.00	11.197	
1,700.00	1,700.00	1,666.90	1,666.90	5.08	176.69	78.619	377.85	1,877.08	1,914.74	1,732.96	181.77	10.534	
1,800.00	1,800.00	1,766.90	1,766.90	5.24	187.29	78.619	377.85	1,877.08	1,914.74	1,722.20	192.53	9.945	
1,900.00	1,900.00	1,866.90	1,866.90	5.40	197.89	78.619	377.85	1,877.08	1,914.74	1,711.44	203.29	9.419	
2,000.00	2,000.00	1,966.90	1,966.90	5.56	208.49	78.619	377.85	1,877.08	1,914.74	1,700.69	214.05	8.945	
2,100.00	2,099.98	2,066.88	2,066.88	5.78	219.09	-70.838	377.85	1,877.08	1,914.16	1,689.37	224.79	8.515	
2,200.00	2,199.84	2,166.74	2,166.74	5.99	229.67	-71.018	377.85	1,877.08	1,912.45	1,676.96	235.49	8.121	
2,300.00	2,299.45	2,266.35	2,266.35	6.21	240.23	-71.318	377.85	1,877.08	1,909.63	1,663.46	246.17	7.757	
2,400.00	2,398.70	2,365.60	2,365.60	6.46	250.75	-71.736	377.85	1,877.08	1,905.74	1,648.93	256.81	7.421	
2,500.00	2,497.47	2,464.37	2,464.37	6.73	261.22	-72.272	377.85	1,877.08	1,900.85	1,633.45	267.40	7.109	
2,600.00	2,595.62	2,562.52	2,562.52	7.02	271.63	-72.924	377.85	1,877.08	1,895.05	1,617.11	277.94	6.818	
2,700.00	2,693.06	2,659.96	2,659.96	7.33	281.96	-73.688	377.85	1,877.08	1,888.43	1,600.03	288.40	6.548	
2,800.00	2,789.64	2,756.54	2,756.54	7.67	292.19	-74.562	377.85	1,877.08	1,881.12	1,582.34	298.78	6.296	
2,900.00	2,885.27	2,852.17	2,852.17	8.02	302.33	-75.541	377.85	1,877.08	1,873.26	1,564.18	309.08	6.061	
3,000.00	2,980.04	2,946.94	2,946.94	8.30	312.38	-76.503	377.85	1,877.08	1,865.16	1,545.93	319.23	5.843	
3,100.00	3,074.73	3,041.63	3,041.63	8.63	322.41	-77.419	377.85	1,877.08	1,857.52	1,528.08	329.45	5.638	
3,200.00	3,169.42	3,136.32	3,136.32	8.98	332.45	-78.341	377.85	1,877.08	1,850.41	1,510.74	339.67	5.448	
3,300.00	3,264.12	3,231.02	3,231.02	9.34	342.49	-79.269	377.85	1,877.08	1,843.84	1,493.93	349.91	5.269	
3,400.00	3,358.81	3,325.71	3,325.71	9.72	352.53	-80.203	377.85	1,877.08	1,837.80	1,477.65	360.15	5.103	
3,500.00	3,453.50	3,420.40	3,420.40	10.11	362.56	-81.142	377.85	1,877.08	1,832.30	1,461.90	370.41	4.947	
3,600.00	3,548.20	3,515.10	3,515.10	10.51	372.60	-82.086	377.85	1,877.08	1,827.36	1,446.69	380.67	4.800	
3,700.00	3,642.89	3,609.79	3,609.79	10.93	382.64	-83.035	377.85	1,877.08	1,822.97	1,432.03	390.93	4.663	
3,800.00	3,737.58	3,704.48	3,704.48	11.35	392.67	-83.987	377.85	1,877.08	1,819.13	1,417.93	401.21	4.534	
3,900.00	3,832.27	3,799.17	3,799.17	11.78	402.71	-84.942	377.85	1,877.08	1,815.86	1,404.37	411.49	4.413	
4,000.00	3,926.97	3,893.87	3,893.87	12.21	412.75	-85.901	377.85	1,877.08	1,813.15	1,391.37	421.78	4.299	
4,100.00	4,021.66	3,988.56	3,988.56	12.66	422.79	-86.862	377.85	1,877.08	1,811.01	1,378.94	432.07	4.191	
4,200.00	4,116.35	4,083.25	4,083.25	13.10	432.82	-87.824	377.85	1,877.08	1,809.44	1,367.06	442.37	4.090	
4,300.00	4,211.04	4,177.94	4,177.94	13.56	442.86	-88.788	377.85	1,877.08	1,808.43	1,355.75	452.68	3.995	
4,400.00	4,305.74	4,272.64	4,272.64	14.01	452.90	-89.752	377.85	1,877.08	1,808.00	1,345.01	462.99	3.905	
4,425.66	4,330.04	4,296.94	4,296.94	14.13	455.48	-90.000	377.85	1,877.08	1,807.98	1,342.34	465.64	3.883 CC	
4,500.00	4,400.43	4,367.33	4,367.33	14.48	462.94	-90.717	377.85	1,877.08	1,808.14	1,334.83	473.31	3.820	
4,600.00	4,495.12	4,462.02	4,462.02	14.94	472.97	-91.681	377.85	1,877.08	1,808.85	1,325.21	483.64	3.740	
4,700.00	4,589.81	4,556.71	4,556.71	15.41	483.01	-92.644	377.85	1,877.08	1,810.13	1,316.16	493.98	3.664	
4,800.00	4,684.51	4,651.41	4,651.41	15.88	493.05	-93.606	377.85	1,877.08	1,811.98	1,307.67	504.32	3.593	
4,900.00	4,779.20	4,746.10	4,746.10	16.36	503.09	-94.566	377.85	1,877.08	1,814.40	1,299.74	514.66	3.525	
5,000.00	4,873.89	4,840.79	4,840.79	16.84	513.12	-95.523	377.85	1,877.08	1,817.38	1,292.37	525.02	3.462	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				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	
5,100.00	4,968.58	4,935.48	4,935.48	17.32	523.16	-96.477	377.85	1,877.08	1,820.93	1,285.55	535.38	3.401	
5,200.00	5,063.28	5,030.18	5,030.18	17.80	533.20	-97.428	377.85	1,877.08	1,825.04	1,279.29	545.75	3.344	
5,300.00	5,157.97	5,124.87	5,124.87	18.28	543.24	-98.374	377.85	1,877.08	1,829.70	1,273.57	556.13	3.290	
5,400.00	5,252.66	5,219.56	5,219.56	18.77	553.27	-99.316	377.85	1,877.08	1,834.91	1,268.40	566.51	3.239	
5,500.00	5,347.36	5,314.26	5,314.26	19.26	563.31	-100.252	377.85	1,877.08	1,840.67	1,263.76	576.90	3.191	
5,600.00	5,442.05	5,408.95	5,408.95	19.75	573.35	-101.184	377.85	1,877.08	1,846.97	1,259.67	587.31	3.145	
5,700.00	5,536.74	5,482.00	5,482.00	20.24	581.09	-101.898	377.85	1,877.08	1,853.93	1,258.57	595.36	3.114 ES, SF	
5,800.00	5,631.43	5,482.00	5,482.00	20.73	581.09	-101.898	377.85	1,877.08	1,864.81	1,270.26	594.55	3.136	
5,900.00	5,726.13	5,482.00	5,482.00	21.23	581.09	-101.898	377.85	1,877.08	1,880.94	1,288.67	592.27	3.176	
6,000.00	5,820.82	5,482.00	5,482.00	21.72	581.09	-101.898	377.85	1,877.08	1,902.20	1,313.59	588.61	3.232	
6,100.00	5,915.51	5,482.00	5,482.00	22.22	581.09	-101.898	377.85	1,877.08	1,928.42	1,344.72	583.70	3.304	
6,200.00	6,010.20	5,482.00	5,482.00	22.72	581.09	-101.898	377.85	1,877.08	1,959.40	1,381.72	577.68	3.392	
6,300.00	6,104.90	5,482.00	5,482.00	23.22	581.09	-101.898	377.85	1,877.08	1,994.91	1,424.20	570.71	3.495	
6,400.00	6,199.59	5,482.00	5,482.00	23.72	581.09	-101.898	377.85	1,877.08	2,034.73	1,471.77	562.96	3.614	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis			Offset Wellbore Centre			Distance			Minimum Separation	Separation Factor	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)			
0.00	0.00	1.01	1.01	0.00	0.01	-8.726	19.74	-3.03	19.97				
100.00	100.00	101.01	101.01	0.79	0.79	-8.726	19.74	-3.03	19.97	18.39	1.58	12.656	
200.00	200.00	201.01	201.01	1.45	1.45	-8.726	19.74	-3.03	19.97	17.07	2.90	6.894	
300.00	300.00	301.01	301.01	1.89	1.90	-8.726	19.74	-3.03	19.97	16.18	3.79	5.274	
400.00	400.00	401.01	401.01	2.25	2.26	-8.726	19.74	-3.03	19.97	15.46	4.51	4.428	
500.00	500.00	501.01	501.01	2.57	2.57	-8.726	19.74	-3.03	19.97	14.83	5.14	3.887	
600.00	600.00	601.01	601.01	2.85	2.85	-8.726	19.74	-3.03	19.97	14.27	5.70	3.503	
700.00	700.00	701.01	701.01	3.11	3.11	-8.726	19.74	-3.03	19.97	13.75	6.22	3.211	
800.00	800.00	801.01	801.01	3.35	3.35	-8.726	19.74	-3.03	19.97	13.27	6.70	2.981	
900.00	900.00	901.01	901.01	3.58	3.58	-8.726	19.74	-3.03	19.97	12.82	7.15	2.792	
1,000.00	1,000.00	1,001.01	1,001.01	3.79	3.79	-8.726	19.74	-3.03	19.97	12.39	7.58	2.634	
1,100.00	1,100.00	1,101.01	1,101.01	3.99	4.00	-8.726	19.74	-3.03	19.97	11.98	7.99	2.499	
1,200.00	1,200.00	1,201.01	1,201.01	4.19	4.19	-8.726	19.74	-3.03	19.97	11.59	8.38	2.382	
1,300.00	1,300.00	1,301.01	1,301.01	4.38	4.38	-8.726	19.74	-3.03	19.97	11.21	8.76	2.279	
1,400.00	1,400.00	1,401.01	1,401.01	4.56	4.56	-8.726	19.74	-3.03	19.97	10.84	9.13	2.188	
1,500.00	1,500.00	1,501.01	1,501.01	4.74	4.74	-8.726	19.74	-3.03	19.97	10.49	9.48	2.106	
1,600.00	1,600.00	1,601.01	1,601.01	4.91	4.91	-8.726	19.74	-3.03	19.97	10.15	9.82	2.033	
1,700.00	1,700.00	1,701.01	1,701.01	5.08	5.08	-8.726	19.74	-3.03	19.97	9.81	10.16	1.966	Level 3
1,800.00	1,800.00	1,801.01	1,801.01	5.24	5.24	-8.726	19.74	-3.03	19.97	9.48	10.49	1.904	Level 3
1,900.00	1,900.00	1,901.01	1,901.01	5.40	5.40	-8.726	19.74	-3.03	19.97	9.16	10.81	1.848	Level 3
2,000.00	2,000.00	2,001.01	2,001.01	5.56	5.56	-8.726	19.74	-3.03	19.97	8.85	11.12	1.796	Level 3, CC, ES, SF
2,100.00	2,099.98	2,100.99	2,100.99	5.78	5.71	-159.836	19.74	-3.03	21.60	10.12	11.48	1.881	Level 3
2,200.00	2,199.84	2,200.85	2,200.85	5.99	5.86	-163.700	19.74	-3.03	26.57	14.74	11.84	2.245	
2,300.00	2,299.45	2,300.46	2,300.46	6.21	6.01	-167.668	19.74	-3.03	35.03	22.81	12.21	2.868	
2,400.00	2,398.70	2,399.71	2,399.71	6.46	6.15	-170.803	19.74	-3.03	47.01	34.40	12.61	3.729	
2,500.00	2,497.47	2,498.48	2,498.48	6.73	6.30	-173.057	19.74	-3.03	62.50	49.48	13.02	4.801	
2,600.00	2,595.62	2,596.63	2,596.63	7.02	6.43	-174.643	19.74	-3.03	81.48	68.03	13.45	6.058	
2,700.00	2,693.06	2,694.07	2,694.07	7.33	6.57	-175.767	19.74	-3.03	103.90	90.00	13.90	7.475	
2,800.00	2,789.64	2,790.65	2,790.65	7.67	6.70	-176.579	19.74	-3.03	129.72	115.36	14.37	9.030	
2,900.00	2,885.27	2,886.28	2,886.28	8.02	6.83	-177.178	19.74	-3.03	158.92	144.07	14.85	10.703	
3,000.00	2,980.04	2,981.05	2,981.05	8.30	6.96	-177.640	19.74	-3.03	190.80	175.55	15.25	12.510	
3,100.00	3,074.73	3,075.74	3,075.74	8.63	7.08	-177.980	19.74	-3.03	222.93	207.22	15.71	14.191	
3,200.00	3,169.42	3,170.43	3,170.43	8.98	7.21	-178.234	19.74	-3.03	255.06	238.87	16.18	15.761	
3,300.00	3,264.12	3,265.13	3,265.13	9.34	7.33	-178.432	19.74	-3.03	287.19	270.52	16.67	17.227	
3,400.00	3,358.81	3,359.82	3,359.82	9.72	7.45	-178.590	19.74	-3.03	319.32	302.15	17.17	18.596	
3,500.00	3,453.50	3,454.51	3,454.51	10.11	7.57	-178.719	19.74	-3.03	351.46	333.78	17.68	19.875	
3,600.00	3,548.20	3,552.60	3,552.60	10.51	7.72	-178.763	19.75	-2.55	383.38	365.16	18.22	21.039	
3,700.00	3,642.89	3,654.62	3,654.55	10.93	7.90	-178.397	19.79	1.14	413.87	395.09	18.78	22.036	
3,800.00	3,737.58	3,757.48	3,757.14	11.35	8.08	-177.645	19.86	8.53	442.77	423.43	19.35	22.888	
3,900.00	3,832.27	3,860.93	3,859.97	11.78	8.28	-176.570	19.99	19.67	470.16	450.24	19.92	23.605	
4,000.00	3,926.97	3,964.68	3,962.65	12.21	8.51	-175.218	20.15	34.57	496.15	475.65	20.50	24.208	
4,100.00	4,021.66	4,068.49	4,064.76	12.66	8.75	-173.623	20.35	53.19	520.90	499.83	21.07	24.718	
4,200.00	4,116.35	4,172.06	4,165.91	13.10	8.98	-171.815	20.59	75.44	544.62	522.99	21.62	25.185	
4,300.00	4,211.04	4,267.98	4,259.20	13.56	9.18	-170.114	20.83	97.77	568.11	545.95	22.16	25.641	
4,400.00	4,305.74	4,363.81	4,352.39	14.01	9.41	-168.546	21.07	120.09	592.05	569.34	22.71	26.075	
4,500.00	4,400.43	4,459.64	4,445.59	14.48	9.66	-167.099	21.31	142.40	616.38	593.12	23.26	26.503	
4,600.00	4,495.12	4,555.47	4,538.79	14.94	9.93	-165.760	21.55	164.72	641.06	617.25	23.81	26.923	
4,700.00	4,589.81	4,651.31	4,631.98	15.41	10.21	-164.519	21.79	187.03	666.06	641.69	24.37	27.334	
4,800.00	4,684.51	4,747.14	4,725.18	15.88	10.50	-163.366	22.03	209.35	691.33	666.40	24.93	27.734	
4,900.00	4,779.20	4,842.97	4,818.37	16.36	10.80	-162.294	22.27	231.66	716.85	691.36	25.49	28.123	
5,000.00	4,873.89	4,938.80	4,911.57	16.84	11.12	-161.294	22.52	253.98	742.59	716.54	26.06	28.500	
5,100.00	4,968.58	5,034.63	5,004.76	17.32	11.44	-160.361	22.76	276.29	768.54	741.91	26.62	28.865	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	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)		
5,200.00	5,063.28	5,130.46	5,097.96	17.80	11.78	-159.488	23.00	298.61	794.66	767.46	27.20	29.219	
5,300.00	5,157.97	5,226.29	5,191.16	18.28	12.12	-158.669	23.24	320.93	820.95	793.18	27.77	29.560	
5,400.00	5,252.66	5,322.12	5,284.35	18.77	12.48	-157.902	23.48	343.24	847.38	819.03	28.35	29.889	
5,500.00	5,347.36	5,417.95	5,377.55	19.26	12.84	-157.180	23.72	365.56	873.95	845.02	28.93	30.207	
5,600.00	5,442.05	5,513.78	5,470.74	19.75	13.20	-156.500	23.96	387.87	900.65	871.13	29.52	30.513	
5,700.00	5,536.74	5,609.61	5,563.94	20.24	13.58	-155.859	24.20	410.19	927.45	897.35	30.10	30.807	
5,800.00	5,631.43	5,705.44	5,657.13	20.73	13.96	-155.254	24.44	432.50	954.36	923.66	30.70	31.091	
5,900.00	5,726.13	5,801.27	5,750.33	21.23	14.34	-154.682	24.69	454.82	981.36	950.07	31.29	31.363	
6,000.00	5,820.82	5,897.10	5,843.53	21.72	14.73	-154.140	24.93	477.13	1,008.45	976.56	31.89	31.625	
6,100.00	5,915.51	5,992.93	5,936.72	22.22	15.12	-153.626	25.17	499.45	1,035.62	1,003.13	32.49	31.878	
6,200.00	6,010.20	6,088.76	6,029.92	22.72	15.52	-153.139	25.41	521.76	1,062.86	1,029.77	33.09	32.120	
6,300.00	6,104.90	6,184.59	6,123.11	23.22	15.92	-152.675	25.65	544.08	1,090.17	1,056.47	33.70	32.353	
6,400.00	6,199.59	6,280.42	6,216.31	23.72	16.33	-152.235	25.89	566.39	1,117.54	1,083.24	34.30	32.577	
6,500.00	6,294.28	6,376.25	6,309.50	24.22	16.73	-151.815	26.13	588.71	1,144.98	1,110.06	34.92	32.792	
6,600.00	6,388.98	6,472.09	6,402.70	24.71	17.15	-151.442	26.37	611.03	1,172.45	1,136.92	35.52	33.005	
6,700.00	6,484.32	6,568.32	6,496.29	25.24	17.56	-151.266	26.61	633.43	1,198.20	1,162.05	36.16	33.139	
6,800.00	6,580.66	6,665.13	6,590.44	25.75	17.99	-150.998	26.86	655.98	1,221.07	1,184.31	36.76	33.220	
6,900.00	6,677.88	6,761.90	6,684.66	26.24	18.42	-150.667	27.10	678.03	1,241.06	1,203.74	37.32	33.252	
7,000.00	6,775.85	6,859.17	6,779.99	26.72	18.85	-150.383	27.30	697.31	1,258.22	1,220.36	37.86	33.233	
7,100.00	6,874.46	6,957.35	6,876.83	27.17	19.28	-150.153	27.48	713.47	1,272.49	1,234.12	38.37	33.160	
7,200.00	6,973.59	7,056.28	6,974.91	27.61	19.69	-149.975	27.62	726.39	1,283.83	1,244.98	38.85	33.042	
7,300.00	7,073.12	7,155.81	7,073.97	28.02	20.08	-149.846	27.72	735.96	1,292.19	1,252.90	39.30	32.881	
7,400.00	7,172.92	7,255.74	7,173.71	28.38	20.43	-149.765	27.79	742.11	1,297.55	1,257.86	39.70	32.686	
7,500.00	7,272.88	7,355.91	7,273.83	28.68	20.67	-149.731	27.82	744.78	1,299.89	1,259.87	40.02	32.481	
7,600.00	7,372.88	7,455.96	7,373.89	28.72	20.75	-0.334	27.82	744.89	1,300.00	1,259.87	40.13	32.392	
7,700.00	7,472.88	7,555.96	7,473.89	28.74	20.80	-0.334	27.82	744.89	1,300.00	1,259.76	40.24	32.306	
7,800.00	7,572.88	7,655.96	7,573.89	28.76	20.85	-0.334	27.82	744.89	1,300.00	1,259.66	40.34	32.225	
7,900.00	7,672.88	7,755.96	7,673.89	28.78	20.90	-0.334	27.82	744.89	1,300.00	1,259.56	40.44	32.144	
8,000.00	7,772.88	7,855.96	7,773.89	28.80	20.95	-0.334	27.82	744.89	1,300.00	1,259.46	40.54	32.064	
8,100.00	7,872.88	7,955.96	7,873.89	28.82	20.99	-0.334	27.82	744.89	1,300.00	1,259.36	40.65	31.983	
8,200.00	7,972.88	8,055.96	7,973.89	28.84	21.04	-0.334	27.82	744.89	1,300.00	1,259.25	40.75	31.903	
8,300.00	8,072.88	8,155.96	8,073.89	28.86	21.09	-0.334	27.82	744.89	1,300.00	1,259.15	40.85	31.823	
8,400.00	8,172.88	8,255.96	8,173.89	28.89	21.14	-0.334	27.82	744.89	1,300.00	1,259.05	40.95	31.743	
8,500.00	8,272.88	8,355.96	8,273.89	28.91	21.19	-0.334	27.82	744.89	1,300.00	1,258.94	41.06	31.663	
8,600.00	8,372.88	8,455.96	8,373.89	28.93	21.24	-0.334	27.82	744.89	1,300.00	1,258.84	41.16	31.584	
8,700.00	8,472.88	8,555.96	8,473.89	28.95	21.28	-0.334	27.82	744.89	1,300.00	1,258.74	41.26	31.504	
8,800.00	8,572.88	8,655.96	8,573.89	28.98	21.33	-0.334	27.82	744.89	1,300.00	1,258.63	41.37	31.425	
8,900.00	8,672.88	8,755.96	8,673.89	29.00	21.38	-0.334	27.82	744.89	1,300.00	1,258.53	41.47	31.346	
9,000.00	8,772.88	8,855.96	8,773.89	29.02	21.42	-0.334	27.82	744.89	1,300.00	1,258.42	41.58	31.264	
9,100.00	8,872.56	8,956.51	8,874.10	29.17	21.73	-90.155	27.84	751.55	1,300.00	1,258.31	41.69	31.181	
9,200.00	8,969.64	9,057.10	8,971.68	29.43	22.24	-90.140	27.91	775.46	1,300.00	1,258.06	41.94	30.998	
9,300.00	9,061.17	9,157.63	9,063.51	29.73	22.78	-90.122	28.03	816.01	1,300.00	1,257.64	42.36	30.687	
9,317.05	9,076.02	9,174.76	9,078.40	29.78	22.87	-90.118	28.06	824.50	1,300.00	1,257.53	42.47	30.613	
9,400.00	9,144.37	9,258.07	9,146.80	30.03	23.31	-90.099	28.20	871.92	1,300.00	1,256.99	43.01	30.225	
9,419.23	9,159.20	9,277.37	9,161.61	30.09	23.41	-90.095	28.23	884.29	1,300.00	1,256.82	43.18	30.109	
9,500.00	9,216.72	9,358.41	9,219.00	30.33	23.79	-90.074	28.40	941.43	1,300.00	1,256.07	43.93	29.591	
9,521.68	9,230.75	9,380.15	9,232.96	30.40	23.89	-90.068	28.45	958.08	1,300.00	1,255.81	44.19	29.421	
9,600.00	9,276.01	9,458.65	9,277.92	30.65	24.20	-90.047	28.65	1,022.36	1,300.00	1,254.82	45.18	28.776	
9,626.08	9,289.09	9,484.77	9,290.88	30.73	24.29	-90.039	28.71	1,045.04	1,300.00	1,254.42	45.58	28.524	
9,700.00	9,320.44	9,558.77	9,321.82	30.99	24.52	-90.018	28.91	1,112.20	1,300.00	1,253.22	46.78	27.792	
9,751.57	9,337.08	9,610.36	9,338.15	31.18	24.64	-90.002	29.06	1,161.12	1,300.00	1,252.24	47.75	27.222	
9,800.00	9,348.66	9,658.78	9,349.41	31.38	24.73	-89.988	29.20	1,208.20	1,300.00	1,251.28	48.71	26.686	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	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)		
9,814.52	9,351.36	9,673.29	9,352.01	31.44	24.74	-89.984	29.24	1,222.47	1,300.00	1,250.97	49.03	26.514	
9,900.00	9,359.83	9,758.68	9,359.91	31.84	24.82	-89.959	29.50	1,307.41	1,300.00	1,249.07	50.92	25.528	
9,978.01	9,361.00	9,836.65	9,360.00	32.29	24.84	-89.911	29.73	1,385.39	1,300.00	1,247.19	52.81	24.616	
10,000.00	9,360.00	9,858.66	9,360.00	32.43	24.85	-89.955	29.79	1,407.39	1,300.00	1,246.64	53.36	24.362	
10,023.31	9,360.00	9,881.96	9,360.00	32.59	24.86	-89.955	29.86	1,430.70	1,300.00	1,246.04	53.96	24.091	
10,100.00	9,360.00	9,958.66	9,360.00	33.17	24.89	-89.955	30.09	1,507.39	1,300.00	1,244.01	55.99	23.219	
10,123.31	9,360.00	9,981.96	9,360.00	33.38	24.91	-89.955	30.16	1,530.70	1,300.00	1,243.37	56.63	22.955	
10,200.00	9,360.00	10,058.66	9,360.00	34.07	25.53	-89.955	30.39	1,607.39	1,300.00	1,241.21	58.79	22.114	
10,223.31	9,360.00	10,081.96	9,360.00	34.31	25.90	-89.955	30.46	1,630.70	1,300.00	1,240.53	59.46	21.862	
10,300.00	9,360.00	10,158.66	9,360.00	35.12	27.18	-89.955	30.69	1,707.39	1,300.00	1,238.27	61.73	21.060	
10,323.31	9,360.00	10,181.96	9,360.00	35.38	27.58	-89.955	30.76	1,730.70	1,300.00	1,237.56	62.44	20.821	
10,400.00	9,360.00	10,258.66	9,360.00	36.29	28.91	-89.955	30.99	1,807.39	1,300.00	1,235.20	64.80	20.063	
10,423.31	9,360.00	10,281.96	9,360.00	36.58	29.32	-89.955	31.06	1,830.70	1,300.00	1,234.47	65.53	19.838	
10,500.00	9,360.00	10,358.66	9,360.00	37.57	30.69	-89.955	31.29	1,907.39	1,300.00	1,232.03	67.97	19.126	
10,523.31	9,360.00	10,381.96	9,360.00	37.88	31.10	-89.955	31.35	1,930.70	1,300.00	1,231.27	68.73	18.915	
10,600.00	9,360.00	10,458.66	9,360.00	38.94	32.50	-89.955	31.58	2,007.39	1,300.00	1,228.75	71.24	18.247	
10,623.31	9,360.00	10,481.96	9,360.00	39.27	32.92	-89.955	31.65	2,030.70	1,300.00	1,227.98	72.02	18.050	
10,700.00	9,360.00	10,558.66	9,360.00	40.39	34.34	-89.955	31.88	2,107.39	1,300.00	1,225.40	74.60	17.427	
10,723.31	9,360.00	10,581.96	9,360.00	40.74	34.77	-89.955	31.95	2,130.70	1,300.00	1,224.61	75.39	17.243	
10,800.00	9,360.00	10,658.66	9,360.00	41.91	36.20	-89.955	32.18	2,207.39	1,300.00	1,221.97	78.02	16.662	
10,823.31	9,360.00	10,681.96	9,360.00	42.27	36.64	-89.955	32.25	2,230.69	1,300.00	1,221.16	78.83	16.490	
10,900.00	9,360.00	10,758.66	9,360.00	43.48	38.09	-89.955	32.48	2,307.39	1,300.00	1,218.48	81.51	15.948	
10,923.31	9,360.00	10,781.96	9,360.00	43.86	38.53	-89.955	32.55	2,330.69	1,300.00	1,217.66	82.34	15.789	
11,000.00	9,360.00	10,858.66	9,360.00	45.10	39.99	-89.955	32.78	2,407.39	1,300.00	1,214.94	85.06	15.283	
11,023.31	9,360.00	10,881.96	9,360.00	45.49	40.44	-89.955	32.85	2,430.69	1,300.00	1,214.10	85.90	15.135	
11,100.00	9,360.00	10,958.66	9,360.00	46.77	41.91	-89.955	33.07	2,507.39	1,300.00	1,211.34	88.66	14.663	
11,123.31	9,360.00	10,981.96	9,360.00	47.16	42.36	-89.955	33.14	2,530.69	1,300.00	1,210.49	89.50	14.525	
11,200.00	9,360.00	11,058.66	9,360.00	48.46	43.85	-89.955	33.37	2,607.39	1,300.00	1,207.70	92.30	14.085	
11,223.31	9,360.00	11,081.96	9,360.00	48.87	44.30	-89.955	33.44	2,630.69	1,300.00	1,206.85	93.15	13.956	
11,300.00	9,360.00	11,158.66	9,360.00	50.19	45.79	-89.955	33.67	2,707.39	1,300.00	1,204.02	95.98	13.545	
11,323.31	9,360.00	11,181.96	9,360.00	50.60	46.25	-89.955	33.74	2,730.69	1,300.00	1,203.16	96.84	13.424	
11,400.00	9,360.00	11,258.66	9,360.00	51.95	47.75	-89.955	33.97	2,807.39	1,300.00	1,200.31	99.69	13.040	
11,423.31	9,360.00	11,281.96	9,360.00	52.36	48.21	-89.955	34.04	2,830.69	1,300.00	1,199.44	100.56	12.927	
11,500.00	9,360.00	11,358.66	9,360.00	53.73	49.71	-89.955	34.27	2,907.39	1,300.00	1,196.56	103.44	12.568	
11,523.31	9,360.00	11,381.96	9,360.00	54.15	50.17	-89.955	34.34	2,930.69	1,300.00	1,195.68	104.32	12.462	
11,600.00	9,360.00	11,458.66	9,360.00	55.53	51.69	-89.955	34.57	3,007.38	1,300.00	1,192.79	107.21	12.126	
11,623.31	9,360.00	11,481.96	9,360.00	55.96	52.15	-89.955	34.63	3,030.69	1,300.00	1,191.90	108.10	12.026	
11,700.00	9,360.00	11,558.66	9,360.00	57.35	53.67	-89.955	34.86	3,107.38	1,300.00	1,188.99	111.01	11.711	
11,723.31	9,360.00	11,581.96	9,360.00	57.78	54.13	-89.955	34.93	3,130.69	1,300.00	1,188.10	111.90	11.617	
11,800.00	9,360.00	11,658.66	9,360.00	59.19	55.66	-89.955	35.16	3,207.38	1,300.00	1,185.16	114.83	11.321	
11,823.31	9,360.00	11,681.96	9,360.00	59.62	56.12	-89.955	35.23	3,230.69	1,300.00	1,184.27	115.73	11.233	
11,900.00	9,360.00	11,758.66	9,360.00	61.05	57.65	-89.955	35.46	3,307.38	1,300.00	1,181.32	118.68	10.954	
11,923.31	9,360.00	11,781.96	9,360.00	61.48	58.11	-89.955	35.53	3,330.69	1,300.00	1,180.42	119.58	10.872	
12,000.00	9,360.00	11,858.66	9,360.00	62.91	59.65	-89.955	35.76	3,407.38	1,300.00	1,177.46	122.54	10.609	
12,023.31	9,360.00	11,881.96	9,360.00	63.35	60.11	-89.955	35.83	3,430.69	1,300.00	1,176.56	123.44	10.531	
12,100.00	9,360.00	11,958.66	9,360.00	64.79	61.65	-89.955	36.06	3,507.38	1,300.00	1,173.58	126.42	10.283	
12,123.31	9,360.00	11,981.96	9,360.00	65.23	62.12	-89.955	36.13	3,530.69	1,300.00	1,172.67	127.33	10.210	
12,200.00	9,360.00	12,058.66	9,360.00	66.69	63.66	-89.955	36.35	3,607.38	1,300.00	1,169.68	130.31	9.976	
12,223.31	9,360.00	12,081.96	9,360.00	67.13	64.13	-89.955	36.42	3,630.69	1,300.00	1,168.77	131.22	9.907	
12,300.00	9,360.00	12,158.66	9,360.00	68.59	65.67	-89.955	36.65	3,707.38	1,300.00	1,165.77	134.22	9.685	
12,323.31	9,360.00	12,181.96	9,360.00	69.03	66.14	-89.955	36.72	3,730.69	1,300.00	1,164.86	135.14	9.620	
12,400.00	9,360.00	12,258.66	9,360.00	70.50	67.68	-89.955	36.95	3,807.38	1,300.00	1,161.85	138.15	9.410	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				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	
12,423.31	9,360.00	12,281.96	9,360.00	70.95	68.15	-89.955	37.02	3,830.69	1,300.00	1,160.94	139.06	9.348	
12,500.00	9,360.00	12,358.66	9,360.00	72.42	69.70	-89.955	37.25	3,907.38	1,300.00	1,157.92	142.08	9.150	
12,523.31	9,360.00	12,381.96	9,360.00	72.87	70.17	-89.955	37.32	3,930.69	1,300.00	1,157.00	143.00	9.091	
12,600.00	9,360.00	12,458.66	9,360.00	74.35	71.72	-89.955	37.55	4,007.38	1,300.00	1,153.97	146.03	8.902	
12,623.31	9,360.00	12,481.96	9,360.00	74.80	72.19	-89.955	37.62	4,030.69	1,300.00	1,153.05	146.95	8.847	
12,700.00	9,360.00	12,558.66	9,360.00	76.28	73.75	-89.955	37.85	4,107.38	1,300.00	1,150.01	149.98	8.668	
12,723.31	9,360.00	12,581.96	9,360.00	76.74	74.22	-89.955	37.92	4,130.69	1,300.00	1,149.09	150.91	8.615	
12,800.00	9,360.00	12,658.66	9,360.00	78.23	75.77	-89.955	38.14	4,207.38	1,300.00	1,146.05	153.95	8.444	
12,823.31	9,360.00	12,681.96	9,360.00	78.68	76.25	-89.955	38.21	4,230.69	1,300.00	1,145.12	154.88	8.394	
12,900.00	9,360.00	12,758.66	9,360.00	80.17	77.80	-89.955	38.44	4,307.38	1,300.00	1,142.07	157.92	8.232	
12,923.31	9,360.00	12,781.96	9,360.00	80.63	78.27	-89.955	38.51	4,330.69	1,300.00	1,141.15	158.85	8.184	
13,000.00	9,360.00	12,858.66	9,360.00	82.13	79.83	-89.955	38.74	4,407.38	1,300.00	1,138.09	161.91	8.029	
13,023.31	9,360.00	12,881.96	9,360.00	82.59	80.31	-89.955	38.81	4,430.69	1,300.00	1,137.16	162.84	7.983	
13,100.00	9,360.00	12,958.66	9,360.00	84.09	81.86	-89.955	39.04	4,507.38	1,300.00	1,134.10	165.90	7.836	
13,123.31	9,360.00	12,981.96	9,360.00	84.55	82.34	-89.955	39.11	4,530.68	1,300.00	1,133.17	166.83	7.792	
13,200.00	9,360.00	13,058.66	9,360.00	86.05	83.90	-89.955	39.34	4,607.38	1,300.00	1,130.10	169.90	7.652	
13,223.31	9,360.00	13,081.96	9,360.00	86.51	84.37	-89.955	39.41	4,630.68	1,300.00	1,129.17	170.83	7.610	
13,300.00	9,360.00	13,158.66	9,360.00	88.02	85.93	-89.955	39.64	4,707.38	1,300.00	1,126.10	173.90	7.476	
13,323.31	9,360.00	13,181.96	9,360.00	88.48	86.41	-89.955	39.70	4,730.68	1,300.00	1,125.16	174.83	7.436	
13,400.00	9,360.00	13,258.66	9,360.00	90.00	87.97	-89.955	39.93	4,807.38	1,300.00	1,122.09	177.91	7.307	
13,423.31	9,360.00	13,281.96	9,360.00	90.46	88.45	-89.955	40.00	4,830.68	1,300.00	1,121.15	178.85	7.269	
13,500.00	9,360.00	13,358.66	9,360.00	91.98	90.01	-89.955	40.23	4,907.38	1,300.00	1,118.07	181.93	7.146	
13,523.31	9,360.00	13,381.96	9,360.00	92.44	90.49	-89.955	40.30	4,930.68	1,300.00	1,117.14	182.86	7.109	
13,600.00	9,360.00	13,458.66	9,360.00	93.96	92.05	-89.955	40.53	5,007.38	1,300.00	1,114.05	185.95	6.991	
13,623.31	9,360.00	13,481.96	9,360.00	94.42	92.53	-89.955	40.60	5,030.68	1,300.00	1,113.11	186.89	6.956	
13,700.00	9,360.00	13,558.66	9,360.00	95.95	94.09	-89.955	40.83	5,107.38	1,300.00	1,110.02	189.97	6.843	
13,723.31	9,360.00	13,581.96	9,360.00	96.41	94.57	-89.955	40.90	5,130.68	1,300.00	1,109.09	190.91	6.809	
13,800.00	9,360.00	13,658.66	9,360.00	97.94	96.14	-89.955	41.13	5,207.38	1,300.00	1,105.99	194.00	6.701	
13,823.31	9,360.00	13,681.96	9,360.00	98.40	96.61	-89.955	41.20	5,230.68	1,300.00	1,105.05	194.95	6.669	
13,900.00	9,360.00	13,758.66	9,360.00	99.93	98.18	-89.955	41.42	5,307.37	1,300.00	1,101.96	198.04	6.564	
13,923.31	9,360.00	13,781.96	9,360.00	100.39	98.66	-89.955	41.49	5,330.68	1,300.00	1,101.02	198.98	6.533	
14,000.00	9,360.00	13,858.66	9,360.00	101.92	100.23	-89.955	41.72	5,407.37	1,300.00	1,097.92	202.08	6.433	
14,023.31	9,360.00	13,881.96	9,360.00	102.39	100.70	-89.955	41.79	5,430.68	1,300.00	1,096.98	203.02	6.403	
14,100.00	9,360.00	13,958.66	9,360.00	103.92	102.27	-89.955	42.02	5,507.37	1,300.00	1,093.87	206.12	6.307	
14,123.31	9,360.00	13,981.96	9,360.00	104.39	102.75	-89.955	42.09	5,530.68	1,300.00	1,092.93	207.07	6.278	
14,200.00	9,360.00	14,058.66	9,360.00	105.92	104.32	-89.955	42.32	5,607.37	1,300.00	1,089.83	210.17	6.185	
14,223.31	9,360.00	14,081.96	9,360.00	106.39	104.80	-89.955	42.39	5,630.68	1,300.00	1,088.88	211.12	6.158	
14,300.00	9,360.00	14,158.66	9,360.00	107.93	106.37	-89.955	42.62	5,707.37	1,300.00	1,085.78	214.22	6.068	
14,323.31	9,360.00	14,181.96	9,360.00	108.40	106.84	-89.955	42.69	5,730.68	1,300.00	1,084.83	215.17	6.042	
14,400.00	9,360.00	14,258.66	9,360.00	109.93	108.42	-89.955	42.92	5,807.37	1,300.00	1,081.72	218.28	5.956	
14,423.31	9,360.00	14,281.96	9,360.00	110.40	108.89	-89.955	42.98	5,830.68	1,300.00	1,080.78	219.22	5.930	
14,500.00	9,360.00	14,358.66	9,360.00	111.94	110.47	-89.955	43.21	5,907.37	1,300.00	1,077.66	222.33	5.847	
14,523.31	9,360.00	14,381.96	9,360.00	112.41	110.94	-89.955	43.28	5,930.68	1,300.00	1,076.72	223.28	5.822	
14,600.00	9,360.00	14,458.66	9,360.00	113.95	112.52	-89.955	43.51	6,007.37	1,300.00	1,073.60	226.39	5.742	
14,623.31	9,360.00	14,481.96	9,360.00	114.42	112.99	-89.955	43.58	6,030.68	1,300.00	1,072.66	227.34	5.718	
14,700.00	9,360.00	14,558.66	9,360.00	115.97	114.57	-89.955	43.81	6,107.37	1,300.00	1,069.54	230.46	5.641	
14,723.31	9,360.00	14,581.96	9,360.00	116.43	115.05	-89.955	43.88	6,130.68	1,300.00	1,068.59	231.40	5.618	
14,800.00	9,360.00	14,658.66	9,360.00	117.98	116.62	-89.955	44.11	6,207.37	1,300.00	1,065.48	234.52	5.543	
14,823.31	9,360.00	14,681.96	9,360.00	118.45	117.10	-89.955	44.18	6,230.68	1,300.00	1,064.53	235.47	5.521	
14,900.00	9,360.00	14,758.66	9,360.00	120.00	118.67	-89.955	44.41	6,307.37	1,300.00	1,061.41	238.59	5.449	
14,923.31	9,360.00	14,781.96	9,360.00	120.47	119.15	-89.955	44.48	6,330.68	1,300.00	1,060.46	239.54	5.427	
15,000.00	9,360.00	14,858.66	9,360.00	122.01	120.72	-89.955	44.70	6,407.37	1,300.00	1,057.34	242.66	5.357	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)		
15,023.31	9,360.00	14,881.96	9,360.00	122.49	121.20	-89.955	44.77	6,430.68	1,300.00	1,056.39	243.61	5.336	
15,100.00	9,360.00	14,958.66	9,360.00	124.03	122.78	-89.955	45.00	6,507.37	1,300.00	1,053.26	246.74	5.269	
15,123.31	9,360.00	14,981.96	9,360.00	124.51	123.26	-89.955	45.07	6,530.68	1,300.00	1,052.31	247.69	5.249	
15,200.00	9,360.00	15,058.66	9,360.00	126.06	124.83	-89.955	45.30	6,607.37	1,300.00	1,049.19	250.81	5.183	
15,223.31	9,360.00	15,081.96	9,360.00	126.53	125.31	-89.955	45.37	6,630.68	1,300.00	1,048.24	251.76	5.164	
15,300.00	9,360.00	15,158.66	9,360.00	128.08	126.89	-89.955	45.60	6,707.37	1,300.00	1,045.11	254.89	5.100	
15,323.31	9,360.00	15,181.96	9,360.00	128.55	127.37	-89.955	45.67	6,730.68	1,300.00	1,044.16	255.84	5.081	
15,400.00	9,360.00	15,258.66	9,360.00	130.10	128.94	-89.955	45.90	6,807.37	1,300.00	1,041.03	258.97	5.020	
15,423.31	9,360.00	15,281.96	9,360.00	130.58	129.42	-89.955	45.97	6,830.67	1,300.00	1,040.08	259.92	5.002	
15,500.00	9,360.00	15,358.66	9,360.00	132.13	131.00	-89.955	46.20	6,907.37	1,300.00	1,036.95	263.05	4.942	
15,523.31	9,360.00	15,381.96	9,360.00	132.60	131.48	-89.955	46.27	6,930.67	1,300.00	1,036.00	264.00	4.924	
15,600.00	9,360.00	15,458.66	9,360.00	134.16	133.05	-89.955	46.49	7,007.37	1,300.00	1,032.87	267.13	4.867	
15,623.31	9,360.00	15,481.96	9,360.00	134.63	133.53	-89.955	46.56	7,030.67	1,300.00	1,031.92	268.08	4.849	
15,700.00	9,360.00	15,558.66	9,360.00	136.18	135.11	-89.955	46.79	7,107.37	1,300.00	1,028.78	271.22	4.793	
15,723.31	9,360.00	15,581.96	9,360.00	136.66	135.59	-89.955	46.86	7,130.67	1,300.00	1,027.83	272.17	4.776	
15,800.00	9,360.00	15,658.66	9,360.00	138.21	137.17	-89.955	47.09	7,207.37	1,300.00	1,024.70	275.30	4.722	
15,823.31	9,360.00	15,681.96	9,360.00	138.69	137.65	-89.955	47.16	7,230.67	1,300.00	1,023.74	276.25	4.706	
15,900.00	9,360.00	15,758.66	9,360.00	140.24	139.22	-89.955	47.39	7,307.37	1,300.00	1,020.61	279.39	4.653	
15,923.31	9,360.00	15,781.96	9,360.00	140.72	139.70	-89.955	47.46	7,330.67	1,300.00	1,019.66	280.34	4.637	
16,000.00	9,360.00	15,858.66	9,360.00	142.28	141.28	-89.955	47.69	7,407.37	1,300.00	1,016.52	283.48	4.586	
16,023.31	9,360.00	15,881.96	9,360.00	142.75	141.76	-89.955	47.76	7,430.67	1,300.00	1,015.57	284.43	4.571	
16,100.00	9,360.00	15,958.66	9,360.00	144.31	143.34	-89.955	47.98	7,507.36	1,300.00	1,012.43	287.57	4.521	
16,123.31	9,360.00	15,981.96	9,360.00	144.78	143.82	-89.955	48.05	7,530.67	1,300.00	1,011.48	288.52	4.506	
16,200.00	9,360.00	16,058.66	9,360.00	146.34	145.40	-89.955	48.28	7,607.36	1,300.00	1,008.34	291.66	4.457	
16,223.31	9,360.00	16,081.96	9,360.00	146.82	145.88	-89.955	48.35	7,630.67	1,300.00	1,007.38	292.62	4.443	
16,300.00	9,360.00	16,158.66	9,360.00	148.38	147.46	-89.955	48.58	7,707.36	1,300.00	1,004.24	295.76	4.396	
16,323.31	9,360.00	16,181.96	9,360.00	148.85	147.94	-89.955	48.65	7,730.67	1,300.00	1,003.29	296.71	4.381	
16,400.00	9,360.00	16,258.66	9,360.00	150.41	149.51	-89.955	48.88	7,807.36	1,300.00	1,000.15	299.85	4.335	
16,423.31	9,360.00	16,281.96	9,360.00	150.89	149.99	-89.955	48.95	7,830.67	1,300.00	999.19	300.80	4.322	
16,500.00	9,360.00	16,358.66	9,360.00	152.45	151.57	-89.955	49.18	7,907.36	1,300.00	996.05	303.95	4.277	
16,523.31	9,360.00	16,381.96	9,360.00	152.92	152.05	-89.955	49.25	7,930.67	1,300.00	995.10	304.90	4.264	
16,600.00	9,360.00	16,458.66	9,360.00	154.49	153.63	-89.955	49.48	8,007.36	1,300.00	991.96	308.04	4.220	
16,623.31	9,360.00	16,481.96	9,360.00	154.96	154.11	-89.955	49.55	8,030.67	1,300.00	991.00	309.00	4.207	
16,700.00	9,360.00	16,558.66	9,360.00	156.53	155.69	-89.955	49.77	8,107.36	1,300.00	987.86	312.14	4.165	
16,723.31	9,360.00	16,581.96	9,360.00	157.00	156.17	-89.955	49.84	8,130.67	1,300.00	986.90	313.10	4.152	
16,800.00	9,360.00	16,658.66	9,360.00	158.57	157.75	-89.955	50.07	8,207.36	1,300.00	983.76	316.24	4.111	
16,823.31	9,360.00	16,681.96	9,360.00	159.04	158.23	-89.955	50.14	8,230.67	1,300.00	982.80	317.20	4.098	
16,900.00	9,360.00	16,758.66	9,360.00	160.61	159.81	-89.955	50.37	8,307.36	1,300.00	979.66	320.34	4.058	
16,923.31	9,360.00	16,781.96	9,360.00	161.08	160.29	-89.955	50.44	8,330.67	1,300.00	978.70	321.30	4.046	
17,000.00	9,360.00	16,858.66	9,360.00	162.65	161.87	-89.955	50.67	8,407.36	1,300.00	975.56	324.44	4.007	
17,023.31	9,360.00	16,881.96	9,360.00	163.12	162.35	-89.955	50.74	8,430.67	1,300.00	974.60	325.40	3.995	
17,100.00	9,360.00	16,958.66	9,360.00	164.69	163.93	-89.955	50.97	8,507.36	1,300.00	971.45	328.54	3.957	
17,123.31	9,360.00	16,981.96	9,360.00	165.16	164.41	-89.955	51.04	8,530.67	1,300.00	970.50	329.50	3.945	
17,200.00	9,360.00	17,058.66	9,360.00	166.73	165.99	-89.955	51.27	8,607.36	1,300.00	967.35	332.65	3.908	
17,223.31	9,360.00	17,081.96	9,360.00	167.21	166.48	-89.955	51.33	8,630.67	1,300.00	966.39	333.60	3.897	
17,300.00	9,360.00	17,158.66	9,360.00	168.77	168.06	-89.955	51.56	8,707.36	1,300.00	963.25	336.75	3.860	
17,323.31	9,360.00	17,181.96	9,360.00	169.25	168.54	-89.955	51.63	8,730.67	1,300.00	962.29	337.71	3.849	
17,400.00	9,360.00	17,258.66	9,360.00	170.82	170.12	-89.955	51.86	8,807.36	1,300.00	959.14	340.86	3.814	
17,423.31	9,360.00	17,281.96	9,360.00	171.29	170.60	-89.955	51.93	8,830.67	1,300.00	958.19	341.81	3.803	
17,500.00	9,360.00	17,358.66	9,360.00	172.86	172.18	-89.955	52.16	8,907.36	1,300.00	955.04	344.96	3.769	
17,523.31	9,360.00	17,381.96	9,360.00	173.34	172.66	-89.955	52.23	8,930.67	1,300.00	954.08	345.92	3.758	
17,600.00	9,360.00	17,458.66	9,360.00	174.90	174.24	-89.955	52.46	9,007.36	1,300.00	950.93	349.07	3.724	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
17,623.31	9,360.00	17,481.96	9,360.00	175.38	174.72	-89.955	52.53	9,030.66	1,300.00	949.97	350.03	3.714	
17,700.00	9,360.00	17,558.66	9,360.00	176.95	176.30	-89.955	52.76	9,107.36	1,300.00	946.82	353.18	3.681	
17,723.31	9,360.00	17,581.96	9,360.00	177.43	176.78	-89.955	52.83	9,130.66	1,300.00	945.87	354.13	3.671	
17,800.00	9,360.00	17,658.66	9,360.00	178.99	178.36	-89.955	53.05	9,207.36	1,300.00	942.71	357.28	3.639	
17,823.31	9,360.00	17,681.96	9,360.00	179.47	178.85	-89.955	53.12	9,230.66	1,300.00	941.76	358.24	3.629	
17,900.00	9,360.00	17,758.66	9,360.00	181.04	180.43	-89.955	53.35	9,307.36	1,300.00	938.61	361.39	3.597	
17,923.31	9,360.00	17,781.96	9,360.00	181.52	180.91	-89.955	53.42	9,330.66	1,300.00	937.65	362.35	3.588	
18,000.00	9,360.00	17,858.66	9,360.00	183.09	182.49	-89.955	53.65	9,407.36	1,300.00	934.50	365.50	3.557	
18,023.31	9,360.00	17,881.96	9,360.00	183.56	182.97	-89.955	53.72	9,430.66	1,300.00	933.54	366.46	3.547	
18,100.00	9,360.00	17,958.66	9,360.00	185.14	184.55	-89.955	53.95	9,507.36	1,300.00	930.39	369.61	3.517	
18,123.31	9,360.00	17,981.96	9,360.00	185.61	185.03	-89.955	54.02	9,530.66	1,300.00	929.43	370.57	3.508	
18,200.00	9,360.00	18,058.66	9,360.00	187.18	186.62	-89.955	54.25	9,607.36	1,300.00	926.28	373.72	3.479	
18,223.31	9,360.00	18,081.96	9,360.00	187.66	187.10	-89.955	54.32	9,630.66	1,300.00	925.32	374.68	3.470	
18,300.00	9,360.00	18,158.66	9,360.00	189.23	188.68	-89.955	54.55	9,707.36	1,300.00	922.16	377.84	3.441	
18,323.31	9,360.00	18,181.96	9,360.00	189.71	189.16	-89.955	54.61	9,730.66	1,300.00	921.21	378.79	3.432	
18,400.00	9,360.00	18,258.66	9,360.00	191.28	190.74	-89.955	54.84	9,807.35	1,300.00	918.05	381.95	3.404	
18,423.31	9,360.00	18,281.96	9,360.00	191.76	191.22	-89.955	54.91	9,830.66	1,300.00	917.09	382.91	3.395	
18,500.00	9,360.00	18,358.66	9,360.00	193.33	192.80	-89.955	55.14	9,907.35	1,300.00	913.94	386.06	3.367	
18,523.31	9,360.00	18,381.96	9,360.00	193.81	193.29	-89.955	55.21	9,930.66	1,300.00	912.98	387.02	3.359	
18,600.00	9,360.00	18,458.66	9,360.00	195.38	194.87	-89.955	55.44	10,007.35	1,300.00	909.83	390.17	3.332	
18,623.31	9,360.00	18,481.96	9,360.00	195.86	195.35	-89.955	55.51	10,030.66	1,300.00	908.87	391.13	3.324	
18,700.00	9,360.00	18,558.66	9,360.00	197.43	196.93	-89.955	55.74	10,107.35	1,300.00	905.71	394.29	3.297	
18,723.31	9,360.00	18,581.96	9,360.00	197.91	197.41	-89.955	55.81	10,130.66	1,300.00	904.75	395.25	3.289	
18,800.00	9,360.00	18,658.66	9,360.00	199.48	199.00	-89.955	56.04	10,207.35	1,300.00	901.60	398.40	3.263	
18,823.31	9,360.00	18,681.96	9,360.00	199.96	199.48	-89.955	56.11	10,230.66	1,300.00	900.64	399.36	3.255	
18,900.00	9,360.00	18,758.66	9,360.00	201.53	201.06	-89.955	56.33	10,307.35	1,300.00	897.48	402.52	3.230	
18,923.31	9,360.00	18,781.96	9,360.00	202.01	201.54	-89.955	56.40	10,330.66	1,300.00	896.52	403.48	3.222	
19,000.00	9,360.00	18,858.66	9,360.00	203.58	203.12	-89.955	56.63	10,407.35	1,300.00	893.37	406.63	3.197	
19,023.31	9,360.00	18,881.96	9,360.00	204.06	203.60	-89.955	56.70	10,430.66	1,300.00	892.41	407.59	3.189	
19,100.00	9,360.00	18,958.66	9,360.00	205.63	205.19	-89.955	56.93	10,507.35	1,300.00	889.25	410.75	3.165	
19,123.31	9,360.00	18,981.96	9,360.00	206.11	205.67	-89.955	57.00	10,530.66	1,300.00	888.29	411.71	3.158	
19,200.00	9,360.00	19,058.66	9,360.00	207.68	207.25	-89.955	57.23	10,607.35	1,300.00	885.14	414.86	3.134	
19,223.31	9,360.00	19,081.96	9,360.00	208.16	207.73	-89.955	57.30	10,630.66	1,300.00	884.18	415.82	3.126	
19,300.00	9,360.00	19,158.66	9,360.00	209.74	209.32	-89.955	57.53	10,707.35	1,300.00	881.02	418.98	3.103	
19,323.31	9,360.00	19,181.96	9,360.00	210.21	209.80	-89.955	57.60	10,730.66	1,300.00	880.06	419.94	3.096	
19,400.00	9,360.00	19,258.66	9,360.00	211.79	211.38	-89.955	57.83	10,807.35	1,300.00	876.90	423.10	3.073	
19,423.31	9,360.00	19,281.96	9,360.00	212.27	211.86	-89.955	57.90	10,830.66	1,300.00	875.94	424.06	3.066	
19,500.00	9,360.00	19,358.66	9,360.00	213.84	213.44	-89.955	58.12	10,907.35	1,300.00	872.78	427.22	3.043	
19,523.31	9,360.00	19,381.96	9,360.00	214.32	213.93	-89.955	58.19	10,930.66	1,300.00	871.82	428.18	3.036	
19,600.00	9,360.00	19,458.66	9,360.00	215.89	215.51	-89.955	58.42	11,007.35	1,300.00	868.67	431.33	3.014	
19,623.31	9,360.00	19,481.96	9,360.00	216.37	215.99	-89.955	58.49	11,030.66	1,300.00	867.71	432.29	3.007	
19,700.00	9,360.00	19,558.66	9,360.00	217.95	217.57	-89.955	58.72	11,107.35	1,300.00	864.55	435.45	2.985	
19,723.31	9,360.00	19,581.96	9,360.00	218.43	218.05	-89.955	58.79	11,130.66	1,300.00	863.59	436.41	2.979	
19,800.00	9,360.00	19,658.66	9,360.00	220.00	219.64	-89.955	59.02	11,207.35	1,300.00	860.43	439.57	2.957	
19,823.31	9,360.00	19,681.96	9,360.00	220.48	220.12	-89.955	59.09	11,230.66	1,300.00	859.47	440.53	2.951	
19,900.00	9,360.00	19,758.66	9,360.00	222.06	221.70	-89.955	59.32	11,307.35	1,300.00	856.31	443.69	2.930	
19,923.31	9,360.00	19,781.96	9,360.00	222.54	222.18	-89.955	59.39	11,330.65	1,300.00	855.35	444.65	2.924	
20,000.00	9,360.00	19,858.66	9,360.00	224.11	223.77	-89.955	59.62	11,407.35	1,300.00	852.19	447.81	2.903	
20,023.31	9,360.00	19,881.96	9,360.00	224.59	224.25	-89.955	59.68	11,430.65	1,300.00	851.23	448.77	2.897	
20,100.00	9,360.00	19,958.66	9,360.00	226.17	225.83	-89.955	59.91	11,507.35	1,300.00	848.07	451.93	2.877	
20,123.31	9,360.00	19,981.96	9,360.00	226.64	226.31	-89.955	59.98	11,530.65	1,300.00	847.11	452.89	2.870	
20,200.00	9,360.00	20,058.66	9,360.00	228.22	227.90	-89.955	60.21	11,607.35	1,300.00	843.95	456.05	2.851	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Offset Design: Bond South Pad - Phase 1 - (01) Bond 33-34 FED COM 207H - 207H - Plan 2													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1												Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				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		
20,223.31	9,360.00	20,081.96	9,360.00	228.70	228.38	-89.955	60.28	11,630.65	1,300.00	842.99	457.01	2.845		
20,300.00	9,360.00	20,158.66	9,360.00	230.28	229.96	-89.955	60.51	11,707.35	1,300.00	839.83	460.17	2.825		
20,302.50	9,360.00	20,161.16	9,360.00	230.33	230.01	-89.955	60.52	11,709.85	1,300.00	839.73	460.27	2.824		
20,327.35	9,360.00	20,181.28	9,360.00	230.84	230.43	-89.955	60.58	11,729.97	1,300.01	838.83	461.18	2.819		

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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	Offset	Semi Major Axis		Distance		Rule Assigned:		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	
0.00	0.00	0.00	0.00	0.00	0.00	171.432	-296.87	44.73	300.25				
100.00	100.00	96.14	96.14	0.79	0.76	171.432	-296.87	44.73	300.22	298.68	1.54	194.828	
200.00	200.00	196.14	196.14	1.45	1.42	171.432	-296.87	44.73	300.22	297.36	2.87	104.728	
300.00	300.00	296.14	296.14	1.89	1.87	171.432	-296.87	44.73	300.22	296.46	3.77	79.716	
400.00	400.00	396.14	396.14	2.25	2.24	171.432	-296.87	44.73	300.22	295.73	4.49	66.814	
500.00	500.00	496.14	496.14	2.57	2.56	171.432	-296.87	44.73	300.22	295.10	5.12	58.600	
600.00	600.00	596.14	596.14	2.85	2.84	171.432	-296.87	44.73	300.22	294.54	5.69	52.779	
700.00	700.00	696.14	696.14	3.11	3.10	171.432	-296.87	44.73	300.22	294.02	6.21	48.374	
800.00	800.00	796.14	796.14	3.35	3.34	171.432	-296.87	44.73	300.22	293.54	6.69	44.888	
900.00	900.00	896.14	896.14	3.58	3.57	171.432	-296.87	44.73	300.22	293.08	7.14	42.039	
1,000.00	1,000.00	996.14	996.14	3.79	3.78	171.432	-296.87	44.73	300.22	292.65	7.57	39.653	
1,100.00	1,100.00	1,096.14	1,096.14	3.99	3.99	171.432	-296.87	44.73	300.22	292.24	7.98	37.617	
1,200.00	1,200.00	1,196.14	1,196.14	4.19	4.18	171.432	-296.87	44.73	300.22	291.85	8.37	35.852	
1,300.00	1,300.00	1,296.14	1,296.14	4.38	4.37	171.432	-296.87	44.73	300.22	291.47	8.75	34.302	
1,400.00	1,400.00	1,396.14	1,396.14	4.56	4.56	171.432	-296.87	44.73	300.22	291.11	9.12	32.926	
1,500.00	1,500.00	1,496.14	1,496.14	4.74	4.73	171.432	-296.87	44.73	300.22	290.75	9.47	31.695	
1,600.00	1,600.00	1,596.14	1,596.14	4.91	4.91	171.432	-296.87	44.73	300.22	290.41	9.82	30.583	
1,700.00	1,700.00	1,696.14	1,696.14	5.08	5.07	171.432	-296.87	44.73	300.22	290.07	10.15	29.573	
1,800.00	1,800.00	1,796.14	1,796.14	5.24	5.24	171.432	-296.87	44.73	300.22	289.74	10.48	28.650	
1,900.00	1,900.00	1,896.14	1,896.14	5.40	5.40	171.432	-296.87	44.73	300.22	289.43	10.80	27.802	
2,000.00	2,000.00	1,996.14	1,996.14	5.56	5.55	171.432	-296.87	44.73	300.22	289.11	11.11	27.020	
2,100.00	2,099.98	2,087.58	2,087.57	5.78	5.75	22.059	-298.04	45.39	299.98	288.47	11.50	26.077	
2,200.00	2,199.84	2,178.70	2,178.58	5.99	5.94	22.113	-301.71	47.49	299.46	287.59	11.87	25.232	
2,300.00	2,299.45	2,269.83	2,269.43	6.21	6.14	22.197	-307.90	51.03	298.67	286.42	12.25	24.382	
2,400.00	2,398.70	2,360.99	2,360.03	6.46	6.36	22.311	-316.59	56.00	297.61	284.95	12.66	23.512	
2,500.00	2,497.47	2,452.18	2,450.31	6.73	6.60	22.457	-327.79	62.40	296.29	283.19	13.10	22.621	
2,600.00	2,595.62	2,543.42	2,540.17	7.02	6.85	22.635	-341.49	70.23	294.70	281.13	13.57	21.716	
2,700.00	2,693.06	2,634.71	2,629.53	7.33	7.13	22.846	-357.67	79.48	292.85	278.78	14.08	20.802	
2,800.00	2,789.64	2,727.48	2,719.70	7.67	7.40	23.098	-376.59	90.30	290.71	276.10	14.61	19.893	
2,900.00	2,885.27	2,827.36	2,816.52	8.02	7.70	23.580	-397.89	102.47	286.40	271.16	15.24	18.792	
3,000.00	2,980.04	2,927.06	2,913.17	8.30	7.99	24.296	-419.15	114.63	279.54	263.77	15.77	17.722	
3,100.00	3,074.73	3,026.75	3,009.80	8.63	8.30	25.049	-440.41	126.78	272.51	256.12	16.38	16.633	
3,200.00	3,169.42	3,126.43	3,106.43	8.98	8.63	25.842	-461.67	138.93	265.52	248.51	17.02	15.603	
3,300.00	3,264.12	3,226.12	3,203.06	9.34	8.97	26.678	-482.93	151.08	258.59	240.92	17.67	14.634	
3,400.00	3,358.81	3,325.81	3,299.70	9.72	9.32	27.559	-504.19	163.23	251.72	233.38	18.34	13.727	
3,500.00	3,453.50	3,425.49	3,396.33	10.11	9.69	28.489	-525.45	175.38	244.91	225.89	19.01	12.880	
3,600.00	3,548.20	3,525.18	3,492.96	10.51	10.07	29.473	-546.70	187.54	238.16	218.47	19.70	12.091	
3,700.00	3,642.89	3,624.87	3,589.59	10.93	10.46	30.513	-567.96	199.69	231.49	211.11	20.38	11.359	
3,800.00	3,737.58	3,724.55	3,686.23	11.35	10.85	31.614	-589.22	211.84	224.91	203.85	21.06	10.679	
3,900.00	3,832.27	3,824.24	3,782.86	11.78	11.26	32.781	-610.48	223.99	218.41	196.67	21.73	10.050	
4,000.00	3,926.97	3,923.93	3,879.49	12.21	11.66	34.019	-631.74	236.14	212.00	189.61	22.39	9.467	
4,100.00	4,021.66	4,023.61	3,976.12	12.66	12.08	35.334	-652.99	248.29	205.70	182.66	23.04	8.928	
4,200.00	4,116.35	4,123.30	4,072.76	13.10	12.50	36.730	-674.25	260.44	199.52	175.85	23.66	8.431	
4,300.00	4,211.04	4,222.99	4,169.39	13.56	12.93	38.215	-695.51	272.60	193.46	169.19	24.26	7.973	
4,400.00	4,305.74	4,322.67	4,266.02	14.01	13.36	39.794	-716.77	284.75	187.54	162.70	24.83	7.551	
4,500.00	4,400.43	4,422.36	4,362.65	14.48	13.79	41.475	-738.03	296.90	181.77	156.40	25.37	7.164	
4,600.00	4,495.12	4,522.05	4,459.29	14.94	14.23	43.264	-759.28	309.05	176.16	150.30	25.87	6.811	
4,700.00	4,589.81	4,621.73	4,555.92	15.41	14.68	45.168	-780.54	321.20	170.74	144.43	26.32	6.488	
4,800.00	4,684.51	4,721.42	4,652.55	15.88	15.12	47.194	-801.80	333.35	165.53	138.81	26.72	6.195	
4,900.00	4,779.20	4,821.11	4,749.18	16.36	15.57	49.348	-823.06	345.50	160.53	133.46	27.07	5.931	
5,000.00	4,873.89	4,920.79	4,845.82	16.84	16.02	51.637	-844.32	357.66	155.77	128.41	27.36	5.694	
5,100.00	4,968.58	5,020.48	4,942.45	17.32	16.47	54.065	-865.58	369.81	151.28	123.69	27.59	5.484	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,200.00	5,063.28	5,120.17	5,039.08	17.80	16.93	56.636	-886.83	381.96	147.07	119.32	27.76	5.299	
5,300.00	5,157.97	5,219.85	5,135.71	18.28	17.38	59.352	-908.09	394.11	143.18	115.32	27.87	5.138	
5,400.00	5,252.66	5,319.54	5,232.35	18.77	17.84	62.213	-929.35	406.26	139.63	111.71	27.93	5.000	
5,500.00	5,347.36	5,419.22	5,328.98	19.26	18.30	65.213	-950.61	418.41	136.45	108.51	27.94	4.883	
5,600.00	5,442.05	5,518.91	5,425.61	19.75	18.77	68.347	-971.87	430.56	133.66	105.73	27.94	4.785	
5,700.00	5,536.74	5,618.60	5,522.24	20.24	19.23	71.604	-993.12	442.72	131.29	103.37	27.92	4.702	
5,800.00	5,631.43	5,718.28	5,618.88	20.73	19.69	74.969	-1,014.38	454.87	129.36	101.43	27.93	4.631	
5,900.00	5,726.13	5,817.97	5,715.51	21.23	20.16	78.422	-1,035.64	467.02	127.89	99.90	28.00	4.568	
6,000.00	5,820.82	5,917.66	5,812.14	21.72	20.63	81.942	-1,056.90	479.17	126.90	98.76	28.15	4.509	
6,100.00	5,915.51	6,017.34	5,908.77	22.22	21.10	85.504	-1,078.16	491.32	126.40	97.98	28.42	4.448	
6,151.82	5,964.58	6,069.00	5,958.84	22.48	21.34	87.357	-1,089.17	497.62	126.33	97.72	28.62	4.415 CC	
6,200.00	6,010.20	6,117.03	6,005.41	22.72	21.57	89.080	-1,099.41	503.47	126.39	97.55	28.84	4.383	
6,300.00	6,104.90	6,216.72	6,102.04	23.22	22.04	92.642	-1,120.67	515.62	126.87	97.45	29.43	4.312 ES	
6,400.00	6,199.59	6,316.40	6,198.67	23.72	22.51	96.164	-1,141.93	527.77	127.85	97.66	30.19	4.234	
6,500.00	6,294.28	6,416.09	6,295.30	24.22	22.98	99.621	-1,163.19	539.93	129.30	98.17	31.13	4.153	
6,600.00	6,388.98	6,515.78	6,391.94	24.71	23.46	102.985	-1,184.45	552.08	131.21	98.98	32.23	4.071	
6,700.00	6,484.32	6,615.09	6,488.29	25.24	23.92	105.542	-1,205.35	564.03	133.07	99.77	33.30	3.996	
6,800.00	6,580.66	6,713.68	6,584.58	25.75	24.39	107.777	-1,223.69	574.51	134.97	100.63	34.34	3.930	
6,900.00	6,677.88	6,812.08	6,681.36	26.24	24.85	109.933	-1,239.10	583.32	137.00	101.62	35.38	3.872	
7,000.00	6,775.85	6,910.30	6,778.51	26.72	25.29	112.007	-1,251.61	590.47	139.15	102.75	36.40	3.823	
7,100.00	6,874.46	7,008.34	6,875.93	27.17	25.70	113.999	-1,261.20	595.95	141.40	104.01	37.39	3.782	
7,200.00	6,973.59	7,106.21	6,973.49	27.61	26.08	115.909	-1,267.88	599.77	143.74	105.41	38.33	3.750	
7,300.00	7,073.12	7,203.91	7,071.08	28.02	26.41	117.737	-1,271.66	601.93	146.15	106.94	39.21	3.727	
7,400.00	7,172.92	7,301.90	7,169.06	28.38	26.54	119.471	-1,272.61	602.47	148.60	108.61	39.98	3.717	
7,500.00	7,272.88	7,401.86	7,269.02	28.68	26.57	120.390	-1,272.61	602.47	149.94	109.46	40.48	3.704	
7,600.00	7,372.88	7,501.86	7,369.02	28.72	26.59	-90.171	-1,272.61	602.47	150.00	109.45	40.56	3.699	
7,700.00	7,472.88	7,601.86	7,469.02	28.74	26.61	-90.171	-1,272.61	602.47	150.00	109.40	40.60	3.694	
7,800.00	7,572.88	7,701.86	7,569.02	28.76	26.63	-90.171	-1,272.61	602.47	150.00	109.35	40.65	3.690	
7,900.00	7,672.88	7,801.86	7,669.02	28.78	26.66	-90.171	-1,272.61	602.47	150.00	109.31	40.70	3.686	
8,000.00	7,772.88	7,901.86	7,769.02	28.80	26.68	-90.171	-1,272.61	602.47	150.00	109.26	40.75	3.681	
8,100.00	7,872.88	8,001.86	7,869.02	28.82	26.70	-90.171	-1,272.61	602.47	150.00	109.21	40.80	3.677	
8,200.00	7,972.88	8,101.86	7,969.02	28.84	26.73	-90.171	-1,272.61	602.47	150.00	109.16	40.85	3.672	
8,300.00	8,072.88	8,201.86	8,069.02	28.86	26.75	-90.171	-1,272.61	602.47	150.00	109.11	40.90	3.668	
8,400.00	8,172.88	8,301.86	8,169.02	28.89	26.78	-90.171	-1,272.61	602.47	150.00	109.05	40.95	3.663	
8,500.00	8,272.88	8,401.86	8,269.02	28.91	26.80	-90.171	-1,272.61	602.47	150.00	109.00	41.00	3.659	
8,600.00	8,372.88	8,501.86	8,369.02	28.93	26.82	-90.171	-1,272.61	602.47	150.00	108.95	41.05	3.654	
8,700.00	8,472.88	8,601.86	8,469.02	28.95	26.85	-90.171	-1,272.61	602.47	150.00	108.90	41.11	3.649	
8,800.00	8,572.88	8,701.86	8,569.02	28.98	26.87	-90.171	-1,272.61	602.47	150.00	108.84	41.16	3.644	
8,900.00	8,672.88	8,801.86	8,669.02	29.00	26.90	-90.171	-1,272.61	602.47	150.00	108.79	41.21	3.640	
9,000.00	8,772.88	8,901.86	8,769.02	29.02	26.92	-90.171	-1,272.61	602.47	150.00	108.74	41.27	3.635 SF	
9,100.00	8,872.56	9,001.54	8,868.70	29.17	26.95	180.000	-1,272.61	602.47	156.42	114.88	41.54	3.765	
9,200.00	8,969.64	9,098.62	8,965.78	29.43	26.97	180.000	-1,272.61	602.47	179.88	137.89	41.99	4.284	
9,300.00	9,061.17	9,190.15	9,057.31	29.73	27.00	180.000	-1,272.61	602.47	219.84	177.38	42.46	5.177	
9,400.00	9,144.37	9,273.35	9,140.51	30.03	27.02	180.000	-1,272.61	602.47	275.08	232.16	42.93	6.408	
9,500.00	9,216.72	9,345.69	9,212.86	30.33	27.04	180.000	-1,272.61	602.47	343.94	300.58	43.35	7.934	
9,600.00	9,276.01	9,404.98	9,272.15	30.65	27.06	180.000	-1,272.61	602.47	424.31	380.59	43.72	9.706	
9,700.00	9,320.44	9,449.41	9,316.58	30.99	27.07	180.000	-1,272.61	602.47	513.75	469.75	44.00	11.677	
9,800.00	9,348.66	9,477.64	9,344.80	31.38	27.07	180.000	-1,272.61	602.47	609.55	565.37	44.19	13.795	
9,900.00	9,359.83	9,488.80	9,355.97	31.84	27.08	180.000	-1,272.61	602.47	708.80	664.53	44.27	16.010	
10,000.00	9,360.00	9,488.98	9,356.14	32.43	27.08	0.000	-1,272.61	602.47	808.80	764.51	44.30	18.259	
10,100.00	9,360.00	10,970.72	10,175.00	33.17	32.66	180.000	-1,269.90	1,511.27	818.86	773.39	45.47	18.009	
10,121.13	9,360.00	10,991.85	10,175.00	33.36	32.88	180.000	-1,269.84	1,532.40	818.86	773.20	45.66	17.935	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.00	9,360.00	11,070.72	10,175.00	34.07	33.74	180.000	-1,269.60	1,611.27	818.86	772.49	46.37	17.660	
10,221.13	9,360.00	11,091.85	10,175.00	34.29	33.98	180.000	-1,269.54	1,632.40	818.86	772.30	46.56	17.587	
10,300.00	9,360.00	11,170.72	10,175.00	35.12	34.93	180.000	-1,269.30	1,711.27	818.86	771.56	47.30	17.313	
10,321.13	9,360.00	11,191.85	10,175.00	35.36	35.20	180.000	-1,269.24	1,732.40	818.86	771.36	47.50	17.239	
10,400.00	9,360.00	11,270.72	10,175.00	36.29	36.23	180.000	-1,269.00	1,811.27	818.86	770.60	48.26	16.967	
10,421.13	9,360.00	11,291.85	10,175.00	36.55	36.52	180.000	-1,268.94	1,832.40	818.86	770.39	48.47	16.894	
10,500.00	9,360.00	11,370.72	10,175.00	37.57	37.62	180.000	-1,268.71	1,911.27	818.86	769.60	49.26	16.624	
10,521.13	9,360.00	11,391.85	10,175.00	37.85	37.92	180.000	-1,268.64	1,932.40	818.86	769.39	49.47	16.552	
10,600.00	9,360.00	11,470.72	10,175.00	38.94	39.09	180.000	-1,268.41	2,011.27	818.86	768.58	50.28	16.285	
10,621.13	9,360.00	11,491.85	10,175.00	39.24	39.41	180.000	-1,268.34	2,032.40	818.86	768.36	50.50	16.214	
10,700.00	9,360.00	11,570.72	10,175.00	40.39	40.62	180.000	-1,268.11	2,111.27	818.86	767.52	51.34	15.951	
10,721.13	9,360.00	11,591.85	10,175.00	40.71	40.95	180.000	-1,268.05	2,132.40	818.86	767.30	51.56	15.881	
10,800.00	9,360.00	11,670.72	10,175.00	41.91	42.21	180.000	-1,267.81	2,211.27	818.86	766.45	52.41	15.623	
10,821.13	9,360.00	11,691.85	10,175.00	42.24	42.55	180.000	-1,267.75	2,232.40	818.86	766.22	52.64	15.555	
10,900.00	9,360.00	11,770.72	10,175.00	43.48	43.85	180.000	-1,267.51	2,311.26	818.86	765.34	53.52	15.301	
10,921.13	9,360.00	11,791.85	10,175.00	43.82	44.20	180.000	-1,267.45	2,332.40	818.86	765.11	53.75	15.234	
11,000.00	9,360.00	11,870.72	10,175.00	45.10	45.52	180.000	-1,267.22	2,411.26	818.86	764.22	54.64	14.986	
11,021.13	9,360.00	11,891.85	10,175.00	45.45	45.88	180.000	-1,267.15	2,432.40	818.86	763.98	54.88	14.921	
11,100.00	9,360.00	11,970.72	10,175.00	46.77	47.24	180.000	-1,266.92	2,511.26	818.86	763.07	55.79	14.678	
11,121.13	9,360.00	11,991.85	10,175.00	47.12	47.60	180.000	-1,266.85	2,532.40	818.86	762.83	56.03	14.614	
11,200.00	9,360.00	12,070.72	10,175.00	48.46	48.98	180.000	-1,266.62	2,611.26	818.86	761.91	56.95	14.378	
11,221.13	9,360.00	12,091.85	10,175.00	48.83	49.35	180.000	-1,266.56	2,632.40	818.86	761.66	57.20	14.315	
11,300.00	9,360.00	12,170.72	10,175.00	50.19	50.75	180.000	-1,266.32	2,711.26	818.86	760.72	58.14	14.085	
11,321.13	9,360.00	12,191.85	10,175.00	50.56	51.13	180.000	-1,266.26	2,732.40	818.86	760.47	58.39	14.024	
11,400.00	9,360.00	12,270.72	10,175.00	51.95	52.55	180.000	-1,266.02	2,811.26	818.86	759.52	59.34	13.799	
11,421.13	9,360.00	12,291.85	10,175.00	52.33	52.93	180.000	-1,265.96	2,832.39	818.86	759.26	59.60	13.740	
11,500.00	9,360.00	12,370.72	10,175.00	53.73	54.37	180.000	-1,265.72	2,911.26	818.86	758.30	60.56	13.521	
11,521.13	9,360.00	12,391.85	10,175.00	54.11	54.75	180.000	-1,265.66	2,932.39	818.86	758.04	60.82	13.463	
11,600.00	9,360.00	12,470.72	10,175.00	55.53	56.20	180.000	-1,265.43	3,011.26	818.86	757.06	61.80	13.251	
11,621.13	9,360.00	12,491.85	10,175.00	55.92	56.59	180.000	-1,265.36	3,032.39	818.86	756.80	62.06	13.195	
11,700.00	9,360.00	12,570.72	10,175.00	57.35	58.06	180.000	-1,265.13	3,111.26	818.86	755.81	63.05	12.988	
11,721.13	9,360.00	12,591.85	10,175.00	57.74	58.45	180.000	-1,265.06	3,132.39	818.86	755.55	63.31	12.933	
11,800.00	9,360.00	12,670.72	10,175.00	59.19	59.92	180.000	-1,264.83	3,211.26	818.86	754.55	64.31	12.733	
11,821.13	9,360.00	12,691.85	10,175.00	59.58	60.32	180.000	-1,264.77	3,232.39	818.86	754.28	64.58	12.679	
11,900.00	9,360.00	12,770.72	10,175.00	61.05	61.81	180.000	-1,264.53	3,311.26	818.86	753.27	65.59	12.484	
11,921.13	9,360.00	12,791.85	10,175.00	61.44	62.20	180.000	-1,264.47	3,332.39	818.86	753.00	65.86	12.433	
12,000.00	9,360.00	12,870.72	10,175.00	62.91	63.70	180.000	-1,264.23	3,411.26	818.86	751.98	66.88	12.244	
12,021.13	9,360.00	12,891.85	10,175.00	63.31	64.10	180.000	-1,264.17	3,432.39	818.86	751.71	67.15	12.194	
12,100.00	9,360.00	12,970.72	10,175.00	64.79	65.60	180.000	-1,263.94	3,511.26	818.86	750.68	68.18	12.010	
12,121.13	9,360.00	12,991.85	10,175.00	65.19	66.01	180.000	-1,263.87	3,532.39	818.86	750.40	68.46	11.961	
12,200.00	9,360.00	13,070.72	10,175.00	66.69	67.52	180.000	-1,263.64	3,611.26	818.86	749.37	69.49	11.783	
12,221.13	9,360.00	13,091.85	10,175.00	67.09	67.93	180.000	-1,263.57	3,632.39	818.86	749.09	69.77	11.736	
12,300.00	9,360.00	13,170.72	10,175.00	68.59	69.44	180.000	-1,263.34	3,711.26	818.86	748.04	70.82	11.563	
12,321.13	9,360.00	13,191.85	10,175.00	68.99	69.85	180.000	-1,263.28	3,732.39	818.86	747.76	71.10	11.517	
12,400.00	9,360.00	13,270.72	10,175.00	70.50	71.38	180.000	-1,263.04	3,811.26	818.86	746.71	72.15	11.349	
12,421.13	9,360.00	13,291.85	10,175.00	70.90	71.79	180.000	-1,262.98	3,832.39	818.86	746.43	72.43	11.305	
12,500.00	9,360.00	13,370.72	10,175.00	72.42	73.32	180.000	-1,262.74	3,911.26	818.86	745.37	73.49	11.142	
12,521.13	9,360.00	13,391.85	10,175.00	72.83	73.73	180.000	-1,262.68	3,932.39	818.86	745.08	73.78	11.099	
12,600.00	9,360.00	13,470.72	10,175.00	74.35	75.26	180.000	-1,262.44	4,011.26	818.86	744.02	74.84	10.941	
12,621.13	9,360.00	13,491.85	10,175.00	74.76	75.68	180.000	-1,262.38	4,032.39	818.86	743.73	75.13	10.899	
12,700.00	9,360.00	13,570.72	10,175.00	76.28	77.22	180.000	-1,262.15	4,111.26	818.86	742.66	76.20	10.746	
12,721.13	9,360.00	13,591.85	10,175.00	76.69	77.63	180.000	-1,262.08	4,132.39	818.86	742.37	76.49	10.705	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,800.00	9,360.00	13,670.72	10,175.00	78.23	79.18	180.000	-1,261.85	4,211.26	818.86	741.29	77.57	10.556	
12,821.13	9,360.00	13,691.85	10,175.00	78.64	79.59	180.000	-1,261.78	4,232.39	818.86	741.00	77.86	10.517	
12,900.00	9,360.00	13,770.72	10,175.00	80.17	81.14	180.000	-1,261.55	4,311.26	818.86	739.91	78.95	10.372	
12,921.13	9,360.00	13,791.85	10,175.00	80.59	81.56	180.000	-1,261.49	4,332.39	818.86	739.62	79.24	10.334	
13,000.00	9,360.00	13,870.72	10,175.00	82.13	83.11	180.000	-1,261.25	4,411.26	818.86	738.53	80.33	10.194	
13,021.13	9,360.00	13,891.85	10,175.00	82.54	83.53	180.000	-1,261.19	4,432.39	818.86	738.24	80.62	10.157	
13,100.00	9,360.00	13,970.72	10,175.00	84.09	85.09	180.000	-1,260.95	4,511.25	818.86	737.14	81.72	10.021	
13,121.13	9,360.00	13,991.85	10,175.00	84.50	85.51	180.000	-1,260.89	4,532.39	818.86	736.85	82.01	9.985	
13,200.00	9,360.00	14,070.72	10,175.00	86.05	87.07	180.000	-1,260.66	4,611.25	818.86	735.75	83.11	9.852	
13,221.13	9,360.00	14,091.85	10,175.00	86.47	87.49	180.000	-1,260.59	4,632.39	818.86	735.45	83.41	9.817	
13,300.00	9,360.00	14,170.72	10,175.00	88.02	89.05	180.000	-1,260.36	4,711.25	818.86	734.35	84.51	9.689	
13,321.13	9,360.00	14,191.85	10,175.00	88.44	89.47	180.000	-1,260.29	4,732.39	818.86	734.05	84.81	9.655	
13,400.00	9,360.00	14,270.72	10,175.00	90.00	91.04	180.000	-1,260.06	4,811.25	818.86	732.94	85.92	9.530	
13,421.13	9,360.00	14,291.85	10,175.00	90.42	91.46	180.000	-1,260.00	4,832.39	818.86	732.64	86.22	9.497	
13,500.00	9,360.00	14,370.72	10,175.00	91.98	93.03	180.000	-1,259.76	4,911.25	818.86	731.53	87.33	9.376	
13,521.13	9,360.00	14,391.85	10,175.00	92.40	93.45	180.000	-1,259.70	4,932.39	818.86	731.23	87.63	9.344	
13,600.00	9,360.00	14,470.72	10,175.00	93.96	95.02	180.000	-1,259.46	5,011.25	818.86	730.11	88.75	9.226	
13,621.13	9,360.00	14,491.85	10,175.00	94.38	95.45	180.000	-1,259.40	5,032.39	818.86	729.81	89.05	9.195	
13,700.00	9,360.00	14,570.72	10,175.00	95.95	97.02	180.000	-1,259.16	5,111.25	818.86	728.68	90.18	9.081	
13,721.13	9,360.00	14,591.85	10,175.00	96.37	97.44	180.000	-1,259.10	5,132.38	818.86	728.38	90.48	9.050	
13,800.00	9,360.00	14,670.72	10,175.00	97.94	99.02	180.000	-1,258.87	5,211.25	818.86	727.26	91.60	8.939	
13,821.13	9,360.00	14,691.85	10,175.00	98.36	99.45	180.000	-1,258.80	5,232.38	818.86	726.95	91.91	8.910	
13,900.00	9,360.00	14,770.72	10,175.00	99.93	101.03	180.000	-1,258.57	5,311.25	818.86	725.82	93.04	8.802	
13,921.13	9,360.00	14,791.85	10,175.00	100.35	101.45	180.000	-1,258.50	5,332.38	818.86	725.52	93.34	8.773	
14,000.00	9,360.00	14,870.72	10,175.00	101.92	103.03	180.000	-1,258.27	5,411.25	818.86	724.39	94.47	8.668	
14,021.13	9,360.00	14,891.85	10,175.00	102.35	103.46	180.000	-1,258.21	5,432.38	818.86	724.08	94.78	8.640	
14,100.00	9,360.00	14,970.72	10,175.00	103.92	105.04	180.000	-1,257.97	5,511.25	818.86	722.95	95.91	8.537	
14,121.13	9,360.00	14,991.85	10,175.00	104.35	105.47	180.000	-1,257.91	5,532.38	818.86	722.64	96.22	8.510	
14,200.00	9,360.00	15,070.72	10,175.00	105.92	107.05	180.000	-1,257.67	5,611.25	818.86	721.50	97.36	8.411	
14,221.13	9,360.00	15,091.85	10,175.00	106.35	107.48	180.000	-1,257.61	5,632.38	818.86	721.20	97.66	8.384	
14,300.00	9,360.00	15,170.72	10,175.00	107.93	109.06	180.000	-1,257.38	5,711.25	818.86	720.05	98.81	8.287	
14,321.13	9,360.00	15,191.85	10,175.00	108.35	109.49	180.000	-1,257.31	5,732.38	818.86	719.75	99.11	8.262	
14,400.00	9,360.00	15,270.72	10,175.00	109.93	111.08	180.000	-1,257.08	5,811.25	818.86	718.60	100.26	8.167	
14,421.13	9,360.00	15,291.85	10,175.00	110.36	111.51	180.000	-1,257.01	5,832.38	818.86	718.29	100.57	8.142	
14,500.00	9,360.00	15,370.72	10,175.00	111.94	113.10	180.000	-1,256.78	5,911.25	818.86	717.14	101.72	8.050	
14,521.13	9,360.00	15,391.85	10,175.00	112.37	113.52	180.000	-1,256.72	5,932.38	818.86	716.84	102.02	8.026	
14,600.00	9,360.00	15,470.72	10,175.00	113.95	115.12	180.000	-1,256.48	6,011.25	818.86	715.68	103.18	7.937	
14,621.13	9,360.00	15,491.85	10,175.00	114.38	115.54	180.000	-1,256.42	6,032.38	818.86	715.38	103.48	7.913	
14,700.00	9,360.00	15,570.72	10,175.00	115.97	117.14	180.000	-1,256.18	6,111.25	818.86	714.22	104.64	7.826	
14,721.13	9,360.00	15,591.85	10,175.00	116.39	117.56	180.000	-1,256.12	6,132.38	818.86	713.91	104.95	7.803	
14,800.00	9,360.00	15,670.72	10,175.00	117.98	119.16	180.000	-1,255.88	6,211.25	818.86	712.76	106.10	7.718	
14,821.13	9,360.00	15,691.85	10,175.00	118.41	119.59	180.000	-1,255.82	6,232.38	818.86	712.45	106.41	7.695	
14,900.00	9,360.00	15,770.72	10,175.00	120.00	121.18	180.000	-1,255.59	6,311.25	818.86	711.29	107.57	7.612	
14,921.13	9,360.00	15,791.85	10,175.00	120.42	121.61	180.000	-1,255.52	6,332.38	818.86	710.98	107.88	7.590	
15,000.00	9,360.00	15,870.72	10,175.00	122.01	123.21	180.000	-1,255.29	6,411.25	818.86	709.82	109.04	7.510	
15,021.13	9,360.00	15,891.85	10,175.00	122.44	123.64	180.000	-1,255.22	6,432.38	818.86	709.51	109.35	7.488	
15,100.00	9,360.00	15,970.72	10,175.00	124.03	125.24	180.000	-1,254.99	6,511.25	818.86	708.34	110.52	7.409	
15,121.13	9,360.00	15,991.85	10,175.00	124.46	125.66	180.000	-1,254.93	6,532.38	818.86	708.03	110.83	7.389	
15,200.00	9,360.00	16,070.72	10,175.00	126.06	127.26	180.000	-1,254.69	6,611.25	818.86	706.87	111.99	7.312	
15,221.13	9,360.00	16,091.85	10,175.00	126.48	127.69	180.000	-1,254.63	6,632.38	818.86	706.55	112.31	7.291	
15,300.00	9,360.00	16,170.72	10,175.00	128.08	129.29	180.000	-1,254.39	6,711.25	818.86	705.39	113.47	7.216	
15,321.13	9,360.00	16,191.85	10,175.00	128.51	129.72	180.000	-1,254.33	6,732.38	818.86	705.08	113.78	7.197	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	9,360.00	16,270.72	10,175.00	130.10	131.32	180.000	-1,254.10	6,811.24	818.86	703.91	114.95	7.123	
15,421.13	9,360.00	16,291.85	10,175.00	130.53	131.75	180.000	-1,254.03	6,832.38	818.86	703.59	115.27	7.104	
15,500.00	9,360.00	16,370.72	10,175.00	132.13	133.36	180.000	-1,253.80	6,911.24	818.86	702.42	116.44	7.033	
15,521.13	9,360.00	16,391.85	10,175.00	132.56	133.79	180.000	-1,253.73	6,932.38	818.86	702.11	116.75	7.014	
15,600.00	9,360.00	16,470.72	10,175.00	134.16	135.39	180.000	-1,253.50	7,011.24	818.86	700.94	117.92	6.944	
15,621.13	9,360.00	16,491.85	10,175.00	134.58	135.82	180.000	-1,253.44	7,032.38	818.86	700.62	118.24	6.926	
15,700.00	9,360.00	16,570.72	10,175.00	136.18	137.42	180.000	-1,253.20	7,111.24	818.86	699.45	119.41	6.858	
15,721.13	9,360.00	16,591.85	10,175.00	136.61	137.85	180.000	-1,253.14	7,132.38	818.86	699.13	119.73	6.839	
15,800.00	9,360.00	16,670.72	10,175.00	138.21	139.46	180.000	-1,252.90	7,211.24	818.86	697.96	120.90	6.773	
15,821.13	9,360.00	16,691.85	10,175.00	138.64	139.89	180.000	-1,252.84	7,232.38	818.86	697.64	121.22	6.755	
15,900.00	9,360.00	16,770.72	10,175.00	140.24	141.50	180.000	-1,252.60	7,311.24	818.86	696.47	122.39	6.690	
15,921.13	9,360.00	16,791.85	10,175.00	140.67	141.93	180.000	-1,252.54	7,332.37	818.86	696.15	122.71	6.673	
16,000.00	9,360.00	16,870.72	10,175.00	142.28	143.53	180.000	-1,252.31	7,411.24	818.86	694.97	123.89	6.610	
16,021.13	9,360.00	16,891.85	10,175.00	142.71	143.96	180.000	-1,252.24	7,432.37	818.86	694.66	124.20	6.593	
16,100.00	9,360.00	16,970.72	10,175.00	144.31	145.57	180.000	-1,252.01	7,511.24	818.86	693.48	125.38	6.531	
16,121.13	9,360.00	16,991.85	10,175.00	144.74	146.00	180.000	-1,251.94	7,532.37	818.86	693.16	125.70	6.514	
16,200.00	9,360.00	17,070.72	10,175.00	146.34	147.61	180.000	-1,251.71	7,611.24	818.86	691.98	126.88	6.454	
16,221.13	9,360.00	17,091.85	10,175.00	146.77	148.04	180.000	-1,251.65	7,632.37	818.86	691.66	127.20	6.438	
16,300.00	9,360.00	17,170.72	10,175.00	148.38	149.65	180.000	-1,251.41	7,711.24	818.86	690.48	128.38	6.378	
16,321.13	9,360.00	17,191.85	10,175.00	148.81	150.08	180.000	-1,251.35	7,732.37	818.86	690.16	128.70	6.363	
16,400.00	9,360.00	17,270.72	10,175.00	150.41	151.69	180.000	-1,251.11	7,811.24	818.86	688.98	129.88	6.305	
16,421.13	9,360.00	17,291.85	10,175.00	150.84	152.12	180.000	-1,251.05	7,832.37	818.86	688.66	130.20	6.289	
16,500.00	9,360.00	17,370.72	10,175.00	152.45	153.73	180.000	-1,250.82	7,911.24	818.86	687.48	131.38	6.233	
16,521.13	9,360.00	17,391.85	10,175.00	152.88	154.16	180.000	-1,250.75	7,932.37	818.86	687.16	131.70	6.218	
16,600.00	9,360.00	17,470.72	10,175.00	154.49	155.77	180.000	-1,250.52	8,011.24	818.86	685.97	132.89	6.162	
16,621.13	9,360.00	17,491.85	10,175.00	154.92	156.21	180.000	-1,250.45	8,032.37	818.86	685.65	133.21	6.147	
16,700.00	9,360.00	17,570.72	10,175.00	156.53	157.82	180.000	-1,250.22	8,111.24	818.86	684.47	134.39	6.093	
16,721.13	9,360.00	17,591.85	10,175.00	156.96	158.25	180.000	-1,250.16	8,132.37	818.86	684.15	134.71	6.079	
16,800.00	9,360.00	17,670.72	10,175.00	158.57	159.86	180.000	-1,249.92	8,211.24	818.86	682.96	135.90	6.025	
16,821.13	9,360.00	17,691.85	10,175.00	159.00	160.29	180.000	-1,249.86	8,232.37	818.86	682.64	136.22	6.011	
16,900.00	9,360.00	17,770.72	10,175.00	160.61	161.90	180.000	-1,249.62	8,311.24	818.86	681.45	137.41	5.959	
16,921.13	9,360.00	17,791.85	10,175.00	161.04	162.34	180.000	-1,249.56	8,332.37	818.86	681.13	137.73	5.945	
17,000.00	9,360.00	17,870.72	10,175.00	162.65	163.95	180.000	-1,249.32	8,411.24	818.86	679.94	138.92	5.895	
17,021.13	9,360.00	17,891.85	10,175.00	163.08	164.38	180.000	-1,249.26	8,432.37	818.86	679.62	139.24	5.881	
17,100.00	9,360.00	17,970.72	10,175.00	164.69	166.00	180.000	-1,249.03	8,511.24	818.86	678.43	140.43	5.831	
17,121.13	9,360.00	17,991.85	10,175.00	165.12	166.43	180.000	-1,248.96	8,532.37	818.86	678.11	140.75	5.818	
17,200.00	9,360.00	18,070.72	10,175.00	166.73	168.04	180.000	-1,248.73	8,611.24	818.86	676.92	141.94	5.769	
17,221.13	9,360.00	18,091.85	10,175.00	167.16	168.47	180.000	-1,248.67	8,632.37	818.86	676.60	142.26	5.756	
17,300.00	9,360.00	18,170.72	10,175.00	168.77	170.09	180.000	-1,248.43	8,711.24	818.86	675.40	143.46	5.708	
17,321.13	9,360.00	18,191.85	10,175.00	169.20	170.52	180.000	-1,248.37	8,732.37	818.86	675.08	143.78	5.695	
17,400.00	9,360.00	18,270.72	10,175.00	170.82	172.14	180.000	-1,248.13	8,811.24	818.86	673.89	144.97	5.648	
17,421.13	9,360.00	18,291.85	10,175.00	171.25	172.57	180.000	-1,248.07	8,832.37	818.86	673.57	145.29	5.636	
17,500.00	9,360.00	18,370.72	10,175.00	172.86	174.18	180.000	-1,247.83	8,911.24	818.86	672.37	146.49	5.590	
17,521.13	9,360.00	18,391.85	10,175.00	173.29	174.62	180.000	-1,247.77	8,932.37	818.86	672.05	146.81	5.578	
17,600.00	9,360.00	18,470.72	10,175.00	174.90	176.23	180.000	-1,247.54	9,011.23	818.86	670.86	148.00	5.533	
17,621.13	9,360.00	18,491.85	10,175.00	175.34	176.66	180.000	-1,247.47	9,032.37	818.86	670.53	148.33	5.521	
17,700.00	9,360.00	18,570.72	10,175.00	176.95	178.28	180.000	-1,247.24	9,111.23	818.86	669.34	149.52	5.477	
17,721.13	9,360.00	18,591.85	10,175.00	177.38	178.71	180.000	-1,247.17	9,132.37	818.86	669.02	149.84	5.465	
17,800.00	9,360.00	18,670.72	10,175.00	178.99	180.33	180.000	-1,246.94	9,211.23	818.86	667.82	151.04	5.421	
17,821.13	9,360.00	18,691.85	10,175.00	179.43	180.76	180.000	-1,246.88	9,232.37	818.86	667.50	151.36	5.410	
17,900.00	9,360.00	18,770.72	10,175.00	181.04	182.38	180.000	-1,246.64	9,311.23	818.86	666.30	152.56	5.367	
17,921.13	9,360.00	18,791.85	10,175.00	181.47	182.81	180.000	-1,246.58	9,332.37	818.86	665.98	152.88	5.356	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
18,000.00	9,360.00	18,870.72	10,175.00	183.09	184.43	180.000	-1,246.34	9,411.23	818.86	664.78	154.08	5.314	
18,021.13	9,360.00	18,891.85	10,175.00	183.52	184.86	180.000	-1,246.28	9,432.37	818.86	664.46	154.40	5.303	
18,100.00	9,360.00	18,970.72	10,175.00	185.14	186.48	180.000	-1,246.04	9,511.23	818.86	663.25	155.61	5.262	
18,121.13	9,360.00	18,991.85	10,175.00	185.57	186.91	180.000	-1,245.98	9,532.37	818.86	662.93	155.93	5.252	
18,200.00	9,360.00	19,070.72	10,175.00	187.18	188.53	180.000	-1,245.75	9,611.23	818.86	661.73	157.13	5.211	
18,221.13	9,360.00	19,091.85	10,175.00	187.62	188.96	180.000	-1,245.68	9,632.36	818.86	661.41	157.45	5.201	
18,300.00	9,360.00	19,170.72	10,175.00	189.23	190.58	180.000	-1,245.45	9,711.23	818.86	660.21	158.65	5.161	
18,321.13	9,360.00	19,191.85	10,175.00	189.66	191.02	180.000	-1,245.39	9,732.36	818.86	659.89	158.97	5.151	
18,400.00	9,360.00	19,270.72	10,175.00	191.28	192.63	180.000	-1,245.15	9,811.23	818.86	658.68	160.18	5.112	
18,421.13	9,360.00	19,291.85	10,175.00	191.71	193.07	180.000	-1,245.09	9,832.36	818.86	658.36	160.50	5.102	
18,500.00	9,360.00	19,370.72	10,175.00	193.33	194.69	180.000	-1,244.85	9,911.23	818.86	657.16	161.70	5.064	
18,521.13	9,360.00	19,391.85	10,175.00	193.76	195.12	180.000	-1,244.79	9,932.36	818.86	656.83	162.03	5.054	
18,600.00	9,360.00	19,470.72	10,175.00	195.38	196.74	180.000	-1,244.55	10,011.23	818.86	655.63	163.23	5.017	
18,621.13	9,360.00	19,491.85	10,175.00	195.81	197.17	180.000	-1,244.49	10,032.36	818.86	655.31	163.55	5.007	
18,700.00	9,360.00	19,570.72	10,175.00	197.43	198.79	180.000	-1,244.26	10,111.23	818.86	654.10	164.76	4.970	
18,721.13	9,360.00	19,591.85	10,175.00	197.86	199.22	180.000	-1,244.19	10,132.36	818.86	653.78	165.08	4.960	
18,800.00	9,360.00	19,670.72	10,175.00	199.48	200.84	180.000	-1,243.96	10,211.23	818.86	652.57	166.29	4.924	
18,821.13	9,360.00	19,691.85	10,175.00	199.91	201.28	180.000	-1,243.89	10,232.36	818.86	652.25	166.61	4.915	
18,900.00	9,360.00	19,770.72	10,175.00	201.53	202.90	180.000	-1,243.66	10,311.23	818.86	651.05	167.81	4.880	
18,921.13	9,360.00	19,791.85	10,175.00	201.96	203.33	180.000	-1,243.60	10,332.36	818.86	650.72	168.14	4.870	
19,000.00	9,360.00	19,870.72	10,175.00	203.58	204.95	180.000	-1,243.36	10,411.23	818.86	649.52	169.34	4.835	
19,021.13	9,360.00	19,891.85	10,175.00	204.01	205.39	180.000	-1,243.30	10,432.36	818.86	649.19	169.67	4.826	
19,100.00	9,360.00	19,970.72	10,175.00	205.63	207.01	180.000	-1,243.06	10,511.23	818.86	647.99	170.87	4.792	
19,121.13	9,360.00	19,991.85	10,175.00	206.07	207.44	180.000	-1,243.00	10,532.36	818.86	647.66	171.20	4.783	
19,200.00	9,360.00	20,070.72	10,175.00	207.68	209.06	180.000	-1,242.76	10,611.23	818.86	646.45	172.41	4.750	
19,221.13	9,360.00	20,091.85	10,175.00	208.12	209.49	180.000	-1,242.70	10,632.36	818.86	646.13	172.73	4.741	
19,300.00	9,360.00	20,170.72	10,175.00	209.74	211.11	180.000	-1,242.47	10,711.23	818.86	644.92	173.94	4.708	
19,321.13	9,360.00	20,191.85	10,175.00	210.17	211.55	180.000	-1,242.40	10,732.36	818.86	644.60	174.26	4.699	
19,400.00	9,360.00	20,270.72	10,175.00	211.79	213.17	180.000	-1,242.17	10,811.23	818.86	643.39	175.47	4.667	
19,421.13	9,360.00	20,291.85	10,175.00	212.22	213.60	180.000	-1,242.11	10,832.36	818.86	643.07	175.79	4.658	
19,500.00	9,360.00	20,370.72	10,175.00	213.84	215.23	180.000	-1,241.87	10,911.23	818.86	641.86	177.00	4.626	
19,521.13	9,360.00	20,391.85	10,175.00	214.28	215.66	180.000	-1,241.81	10,932.36	818.86	641.53	177.33	4.618	
19,600.00	9,360.00	20,470.72	10,175.00	215.89	217.28	180.000	-1,241.57	11,011.23	818.86	640.32	178.54	4.586	
19,621.13	9,360.00	20,491.85	10,175.00	216.33	217.72	180.000	-1,241.51	11,032.36	818.86	640.00	178.86	4.578	
19,700.00	9,360.00	20,570.72	10,175.00	217.95	219.34	180.000	-1,241.27	11,111.23	818.86	638.79	180.07	4.547	
19,721.13	9,360.00	20,591.85	10,175.00	218.38	219.77	180.000	-1,241.21	11,132.36	818.86	638.46	180.40	4.539	
19,800.00	9,360.00	20,670.72	10,175.00	220.00	221.39	180.000	-1,240.98	11,211.23	818.86	637.25	181.61	4.509	
19,821.13	9,360.00	20,691.85	10,175.00	220.44	221.83	180.000	-1,240.91	11,232.36	818.86	636.93	181.93	4.501	
19,900.00	9,360.00	20,770.72	10,175.00	222.06	223.45	180.000	-1,240.68	11,311.22	818.86	635.72	183.14	4.471	
19,921.13	9,360.00	20,791.85	10,175.00	222.49	223.88	180.000	-1,240.61	11,332.36	818.86	635.39	183.47	4.463	
20,000.00	9,360.00	20,870.72	10,175.00	224.11	225.51	180.000	-1,240.38	11,411.22	818.86	634.18	184.68	4.434	
20,021.13	9,360.00	20,891.85	10,175.00	224.54	225.94	180.000	-1,240.32	11,432.36	818.86	633.86	185.00	4.426	
20,100.00	9,360.00	20,970.72	10,175.00	226.17	227.56	180.000	-1,240.08	11,511.22	818.86	632.64	186.22	4.397	
20,121.13	9,360.00	20,991.85	10,175.00	226.60	228.00	180.000	-1,240.02	11,532.36	818.86	632.32	186.54	4.390	
20,200.00	9,360.00	21,070.72	10,175.00	228.22	229.62	180.000	-1,239.78	11,611.22	818.86	631.11	187.75	4.361	
20,221.13	9,360.00	21,091.85	10,175.00	228.65	230.05	180.000	-1,239.72	11,632.36	818.86	630.78	188.08	4.354	
20,300.00	9,360.00	21,170.72	10,175.00	230.28	231.68	180.000	-1,239.48	11,711.22	818.86	629.57	189.29	4.326	
20,305.78	9,360.00	21,176.50	10,175.00	230.39	231.80	180.000	-1,239.47	11,717.00	818.86	629.48	189.38	4.324	
20,327.35	9,360.00	21,198.07	10,175.00	230.84	232.24	180.000	-1,239.40	11,738.57	818.86	629.15	189.71	4.316	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.00	0.00	171.251	-276.88	42.61	280.16				
100.00	100.00	97.09	97.09	0.79	0.76	171.251	-276.88	42.61	280.14	278.59	1.55	180.920	
200.00	200.00	197.09	197.09	1.45	1.43	171.251	-276.88	42.61	280.14	277.27	2.87	97.509	
300.00	300.00	297.09	297.09	1.89	1.88	171.251	-276.88	42.61	280.14	276.37	3.77	74.300	
400.00	400.00	397.09	397.09	2.25	2.24	171.251	-276.88	42.61	280.14	275.65	4.50	62.298	
500.00	500.00	497.09	497.09	2.57	2.56	171.251	-276.88	42.61	280.14	275.02	5.13	54.649	
600.00	600.00	597.09	597.09	2.85	2.84	171.251	-276.88	42.61	280.14	274.45	5.69	49.226	
700.00	700.00	697.09	697.09	3.11	3.10	171.251	-276.88	42.61	280.14	273.93	6.21	45.120	
800.00	800.00	797.09	797.09	3.35	3.34	171.251	-276.88	42.61	280.14	273.45	6.69	41.871	
900.00	900.00	897.09	897.09	3.58	3.57	171.251	-276.88	42.61	280.14	273.00	7.14	39.215	
1,000.00	1,000.00	997.09	997.09	3.79	3.78	171.251	-276.88	42.61	280.14	272.57	7.57	36.991	
1,100.00	1,100.00	1,097.09	1,097.09	3.99	3.99	171.251	-276.88	42.61	280.14	272.16	7.98	35.092	
1,200.00	1,200.00	1,197.09	1,197.09	4.19	4.19	171.251	-276.88	42.61	280.14	271.77	8.38	33.446	
1,300.00	1,300.00	1,297.09	1,297.09	4.38	4.37	171.251	-276.88	42.61	280.14	271.39	8.75	32.001	
1,400.00	1,400.00	1,397.09	1,397.09	4.56	4.56	171.251	-276.88	42.61	280.14	271.02	9.12	30.718	
1,500.00	1,500.00	1,497.09	1,497.09	4.74	4.73	171.251	-276.88	42.61	280.14	270.67	9.47	29.569	
1,600.00	1,600.00	1,597.09	1,597.09	4.91	4.91	171.251	-276.88	42.61	280.14	270.32	9.82	28.533	
1,700.00	1,700.00	1,697.09	1,697.09	5.08	5.07	171.251	-276.88	42.61	280.14	269.99	10.15	27.591	
1,800.00	1,800.00	1,797.09	1,797.09	5.24	5.24	171.251	-276.88	42.61	280.14	269.66	10.48	26.730	
1,900.00	1,900.00	1,897.09	1,897.09	5.40	5.40	171.251	-276.88	42.61	280.14	269.34	10.80	25.939	
2,000.00	2,000.00	1,997.09	1,997.09	5.56	5.55	171.251	-276.88	42.61	280.14	269.03	11.11	25.209	
2,100.00	2,099.98	2,107.83	2,107.77	5.78	5.97	21.573	-274.47	44.47	276.64	265.03	11.60	23.842	
2,200.00	2,199.84	2,217.80	2,217.33	5.99	6.39	20.629	-267.07	50.19	265.98	253.91	12.06	22.052	
2,300.00	2,299.45	2,325.59	2,324.02	6.21	6.80	18.866	-254.97	59.53	248.43	235.92	12.51	19.856	
2,400.00	2,398.70	2,430.25	2,426.62	6.46	7.15	15.959	-238.69	72.11	224.50	211.58	12.91	17.384	
2,500.00	2,497.47	2,526.73	2,520.40	6.73	7.35	11.858	-220.75	85.96	195.79	182.54	13.25	14.772	
2,600.00	2,595.62	2,620.43	2,611.43	7.02	7.58	6.525	-203.20	99.52	164.99	151.34	13.65	12.086	
2,700.00	2,693.06	2,713.12	2,701.49	7.33	7.83	-1.185	-185.83	112.94	132.86	118.83	14.03	9.470	
2,800.00	2,789.64	2,804.69	2,790.46	7.67	8.10	-13.655	-168.67	126.19	101.11	86.77	14.33	7.054	
2,900.00	2,885.27	2,895.04	2,878.24	8.02	8.37	-35.577	-151.75	139.26	74.77	60.24	14.52	5.148	
2,977.85	2,959.19	2,964.71	2,945.93	8.23	8.60	-60.747	-138.69	149.35	66.41	51.67	14.74	4.506 CC, ES	
3,000.00	2,980.04	2,984.32	2,964.98	8.30	8.66	-68.656	-135.02	152.19	66.99	52.12	14.87	4.505 SF	
3,100.00	3,074.73	3,073.51	3,051.63	8.63	8.96	-97.602	-118.31	165.09	86.30	70.51	15.79	5.466	
3,200.00	3,169.42	3,162.69	3,138.28	8.98	9.27	-114.467	-101.60	178.00	120.42	103.76	16.66	7.229	
3,300.00	3,264.12	3,251.88	3,224.93	9.34	9.59	-123.918	-84.89	190.90	160.14	142.76	17.38	9.212	
3,400.00	3,358.81	3,341.06	3,311.58	9.72	9.92	-129.666	-68.18	203.81	202.19	184.14	18.05	11.201	
3,500.00	3,453.50	3,430.25	3,398.23	10.11	10.26	-133.459	-51.47	216.72	245.37	226.67	18.70	13.119	
3,600.00	3,548.20	3,519.43	3,484.88	10.51	10.60	-136.129	-34.76	229.62	289.19	269.83	19.36	14.940	
3,700.00	3,642.89	3,608.62	3,571.53	10.93	10.95	-138.102	-18.05	242.53	333.38	313.36	20.01	16.658	
3,800.00	3,737.58	3,697.80	3,658.18	11.35	11.31	-139.617	-1.34	255.44	377.82	357.14	20.68	18.271	
3,900.00	3,832.27	3,786.99	3,744.83	11.78	11.67	-140.814	15.37	268.34	422.42	401.07	21.35	19.783	
4,000.00	3,926.97	3,876.17	3,831.48	12.21	12.03	-141.784	32.08	281.25	467.15	445.11	22.04	21.199	
4,100.00	4,021.66	3,965.36	3,918.13	12.66	12.41	-142.584	48.79	294.16	511.97	489.24	22.73	22.527	
4,200.00	4,116.35	4,054.54	4,004.78	13.10	12.78	-143.257	65.50	307.06	556.85	533.42	23.43	23.771	
4,300.00	4,211.04	4,143.73	4,091.43	13.56	13.16	-143.829	82.21	319.97	601.79	577.65	24.13	24.937	
4,400.00	4,305.74	4,232.91	4,178.08	14.01	13.54	-144.322	98.92	332.88	646.76	621.92	24.84	26.032	
4,500.00	4,400.43	4,322.10	4,264.73	14.48	13.93	-144.751	115.63	345.78	691.77	666.21	25.56	27.061	
4,600.00	4,495.12	4,411.28	4,351.38	14.94	14.32	-145.128	132.34	358.69	736.81	710.52	26.29	28.028	
4,700.00	4,589.81	4,500.47	4,438.03	15.41	14.71	-145.461	149.05	371.60	781.87	754.85	27.02	28.938	
4,800.00	4,684.51	4,589.66	4,524.68	15.88	15.10	-145.758	165.76	384.50	826.95	799.20	27.75	29.796	
4,900.00	4,779.20	4,678.84	4,611.33	16.36	15.50	-146.025	182.47	397.41	872.04	843.55	28.49	30.604	
5,000.00	4,873.89	4,768.03	4,697.98	16.84	15.90	-146.265	199.18	410.32	917.15	887.91	29.24	31.368	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
5,100.00	4,968.58	4,857.21	4,784.63	17.32	16.30	-146.483	215.89	423.22	962.27	932.29	29.99	32.090	
5,200.00	5,063.28	4,946.40	4,871.28	17.80	16.70	-146.681	232.60	436.13	1,007.40	976.66	30.74	32.773	
5,300.00	5,157.97	5,035.58	4,957.93	18.28	17.10	-146.862	249.31	449.03	1,052.54	1,021.05	31.49	33.420	
5,400.00	5,252.66	5,124.77	5,044.58	18.77	17.51	-147.029	266.02	461.94	1,097.69	1,065.44	32.25	34.034	
5,500.00	5,347.36	5,213.95	5,131.23	19.26	17.91	-147.182	282.73	474.85	1,142.84	1,109.83	33.01	34.616	
5,600.00	5,442.05	5,303.14	5,217.88	19.75	18.32	-147.324	299.44	487.75	1,188.00	1,154.22	33.78	35.169	
5,700.00	5,536.74	5,392.32	5,304.53	20.24	18.73	-147.455	316.15	500.66	1,233.17	1,198.62	34.55	35.695	
5,800.00	5,631.43	5,481.51	5,391.18	20.73	19.14	-147.577	332.86	513.57	1,278.34	1,243.02	35.32	36.196	
5,900.00	5,726.13	5,570.69	5,477.83	21.23	19.55	-147.691	349.57	526.47	1,323.51	1,287.42	36.09	36.673	
6,000.00	5,820.82	5,659.88	5,564.48	21.72	19.97	-147.797	366.28	539.38	1,368.69	1,331.82	36.86	37.128	
6,100.00	5,915.51	5,749.06	5,651.13	22.22	20.38	-147.896	382.99	552.29	1,413.87	1,376.23	37.64	37.562	
6,200.00	6,010.20	5,838.25	5,737.78	22.72	20.80	-147.989	399.70	565.19	1,459.05	1,420.63	38.42	37.977	
6,300.00	6,104.90	5,927.43	5,824.43	23.22	21.21	-148.077	416.41	578.10	1,504.24	1,465.04	39.20	38.373	
6,400.00	6,199.59	6,016.62	5,911.08	23.72	21.63	-148.159	433.12	591.01	1,549.43	1,509.45	39.98	38.753	
6,500.00	6,294.28	6,105.80	5,997.73	24.22	22.05	-148.237	449.83	603.91	1,594.62	1,553.86	40.77	39.116	
6,600.00	6,388.98	6,195.00	6,084.39	24.71	22.46	-148.366	466.54	616.82	1,639.80	1,598.26	41.55	39.469	
6,700.00	6,484.32	6,284.99	6,171.82	25.24	22.89	-148.898	483.40	629.84	1,683.39	1,641.03	42.36	39.740	
6,800.00	6,580.66	6,376.24	6,260.48	25.75	23.32	-149.318	500.50	643.05	1,724.26	1,681.11	43.16	39.954	
6,900.00	6,677.88	6,468.64	6,350.26	26.24	23.75	-149.636	517.81	656.42	1,762.38	1,718.43	43.95	40.102	
7,000.00	6,775.85	6,562.08	6,441.03	26.72	24.19	-149.860	535.31	669.94	1,797.71	1,752.98	44.73	40.188	
7,100.00	6,874.46	6,656.44	6,532.71	27.17	24.64	-149.995	552.99	683.60	1,830.21	1,784.71	45.51	40.218	
7,200.00	6,973.59	6,751.60	6,625.16	27.61	25.09	-150.047	570.82	697.37	1,859.87	1,813.61	46.27	40.199	
7,300.00	7,073.12	6,876.08	6,746.33	28.02	25.68	-149.941	593.41	714.81	1,886.14	1,838.89	47.25	39.920	
7,400.00	7,172.92	7,302.91	7,170.01	28.38	27.31	-149.663	627.81	741.38	1,897.57	1,847.78	49.79	38.112	
7,500.00	7,272.88	7,402.87	7,269.97	28.68	27.35	-149.727	627.81	741.38	1,899.89	1,849.80	50.10	37.926	
7,600.00	7,372.88	7,502.87	7,369.97	28.72	27.40	-0.334	627.81	741.38	1,900.00	1,849.82	50.19	37.859	
7,700.00	7,472.88	7,602.87	7,469.97	28.74	27.44	-0.334	627.81	741.38	1,900.00	1,849.74	50.26	37.804	
7,800.00	7,572.88	7,702.87	7,569.97	28.76	27.48	-0.334	627.81	741.38	1,900.00	1,849.67	50.33	37.748	
7,900.00	7,672.88	7,802.87	7,669.97	28.78	27.52	-0.334	627.81	741.38	1,900.00	1,849.59	50.41	37.693	
8,000.00	7,772.88	7,902.87	7,769.97	28.80	27.56	-0.334	627.81	741.38	1,900.00	1,849.52	50.48	37.637	
8,100.00	7,872.88	8,002.87	7,869.97	28.82	27.61	-0.334	627.81	741.38	1,900.00	1,849.44	50.56	37.581	
8,200.00	7,972.88	8,102.87	7,969.97	28.84	27.65	-0.334	627.81	741.38	1,900.00	1,849.37	50.63	37.525	
8,300.00	8,072.88	8,202.87	8,069.97	28.86	27.69	-0.334	627.81	741.38	1,900.00	1,849.29	50.71	37.468	
8,400.00	8,172.88	8,302.87	8,169.97	28.89	27.73	-0.334	627.81	741.38	1,900.00	1,849.22	50.79	37.412	
8,500.00	8,272.88	8,402.87	8,269.97	28.91	27.78	-0.334	627.81	741.38	1,900.00	1,849.14	50.86	37.356	
8,600.00	8,372.88	8,502.87	8,369.97	28.93	27.82	-0.334	627.81	741.38	1,900.00	1,849.06	50.94	37.299	
8,700.00	8,472.88	8,602.87	8,469.97	28.95	27.86	-0.334	627.81	741.38	1,900.00	1,848.98	51.02	37.242	
8,800.00	8,572.88	8,702.87	8,569.97	28.98	27.91	-0.334	627.81	741.38	1,900.00	1,848.91	51.10	37.185	
8,900.00	8,672.88	8,802.87	8,669.97	29.00	27.95	-0.334	627.81	741.38	1,900.00	1,848.83	51.17	37.129	
9,000.00	8,772.88	8,902.87	8,769.97	29.02	27.99	-0.334	627.81	741.38	1,900.00	1,848.75	51.25	37.072	
9,000.09	8,772.97	8,902.96	8,770.06	29.02	27.99	-0.334	627.81	741.38	1,900.00	1,848.75	51.25	37.071	
9,100.00	8,872.56	9,002.54	8,869.65	29.17	28.04	-90.353	627.81	741.38	1,900.03	1,848.70	51.33	37.016	
9,200.00	8,969.64	9,099.62	8,966.73	29.43	28.08	-91.009	627.81	741.38	1,900.32	1,848.89	51.43	36.949	
9,300.00	9,061.17	9,191.15	9,058.26	29.73	28.12	-91.992	627.81	741.38	1,901.48	1,849.92	51.57	36.873	
9,400.00	9,144.37	9,274.36	9,141.46	30.03	28.16	-93.073	627.81	741.38	1,904.47	1,852.72	51.75	36.803	
9,500.00	9,216.72	9,346.70	9,213.81	30.33	28.19	-93.971	627.81	741.38	1,910.42	1,858.45	51.97	36.757	
9,600.00	9,276.01	9,405.99	9,273.10	30.65	28.22	-94.388	627.81	741.38	1,920.48	1,868.23	52.25	36.758	
9,700.00	9,320.44	9,450.42	9,317.53	30.99	28.24	-94.058	627.81	741.38	1,935.53	1,882.97	52.55	36.829	
9,800.00	9,348.66	9,478.65	9,345.75	31.38	28.25	-92.773	627.81	741.38	1,956.06	1,903.18	52.88	36.992	
9,900.00	9,359.83	9,489.81	9,356.92	31.84	28.26	-90.420	627.81	741.38	1,982.00	1,928.81	53.19	37.264	
10,000.00	9,360.00	9,489.98	9,357.09	32.43	28.26	-90.000	627.81	741.38	2,012.75	1,959.28	53.47	37.640	
10,100.00	9,360.00	9,489.98	9,357.09	33.17	28.26	-90.000	627.81	741.38	2,047.93	1,994.17	53.76	38.094	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.00	0.00	171.258	-256.88	39.50	259.92	259.92			
100.00	100.00	97.32	97.32	0.79	0.76	171.258	-256.88	39.50	259.90	258.35	1.55	167.653	
200.00	200.00	197.32	197.32	1.45	1.43	171.258	-256.88	39.50	259.90	257.03	2.87	90.416	
300.00	300.00	297.32	297.32	1.89	1.88	171.258	-256.88	39.50	259.90	256.13	3.77	68.913	
400.00	400.00	397.32	397.32	2.25	2.24	171.258	-256.88	39.50	259.90	255.40	4.50	57.786	
500.00	500.00	497.32	497.32	2.57	2.56	171.258	-256.88	39.50	259.90	254.78	5.13	50.693	
600.00	600.00	597.32	597.32	2.85	2.84	171.258	-256.88	39.50	259.90	254.21	5.69	45.664	
700.00	700.00	697.32	697.32	3.11	3.10	171.258	-256.88	39.50	259.90	253.69	6.21	41.856	
800.00	800.00	797.32	797.32	3.35	3.34	171.258	-256.88	39.50	259.90	253.21	6.69	38.843	
900.00	900.00	897.32	897.32	3.58	3.57	171.258	-256.88	39.50	259.90	252.76	7.14	36.379	
1,000.00	1,000.00	997.32	997.32	3.79	3.78	171.258	-256.88	39.50	259.90	252.33	7.57	34.316	
1,100.00	1,100.00	1,097.32	1,097.32	3.99	3.99	171.258	-256.88	39.50	259.90	251.92	7.98	32.555	
1,200.00	1,200.00	1,197.32	1,197.32	4.19	4.19	171.258	-256.88	39.50	259.90	251.53	8.38	31.028	
1,300.00	1,300.00	1,297.32	1,297.32	4.38	4.37	171.258	-256.88	39.50	259.90	251.15	8.75	29.687	
1,400.00	1,400.00	1,397.32	1,397.32	4.56	4.56	171.258	-256.88	39.50	259.90	250.78	9.12	28.497	
1,500.00	1,500.00	1,497.32	1,497.32	4.74	4.73	171.258	-256.88	39.50	259.90	250.43	9.47	27.432	
1,600.00	1,600.00	1,597.32	1,597.32	4.91	4.91	171.258	-256.88	39.50	259.90	250.08	9.82	26.470	
1,700.00	1,700.00	1,697.32	1,697.32	5.08	5.07	171.258	-256.88	39.50	259.90	249.75	10.15	25.596	
1,800.00	1,800.00	1,797.32	1,797.32	5.24	5.24	171.258	-256.88	39.50	259.90	249.42	10.48	24.798	
1,900.00	1,900.00	1,898.64	1,898.62	5.40	5.48	171.629	-256.88	37.80	259.65	248.86	10.79	24.055	
2,000.00	2,000.00	1,998.60	1,998.52	5.56	5.63	172.392	-256.88	34.31	259.17	248.08	11.09	23.377	
2,100.00	2,099.98	2,098.49	2,098.35	5.78	5.79	23.934	-256.88	30.83	257.13	245.71	11.43	22.503	
2,200.00	2,199.84	2,198.19	2,197.99	5.99	5.97	25.245	-256.88	27.35	252.00	240.26	11.75	21.450	
2,300.00	2,299.45	2,297.59	2,297.33	6.21	6.15	27.002	-256.88	23.88	243.89	231.82	12.08	20.194	
2,400.00	2,398.70	2,396.56	2,396.24	6.46	6.34	29.314	-256.88	20.43	232.97	220.56	12.41	18.770	
2,500.00	2,497.47	2,494.99	2,494.60	6.73	6.54	32.344	-256.88	16.99	219.48	206.74	12.75	17.217	
2,600.00	2,595.62	2,588.55	2,588.13	7.02	6.75	35.862	-257.87	14.65	204.77	191.70	13.07	15.663	
2,700.00	2,693.06	2,682.41	2,681.93	7.33	6.91	39.801	-261.09	14.41	190.25	176.83	13.42	14.182	
2,800.00	2,789.64	2,776.85	2,776.18	7.67	6.99	44.270	-266.59	16.30	176.06	162.28	13.78	12.779	
2,900.00	2,885.27	2,871.87	2,870.80	8.02	7.05	49.390	-274.40	20.35	162.40	148.28	14.12	11.500	
3,000.00	2,980.04	2,967.62	2,965.80	8.30	7.12	54.976	-284.57	26.60	149.90	135.54	14.36	10.440	
3,100.00	3,074.73	3,064.50	3,061.46	8.63	7.21	60.262	-297.20	35.16	139.95	125.32	14.63	9.568	
3,200.00	3,169.42	3,162.36	3,157.52	8.98	7.38	64.923	-312.34	46.05	132.12	117.23	14.89	8.875	
3,300.00	3,264.12	3,261.20	3,253.90	9.34	7.56	68.737	-329.88	59.21	125.75	110.63	15.12	8.314	
3,400.00	3,358.81	3,360.69	3,350.74	9.72	7.77	72.610	-348.07	72.94	120.07	104.71	15.37	7.813	
3,500.00	3,453.50	3,460.18	3,447.59	10.11	8.00	76.844	-366.25	86.68	115.00	99.39	15.61	7.368	
3,600.00	3,548.20	3,559.68	3,544.43	10.51	8.25	81.439	-384.43	100.42	110.61	94.77	15.83	6.985	
3,700.00	3,642.89	3,659.17	3,641.28	10.93	8.51	86.374	-402.61	114.15	106.99	90.92	16.07	6.657	
3,800.00	3,737.58	3,758.66	3,738.13	11.35	8.79	91.611	-420.79	127.89	104.22	87.87	16.35	6.374	
3,900.00	3,832.27	3,858.15	3,834.97	11.78	9.09	97.081	-438.97	141.63	102.38	85.67	16.71	6.128	
4,000.00	3,926.97	3,957.64	3,931.82	12.21	9.39	102.697	-457.16	155.36	101.50	84.32	17.18	5.908	
4,037.76	3,962.72	3,995.21	3,968.39	12.38	9.51	104.835	-464.02	160.55	101.43	84.04	17.39	5.831 CC	
4,100.00	4,021.66	4,057.13	4,028.67	12.66	9.72	108.355	-475.34	169.10	101.62	83.83	17.80	5.711	
4,200.00	4,116.35	4,156.62	4,125.51	13.10	10.05	113.944	-493.52	182.83	102.74	84.17	18.57	5.533	
4,300.00	4,211.04	4,256.11	4,222.36	13.56	10.39	119.365	-511.70	196.57	104.81	85.33	19.49	5.379	
4,400.00	4,305.74	4,355.60	4,319.21	14.01	10.74	124.533	-529.88	210.31	107.80	87.26	20.54	5.249	
4,500.00	4,400.43	4,455.10	4,416.05	14.48	11.11	129.388	-548.07	224.04	111.61	89.93	21.68	5.148	
4,600.00	4,495.12	4,554.59	4,512.90	14.94	11.48	133.895	-566.25	237.78	116.18	93.29	22.89	5.075	
4,700.00	4,589.81	4,654.08	4,609.74	15.41	11.85	138.040	-584.43	251.52	121.41	97.27	24.14	5.030	
4,800.00	4,684.51	4,753.57	4,706.59	15.88	12.24	141.828	-602.61	265.25	127.23	101.83	25.40	5.009	
4,900.00	4,779.20	4,853.06	4,803.44	16.36	12.63	145.272	-620.79	278.99	133.55	106.89	26.66	5.010	
5,000.00	4,873.89	4,952.55	4,900.28	16.84	13.03	148.397	-638.97	292.73	140.32	112.41	27.91	5.028	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				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	
5,100.00	4,968.58	5,052.04	4,997.13	17.32	13.43	151.228	-657.16	306.46	147.46	118.32	29.14	5.061	
5,200.00	5,063.28	5,151.53	5,093.98	17.80	13.84	153.794	-675.34	320.20	154.93	124.58	30.35	5.105	
5,300.00	5,157.97	5,251.02	5,190.82	18.28	14.25	156.120	-693.52	333.94	162.68	131.14	31.54	5.158	
5,400.00	5,252.66	5,350.52	5,287.67	18.77	14.67	158.232	-711.70	347.67	170.67	137.96	32.71	5.218	
5,500.00	5,347.36	5,450.01	5,384.51	19.26	15.09	160.154	-729.88	361.41	178.87	145.01	33.86	5.283	
5,600.00	5,442.05	5,549.50	5,481.36	19.75	15.51	161.906	-748.06	375.15	187.26	152.27	34.99	5.351	
5,700.00	5,536.74	5,648.99	5,578.21	20.24	15.94	163.506	-766.25	388.88	195.81	159.70	36.11	5.422	
5,800.00	5,631.43	5,748.48	5,675.05	20.73	16.37	164.973	-784.43	402.62	204.49	167.28	37.22	5.495	
5,900.00	5,726.13	5,847.97	5,771.90	21.23	16.81	166.319	-802.61	416.35	213.30	174.99	38.31	5.568	
6,000.00	5,820.82	5,947.46	5,868.75	21.72	17.24	167.558	-820.79	430.09	222.22	182.83	39.39	5.642	
6,100.00	5,915.51	6,046.95	5,965.59	22.22	17.68	168.701	-838.97	443.83	231.23	190.77	40.46	5.715	
6,200.00	6,010.20	6,146.44	6,062.44	22.72	18.12	169.758	-857.15	457.56	240.32	198.80	41.52	5.788	
6,300.00	6,104.90	6,245.94	6,159.29	23.22	18.57	170.738	-875.34	471.30	249.49	206.91	42.58	5.860	
6,400.00	6,199.59	6,345.43	6,256.13	23.72	19.01	171.649	-893.52	485.04	258.73	215.10	43.63	5.931	
6,500.00	6,294.28	6,444.92	6,352.98	24.22	19.46	172.496	-911.70	498.77	268.03	223.36	44.67	6.000	
6,600.00	6,388.98	6,544.41	6,449.83	24.71	19.91	173.288	-929.88	512.51	277.36	231.66	45.70	6.069	
6,700.00	6,484.32	6,644.08	6,546.85	25.24	20.36	173.999	-948.10	526.27	284.68	237.92	46.76	6.088	
6,800.00	6,580.66	6,743.95	6,644.07	25.75	20.81	174.603	-966.35	540.06	288.56	240.78	47.78	6.039	
6,900.00	6,677.88	6,843.91	6,741.37	26.24	21.27	175.125	-984.62	553.86	288.99	240.21	48.78	5.924	
7,000.00	6,775.85	6,943.84	6,838.63	26.72	21.72	175.587	-1,002.88	567.66	285.97	236.21	49.76	5.747	
7,100.00	6,874.46	7,043.60	6,935.74	27.17	22.18	176.005	-1,021.11	581.43	279.49	228.78	50.71	5.511	
7,200.00	6,973.59	7,143.08	7,032.58	27.61	22.64	176.394	-1,039.29	595.17	269.56	217.92	51.63	5.221	
7,300.00	7,073.12	7,242.16	7,129.03	28.02	23.10	176.767	-1,057.39	608.85	256.17	203.65	52.52	4.878	
7,400.00	7,172.92	7,337.86	7,222.23	28.38	23.54	177.124	-1,074.72	621.94	239.58	186.25	53.33	4.492	
7,500.00	7,272.88	7,428.98	7,311.47	28.68	23.97	177.439	-1,089.40	633.03	222.07	168.09	53.98	4.114	
7,600.00	7,372.88	7,520.72	7,401.86	28.72	24.38	-32.867	-1,101.88	642.45	205.19	150.87	54.32	3.777	
7,700.00	7,472.88	7,613.36	7,493.61	28.74	24.79	-32.582	-1,112.13	650.20	191.36	136.78	54.58	3.506	
7,800.00	7,572.88	7,706.75	7,586.46	28.76	25.17	-32.335	-1,120.07	656.19	180.74	125.98	54.77	3.300	
7,900.00	7,672.88	7,800.00	7,679.45	28.78	25.52	-32.146	-1,125.57	660.36	173.38	118.54	54.84	3.162	
8,000.00	7,772.88	7,895.00	7,774.36	28.80	25.83	-32.032	-1,128.70	662.72	169.28	114.38	54.89	3.084	
8,100.00	7,872.88	7,996.95	7,876.29	28.82	25.99	-31.789	-1,129.54	664.08	167.90	112.72	55.18	3.043	
8,200.00	7,972.88	8,117.69	7,995.27	28.84	26.36	-26.502	-1,132.82	682.99	157.71	101.38	56.33	2.800	
8,300.00	8,072.88	8,226.17	8,096.64	28.86	26.77	-13.499	-1,139.33	720.59	139.14	83.88	55.26	2.518 SF	
8,400.00	8,172.88	8,317.85	8,175.45	28.89	27.13	6.439	-1,147.30	766.57	125.77	76.54	49.22	2.555 ES	
8,415.56	8,188.44	8,330.56	8,185.75	28.89	27.18	9.837	-1,148.57	773.90	125.44	77.73	47.70	2.629	
8,500.00	8,272.88	8,392.73	8,233.63	28.91	27.42	27.359	-1,155.33	812.93	136.53	97.60	38.94	3.507	
8,600.00	8,372.88	8,450.00	8,273.71	28.93	27.65	42.520	-1,162.31	853.20	177.55	143.61	33.94	5.231	
8,700.00	8,472.88	8,500.00	8,305.21	28.95	27.84	53.395	-1,168.94	891.44	239.14	204.98	34.17	6.999	
8,800.00	8,572.88	8,541.43	8,328.67	28.98	28.00	60.564	-1,174.76	925.07	312.44	277.08	35.36	8.836	
8,900.00	8,672.88	8,573.95	8,345.32	29.00	28.12	65.163	-1,179.53	952.60	392.66	356.40	36.26	10.830	
9,000.00	8,772.88	8,600.00	8,357.50	29.02	28.22	68.293	-1,183.46	975.29	477.32	440.48	36.84	12.955	
9,100.00	8,872.56	8,626.59	8,368.83	29.17	28.32	-15.024	-1,187.57	998.99	562.00	524.65	37.35	15.046	
9,200.00	8,969.64	8,650.00	8,377.88	29.43	28.41	-10.965	-1,191.25	1,020.25	640.43	602.92	37.50	17.076	
9,300.00	9,061.17	8,700.00	8,394.21	29.73	28.61	-7.687	-1,199.32	1,066.80	711.56	673.29	38.27	18.594	
9,400.00	9,144.37	8,719.80	8,399.53	30.03	28.69	-6.257	-1,202.58	1,085.59	773.87	735.91	37.96	20.386	
9,500.00	9,216.72	8,750.00	8,406.36	30.33	28.82	-5.059	-1,207.60	1,114.58	827.48	789.62	37.85	21.861	
9,600.00	9,276.01	8,800.00	8,414.24	30.65	29.03	-3.905	-1,216.02	1,163.21	871.61	833.43	38.18	22.828	
9,700.00	9,320.44	8,825.90	8,416.62	30.99	29.15	-3.335	-1,220.43	1,188.62	905.46	867.67	37.79	23.960	
9,800.00	9,348.66	8,865.69	8,418.00	31.38	29.33	-2.730	-1,227.21	1,227.79	929.14	891.45	37.69	24.652	
9,820.37	9,352.34	8,877.15	8,418.00	31.47	29.39	-2.586	-1,229.15	1,239.09	932.61	894.88	37.74	24.713	
9,900.00	9,359.83	8,954.42	8,418.00	31.84	29.84	-1.798	-1,241.01	1,315.44	939.62	900.94	38.68	24.295	
10,000.00	9,360.00	9,052.82	8,418.00	32.43	30.57	-1.041	-1,253.12	1,413.09	939.48	899.70	39.77	23.621	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,029.20	9,360.00	9,081.71	8,418.00	32.64	30.81	-0.858	-1,256.04	1,441.83	939.43	899.33	40.10	23.427	
10,100.00	9,360.00	9,151.97	8,418.00	33.17	31.47	-0.486	-1,261.93	1,511.84	939.35	898.47	40.89	22.975	
10,129.23	9,360.00	9,181.06	8,418.00	33.43	31.77	-0.363	-1,263.86	1,540.87	939.34	898.13	41.21	22.793	
10,200.00	9,360.00	9,251.63	8,418.00	34.07	32.55	-0.139	-1,267.33	1,611.35	939.32	897.34	41.99	22.373	
10,229.25	9,360.00	9,280.85	8,418.00	34.37	32.89	-0.077	-1,268.26	1,640.55	939.32	897.02	42.30	22.205	
10,300.00	9,360.00	9,351.57	8,418.00	35.12	33.77	-0.002	-1,269.27	1,711.27	939.32	896.28	43.04	21.824	
10,318.80	9,360.00	9,370.37	8,418.00	35.33	34.01	0.000	-1,269.25	1,730.06	939.32	896.09	43.23	21.727	
10,378.86	9,360.00	9,430.44	8,418.00	36.03	34.81	0.000	-1,269.07	1,790.13	939.32	895.47	43.85	21.419	
10,400.00	9,360.00	9,451.57	8,418.00	36.29	35.10	0.000	-1,269.00	1,811.27	939.32	895.24	44.08	21.312	
10,478.87	9,360.00	9,530.44	8,418.00	37.29	36.21	0.000	-1,268.77	1,890.13	939.32	894.40	44.92	20.913	
10,500.00	9,360.00	9,551.57	8,418.00	37.57	36.52	0.000	-1,268.71	1,911.27	939.32	894.18	45.14	20.808	
10,578.87	9,360.00	9,630.44	8,418.00	38.65	37.70	0.000	-1,268.47	1,990.13	939.32	893.31	46.01	20.418	
10,600.00	9,360.00	9,651.57	8,418.00	38.94	38.02	0.000	-1,268.41	2,011.27	939.32	893.08	46.24	20.315	
10,678.87	9,360.00	9,730.44	8,418.00	40.08	39.25	0.000	-1,268.17	2,090.13	939.32	892.20	47.12	19.934	
10,700.00	9,360.00	9,751.57	8,418.00	40.39	39.59	0.000	-1,268.11	2,111.27	939.32	891.96	47.36	19.833	
10,778.87	9,360.00	9,830.44	8,418.00	41.58	40.86	0.000	-1,267.87	2,190.13	939.32	891.06	48.26	19.462	
10,800.00	9,360.00	9,851.57	8,418.00	41.91	41.21	0.000	-1,267.81	2,211.27	939.32	890.81	48.51	19.364	
10,878.87	9,360.00	9,930.44	8,418.00	43.15	42.52	0.000	-1,267.58	2,290.13	939.32	889.89	49.43	19.003	
10,900.00	9,360.00	9,951.57	8,418.00	43.48	42.87	0.000	-1,267.51	2,311.26	939.32	889.64	49.68	18.908	
10,978.87	9,360.00	10,030.44	8,418.00	44.76	44.21	0.000	-1,267.28	2,390.13	939.32	888.70	50.62	18.557	
11,000.00	9,360.00	10,051.57	8,418.00	45.10	44.58	0.000	-1,267.22	2,411.26	939.32	888.45	50.87	18.465	
11,078.87	9,360.00	10,130.44	8,418.00	46.41	45.94	0.000	-1,266.98	2,490.13	939.32	887.49	51.83	18.125	
11,100.00	9,360.00	10,151.57	8,418.00	46.77	46.31	0.000	-1,266.92	2,511.26	939.32	887.24	52.08	18.035	
11,178.87	9,360.00	10,230.44	8,418.00	48.10	47.70	0.000	-1,266.68	2,590.13	939.32	886.27	53.05	17.706	
11,200.00	9,360.00	10,251.57	8,418.00	48.46	48.08	0.000	-1,266.62	2,611.26	939.32	886.01	53.31	17.619	
11,278.87	9,360.00	10,330.44	8,418.00	49.83	49.49	0.000	-1,266.38	2,690.13	939.32	885.02	54.30	17.300	
11,300.00	9,360.00	10,351.57	8,418.00	50.19	49.87	0.000	-1,266.32	2,711.26	939.32	884.76	54.56	17.216	
11,378.87	9,360.00	10,430.44	8,418.00	51.58	51.30	0.000	-1,266.09	2,790.13	939.32	883.76	55.56	16.907	
11,400.00	9,360.00	10,451.57	8,418.00	51.95	51.68	0.000	-1,266.02	2,811.26	939.32	883.49	55.83	16.826	
11,478.87	9,360.00	10,530.44	8,418.00	53.35	53.13	0.000	-1,265.79	2,890.13	939.32	882.49	56.83	16.528	
11,500.00	9,360.00	10,551.57	8,418.00	53.73	53.51	0.000	-1,265.72	2,911.26	939.32	882.22	57.10	16.449	
11,578.87	9,360.00	10,630.44	8,418.00	55.15	54.97	0.000	-1,265.49	2,990.13	939.32	881.20	58.12	16.161	
11,600.00	9,360.00	10,651.57	8,418.00	55.53	55.36	0.000	-1,265.43	3,011.26	939.32	880.92	58.40	16.085	
11,678.87	9,360.00	10,730.44	8,418.00	56.97	56.83	0.000	-1,265.19	3,090.13	939.32	879.89	59.43	15.806	
11,700.00	9,360.00	10,751.57	8,418.00	57.35	57.23	0.000	-1,265.13	3,111.26	939.32	879.61	59.71	15.733	
11,778.87	9,360.00	10,830.44	8,418.00	58.80	58.71	0.000	-1,264.89	3,190.13	939.32	878.58	60.74	15.463	
11,800.00	9,360.00	10,851.57	8,418.00	59.19	59.11	0.000	-1,264.83	3,211.26	939.32	878.30	61.02	15.393	
11,878.87	9,360.00	10,930.44	8,418.00	60.65	60.60	0.000	-1,264.59	3,290.13	939.32	877.25	62.07	15.132	
11,900.00	9,360.00	10,951.57	8,418.00	61.05	61.00	0.000	-1,264.53	3,311.26	939.32	876.96	62.36	15.064	
11,978.87	9,360.00	11,030.44	8,418.00	62.52	62.50	0.000	-1,264.30	3,390.13	939.32	875.91	63.41	14.813	
12,000.00	9,360.00	11,051.57	8,418.00	62.91	62.90	0.000	-1,264.23	3,411.26	939.32	875.62	63.70	14.747	
12,078.87	9,360.00	11,130.44	8,418.00	64.40	64.41	0.000	-1,264.00	3,490.13	939.32	874.56	64.76	14.504	
12,100.00	9,360.00	11,151.57	8,418.00	64.79	64.82	0.000	-1,263.94	3,511.26	939.32	874.27	65.05	14.440	
12,178.87	9,360.00	11,230.44	8,418.00	66.29	66.33	0.000	-1,263.70	3,590.13	939.32	873.20	66.12	14.206	
12,200.00	9,360.00	11,251.57	8,418.00	66.69	66.74	0.000	-1,263.64	3,611.26	939.32	872.91	66.41	14.144	
12,278.87	9,360.00	11,330.44	8,418.00	68.19	68.26	0.000	-1,263.40	3,690.13	939.32	871.83	67.49	13.918	
12,300.00	9,360.00	11,351.57	8,418.00	68.59	68.67	0.000	-1,263.34	3,711.26	939.32	871.54	67.78	13.858	
12,378.87	9,360.00	11,430.44	8,418.00	70.10	70.20	0.000	-1,263.10	3,790.13	939.32	870.45	68.87	13.640	
12,400.00	9,360.00	11,451.57	8,418.00	70.50	70.61	0.000	-1,263.04	3,811.26	939.32	870.16	69.16	13.582	
12,478.87	9,360.00	11,530.44	8,418.00	72.01	72.14	0.000	-1,262.81	3,890.13	939.32	869.07	70.25	13.371	
12,500.00	9,360.00	11,551.57	8,418.00	72.42	72.56	0.000	-1,262.74	3,911.26	939.32	868.77	70.55	13.315	
12,578.87	9,360.00	11,630.44	8,418.00	73.94	74.09	0.000	-1,262.51	3,990.12	939.32	867.68	71.65	13.111	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
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	Warning		
12,600.00	9,360.00	11,651.57	8,418.00	74.35	74.51	0.000	-1,262.44	4,011.26	939.32	867.38	71.94	13.057			
12,678.87	9,360.00	11,730.44	8,418.00	75.87	76.05	0.000	-1,262.21	4,090.12	939.32	866.28	73.04	12.859			
12,700.00	9,360.00	11,751.57	8,418.00	76.28	76.47	0.000	-1,262.15	4,111.26	939.32	865.98	73.34	12.808			
12,778.87	9,360.00	11,830.44	8,418.00	77.82	78.02	0.000	-1,261.91	4,190.12	939.32	864.87	74.45	12.617			
12,800.00	9,360.00	11,851.57	8,418.00	78.23	78.43	0.000	-1,261.85	4,211.26	939.32	864.57	74.75	12.566			
12,878.87	9,360.00	11,930.44	8,418.00	79.76	79.98	0.000	-1,261.61	4,290.12	939.32	863.46	75.86	12.382			
12,900.00	9,360.00	11,951.57	8,418.00	80.17	80.40	0.000	-1,261.55	4,311.26	939.32	863.16	76.16	12.333			
12,978.87	9,360.00	12,030.44	8,418.00	81.72	81.96	0.000	-1,261.31	4,390.12	939.32	862.04	77.28	12.154			
13,000.00	9,360.00	12,051.57	8,418.00	82.13	82.38	0.000	-1,261.25	4,411.26	939.32	861.74	77.58	12.107			
13,078.87	9,360.00	12,130.44	8,418.00	83.68	83.94	0.000	-1,261.02	4,490.12	939.32	860.61	78.71	11.934			
13,100.00	9,360.00	12,151.57	8,418.00	84.09	84.35	0.000	-1,260.95	4,511.25	939.32	860.31	79.01	11.889			
13,178.87	9,360.00	12,230.44	8,418.00	85.64	85.92	0.000	-1,260.72	4,590.12	939.32	859.18	80.14	11.721			
13,200.00	9,360.00	12,251.57	8,418.00	86.05	86.34	0.000	-1,260.66	4,611.25	939.32	858.88	80.44	11.677			
13,278.87	9,360.00	12,330.44	8,418.00	87.61	87.90	0.000	-1,260.42	4,690.12	939.32	857.75	81.57	11.515			
13,300.00	9,360.00	12,351.57	8,418.00	88.02	88.32	0.000	-1,260.36	4,711.25	939.32	857.44	81.88	11.472			
13,378.87	9,360.00	12,430.44	8,418.00	89.58	89.89	0.000	-1,260.12	4,790.12	939.32	856.31	83.01	11.315			
13,400.00	9,360.00	12,451.57	8,418.00	90.00	90.32	0.000	-1,260.06	4,811.25	939.32	856.00	83.32	11.274			
13,478.87	9,360.00	12,530.44	8,418.00	91.56	91.89	0.000	-1,259.82	4,890.12	939.32	854.86	84.46	11.122			
13,500.00	9,360.00	12,551.57	8,418.00	91.98	92.31	0.000	-1,259.76	4,911.25	939.32	854.56	84.76	11.082			
13,578.87	9,360.00	12,630.44	8,418.00	93.54	93.88	0.000	-1,259.53	4,990.12	939.32	853.41	85.91	10.934			
13,600.00	9,360.00	12,651.57	8,418.00	93.96	94.31	0.000	-1,259.46	5,011.25	939.32	853.11	86.21	10.895			
13,678.87	9,360.00	12,730.44	8,418.00	95.53	95.88	0.000	-1,259.23	5,090.12	939.32	851.96	87.36	10.752			
13,700.00	9,360.00	12,751.57	8,418.00	95.95	96.31	0.000	-1,259.16	5,111.25	939.32	851.65	87.67	10.715			
13,778.87	9,360.00	12,830.44	8,418.00	97.52	97.89	0.000	-1,258.93	5,190.12	939.32	850.50	88.82	10.576			
13,800.00	9,360.00	12,851.57	8,418.00	97.94	98.31	0.000	-1,258.87	5,211.25	939.32	850.19	89.13	10.539			
13,878.87	9,360.00	12,930.44	8,418.00	99.51	99.89	0.000	-1,258.63	5,290.12	939.32	849.04	90.28	10.405			
13,900.00	9,360.00	12,951.57	8,418.00	99.93	100.32	0.000	-1,258.57	5,311.25	939.32	848.73	90.59	10.369			
13,978.87	9,360.00	13,030.44	8,418.00	101.50	101.90	0.000	-1,258.33	5,390.12	939.32	847.58	91.74	10.239			
14,000.00	9,360.00	13,051.57	8,418.00	101.92	102.32	0.000	-1,258.27	5,411.25	939.32	847.27	92.05	10.204			
14,078.87	9,360.00	13,130.44	8,418.00	103.50	103.91	0.000	-1,258.03	5,490.12	939.32	846.11	93.21	10.077			
14,100.00	9,360.00	13,151.57	8,418.00	103.92	104.33	0.000	-1,257.97	5,511.25	939.32	845.80	93.52	10.044			
14,178.87	9,360.00	13,230.44	8,418.00	105.50	105.92	0.000	-1,257.74	5,590.12	939.32	844.64	94.68	9.921			
14,200.00	9,360.00	13,251.57	8,418.00	105.92	106.35	0.000	-1,257.67	5,611.25	939.32	844.33	94.99	9.888			
14,278.87	9,360.00	13,330.44	8,418.00	107.50	107.94	0.000	-1,257.44	5,690.12	939.32	843.16	96.16	9.769			
14,300.00	9,360.00	13,351.57	8,418.00	107.93	108.36	0.000	-1,257.38	5,711.25	939.32	842.85	96.47	9.737			
14,378.87	9,360.00	13,430.44	8,418.00	109.51	109.95	0.000	-1,257.14	5,790.12	939.32	841.69	97.63	9.621			
14,400.00	9,360.00	13,451.57	8,418.00	109.93	110.38	0.000	-1,257.08	5,811.25	939.32	841.37	97.95	9.590			
14,478.87	9,360.00	13,530.44	8,418.00	111.52	111.97	0.000	-1,256.84	5,890.12	939.32	840.21	99.11	9.477			
14,500.00	9,360.00	13,551.57	8,418.00	111.94	112.40	0.000	-1,256.78	5,911.25	939.32	839.89	99.43	9.447			
14,578.87	9,360.00	13,630.44	8,418.00	113.53	113.99	0.000	-1,256.54	5,990.12	939.32	838.72	100.60	9.337			
14,600.00	9,360.00	13,651.57	8,418.00	113.95	114.42	0.000	-1,256.48	6,011.25	939.32	838.41	100.91	9.308			
14,678.87	9,360.00	13,730.44	8,418.00	115.54	116.01	0.000	-1,256.25	6,090.12	939.32	837.24	102.08	9.202			
14,700.00	9,360.00	13,751.57	8,418.00	115.97	116.44	0.000	-1,256.18	6,111.25	939.32	836.92	102.40	9.173			
14,778.87	9,360.00	13,830.44	8,418.00	117.55	118.04	0.000	-1,255.95	6,190.11	939.32	835.75	103.57	9.069			
14,800.00	9,360.00	13,851.57	8,418.00	117.98	118.46	0.000	-1,255.88	6,211.25	939.32	835.44	103.88	9.042			
14,878.87	9,360.00	13,930.44	8,418.00	119.57	120.06	0.000	-1,255.65	6,290.11	939.32	834.26	105.06	8.941			
14,900.00	9,360.00	13,951.57	8,418.00	120.00	120.49	0.000	-1,255.59	6,311.25	939.32	833.94	105.38	8.914			
14,978.87	9,360.00	14,030.44	8,418.00	121.59	122.09	0.000	-1,255.35	6,390.11	939.32	832.77	106.55	8.816			
15,000.00	9,360.00	14,051.57	8,418.00	122.01	122.52	0.000	-1,255.29	6,411.25	939.32	832.45	106.87	8.790			
15,078.87	9,360.00	14,130.44	8,418.00	123.61	124.11	0.000	-1,255.05	6,490.11	939.32	831.27	108.05	8.694			
15,100.00	9,360.00	14,151.57	8,418.00	124.03	124.54	0.000	-1,254.99	6,511.25	939.32	830.96	108.36	8.668			
15,178.87	9,360.00	14,230.44	8,418.00	125.63	126.14	0.000	-1,254.75	6,590.11	939.32	829.78	109.54	8.575			

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,200.00	9,360.00	14,251.57	8,418.00	126.06	126.57	0.000	-1,254.69	6,611.25	939.32	829.46	109.86	8.550	
15,278.87	9,360.00	14,330.44	8,418.00	127.65	128.17	0.000	-1,254.46	6,690.11	939.32	828.28	111.04	8.459	
15,300.00	9,360.00	14,351.57	8,418.00	128.08	128.60	0.000	-1,254.39	6,711.25	939.32	827.96	111.36	8.435	
15,378.87	9,360.00	14,430.44	8,418.00	129.68	130.21	0.000	-1,254.16	6,790.11	939.32	826.78	112.54	8.346	
15,400.00	9,360.00	14,451.57	8,418.00	130.10	130.64	0.000	-1,254.10	6,811.24	939.32	826.46	112.86	8.323	
15,478.87	9,360.00	14,530.44	8,418.00	131.70	132.24	0.000	-1,253.86	6,890.11	939.32	825.27	114.05	8.236	
15,500.00	9,360.00	14,551.57	8,418.00	132.13	132.67	0.000	-1,253.80	6,911.24	939.32	824.96	114.36	8.213	
15,578.87	9,360.00	14,630.44	8,418.00	133.73	134.27	0.000	-1,253.56	6,990.11	939.32	823.77	115.55	8.129	
15,600.00	9,360.00	14,651.57	8,418.00	134.16	134.70	0.000	-1,253.50	7,011.24	939.32	823.45	115.87	8.107	
15,678.87	9,360.00	14,730.44	8,418.00	135.76	136.31	0.000	-1,253.26	7,090.11	939.32	822.26	117.06	8.025	
15,700.00	9,360.00	14,751.57	8,418.00	136.18	136.74	0.000	-1,253.20	7,111.24	939.32	821.95	117.37	8.003	
15,778.87	9,360.00	14,830.44	8,418.00	137.78	138.34	0.000	-1,252.97	7,190.11	939.32	820.76	118.56	7.922	
15,800.00	9,360.00	14,851.57	8,418.00	138.21	138.77	0.000	-1,252.90	7,211.24	939.32	820.44	118.88	7.901	
15,878.87	9,360.00	14,930.44	8,418.00	139.82	140.38	0.000	-1,252.67	7,290.11	939.32	819.25	120.07	7.823	
15,900.00	9,360.00	14,951.57	8,418.00	140.24	140.81	0.000	-1,252.60	7,311.24	939.32	818.93	120.39	7.802	
15,978.87	9,360.00	15,030.44	8,418.00	141.85	142.42	0.000	-1,252.37	7,390.11	939.32	817.74	121.58	7.726	
16,000.00	9,360.00	15,051.57	8,418.00	142.28	142.85	0.000	-1,252.31	7,411.24	939.32	817.42	121.90	7.705	
16,078.87	9,360.00	15,130.44	8,418.00	143.88	144.46	0.000	-1,252.07	7,490.11	939.32	816.22	123.10	7.631	
16,100.00	9,360.00	15,151.57	8,418.00	144.31	144.89	0.000	-1,252.01	7,511.24	939.32	815.90	123.42	7.611	
16,178.87	9,360.00	15,230.44	8,418.00	145.91	146.50	0.000	-1,251.77	7,590.11	939.32	814.71	124.61	7.538	
16,200.00	9,360.00	15,251.57	8,418.00	146.34	146.93	0.000	-1,251.71	7,611.24	939.32	814.39	124.93	7.519	
16,278.87	9,360.00	15,330.44	8,418.00	147.95	148.54	0.000	-1,251.47	7,690.11	939.32	813.20	126.12	7.448	
16,300.00	9,360.00	15,351.57	8,418.00	148.38	148.97	0.000	-1,251.41	7,711.24	939.32	812.87	126.45	7.429	
16,378.87	9,360.00	15,430.44	8,418.00	149.98	150.58	0.000	-1,251.18	7,790.11	939.32	811.68	127.64	7.359	
16,400.00	9,360.00	15,451.57	8,418.00	150.41	151.01	0.000	-1,251.11	7,811.24	939.32	811.36	127.96	7.341	
16,478.87	9,360.00	15,530.44	8,418.00	152.02	152.62	0.000	-1,250.88	7,890.11	939.32	810.16	129.16	7.273	
16,500.00	9,360.00	15,551.57	8,418.00	152.45	153.05	0.000	-1,250.82	7,911.24	939.32	809.84	129.48	7.255	
16,578.87	9,360.00	15,630.44	8,418.00	154.06	154.66	0.000	-1,250.58	7,990.11	939.32	808.64	130.68	7.188	
16,600.00	9,360.00	15,651.57	8,418.00	154.49	155.10	0.000	-1,250.52	8,011.24	939.32	808.32	131.00	7.170	
16,678.87	9,360.00	15,730.44	8,418.00	156.10	156.71	0.000	-1,250.28	8,090.11	939.32	807.12	132.20	7.105	
16,700.00	9,360.00	15,751.57	8,418.00	156.53	157.14	0.000	-1,250.22	8,111.24	939.32	806.80	132.52	7.088	
16,778.87	9,360.00	15,830.44	8,418.00	158.13	158.75	0.000	-1,249.98	8,190.11	939.32	805.60	133.72	7.025	
16,800.00	9,360.00	15,851.57	8,418.00	158.57	159.18	0.000	-1,249.92	8,211.24	939.32	805.28	134.04	7.008	
16,878.87	9,360.00	15,930.44	8,418.00	160.17	160.80	0.000	-1,249.69	8,290.11	939.32	804.08	135.24	6.946	
16,900.00	9,360.00	15,951.57	8,418.00	160.61	161.23	0.000	-1,249.62	8,311.24	939.32	803.76	135.56	6.929	
16,978.87	9,360.00	16,030.44	8,418.00	162.21	162.84	0.000	-1,249.39	8,390.11	939.32	802.56	136.76	6.868	
17,000.00	9,360.00	16,051.57	8,418.00	162.65	163.27	0.000	-1,249.32	8,411.24	939.32	802.23	137.09	6.852	
17,078.87	9,360.00	16,130.44	8,418.00	164.26	164.89	0.000	-1,249.09	8,490.10	939.32	801.03	138.29	6.792	
17,100.00	9,360.00	16,151.57	8,418.00	164.69	165.32	0.000	-1,249.03	8,511.24	939.32	800.71	138.61	6.777	
17,178.87	9,360.00	16,230.44	8,418.00	166.30	166.93	0.000	-1,248.79	8,590.10	939.32	799.51	139.81	6.718	
17,200.00	9,360.00	16,251.57	8,418.00	166.73	167.37	0.000	-1,248.73	8,611.24	939.32	799.18	140.14	6.703	
17,278.87	9,360.00	16,330.44	8,418.00	168.34	168.98	0.000	-1,248.49	8,690.10	939.32	797.98	141.34	6.646	
17,300.00	9,360.00	16,351.57	8,418.00	168.77	169.41	0.000	-1,248.43	8,711.24	939.32	797.66	141.66	6.631	
17,378.87	9,360.00	16,430.44	8,418.00	170.38	171.03	0.000	-1,248.19	8,790.10	939.32	796.45	142.87	6.575	
17,400.00	9,360.00	16,451.57	8,418.00	170.82	171.46	0.000	-1,248.13	8,811.24	939.32	796.13	143.19	6.560	
17,478.87	9,360.00	16,530.44	8,418.00	172.43	173.08	0.000	-1,247.90	8,890.10	939.32	794.92	144.40	6.505	
17,500.00	9,360.00	16,551.57	8,418.00	172.86	173.51	0.000	-1,247.83	8,911.24	939.32	794.60	144.72	6.491	
17,578.87	9,360.00	16,630.44	8,418.00	174.47	175.12	0.000	-1,247.60	8,990.10	939.32	793.40	145.92	6.437	
17,600.00	9,360.00	16,651.57	8,418.00	174.90	175.56	0.000	-1,247.54	9,011.23	939.32	793.07	146.25	6.423	
17,678.87	9,360.00	16,730.44	8,418.00	176.52	177.17	0.000	-1,247.30	9,090.10	939.32	791.87	147.45	6.370	
17,700.00	9,360.00	16,751.57	8,418.00	176.95	177.61	0.000	-1,247.24	9,111.23	939.32	791.54	147.78	6.356	
17,778.87	9,360.00	16,830.44	8,418.00	178.56	179.22	0.000	-1,247.00	9,190.10	939.32	790.33	148.99	6.305	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
17,800.00	9,360.00	16,851.57	8,418.00	178.99	179.66	0.000	-1,246.94	9,211.23	939.32	790.01	149.31	6.291	
17,878.87	9,360.00	16,930.44	8,418.00	180.61	181.27	0.000	-1,246.70	9,290.10	939.32	788.80	150.52	6.241	
17,900.00	9,360.00	16,951.57	8,418.00	181.04	181.71	0.000	-1,246.64	9,311.23	939.32	788.48	150.84	6.227	
17,978.87	9,360.00	17,030.44	8,418.00	182.66	183.32	0.000	-1,246.41	9,390.10	939.32	787.27	152.05	6.178	
18,000.00	9,360.00	17,051.57	8,418.00	183.09	183.76	0.000	-1,246.34	9,411.23	939.32	786.95	152.37	6.165	
18,078.87	9,360.00	17,130.44	8,418.00	184.70	185.37	0.000	-1,246.11	9,490.10	939.32	785.74	153.58	6.116	
18,100.00	9,360.00	17,151.57	8,418.00	185.14	185.81	0.000	-1,246.04	9,511.23	939.32	785.41	153.91	6.103	
18,178.87	9,360.00	17,230.44	8,418.00	186.75	187.43	0.000	-1,245.81	9,590.10	939.32	784.20	155.12	6.056	
18,200.00	9,360.00	17,251.57	8,418.00	187.18	187.86	0.000	-1,245.75	9,611.23	939.32	783.88	155.44	6.043	
18,278.87	9,360.00	17,330.44	8,418.00	188.80	189.48	0.000	-1,245.51	9,690.10	939.32	782.67	156.65	5.996	
18,300.00	9,360.00	17,351.57	8,418.00	189.23	189.91	0.000	-1,245.45	9,711.23	939.32	782.35	156.97	5.984	
18,378.87	9,360.00	17,430.44	8,418.00	190.85	191.53	0.000	-1,245.21	9,790.10	939.32	781.13	158.19	5.938	
18,400.00	9,360.00	17,451.57	8,418.00	191.28	191.96	0.000	-1,245.15	9,811.23	939.32	780.81	158.51	5.926	
18,478.87	9,360.00	17,530.44	8,418.00	192.90	193.58	0.000	-1,244.91	9,890.10	939.32	779.60	159.72	5.881	
18,500.00	9,360.00	17,551.57	8,418.00	193.33	194.02	0.000	-1,244.85	9,911.23	939.32	779.27	160.05	5.869	
18,578.87	9,360.00	17,630.44	8,418.00	194.95	195.63	0.000	-1,244.62	9,990.10	939.32	778.06	161.26	5.825	
18,600.00	9,360.00	17,651.57	8,418.00	195.38	196.07	0.000	-1,244.55	10,011.23	939.32	777.74	161.58	5.813	
18,678.87	9,360.00	17,730.44	8,418.00	197.00	197.69	0.000	-1,244.32	10,090.10	939.32	776.52	162.80	5.770	
18,700.00	9,360.00	17,751.57	8,418.00	197.43	198.12	0.000	-1,244.26	10,111.23	939.32	776.20	163.12	5.758	
18,778.87	9,360.00	17,830.44	8,418.00	199.05	199.74	0.000	-1,244.02	10,190.10	939.32	774.99	164.33	5.716	
18,800.00	9,360.00	17,851.57	8,418.00	199.48	200.17	0.000	-1,243.96	10,211.23	939.32	774.66	164.66	5.705	
18,878.87	9,360.00	17,930.44	8,418.00	201.10	201.79	0.000	-1,243.72	10,290.10	939.32	773.45	165.87	5.663	
18,900.00	9,360.00	17,951.57	8,418.00	201.53	202.23	0.000	-1,243.66	10,311.23	939.32	773.12	166.20	5.652	
18,978.87	9,360.00	18,030.44	8,418.00	203.15	203.85	0.000	-1,243.42	10,390.10	939.32	771.91	167.41	5.611	
19,000.00	9,360.00	18,051.57	8,418.00	203.58	204.28	0.000	-1,243.36	10,411.23	939.32	771.58	167.74	5.600	
19,078.87	9,360.00	18,130.44	8,418.00	205.20	205.90	0.000	-1,243.13	10,490.10	939.32	770.37	168.95	5.560	
19,100.00	9,360.00	18,151.57	8,418.00	205.63	206.34	0.000	-1,243.06	10,511.23	939.32	770.04	169.28	5.549	
19,178.87	9,360.00	18,230.44	8,418.00	207.25	207.96	0.000	-1,242.83	10,590.10	939.32	768.83	170.49	5.510	
19,200.00	9,360.00	18,251.57	8,418.00	207.68	208.39	0.000	-1,242.76	10,611.23	939.32	768.50	170.82	5.499	
19,278.87	9,360.00	18,330.44	8,418.00	209.30	210.01	0.000	-1,242.53	10,690.10	939.32	767.29	172.03	5.460	
19,300.00	9,360.00	18,351.57	8,418.00	209.74	210.45	0.000	-1,242.47	10,711.23	939.32	766.96	172.36	5.450	
19,378.87	9,360.00	18,430.44	8,418.00	211.36	212.07	0.000	-1,242.23	10,790.09	939.32	765.75	173.57	5.412	
19,400.00	9,360.00	18,451.57	8,418.00	211.79	212.50	0.000	-1,242.17	10,811.23	939.32	765.42	173.90	5.402	
19,478.87	9,360.00	18,530.44	8,418.00	213.41	214.12	0.000	-1,241.93	10,890.09	939.32	764.21	175.11	5.364	
19,500.00	9,360.00	18,551.57	8,418.00	213.84	214.56	0.000	-1,241.87	10,911.23	939.32	763.88	175.44	5.354	
19,578.87	9,360.00	18,630.44	8,418.00	215.46	216.18	0.000	-1,241.63	10,990.09	939.32	762.67	176.65	5.317	
19,600.00	9,360.00	18,651.57	8,418.00	215.89	216.61	0.000	-1,241.57	11,011.23	939.32	762.34	176.98	5.307	
19,678.87	9,360.00	18,730.44	8,418.00	217.51	218.24	0.000	-1,241.34	11,090.09	939.32	761.12	178.20	5.271	
19,700.00	9,360.00	18,751.57	8,418.00	217.95	218.67	0.000	-1,241.27	11,111.23	939.32	760.80	178.52	5.262	
19,778.87	9,360.00	18,830.44	8,418.00	219.57	220.29	0.000	-1,241.04	11,190.09	939.32	759.58	179.74	5.226	
19,800.00	9,360.00	18,851.57	8,418.00	220.00	220.73	0.000	-1,240.98	11,211.23	939.32	759.25	180.07	5.217	
19,878.87	9,360.00	18,930.44	8,418.00	221.62	222.35	0.000	-1,240.74	11,290.09	939.32	758.04	181.28	5.181	
19,900.00	9,360.00	18,951.57	8,418.00	222.06	222.78	0.000	-1,240.68	11,311.22	939.32	757.71	181.61	5.172	
19,978.87	9,360.00	19,030.44	8,418.00	223.68	224.41	0.000	-1,240.44	11,390.09	939.32	756.49	182.83	5.138	
20,000.00	9,360.00	19,051.57	8,418.00	224.11	224.84	0.000	-1,240.38	11,411.22	939.32	756.17	183.15	5.129	
20,078.87	9,360.00	19,130.44	8,418.00	225.73	226.46	0.000	-1,240.14	11,490.09	939.32	754.95	184.37	5.095	
20,100.00	9,360.00	19,151.57	8,418.00	226.17	226.90	0.000	-1,240.08	11,511.22	939.32	754.62	184.70	5.086	
20,178.87	9,360.00	19,230.44	8,418.00	227.79	228.52	0.000	-1,239.85	11,590.09	939.32	753.40	185.92	5.052	
20,200.00	9,360.00	19,251.57	8,418.00	228.22	228.95	0.000	-1,239.78	11,611.22	939.32	753.08	186.24	5.044	
20,278.87	9,360.00	19,330.44	8,418.00	229.84	230.58	0.000	-1,239.55	11,690.09	939.32	751.86	187.46	5.011	
20,300.00	9,360.00	19,351.57	8,418.00	230.28	231.01	0.000	-1,239.48	11,711.22	939.32	751.53	187.79	5.002	
20,321.57	9,360.00	19,373.14	8,418.00	230.72	231.46	0.000	-1,239.42	11,732.79	939.32	751.20	188.12	4.993	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft		
Measured Reference	Vertical	Measured	Vertical	Reference	Offset	Highside			Distance				Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor		
20,327.35	9,360.00	19,378.92	8,418.00	230.84	231.57	0.000	-1,239.40	11,738.57	939.32	751.11	188.21	4.991		

Dixon Directional

Anticollision Report



Company:	PBEX	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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	Offset	Semi Major Axis		Reference		Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Tooface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
0.00	0.00	0.00	0.00	0.00	0.00	171.269	-236.89	36.38	239.68				
100.00	100.00	97.94	97.94	0.79	0.77	171.269	-236.89	36.38	239.67	238.11	1.56	154.118	
200.00	200.00	197.94	197.94	1.45	1.43	171.269	-236.89	36.38	239.67	236.79	2.88	83.259	
300.00	300.00	297.94	297.94	1.89	1.88	171.269	-236.89	36.38	239.67	235.90	3.77	63.502	
400.00	400.00	397.94	397.94	2.25	2.25	171.269	-236.89	36.38	239.67	235.17	4.50	53.261	
500.00	500.00	497.94	497.94	2.57	2.56	171.269	-236.89	36.38	239.67	234.54	5.13	46.729	
600.00	600.00	597.94	597.94	2.85	2.84	171.269	-236.89	36.38	239.67	233.98	5.69	42.096	
700.00	700.00	697.94	697.94	3.11	3.10	171.269	-236.89	36.38	239.67	233.46	6.21	38.588	
800.00	800.00	797.94	797.94	3.35	3.34	171.269	-236.89	36.38	239.67	232.98	6.69	35.811	
900.00	900.00	897.94	897.94	3.58	3.57	171.269	-236.89	36.38	239.67	232.52	7.15	33.541	
1,000.00	1,000.00	997.94	997.94	3.79	3.79	171.269	-236.89	36.38	239.67	232.10	7.58	31.639	
1,100.00	1,100.00	1,097.94	1,097.94	3.99	3.99	171.269	-236.89	36.38	239.67	231.69	7.98	30.016	
1,200.00	1,200.00	1,197.94	1,197.94	4.19	4.19	171.269	-236.89	36.38	239.67	231.29	8.38	28.608	
1,300.00	1,300.00	1,297.94	1,297.94	4.38	4.38	171.269	-236.89	36.38	239.67	230.91	8.76	27.373	
1,400.00	1,400.00	1,397.94	1,397.94	4.56	4.56	171.269	-236.89	36.38	239.67	230.55	9.12	26.276	
1,500.00	1,500.00	1,497.94	1,497.94	4.74	4.74	171.269	-236.89	36.38	239.67	230.19	9.48	25.293	
1,600.00	1,600.00	1,597.94	1,597.94	4.91	4.91	171.269	-236.89	36.38	239.67	229.85	9.82	24.407	
1,700.00	1,700.00	1,697.94	1,697.94	5.08	5.08	171.269	-236.89	36.38	239.67	229.52	10.15	23.601	
1,800.00	1,800.00	1,797.94	1,797.94	5.24	5.24	171.269	-236.89	36.38	239.67	229.19	10.48	22.865	
1,900.00	1,900.00	1,897.94	1,897.94	5.40	5.40	171.269	-236.89	36.38	239.67	228.87	10.80	22.189	
2,000.00	2,000.00	1,997.94	1,997.94	5.56	5.56	171.269	-236.89	36.38	239.67	228.56	11.11	21.565	
2,100.00	2,099.98	2,097.92	2,097.92	5.78	5.71	22.042	-236.89	36.38	238.05	226.58	11.48	20.745	
2,200.00	2,199.84	2,197.78	2,197.78	5.99	5.86	22.561	-236.89	36.38	233.21	221.39	11.82	19.731	
2,300.00	2,299.45	2,297.39	2,297.39	6.21	6.01	23.476	-236.89	36.38	225.18	213.01	12.17	18.497	
2,400.00	2,398.70	2,396.64	2,396.64	6.46	6.15	24.868	-236.89	36.38	214.05	201.51	12.54	17.072	
2,500.00	2,497.47	2,495.41	2,495.41	6.73	6.29	26.877	-236.89	36.38	199.94	187.03	12.91	15.488	
2,600.00	2,595.62	2,594.89	2,594.86	7.02	6.53	29.221	-236.50	38.12	182.72	169.44	13.28	13.758	
2,700.00	2,693.06	2,693.94	2,693.75	7.33	6.76	31.371	-235.23	43.66	162.01	148.36	13.66	11.864	
2,800.00	2,789.64	2,792.22	2,791.56	7.67	7.01	33.389	-233.12	52.90	137.71	123.67	14.04	9.807	
2,900.00	2,885.27	2,888.54	2,887.14	8.02	7.17	35.887	-230.46	64.57	110.06	95.65	14.41	7.637	
3,000.00	2,980.04	2,983.78	2,981.63	8.30	7.35	40.851	-227.80	76.22	80.55	65.88	14.67	5.491	
3,100.00	3,074.73	3,078.96	3,076.05	8.63	7.55	51.206	-225.15	87.87	52.01	37.16	14.85	3.502	
3,200.00	3,169.42	3,174.13	3,170.47	8.98	7.76	80.860	-222.49	99.51	28.38	13.59	14.79	1.919 Level 3	
3,250.84	3,217.57	3,222.52	3,218.47	9.16	7.88	112.921	-221.14	105.43	23.71	8.32	15.39	1.541 Level 3, CC, ES, SF	
3,300.00	3,264.12	3,269.31	3,264.89	9.34	7.99	144.121	-219.84	111.16	28.10	11.63	16.47	1.707 Level 3	
3,400.00	3,358.81	3,364.48	3,359.31	9.72	8.23	174.366	-217.18	122.80	51.55	34.31	17.24	2.990	
3,500.00	3,453.50	3,459.65	3,453.74	10.11	8.48	-175.124	-214.52	134.45	80.06	62.39	17.67	4.530	
3,600.00	3,548.20	3,554.83	3,548.16	10.51	8.75	-170.167	-211.87	146.09	109.75	91.63	18.12	6.057	
3,700.00	3,642.89	3,650.00	3,642.58	10.93	9.02	-167.323	-209.21	157.74	139.87	121.28	18.59	7.523	
3,800.00	3,737.58	3,745.18	3,737.00	11.35	9.31	-165.488	-206.55	169.38	170.20	151.11	19.09	8.917	
3,900.00	3,832.27	3,840.35	3,831.42	11.78	9.60	-164.207	-203.90	181.03	200.63	181.04	19.60	10.238	
4,000.00	3,926.97	3,935.52	3,925.84	12.21	9.90	-163.263	-201.24	192.67	231.14	211.02	20.12	11.489	
4,100.00	4,021.66	4,030.70	4,020.27	12.66	10.21	-162.540	-198.59	204.32	261.68	241.03	20.65	12.672	
4,200.00	4,116.35	4,125.87	4,114.69	13.10	10.52	-161.968	-195.93	215.96	292.26	271.07	21.19	13.792	
4,300.00	4,211.04	4,221.05	4,209.11	13.56	10.84	-161.504	-193.27	227.61	322.86	301.12	21.74	14.852	
4,400.00	4,305.74	4,316.22	4,303.53	14.01	11.17	-161.120	-190.62	239.25	353.47	331.18	22.29	15.857	
4,500.00	4,400.43	4,411.40	4,397.95	14.48	11.50	-160.798	-187.96	250.90	384.10	361.25	22.85	16.810	
4,600.00	4,495.12	4,506.57	4,492.37	14.94	11.83	-160.523	-185.30	262.55	414.74	391.32	23.41	17.713	
4,700.00	4,589.81	4,601.74	4,586.80	15.41	12.17	-160.286	-182.65	274.19	445.38	421.40	23.98	18.572	
4,800.00	4,684.51	4,696.92	4,681.22	15.88	12.51	-160.079	-179.99	285.84	476.03	451.48	24.55	19.387	
4,900.00	4,779.20	4,792.09	4,775.64	16.36	12.86	-159.898	-177.33	297.48	506.68	481.55	25.13	20.163	
5,000.00	4,873.89	4,887.27	4,870.06	16.84	13.21	-159.737	-174.68	309.13	537.34	511.63	25.71	20.902	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
5,100.00	4,968.58	4,982.44	4,964.48	17.32	13.56	-159.593	-172.02	320.77	568.00	541.71	26.29	21.605	
5,200.00	5,063.28	5,077.61	5,058.90	17.80	13.92	-159.464	-169.37	332.42	598.67	571.79	26.87	22.276	
5,300.00	5,157.97	5,172.79	5,153.33	18.28	14.27	-159.348	-166.71	344.06	629.34	601.87	27.46	22.917	
5,400.00	5,252.66	5,267.96	5,247.75	18.77	14.63	-159.243	-164.05	355.71	660.01	631.95	28.05	23.529	
5,500.00	5,347.36	5,363.14	5,342.17	19.26	15.00	-159.147	-161.40	367.35	690.68	662.03	28.64	24.113	
5,600.00	5,442.05	5,458.31	5,436.59	19.75	15.36	-159.059	-158.74	379.00	721.35	692.11	29.24	24.673	
5,700.00	5,536.74	5,553.48	5,531.01	20.24	15.73	-158.978	-156.08	390.64	752.02	722.19	29.83	25.209	
5,800.00	5,631.43	5,648.66	5,625.43	20.73	16.09	-158.904	-153.43	402.29	782.70	752.27	30.43	25.722	
5,900.00	5,726.13	5,743.83	5,719.86	21.23	16.46	-158.835	-150.77	413.93	813.38	782.35	31.03	26.214	
6,000.00	5,820.82	5,839.01	5,814.28	21.72	16.83	-158.771	-148.11	425.58	844.05	812.42	31.63	26.686	
6,100.00	5,915.51	5,934.18	5,908.70	22.22	17.21	-158.712	-145.46	437.22	874.73	842.50	32.23	27.140	
6,200.00	6,010.20	6,029.36	6,003.12	22.72	17.58	-158.656	-142.80	448.87	905.41	872.58	32.83	27.576	
6,300.00	6,104.90	6,124.53	6,097.54	23.22	17.96	-158.605	-140.15	460.51	936.09	902.65	33.44	27.994	
6,400.00	6,199.59	6,219.70	6,191.96	23.72	18.33	-158.556	-137.49	472.16	966.77	932.73	34.04	28.398	
6,500.00	6,294.28	6,314.88	6,286.39	24.22	18.71	-158.511	-134.83	483.80	997.45	962.80	34.65	28.786	
6,600.00	6,388.98	6,410.06	6,380.81	24.71	19.09	-158.492	-132.18	495.45	1,028.12	992.86	35.25	29.164	
6,700.00	6,484.32	6,505.80	6,475.80	25.24	19.47	-158.628	-129.50	507.16	1,056.93	1,021.04	35.88	29.454	
6,800.00	6,580.66	6,602.40	6,571.64	25.75	19.86	-158.672	-126.81	518.98	1,082.61	1,046.13	36.48	29.673	
6,900.00	6,677.88	6,699.75	6,668.21	26.24	20.25	-158.629	-124.09	530.89	1,105.15	1,068.08	37.07	29.814	
7,000.00	6,775.85	6,797.71	6,765.40	26.72	20.64	-158.505	-121.36	542.88	1,124.53	1,086.90	37.63	29.883	
7,100.00	6,874.46	6,896.18	6,863.09	27.17	21.04	-158.300	-118.61	554.93	1,140.75	1,102.58	38.17	29.885	
7,200.00	6,973.59	6,995.02	6,961.15	27.61	21.44	-158.016	-115.85	567.02	1,153.80	1,115.11	38.68	29.826	
7,300.00	7,073.12	7,094.13	7,059.48	28.02	21.84	-157.654	-113.08	579.15	1,163.69	1,124.53	39.16	29.714	
7,400.00	7,172.92	7,193.39	7,157.95	28.38	22.24	-157.210	-110.31	591.30	1,170.44	1,130.84	39.60	29.557	
7,500.00	7,272.88	7,292.66	7,256.43	28.68	22.64	-156.682	-107.54	603.44	1,174.09	1,134.12	39.97	29.377	
7,600.00	7,372.88	7,391.87	7,354.86	28.72	23.04	-6.688	-104.77	615.58	1,175.49	1,135.39	40.11	29.309	
7,700.00	7,472.88	7,491.08	7,453.29	28.74	23.45	-6.086	-102.00	627.72	1,176.92	1,136.69	40.23	29.253	
7,800.00	7,572.88	7,591.75	7,553.18	28.76	23.84	-5.481	-99.22	639.93	1,178.46	1,138.11	40.35	29.209	
7,900.00	7,672.88	7,692.93	7,658.87	28.78	24.27	-4.995	-96.98	649.76	1,179.72	1,139.21	40.52	29.118	
8,000.00	7,772.88	7,804.77	7,765.55	28.80	24.65	-4.724	-95.72	655.25	1,180.46	1,139.78	40.68	29.016	
8,100.00	7,872.88	7,905.79	7,866.55	28.82	24.85	-4.644	-95.37	656.88	1,180.67	1,139.89	40.79	28.948	
8,200.00	7,972.88	7,988.14	7,948.34	28.84	25.22	-4.211	-93.79	665.72	1,181.78	1,140.98	40.80	28.968	
8,300.00	8,072.88	8,066.39	8,024.11	28.86	25.64	-3.281	-90.38	684.73	1,184.65	1,143.84	40.81	29.029	
8,400.00	8,172.88	8,138.22	8,090.76	28.89	26.03	-2.003	-85.67	710.97	1,189.91	1,149.10	40.81	29.155	
8,500.00	8,272.88	8,200.00	8,145.03	28.91	26.38	-0.602	-80.47	739.96	1,198.38	1,157.60	40.78	29.390	
8,600.00	8,372.88	8,258.86	8,193.51	28.93	26.70	0.971	-74.58	772.77	1,210.80	1,170.05	40.75	29.712	
8,700.00	8,472.88	8,300.00	8,225.24	28.95	26.91	2.194	-69.96	798.53	1,227.89	1,187.32	40.57	30.264	
8,800.00	8,572.88	8,350.00	8,261.15	28.98	27.16	3.801	-63.82	832.75	1,249.97	1,209.45	40.52	30.851	
8,900.00	8,672.88	8,387.00	8,285.70	29.00	27.33	5.064	-58.94	859.99	1,277.41	1,237.08	40.34	31.670	
9,000.00	8,772.88	8,418.79	8,305.33	29.02	27.46	6.193	-54.52	884.60	1,310.26	1,270.15	40.11	32.669	
9,100.00	8,872.56	8,450.00	8,323.22	29.17	27.60	-79.136	-50.01	909.76	1,347.55	1,307.69	39.86	33.809	
9,200.00	8,969.64	8,480.95	8,339.57	29.43	27.71	-74.118	-45.37	935.62	1,386.61	1,347.01	39.61	35.009	
9,300.00	9,061.17	8,514.70	8,355.74	29.73	27.83	-69.318	-40.14	964.77	1,425.62	1,386.19	39.42	36.162	
9,400.00	9,144.37	8,550.00	8,370.77	30.03	27.94	-64.999	-34.50	996.21	1,462.96	1,423.64	39.32	37.206	
9,500.00	9,216.72	8,600.00	8,388.62	30.33	28.07	-61.172	-26.26	1,042.17	1,497.44	1,457.92	39.53	37.881	
9,600.00	9,276.01	8,621.92	8,395.15	30.65	28.12	-58.318	-22.56	1,062.76	1,527.43	1,487.97	39.46	38.711	
9,700.00	9,320.44	8,650.00	8,402.34	30.99	28.18	-56.032	-17.77	1,089.48	1,552.62	1,512.99	39.62	39.184	
9,800.00	9,348.66	8,700.00	8,411.81	31.38	28.25	-54.433	-9.10	1,137.78	1,572.00	1,531.71	40.30	39.011	
9,900.00	9,359.83	8,732.93	8,415.70	31.84	28.28	-53.488	-3.33	1,169.96	1,585.29	1,544.38	40.91	38.746	
10,000.00	9,360.00	8,770.09	8,417.82	32.43	28.31	-53.576	3.22	1,206.48	1,596.04	1,554.32	41.72	38.259	
10,100.00	9,360.00	8,896.45	8,418.00	33.17	28.34	-54.002	23.36	1,331.20	1,608.86	1,564.91	43.95	36.605	
10,200.00	9,360.00	9,079.86	8,418.00	34.07	28.41	-54.396	42.82	1,513.54	1,617.25	1,569.81	47.44	34.087	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
10,222.73	9,360.00	9,121.84	8,418.00	34.30	28.44	-54.452	45.63	1,555.44	1,618.43	1,570.13	48.30	33.509	
10,300.00	9,360.00	9,264.96	8,418.00	35.12	28.68	-54.545	50.60	1,698.45	1,620.43	1,569.16	51.27	31.605	
10,323.40	9,360.00	9,297.23	8,418.00	35.38	28.81	-54.546	50.76	1,730.73	1,620.46	1,568.46	51.99	31.166	
10,400.00	9,360.00	9,373.84	8,418.00	36.29	29.36	-54.546	50.99	1,807.33	1,620.46	1,566.60	53.86	30.086	
10,423.32	9,360.00	9,397.15	8,418.00	36.58	29.61	-54.546	51.06	1,830.65	1,620.46	1,566.01	54.45	29.763	
10,500.00	9,360.00	9,473.84	8,418.00	37.57	30.67	-54.546	51.29	1,907.33	1,620.46	1,564.06	56.40	28.733	
10,523.32	9,360.00	9,497.15	8,418.00	37.88	31.03	-54.546	51.35	1,930.65	1,620.46	1,563.45	57.01	28.426	
10,600.00	9,360.00	9,573.84	8,418.00	38.94	32.31	-54.546	51.58	2,007.33	1,620.46	1,561.43	59.03	27.451	
10,623.32	9,360.00	9,597.15	8,418.00	39.27	32.72	-54.546	51.65	2,030.65	1,620.46	1,560.80	59.66	27.162	
10,700.00	9,360.00	9,673.84	8,418.00	40.39	34.08	-54.546	51.88	2,107.33	1,620.46	1,558.71	61.75	26.243	
10,723.32	9,360.00	9,697.15	8,418.00	40.74	34.50	-54.546	51.95	2,130.65	1,620.46	1,558.06	62.40	25.971	
10,800.00	9,360.00	9,773.84	8,418.00	41.91	35.91	-54.546	52.18	2,207.33	1,620.46	1,555.92	64.54	25.107	
10,823.32	9,360.00	9,797.15	8,418.00	42.27	36.34	-54.546	52.25	2,230.65	1,620.46	1,555.25	65.20	24.852	
10,900.00	9,360.00	9,873.84	8,418.00	43.48	37.78	-54.546	52.48	2,307.33	1,620.46	1,553.06	67.40	24.043	
10,923.32	9,360.00	9,897.15	8,418.00	43.86	38.21	-54.546	52.55	2,330.65	1,620.46	1,552.38	68.08	23.803	
11,000.00	9,360.00	9,973.84	8,418.00	45.10	39.67	-54.546	52.78	2,407.33	1,620.46	1,550.14	70.31	23.046	
11,023.32	9,360.00	9,997.15	8,418.00	45.49	40.11	-54.546	52.85	2,430.65	1,620.46	1,549.45	71.00	22.822	
11,100.00	9,360.00	10,073.84	8,418.00	46.77	41.58	-54.546	53.07	2,507.33	1,620.46	1,547.18	73.28	22.113	
11,123.32	9,360.00	10,097.15	8,418.00	47.16	42.03	-54.546	53.14	2,530.64	1,620.46	1,546.48	73.98	21.904	
11,200.00	9,360.00	10,173.84	8,418.00	48.46	43.51	-54.546	53.37	2,607.33	1,620.46	1,544.16	76.29	21.240	
11,223.32	9,360.00	10,197.15	8,418.00	48.87	43.96	-54.546	53.44	2,630.64	1,620.46	1,543.45	77.00	21.044	
11,300.00	9,360.00	10,273.84	8,418.00	50.19	45.45	-54.546	53.67	2,707.33	1,620.46	1,541.11	79.34	20.423	
11,323.32	9,360.00	10,297.15	8,418.00	50.60	45.90	-54.546	53.74	2,730.64	1,620.46	1,540.39	80.06	20.240	
11,400.00	9,360.00	10,373.84	8,418.00	51.95	47.40	-54.546	53.97	2,807.33	1,620.46	1,538.03	82.43	19.658	
11,423.32	9,360.00	10,397.15	8,418.00	52.36	47.86	-54.546	54.04	2,830.64	1,620.46	1,537.30	83.16	19.487	
11,500.00	9,360.00	10,473.84	8,418.00	53.73	49.36	-54.546	54.27	2,907.33	1,620.46	1,534.91	85.55	18.942	
11,523.32	9,360.00	10,497.15	8,418.00	54.15	49.82	-54.546	54.34	2,930.64	1,620.46	1,534.17	86.28	18.781	
11,600.00	9,360.00	10,573.84	8,418.00	55.53	51.33	-54.546	54.57	3,007.33	1,620.46	1,531.76	88.70	18.269	
11,623.32	9,360.00	10,597.15	8,418.00	55.96	51.79	-54.546	54.64	3,030.64	1,620.46	1,531.02	89.44	18.119	
11,700.00	9,360.00	10,673.84	8,418.00	57.35	53.31	-54.546	54.86	3,107.32	1,620.46	1,528.59	91.87	17.639	
11,723.32	9,360.00	10,697.15	8,418.00	57.78	53.77	-54.546	54.93	3,130.64	1,620.46	1,527.84	92.61	17.497	
11,800.00	9,360.00	10,773.84	8,418.00	59.19	55.30	-54.546	55.16	3,207.32	1,620.46	1,525.39	95.07	17.046	
11,823.32	9,360.00	10,797.15	8,418.00	59.62	55.76	-54.546	55.23	3,230.64	1,620.46	1,524.64	95.82	16.912	
11,900.00	9,360.00	10,873.84	8,418.00	61.05	57.29	-54.546	55.46	3,307.32	1,620.46	1,522.17	98.28	16.488	
11,923.32	9,360.00	10,897.15	8,418.00	61.48	57.75	-54.546	55.53	3,330.64	1,620.46	1,521.42	99.04	16.362	
12,000.00	9,360.00	10,973.84	8,418.00	62.91	59.29	-54.546	55.76	3,407.32	1,620.46	1,518.94	101.52	15.962	
12,023.32	9,360.00	10,997.15	8,418.00	63.35	59.75	-54.546	55.83	3,430.64	1,620.46	1,518.18	102.28	15.844	
12,100.00	9,360.00	11,073.84	8,418.00	64.79	61.29	-54.546	56.06	3,507.32	1,620.46	1,515.69	104.77	15.467	
12,123.32	9,360.00	11,097.15	8,418.00	65.24	61.75	-54.546	56.13	3,530.64	1,620.46	1,514.93	105.53	15.355	
12,200.00	9,360.00	11,173.84	8,418.00	66.69	63.29	-54.546	56.35	3,607.32	1,620.46	1,512.42	108.04	14.999	
12,223.32	9,360.00	11,197.15	8,418.00	67.13	63.76	-54.546	56.42	3,630.64	1,620.46	1,511.65	108.80	14.893	
12,300.00	9,360.00	11,273.84	8,418.00	68.59	65.30	-54.546	56.65	3,707.32	1,620.46	1,509.14	111.32	14.557	
12,323.32	9,360.00	11,297.15	8,418.00	69.03	65.77	-54.546	56.72	3,730.64	1,620.46	1,508.37	112.09	14.457	
12,400.00	9,360.00	11,373.84	8,418.00	70.50	67.32	-54.546	56.95	3,807.32	1,620.46	1,505.84	114.62	14.138	
12,423.32	9,360.00	11,397.15	8,418.00	70.95	67.79	-54.546	57.02	3,830.64	1,620.46	1,505.07	115.39	14.044	
12,500.00	9,360.00	11,473.84	8,418.00	72.42	69.34	-54.546	57.25	3,907.32	1,620.46	1,502.54	117.92	13.742	
12,523.32	9,360.00	11,497.15	8,418.00	72.87	69.81	-54.546	57.32	3,930.64	1,620.46	1,501.76	118.70	13.652	
12,600.00	9,360.00	11,573.84	8,418.00	74.35	71.36	-54.546	57.55	4,007.32	1,620.46	1,499.22	121.24	13.366	
12,623.32	9,360.00	11,597.15	8,418.00	74.80	71.83	-54.546	57.62	4,030.64	1,620.46	1,498.44	122.02	13.281	
12,700.00	9,360.00	11,673.84	8,418.00	76.28	73.38	-54.546	57.85	4,107.32	1,620.46	1,495.89	124.57	13.009	
12,723.32	9,360.00	11,697.15	8,418.00	76.74	73.85	-54.546	57.92	4,130.64	1,620.46	1,495.11	125.35	12.928	
12,800.00	9,360.00	11,773.84	8,418.00	78.23	75.40	-54.546	58.14	4,207.32	1,620.46	1,492.55	127.90	12.669	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			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)		
12,823.32	9,360.00	11,797.15	8,418.00	78.68	75.88	-54.546	58.21	4,230.64	1,620.46	1,491.77	128.68	12.593	
12,900.00	9,360.00	11,873.84	8,418.00	80.17	77.43	-54.546	58.44	4,307.32	1,620.46	1,489.21	131.25	12.346	
12,923.32	9,360.00	11,897.15	8,418.00	80.63	77.90	-54.546	58.51	4,330.64	1,620.46	1,488.43	132.03	12.273	
13,000.00	9,360.00	11,973.84	8,418.00	82.13	79.46	-54.546	58.74	4,407.32	1,620.46	1,485.85	134.60	12.039	
13,023.32	9,360.00	11,997.15	8,418.00	82.59	79.93	-54.546	58.81	4,430.64	1,620.46	1,485.07	135.39	11.969	
13,100.00	9,360.00	12,073.84	8,418.00	84.09	81.49	-54.546	59.04	4,507.32	1,620.46	1,482.49	137.96	11.746	
13,123.32	9,360.00	12,097.15	8,418.00	84.55	81.97	-54.546	59.11	4,530.64	1,620.46	1,481.71	138.75	11.679	
13,200.00	9,360.00	12,173.84	8,418.00	86.05	83.53	-54.546	59.34	4,607.32	1,620.46	1,479.13	141.33	11.466	
13,223.32	9,360.00	12,197.16	8,418.00	86.51	84.00	-54.546	59.41	4,630.64	1,620.46	1,478.34	142.12	11.402	
13,300.00	9,360.00	12,273.84	8,418.00	88.02	85.56	-54.546	59.64	4,707.32	1,620.46	1,475.75	144.70	11.198	
13,323.32	9,360.00	12,297.16	8,418.00	88.49	86.04	-54.546	59.70	4,730.64	1,620.46	1,474.97	145.49	11.138	
13,400.00	9,360.00	12,373.84	8,418.00	90.00	87.60	-54.546	59.93	4,807.32	1,620.46	1,472.37	148.08	10.943	
13,423.32	9,360.00	12,397.16	8,418.00	90.46	88.07	-54.546	60.00	4,830.63	1,620.46	1,471.58	148.87	10.885	
13,500.00	9,360.00	12,473.84	8,418.00	91.98	89.64	-54.546	60.23	4,907.32	1,620.46	1,468.99	151.47	10.698	
13,523.32	9,360.00	12,497.16	8,418.00	92.44	90.11	-54.546	60.30	4,930.63	1,620.46	1,468.20	152.26	10.643	
13,600.00	9,360.00	12,573.84	8,418.00	93.96	91.68	-54.546	60.53	5,007.32	1,620.46	1,465.60	154.86	10.464	
13,623.32	9,360.00	12,597.16	8,418.00	94.42	92.15	-54.546	60.60	5,030.63	1,620.46	1,464.81	155.65	10.411	
13,700.00	9,360.00	12,673.84	8,418.00	95.95	93.72	-54.546	60.83	5,107.32	1,620.46	1,462.20	158.25	10.240	
13,723.32	9,360.00	12,697.16	8,418.00	96.41	94.19	-54.546	60.90	5,130.63	1,620.46	1,461.41	159.05	10.189	
13,800.00	9,360.00	12,773.84	8,418.00	97.94	95.76	-54.546	61.13	5,207.32	1,620.46	1,458.80	161.65	10.024	
13,823.32	9,360.00	12,797.16	8,418.00	98.40	96.24	-54.546	61.20	5,230.63	1,620.46	1,458.01	162.45	9.975	
13,900.00	9,360.00	12,873.84	8,418.00	99.93	97.80	-54.546	61.42	5,307.31	1,620.46	1,455.40	165.06	9.818	
13,923.32	9,360.00	12,897.16	8,418.00	100.39	98.28	-54.546	61.49	5,330.63	1,620.46	1,454.61	165.85	9.771	
14,000.00	9,360.00	12,973.84	8,418.00	101.92	99.85	-54.546	61.72	5,407.31	1,620.46	1,451.99	168.46	9.619	
14,023.32	9,360.00	12,997.16	8,418.00	102.39	100.33	-54.546	61.79	5,430.63	1,620.46	1,451.20	169.26	9.574	
14,100.00	9,360.00	13,073.84	8,418.00	103.92	101.90	-54.546	62.02	5,507.31	1,620.46	1,448.58	171.87	9.428	
14,123.32	9,360.00	13,097.16	8,418.00	104.39	102.37	-54.546	62.09	5,530.63	1,620.46	1,447.79	172.67	9.385	
14,200.00	9,360.00	13,173.84	8,418.00	105.92	103.94	-54.546	62.32	5,607.31	1,620.46	1,445.17	175.29	9.244	
14,223.32	9,360.00	13,197.16	8,418.00	106.39	104.42	-54.546	62.39	5,630.63	1,620.46	1,444.37	176.09	9.203	
14,300.00	9,360.00	13,273.84	8,418.00	107.93	105.99	-54.546	62.62	5,707.31	1,620.46	1,441.75	178.71	9.068	
14,323.32	9,360.00	13,297.16	8,418.00	108.40	106.47	-54.546	62.69	5,730.63	1,620.46	1,440.95	179.50	9.027	
14,400.00	9,360.00	13,373.84	8,418.00	109.93	108.04	-54.546	62.92	5,807.31	1,620.46	1,438.33	182.13	8.897	
14,423.32	9,360.00	13,397.16	8,418.00	110.40	108.52	-54.546	62.99	5,830.63	1,620.46	1,437.53	182.93	8.859	
14,500.00	9,360.00	13,473.84	8,418.00	111.94	110.09	-54.546	63.21	5,907.31	1,620.46	1,434.91	185.55	8.733	
14,523.32	9,360.00	13,497.16	8,418.00	112.41	110.56	-54.546	63.28	5,930.63	1,620.46	1,434.11	186.35	8.696	
14,600.00	9,360.00	13,573.84	8,418.00	113.95	112.14	-54.546	63.51	6,007.31	1,620.46	1,431.48	188.98	8.575	
14,623.32	9,360.00	13,597.16	8,418.00	114.42	112.61	-54.546	63.58	6,030.63	1,620.46	1,430.68	189.78	8.539	
14,700.00	9,360.00	13,673.84	8,418.00	115.97	114.19	-54.546	63.81	6,107.31	1,620.46	1,428.05	192.41	8.422	
14,723.32	9,360.00	13,697.16	8,418.00	116.43	114.67	-54.546	63.88	6,130.63	1,620.46	1,427.25	193.21	8.387	
14,800.00	9,360.00	13,773.84	8,418.00	117.98	116.24	-54.546	64.11	6,207.31	1,620.46	1,424.62	195.84	8.274	
14,823.32	9,360.00	13,797.16	8,418.00	118.45	116.72	-54.546	64.18	6,230.63	1,620.46	1,423.82	196.64	8.241	
14,900.00	9,360.00	13,873.84	8,418.00	120.00	118.29	-54.546	64.41	6,307.31	1,620.46	1,421.18	199.27	8.132	
14,923.32	9,360.00	13,897.16	8,418.00	120.47	118.77	-54.546	64.48	6,330.63	1,620.46	1,420.38	200.08	8.099	
15,000.00	9,360.00	13,973.84	8,418.00	122.01	120.34	-54.546	64.70	6,407.31	1,620.46	1,417.75	202.71	7.994	
15,023.32	9,360.00	13,997.16	8,418.00	122.49	120.82	-54.546	64.77	6,430.63	1,620.46	1,416.95	203.51	7.962	
15,100.00	9,360.00	14,073.84	8,418.00	124.03	122.40	-54.546	65.00	6,507.31	1,620.46	1,414.31	206.15	7.861	
15,123.32	9,360.00	14,097.16	8,418.00	124.51	122.87	-54.546	65.07	6,530.63	1,620.46	1,413.51	206.95	7.830	
15,200.00	9,360.00	14,173.84	8,418.00	126.06	124.45	-54.546	65.30	6,607.31	1,620.46	1,410.87	209.59	7.732	
15,223.32	9,360.00	14,197.16	8,418.00	126.53	124.93	-54.546	65.37	6,630.63	1,620.46	1,410.07	210.39	7.702	
15,300.00	9,360.00	14,273.84	8,418.00	128.08	126.50	-54.546	65.60	6,707.31	1,620.46	1,407.43	213.03	7.607	
15,323.32	9,360.00	14,297.16	8,418.00	128.55	126.98	-54.546	65.67	6,730.63	1,620.46	1,406.62	213.84	7.578	
15,400.00	9,360.00	14,373.84	8,418.00	130.10	128.56	-54.546	65.90	6,807.31	1,620.46	1,403.98	216.48	7.486	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				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	
15,423.32	9,360.00	14,397.16	8,418.00	130.58	129.04	-54.546	65.97	6,830.63	1,620.46	1,403.18	217.28	7.458	
15,500.00	9,360.00	14,473.84	8,418.00	132.13	130.61	-54.546	66.20	6,907.31	1,620.46	1,400.54	219.92	7.368	
15,523.32	9,360.00	14,497.16	8,418.00	132.60	131.09	-54.546	66.27	6,930.63	1,620.46	1,399.73	220.73	7.341	
15,600.00	9,360.00	14,573.84	8,418.00	134.16	132.67	-54.546	66.49	7,007.31	1,620.46	1,397.09	223.37	7.255	
15,623.32	9,360.00	14,597.16	8,418.00	134.63	133.15	-54.546	66.56	7,030.62	1,620.46	1,396.28	224.17	7.229	
15,700.00	9,360.00	14,673.84	8,418.00	136.18	134.72	-54.546	66.79	7,107.31	1,620.46	1,393.64	226.82	7.144	
15,723.32	9,360.00	14,697.16	8,418.00	136.66	135.20	-54.546	66.86	7,130.62	1,620.46	1,392.83	227.62	7.119	
15,800.00	9,360.00	14,773.84	8,418.00	138.21	136.78	-54.546	67.09	7,207.31	1,620.46	1,390.19	230.27	7.037	
15,823.32	9,360.00	14,797.16	8,418.00	138.69	137.26	-54.546	67.16	7,230.62	1,620.46	1,389.38	231.08	7.013	
15,900.00	9,360.00	14,873.84	8,418.00	140.24	138.84	-54.546	67.39	7,307.31	1,620.46	1,386.74	233.72	6.933	
15,923.32	9,360.00	14,897.16	8,418.00	140.72	139.32	-54.546	67.46	7,330.62	1,620.46	1,385.93	234.53	6.909	
16,000.00	9,360.00	14,973.84	8,418.00	142.28	140.89	-54.546	67.69	7,407.31	1,620.46	1,383.28	237.18	6.832	
16,023.32	9,360.00	14,997.16	8,418.00	142.75	141.37	-54.546	67.76	7,430.62	1,620.46	1,382.48	237.98	6.809	
16,100.00	9,360.00	15,073.84	8,418.00	144.31	142.95	-54.546	67.99	7,507.31	1,620.46	1,379.83	240.63	6.734	
16,123.32	9,360.00	15,097.16	8,418.00	144.78	143.43	-54.546	68.05	7,530.62	1,620.46	1,379.02	241.44	6.712	
16,200.00	9,360.00	15,173.84	8,418.00	146.34	145.01	-54.546	68.28	7,607.30	1,620.46	1,376.37	244.09	6.639	
16,223.32	9,360.00	15,197.16	8,418.00	146.82	145.49	-54.546	68.35	7,630.62	1,620.46	1,375.56	244.89	6.617	
16,300.00	9,360.00	15,273.84	8,418.00	148.38	147.07	-54.546	68.58	7,707.30	1,620.46	1,372.91	247.54	6.546	
16,323.32	9,360.00	15,297.16	8,418.00	148.85	147.55	-54.546	68.65	7,730.62	1,620.46	1,372.11	248.35	6.525	
16,400.00	9,360.00	15,373.84	8,418.00	150.41	149.13	-54.546	68.88	7,807.30	1,620.46	1,369.46	251.00	6.456	
16,423.32	9,360.00	15,397.16	8,418.00	150.89	149.61	-54.546	68.95	7,830.62	1,620.46	1,368.65	251.81	6.435	
16,500.00	9,360.00	15,473.84	8,418.00	152.45	151.19	-54.546	69.18	7,907.30	1,620.46	1,366.00	254.46	6.368	
16,523.32	9,360.00	15,497.16	8,418.00	152.93	151.67	-54.546	69.25	7,930.62	1,620.46	1,365.19	255.27	6.348	
16,600.00	9,360.00	15,573.84	8,418.00	154.49	153.24	-54.546	69.48	8,007.30	1,620.46	1,362.53	257.92	6.283	
16,623.32	9,360.00	15,597.16	8,418.00	154.96	153.72	-54.546	69.55	8,030.62	1,620.46	1,361.73	258.73	6.263	
16,700.00	9,360.00	15,673.84	8,418.00	156.53	155.30	-54.546	69.77	8,107.30	1,620.46	1,359.07	261.39	6.200	
16,723.32	9,360.00	15,697.16	8,418.00	157.00	155.78	-54.546	69.84	8,130.62	1,620.46	1,358.27	262.19	6.180	
16,800.00	9,360.00	15,773.84	8,418.00	158.57	157.36	-54.546	70.07	8,207.30	1,620.46	1,355.61	264.85	6.118	
16,823.32	9,360.00	15,797.16	8,418.00	159.04	157.84	-54.546	70.14	8,230.62	1,620.46	1,354.80	265.66	6.100	
16,900.00	9,360.00	15,873.84	8,418.00	160.61	159.42	-54.546	70.37	8,307.30	1,620.46	1,352.15	268.31	6.039	
16,923.32	9,360.00	15,897.16	8,418.00	161.08	159.90	-54.546	70.44	8,330.62	1,620.46	1,351.34	269.12	6.021	
17,000.00	9,360.00	15,973.84	8,418.00	162.65	161.48	-54.546	70.67	8,407.30	1,620.46	1,348.68	271.78	5.962	
17,023.32	9,360.00	15,997.16	8,418.00	163.12	161.96	-54.546	70.74	8,430.62	1,620.46	1,347.87	272.58	5.945	
17,100.00	9,360.00	16,073.84	8,418.00	164.69	163.54	-54.546	70.97	8,507.30	1,620.46	1,345.22	275.24	5.887	
17,123.32	9,360.00	16,097.16	8,418.00	165.16	164.02	-54.546	71.04	8,530.62	1,620.46	1,344.41	276.05	5.870	
17,200.00	9,360.00	16,173.84	8,418.00	166.73	165.60	-54.546	71.27	8,607.30	1,620.46	1,341.75	278.71	5.814	
17,223.32	9,360.00	16,197.16	8,418.00	167.21	166.09	-54.546	71.33	8,630.62	1,620.46	1,340.94	279.52	5.797	
17,300.00	9,360.00	16,273.84	8,418.00	168.77	167.67	-54.546	71.56	8,707.30	1,620.46	1,338.28	282.18	5.743	
17,323.32	9,360.00	16,297.16	8,418.00	169.25	168.15	-54.546	71.63	8,730.62	1,620.46	1,337.47	282.98	5.726	
17,400.00	9,360.00	16,373.84	8,418.00	170.82	169.73	-54.546	71.86	8,807.30	1,620.46	1,334.82	285.64	5.673	
17,423.32	9,360.00	16,397.16	8,418.00	171.29	170.21	-54.546	71.93	8,830.62	1,620.46	1,334.01	286.45	5.657	
17,500.00	9,360.00	16,473.84	8,418.00	172.86	171.79	-54.546	72.16	8,907.30	1,620.46	1,331.35	289.11	5.605	
17,523.32	9,360.00	16,497.16	8,418.00	173.34	172.27	-54.546	72.23	8,930.62	1,620.46	1,330.54	289.92	5.589	
17,600.00	9,360.00	16,573.84	8,418.00	174.90	173.85	-54.546	72.46	9,007.30	1,620.46	1,327.88	292.58	5.538	
17,623.32	9,360.00	16,597.16	8,418.00	175.38	174.33	-54.546	72.53	9,030.62	1,620.46	1,327.07	293.39	5.523	
17,700.00	9,360.00	16,673.84	8,418.00	176.95	175.91	-54.546	72.76	9,107.30	1,620.46	1,324.41	296.05	5.474	
17,723.32	9,360.00	16,697.16	8,418.00	177.43	176.39	-54.546	72.83	9,130.62	1,620.46	1,323.60	296.86	5.459	
17,800.00	9,360.00	16,773.84	8,418.00	178.99	177.97	-54.546	73.05	9,207.30	1,620.46	1,320.94	299.52	5.410	
17,823.32	9,360.00	16,797.16	8,418.00	179.47	178.45	-54.546	73.12	9,230.62	1,620.46	1,320.13	300.33	5.396	
17,900.00	9,360.00	16,873.84	8,418.00	181.04	180.04	-54.546	73.35	9,307.30	1,620.46	1,317.47	302.99	5.348	
17,923.32	9,360.00	16,897.16	8,418.00	181.52	180.52	-54.546	73.42	9,330.61	1,620.46	1,316.66	303.80	5.334	
18,000.00	9,360.00	16,973.84	8,418.00	183.09	182.10	-54.546	73.65	9,407.30	1,620.46	1,313.99	306.47	5.288	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	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		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Separation Factor	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)		
18,023.32	9,360.00	16,997.16	8,418.00	183.57	182.58	-54.546	73.72	9,430.61	1,620.46	1,313.18	307.28	5.274	
18,100.00	9,360.00	17,073.84	8,418.00	185.14	184.16	-54.546	73.95	9,507.30	1,620.46	1,310.52	309.94	5.228	
18,123.32	9,360.00	17,097.16	8,418.00	185.61	184.64	-54.546	74.02	9,530.61	1,620.46	1,309.71	310.75	5.215	
18,200.00	9,360.00	17,173.84	8,418.00	187.18	186.22	-54.546	74.25	9,607.30	1,620.46	1,307.05	313.41	5.170	
18,223.32	9,360.00	17,197.16	8,418.00	187.66	186.70	-54.546	74.32	9,630.61	1,620.46	1,306.24	314.22	5.157	
18,300.00	9,360.00	17,273.84	8,418.00	189.23	188.28	-54.546	74.55	9,707.30	1,620.46	1,303.57	316.89	5.114	
18,323.32	9,360.00	17,297.16	8,418.00	189.71	188.77	-54.546	74.62	9,730.61	1,620.46	1,302.76	317.70	5.101	
18,400.00	9,360.00	17,373.84	8,418.00	191.28	190.35	-54.546	74.84	9,807.30	1,620.46	1,300.10	320.36	5.058	
18,423.32	9,360.00	17,397.16	8,418.00	191.76	190.83	-54.546	74.91	9,830.61	1,620.46	1,299.29	321.17	5.045	
18,500.00	9,360.00	17,473.84	8,418.00	193.33	192.41	-54.546	75.14	9,907.29	1,620.46	1,296.62	323.83	5.004	
18,523.32	9,360.00	17,497.16	8,418.00	193.81	192.89	-54.546	75.21	9,930.61	1,620.46	1,295.81	324.64	4.991	
18,600.00	9,360.00	17,573.84	8,418.00	195.38	194.47	-54.546	75.44	10,007.29	1,620.46	1,293.15	327.31	4.951	
18,623.32	9,360.00	17,597.16	8,418.00	195.86	194.96	-54.546	75.51	10,030.61	1,620.46	1,292.34	328.12	4.939	
18,700.00	9,360.00	17,673.84	8,418.00	197.43	196.54	-54.546	75.74	10,107.29	1,620.46	1,289.67	330.79	4.899	
18,723.32	9,360.00	17,697.16	8,418.00	197.91	197.02	-54.546	75.81	10,130.61	1,620.46	1,288.86	331.60	4.887	
18,800.00	9,360.00	17,773.84	8,418.00	199.48	198.60	-54.546	76.04	10,207.29	1,620.46	1,286.20	334.26	4.848	
18,823.32	9,360.00	17,797.16	8,418.00	199.96	199.08	-54.546	76.11	10,230.61	1,620.46	1,285.39	335.07	4.836	
18,900.00	9,360.00	17,873.84	8,418.00	201.53	200.66	-54.546	76.33	10,307.29	1,620.46	1,282.72	337.74	4.798	
18,923.32	9,360.00	17,897.16	8,418.00	202.01	201.15	-54.546	76.40	10,330.61	1,620.46	1,281.91	338.55	4.786	
19,000.00	9,360.00	17,973.84	8,418.00	203.58	202.73	-54.546	76.63	10,407.29	1,620.46	1,279.24	341.22	4.749	
19,023.32	9,360.00	17,997.16	8,418.00	204.06	203.21	-54.546	76.70	10,430.61	1,620.46	1,278.43	342.03	4.738	
19,100.00	9,360.00	18,073.84	8,418.00	205.63	204.79	-54.546	76.93	10,507.29	1,620.46	1,275.76	344.69	4.701	
19,123.32	9,360.00	18,097.16	8,418.00	206.11	205.27	-54.546	77.00	10,530.61	1,620.46	1,274.95	345.51	4.690	
19,200.00	9,360.00	18,173.84	8,418.00	207.68	206.86	-54.546	77.23	10,607.29	1,620.46	1,272.29	348.17	4.654	
19,223.32	9,360.00	18,197.16	8,418.00	208.16	207.34	-54.546	77.30	10,630.61	1,620.46	1,271.48	348.98	4.643	
19,300.00	9,360.00	18,273.84	8,418.00	209.74	208.92	-54.546	77.53	10,707.29	1,620.46	1,268.81	351.65	4.608	
19,323.32	9,360.00	18,297.16	8,418.00	210.21	209.40	-54.546	77.60	10,730.61	1,620.46	1,268.00	352.46	4.598	
19,400.00	9,360.00	18,373.84	8,418.00	211.79	210.98	-54.546	77.83	10,807.29	1,620.46	1,265.33	355.13	4.563	
19,423.32	9,360.00	18,397.16	8,418.00	212.27	211.47	-54.546	77.90	10,830.61	1,620.46	1,264.52	355.94	4.553	
19,500.00	9,360.00	18,473.84	8,418.00	213.84	213.05	-54.546	78.12	10,907.29	1,620.46	1,261.85	358.61	4.519	
19,523.32	9,360.00	18,497.16	8,418.00	214.32	213.53	-54.546	78.19	10,930.61	1,620.46	1,261.04	359.42	4.509	
19,600.00	9,360.00	18,573.84	8,418.00	215.89	215.11	-54.546	78.42	11,007.29	1,620.46	1,258.37	362.09	4.475	
19,623.32	9,360.00	18,597.16	8,418.00	216.37	215.59	-54.546	78.49	11,030.61	1,620.46	1,257.56	362.90	4.465	
19,700.00	9,360.00	18,673.84	8,418.00	217.95	217.18	-54.546	78.72	11,107.29	1,620.46	1,254.89	365.57	4.433	
19,723.32	9,360.00	18,697.16	8,418.00	218.43	217.66	-54.546	78.79	11,130.61	1,620.46	1,254.08	366.38	4.423	
19,800.00	9,360.00	18,773.84	8,418.00	220.00	219.24	-54.546	79.02	11,207.29	1,620.46	1,251.41	369.05	4.391	
19,823.32	9,360.00	18,797.16	8,418.00	220.48	219.72	-54.546	79.09	11,230.61	1,620.46	1,250.60	369.86	4.381	
19,900.00	9,360.00	18,873.84	8,418.00	222.06	221.31	-54.546	79.32	11,307.29	1,620.46	1,247.93	372.53	4.350	
19,923.32	9,360.00	18,897.16	8,418.00	222.54	221.79	-54.546	79.39	11,330.61	1,620.46	1,247.12	373.34	4.340	
20,000.00	9,360.00	18,973.84	8,418.00	224.11	223.37	-54.546	79.62	11,407.29	1,620.46	1,244.45	376.01	4.310	
20,023.32	9,360.00	18,997.16	8,418.00	224.59	223.85	-54.546	79.68	11,430.61	1,620.46	1,243.64	376.82	4.300	
20,100.00	9,360.00	19,073.84	8,418.00	226.17	225.44	-54.546	79.91	11,507.29	1,620.46	1,240.97	379.49	4.270	
20,123.32	9,360.00	19,097.16	8,418.00	226.64	225.92	-54.546	79.98	11,530.61	1,620.46	1,240.15	380.31	4.261	
20,200.00	9,360.00	19,173.84	8,418.00	228.22	227.50	-54.546	80.21	11,607.29	1,620.46	1,237.48	382.98	4.231	
20,223.32	9,360.00	19,197.16	8,418.00	228.70	227.98	-54.546	80.28	11,630.61	1,620.46	1,236.67	383.79	4.222	
20,300.00	9,360.00	19,273.84	8,418.00	230.28	229.57	-54.546	80.51	11,707.29	1,620.46	1,234.00	386.46	4.193	
20,306.37	9,360.00	19,280.21	8,418.00	230.41	229.70	-54.546	80.53	11,713.66	1,620.46	1,233.78	386.68	4.191	
20,327.35	9,360.00	19,296.39	8,418.00	230.84	230.03	-54.546	80.58	11,729.84	1,620.47	1,233.18	387.29	4.184	

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3717.10usft

Offset Depths are relative to Offset Datum

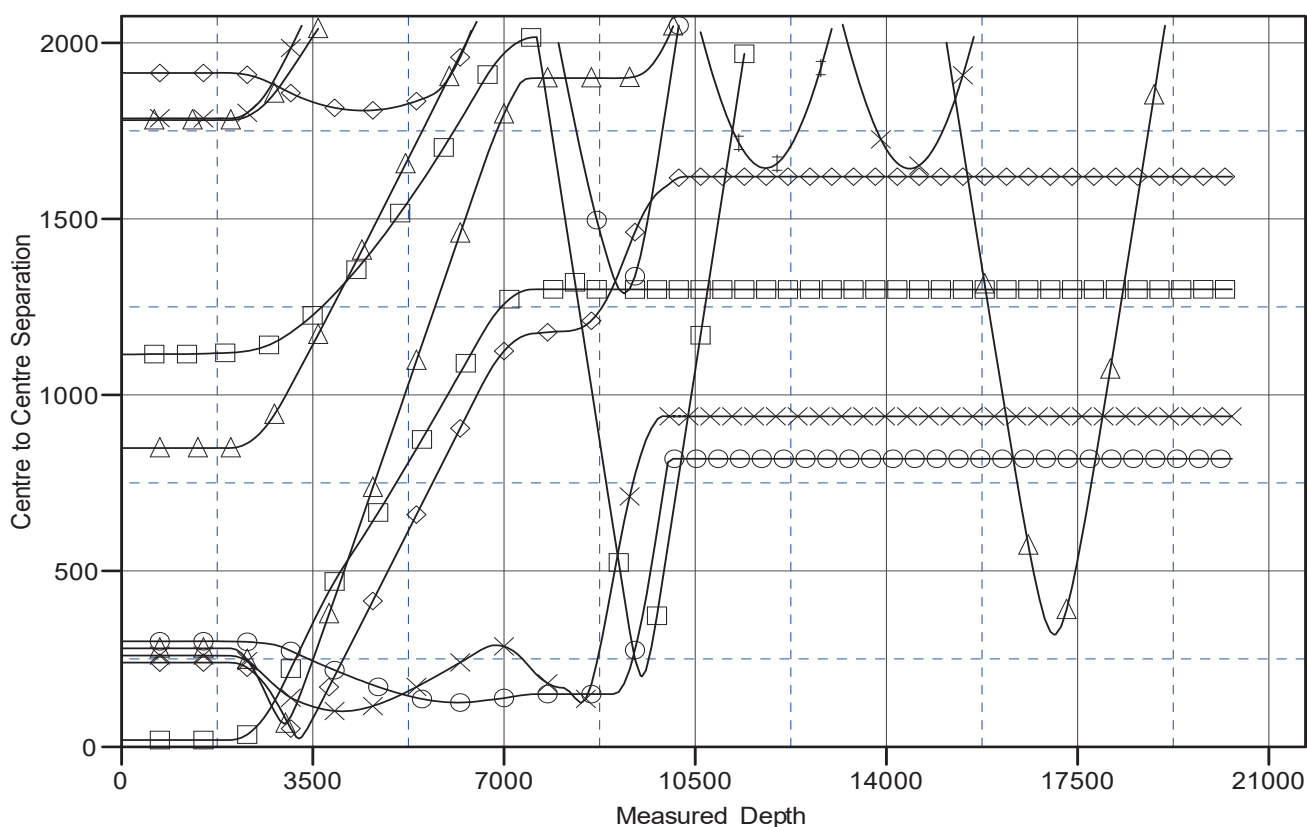
Central Meridian is -104.33333334

Coordinates are relative to: (02) Bond 33-34 FED COM 211H

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

Grid Convergence at Surface is: 0.297°

Ladder Plot



LEGEND

(01) Bond 33-34 FED COM 207H, 207H, Plan 2 V0
(W17) MAXSTATE 001, 26754, (Inc Only) V0
(W16) LEARSTATE SWD 003, 29703, (Inc Only) V0
(W21) VANDIVER FEDERAL 001, 26352, (Inc Only) V0
(W12) HULSTER 005, 39572, (Inc Only) V0

(W07) GULF MCKAY FEDERAL 001, 25471, (Inc Only) V0
(W02) LEARSTATE 001H, 38865, (Gyro/MWD) V0
(W25) PATTERSON 33 FEDERAL 001, 33411, (Depth Only) V0
(W03) LEARSTATE 002H, 38866, (Gyro/MWD) V0
(W06) GULF FEDERAL COM 001, 22637, (Inc Only) V0

(01) Bond 33-34 FED COM #308H, #308H, Plan 1 V0
(04) Bond 33-34 FED COM #104H, #104H, Plan 1 V0
(03) Bond 33-34 FED COM #106H, #106H, Plan 1 V0
(02) Bond 33-34 FED COM #304H, #304H, Plan 1 V0

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 (02) Bond 33-34 FED COM 211H
Project:	Lea County, NM (N83 - NME)	TVD Reference:	RKB - 30.5 @ 3717.10usft
Reference Site:	Bond South Pad - Phase 1	MD Reference:	RKB - 30.5 @ 3717.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	211H	Database:	EDM 5000.1 Dixon Directional
Reference Design:	Plan 2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB - 30.5 @ 3717.10usft

Offset Depths are relative to Offset Datum

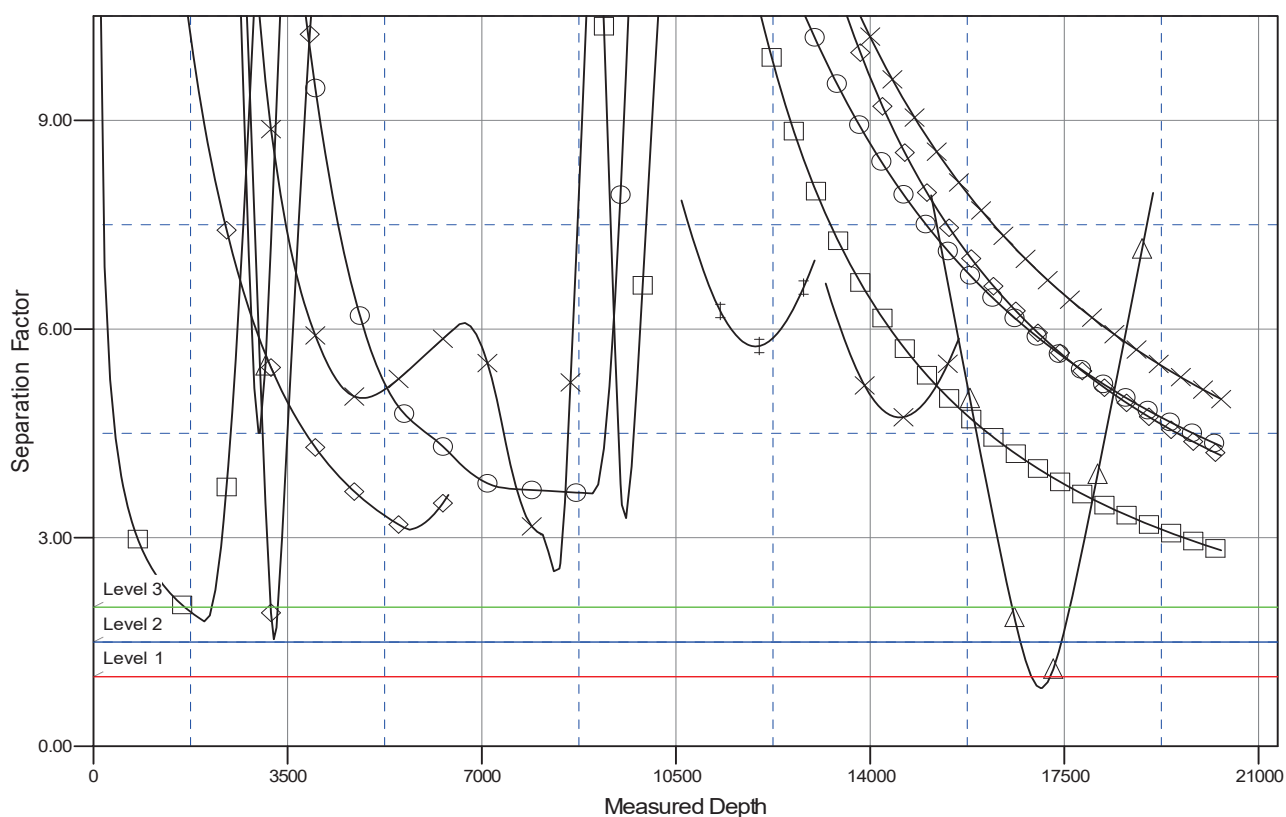
Central Meridian is -104.33333334

Coordinates are relative to: (02) Bond 33-34 FED COM 211H

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

Grid Convergence at Surface is: 0.297°

Separation Factor Plot



LEGEND

(01) Bond 33-34 FED COM 207H, 207H, Plan 2 V0
(W17) MAXSTATE 001, 26754, (Inc Only) V0
(W16) LEARSTATE SWD 003, 29703, (Inc Only) V0
(W21) VANDIVER FEDERAL 001, 26352, (Inc Only) V0
(W12) HUNSTER 005, 39572, (Inc Only) V0

(W07) GULF MCKAY FEDERAL 001, 25471, (Inc Only) V0
(W02) LEARSTATE 001H, 38865, (Gyro/MWD) V0
(W25) PATTERSON 33 FEDERAL 001, 33411, (Depth Only) V0
(W03) LEARSTATE 002H, 38866, (Gyro/MWD) V0
(W06) GULF FEDERAL COM 001, 25637, (Inc Only) V0

(01) Bond 33-34 FED COM #308H, #308H, Plan 1 V0
(04) Bond 33-34 FED COM #104H, #104H, Plan 1 V0
(03) Bond 33-34 FED COM #106H, #106H, Plan 1 V0
(02) Bond 33-34 FED COM #304H, #304H, Plan 1 V0

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
(02) Bond 33-34 FED COM 211H
TBD
211H**

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 (02) Bond 33-34 FED COM 211H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3717.10usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3717.10usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Wellbore:	211H		
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		(02) Bond 33-34 FED COM 211H				
Well Position	+N/-S	0.00 usft	Northing:	619,253.88 usft	Latitude:	32.70116732
	+E/-W	0.00 usft	Easting:	710,363.38 usft	Longitude:	-103.78384838
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,686.60 usft
Grid Convergence:	0.297 °					

Wellbore	211H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	12/3/2025	6.348	60.140	47,225.62882414

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	20,327.35 Plan 2 (211H)	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	0.000	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
2,937.53	18.75	149.40	2,920.89	-130.87	77.41	2.00	2.00	0.00	149.396	
6,589.59	18.75	149.40	6,379.11	-1,141.30	675.07	0.00	0.00	0.00	0.000	
7,527.12	0.00	89.83	7,300.00	-1,272.16	752.47	2.00	-2.00	0.00	180.000	
9,014.16	0.00	89.83	8,787.04	-1,272.16	752.47	0.00	0.00	0.00	0.000	
9,914.16	90.00	89.83	9,360.00	-1,270.45	1,325.43	10.00	10.00	0.00	0.000	FTP/PP - v1 - (02) Bo
20,327.35	90.00	89.83	9,360.00	-1,239.40	11,738.57	0.00	0.00	0.00	0.000	PBHL - v1 - (02) Bonc



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3717.10usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3717.10usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Wellbore:	211H		
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
Start Build 2.00									
2,100.00	2.00	149.40	2,099.98	-1.50	0.89	0.88	2.00	2.00	0.00
2,200.00	4.00	149.40	2,199.84	-6.01	3.55	3.53	2.00	2.00	0.00
2,300.00	6.00	149.40	2,299.45	-13.51	7.99	7.95	2.00	2.00	0.00
2,400.00	8.00	149.40	2,398.70	-24.00	14.19	14.12	2.00	2.00	0.00
2,500.00	10.00	149.40	2,497.47	-37.46	22.16	22.05	2.00	2.00	0.00
2,600.00	12.00	149.40	2,595.62	-53.88	31.87	31.71	2.00	2.00	0.00
2,700.00	14.00	149.40	2,693.06	-73.24	43.32	43.11	2.00	2.00	0.00
2,800.00	16.00	149.40	2,789.64	-95.52	56.50	56.21	2.00	2.00	0.00
2,900.00	18.00	149.40	2,885.27	-120.68	71.38	71.02	2.00	2.00	0.00
2,937.54	18.75	149.40	2,920.89	-130.87	77.41	77.02	2.00	2.00	0.00
Start 3652.04 hold at 2937.54 MD									
3,000.00	18.75	149.40	2,980.04	-148.15	87.63	87.19	0.00	0.00	0.00
3,100.00	18.75	149.40	3,074.73	-175.82	103.99	103.47	0.00	0.00	0.00
3,200.00	18.75	149.40	3,169.42	-203.48	120.36	119.75	0.00	0.00	0.00
3,300.00	18.75	149.40	3,264.12	-231.15	136.72	136.04	0.00	0.00	0.00
3,400.00	18.75	149.40	3,358.81	-258.82	153.09	152.32	0.00	0.00	0.00
3,500.00	18.75	149.40	3,453.50	-286.49	169.45	168.60	0.00	0.00	0.00
3,600.00	18.75	149.40	3,548.20	-314.15	185.82	184.89	0.00	0.00	0.00
3,700.00	18.75	149.40	3,642.89	-341.82	202.18	201.17	0.00	0.00	0.00
3,800.00	18.75	149.40	3,737.58	-369.49	218.55	217.45	0.00	0.00	0.00
3,900.00	18.75	149.40	3,832.27	-397.16	234.91	233.74	0.00	0.00	0.00
4,000.00	18.75	149.40	3,926.97	-424.82	251.28	250.02	0.00	0.00	0.00
4,100.00	18.75	149.40	4,021.66	-452.49	267.65	266.30	0.00	0.00	0.00
4,200.00	18.75	149.40	4,116.35	-480.16	284.01	282.58	0.00	0.00	0.00
4,300.00	18.75	149.40	4,211.04	-507.83	300.38	298.87	0.00	0.00	0.00
4,400.00	18.75	149.40	4,305.74	-535.49	316.74	315.15	0.00	0.00	0.00
4,500.00	18.75	149.40	4,400.43	-563.16	333.11	331.43	0.00	0.00	0.00
4,600.00	18.75	149.40	4,495.12	-590.83	349.47	347.72	0.00	0.00	0.00
4,700.00	18.75	149.40	4,589.81	-618.50	365.84	364.00	0.00	0.00	0.00
4,800.00	18.75	149.40	4,684.51	-646.16	382.20	380.28	0.00	0.00	0.00
4,900.00	18.75	149.40	4,779.20	-673.83	398.57	396.56	0.00	0.00	0.00

Dixon Directional
Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3717.10usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3717.10usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Wellbore:	211H		
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	18.75	149.40	4,873.89	-701.50	414.93	412.85	0.00	0.00	0.00
5,100.00	18.75	149.40	4,968.58	-729.17	431.30	429.13	0.00	0.00	0.00
5,200.00	18.75	149.40	5,063.28	-756.83	447.66	445.41	0.00	0.00	0.00
5,300.00	18.75	149.40	5,157.97	-784.50	464.03	461.70	0.00	0.00	0.00
5,400.00	18.75	149.40	5,252.66	-812.17	480.39	477.98	0.00	0.00	0.00
5,500.00	18.75	149.40	5,347.36	-839.84	496.76	494.26	0.00	0.00	0.00
5,600.00	18.75	149.40	5,442.05	-867.50	513.12	510.55	0.00	0.00	0.00
5,700.00	18.75	149.40	5,536.74	-895.17	529.49	526.83	0.00	0.00	0.00
5,800.00	18.75	149.40	5,631.43	-922.84	545.85	543.11	0.00	0.00	0.00
5,900.00	18.75	149.40	5,726.13	-950.50	562.22	559.39	0.00	0.00	0.00
6,000.00	18.75	149.40	5,820.82	-978.17	578.58	575.68	0.00	0.00	0.00
6,100.00	18.75	149.40	5,915.51	-1,005.84	594.95	591.96	0.00	0.00	0.00
6,200.00	18.75	149.40	6,010.20	-1,033.51	611.31	608.24	0.00	0.00	0.00
6,300.00	18.75	149.40	6,104.90	-1,061.17	627.68	624.53	0.00	0.00	0.00
6,400.00	18.75	149.40	6,199.59	-1,088.84	644.04	640.81	0.00	0.00	0.00
6,500.00	18.75	149.40	6,294.28	-1,116.51	660.41	657.09	0.00	0.00	0.00
6,589.58	18.75	149.40	6,379.11	-1,141.29	675.07	671.68	0.00	0.00	0.00
Start Drop -2.00									
6,600.00	18.54	149.40	6,388.98	-1,144.16	676.76	673.37	2.00	-2.00	0.00
6,700.00	16.54	149.40	6,484.32	-1,170.10	692.11	688.63	2.00	-2.00	0.00
6,800.00	14.54	149.40	6,580.66	-1,193.16	705.75	702.21	2.00	-2.00	0.00
6,900.00	12.54	149.40	6,677.88	-1,213.32	717.67	714.07	2.00	-2.00	0.00
7,000.00	10.54	149.40	6,775.85	-1,230.54	727.86	724.20	2.00	-2.00	0.00
7,100.00	8.54	149.40	6,874.46	-1,244.81	736.29	732.60	2.00	-2.00	0.00
7,200.00	6.54	149.40	6,973.59	-1,256.10	742.98	739.25	2.00	-2.00	0.00
7,300.00	4.54	149.40	7,073.12	-1,264.42	747.89	744.14	2.00	-2.00	0.00
7,400.00	2.54	149.40	7,172.92	-1,269.73	751.04	747.27	2.00	-2.00	0.00
7,500.00	0.54	149.40	7,272.88	-1,272.05	752.41	748.63	2.00	-2.00	0.00
7,527.12	0.00	89.83	7,300.00	-1,272.16	752.47	748.70	2.00	-2.00	0.00
Start 1487.04 hold at 7527.12 MD									
7,600.00	0.00	0.00	7,372.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
7,700.00	0.00	0.00	7,472.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
7,800.00	0.00	0.00	7,572.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
7,900.00	0.00	0.00	7,672.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,000.00	0.00	0.00	7,772.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,100.00	0.00	0.00	7,872.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,200.00	0.00	0.00	7,972.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,300.00	0.00	0.00	8,072.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,400.00	0.00	0.00	8,172.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,500.00	0.00	0.00	8,272.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,600.00	0.00	0.00	8,372.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,700.00	0.00	0.00	8,472.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,800.00	0.00	0.00	8,572.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
8,900.00	0.00	0.00	8,672.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
9,000.00	0.00	0.00	8,772.88	-1,272.16	752.47	748.70	0.00	0.00	0.00
9,014.16	0.00	0.00	8,787.04	-1,272.16	752.47	748.70	0.00	0.00	0.00
Start Build 10.00									
9,050.00	3.58	89.83	8,822.86	-1,272.16	753.60	749.82	10.00	10.00	0.00
9,100.00	8.58	89.83	8,872.56	-1,272.14	758.89	755.11	10.00	10.00	0.00
9,150.00	13.58	89.83	8,921.61	-1,272.11	768.50	764.72	10.00	10.00	0.00
9,200.00	18.58	89.83	8,969.64	-1,272.07	782.35	778.57	10.00	10.00	0.00
9,250.00	23.58	89.83	9,016.28	-1,272.02	800.33	796.55	10.00	10.00	0.00
9,300.00	28.58	89.83	9,061.17	-1,271.95	822.31	818.53	10.00	10.00	0.00

Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3717.10usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3717.10usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Wellbore:	211H		
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	33.58	89.83	9,103.98	-1,271.88	848.11	844.34	10.00	10.00	0.00
9,400.00	38.58	89.83	9,144.37	-1,271.79	877.55	873.78	10.00	10.00	0.00
9,450.00	43.58	89.83	9,182.05	-1,271.69	910.40	906.62	10.00	10.00	0.00
9,500.00	48.58	89.83	9,216.72	-1,271.58	946.41	942.63	10.00	10.00	0.00
9,550.00	53.58	89.83	9,248.12	-1,271.47	985.30	981.52	10.00	10.00	0.00
9,600.00	58.58	89.83	9,276.01	-1,271.34	1,026.78	1,023.00	10.00	10.00	0.00
9,650.00	63.58	89.83	9,300.18	-1,271.21	1,070.53	1,066.75	10.00	10.00	0.00
9,700.00	68.58	89.83	9,320.44	-1,271.08	1,116.22	1,112.45	10.00	10.00	0.00
9,750.00	73.58	89.83	9,336.64	-1,270.94	1,163.51	1,159.73	10.00	10.00	0.00
9,800.00	78.58	89.83	9,348.66	-1,270.79	1,212.02	1,208.25	10.00	10.00	0.00
9,850.00	83.58	89.83	9,356.41	-1,270.64	1,261.40	1,257.63	10.00	10.00	0.00
9,900.00	88.58	89.83	9,359.83	-1,270.50	1,311.27	1,307.50	10.00	10.00	0.00
9,914.16	90.00	89.83	9,360.00	-1,270.45	1,325.43	1,321.66	10.00	10.00	0.00
Start 10413.19 hold at 9914.16 MD									
10,000.00	90.00	89.83	9,360.00	-1,270.20	1,411.27	1,407.49	0.00	0.00	0.00
10,100.00	90.00	89.83	9,360.00	-1,269.90	1,511.27	1,507.49	0.00	0.00	0.00
10,200.00	90.00	89.83	9,360.00	-1,269.60	1,611.27	1,607.49	0.00	0.00	0.00
10,300.00	90.00	89.83	9,360.00	-1,269.30	1,711.27	1,707.49	0.00	0.00	0.00
10,400.00	90.00	89.83	9,360.00	-1,269.00	1,811.27	1,807.49	0.00	0.00	0.00
10,500.00	90.00	89.83	9,360.00	-1,268.71	1,911.27	1,907.49	0.00	0.00	0.00
10,600.00	90.00	89.83	9,360.00	-1,268.41	2,011.27	2,007.49	0.00	0.00	0.00
10,700.00	90.00	89.83	9,360.00	-1,268.11	2,111.27	2,107.49	0.00	0.00	0.00
10,800.00	90.00	89.83	9,360.00	-1,267.81	2,211.27	2,207.49	0.00	0.00	0.00
10,900.00	90.00	89.83	9,360.00	-1,267.51	2,311.26	2,307.49	0.00	0.00	0.00
11,000.00	90.00	89.83	9,360.00	-1,267.22	2,411.26	2,407.49	0.00	0.00	0.00
11,100.00	90.00	89.83	9,360.00	-1,266.92	2,511.26	2,507.49	0.00	0.00	0.00
11,200.00	90.00	89.83	9,360.00	-1,266.62	2,611.26	2,607.49	0.00	0.00	0.00
11,300.00	90.00	89.83	9,360.00	-1,266.32	2,711.26	2,707.49	0.00	0.00	0.00
11,400.00	90.00	89.83	9,360.00	-1,266.02	2,811.26	2,807.49	0.00	0.00	0.00
11,500.00	90.00	89.83	9,360.00	-1,265.72	2,911.26	2,907.49	0.00	0.00	0.00
11,600.00	90.00	89.83	9,360.00	-1,265.43	3,011.26	3,007.49	0.00	0.00	0.00
11,700.00	90.00	89.83	9,360.00	-1,265.13	3,111.26	3,107.49	0.00	0.00	0.00
11,800.00	90.00	89.83	9,360.00	-1,264.83	3,211.26	3,207.49	0.00	0.00	0.00
11,900.00	90.00	89.83	9,360.00	-1,264.53	3,311.26	3,307.49	0.00	0.00	0.00
12,000.00	90.00	89.83	9,360.00	-1,264.23	3,411.26	3,407.49	0.00	0.00	0.00
12,100.00	90.00	89.83	9,360.00	-1,263.94	3,511.26	3,507.49	0.00	0.00	0.00
12,200.00	90.00	89.83	9,360.00	-1,263.64	3,611.26	3,607.49	0.00	0.00	0.00
12,300.00	90.00	89.83	9,360.00	-1,263.34	3,711.26	3,707.49	0.00	0.00	0.00
12,400.00	90.00	89.83	9,360.00	-1,263.04	3,811.26	3,807.49	0.00	0.00	0.00
12,500.00	90.00	89.83	9,360.00	-1,262.74	3,911.26	3,907.49	0.00	0.00	0.00
12,600.00	90.00	89.83	9,360.00	-1,262.44	4,011.26	4,007.49	0.00	0.00	0.00
12,700.00	90.00	89.83	9,360.00	-1,262.15	4,111.26	4,107.49	0.00	0.00	0.00
12,800.00	90.00	89.83	9,360.00	-1,261.85	4,211.26	4,207.49	0.00	0.00	0.00
12,900.00	90.00	89.83	9,360.00	-1,261.55	4,311.26	4,307.49	0.00	0.00	0.00
13,000.00	90.00	89.83	9,360.00	-1,261.25	4,411.26	4,407.49	0.00	0.00	0.00
13,100.00	90.00	89.83	9,360.00	-1,260.95	4,511.25	4,507.49	0.00	0.00	0.00
13,200.00	90.00	89.83	9,360.00	-1,260.66	4,611.25	4,607.49	0.00	0.00	0.00
13,300.00	90.00	89.83	9,360.00	-1,260.36	4,711.25	4,707.49	0.00	0.00	0.00
13,400.00	90.00	89.83	9,360.00	-1,260.06	4,811.25	4,807.49	0.00	0.00	0.00
13,500.00	90.00	89.83	9,360.00	-1,259.76	4,911.25	4,907.49	0.00	0.00	0.00
13,600.00	90.00	89.83	9,360.00	-1,259.46	5,011.25	5,007.49	0.00	0.00	0.00
13,700.00	90.00	89.83	9,360.00	-1,259.16	5,111.25	5,107.49	0.00	0.00	0.00
13,800.00	90.00	89.83	9,360.00	-1,258.87	5,211.25	5,207.49	0.00	0.00	0.00
13,900.00	90.00	89.83	9,360.00	-1,258.57	5,311.25	5,307.49	0.00	0.00	0.00



Dixon Directional Planning Report



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3717.10usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3717.10usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Wellbore:	211H		
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)
14,000.00	90.00	89.83	9,360.00	-1,258.27	5,411.25	5,407.49	0.00	0.00	0.00
14,100.00	90.00	89.83	9,360.00	-1,257.97	5,511.25	5,507.49	0.00	0.00	0.00
14,200.00	90.00	89.83	9,360.00	-1,257.67	5,611.25	5,607.49	0.00	0.00	0.00
14,300.00	90.00	89.83	9,360.00	-1,257.38	5,711.25	5,707.49	0.00	0.00	0.00
14,400.00	90.00	89.83	9,360.00	-1,257.08	5,811.25	5,807.49	0.00	0.00	0.00
14,500.00	90.00	89.83	9,360.00	-1,256.78	5,911.25	5,907.49	0.00	0.00	0.00
14,600.00	90.00	89.83	9,360.00	-1,256.48	6,011.25	6,007.49	0.00	0.00	0.00
14,700.00	90.00	89.83	9,360.00	-1,256.18	6,111.25	6,107.49	0.00	0.00	0.00
14,800.00	90.00	89.83	9,360.00	-1,255.88	6,211.25	6,207.49	0.00	0.00	0.00
14,900.00	90.00	89.83	9,360.00	-1,255.59	6,311.25	6,307.49	0.00	0.00	0.00
15,000.00	90.00	89.83	9,360.00	-1,255.29	6,411.25	6,407.49	0.00	0.00	0.00
15,100.00	90.00	89.83	9,360.00	-1,254.99	6,511.25	6,507.49	0.00	0.00	0.00
15,200.00	90.00	89.83	9,360.00	-1,254.69	6,611.25	6,607.49	0.00	0.00	0.00
15,300.00	90.00	89.83	9,360.00	-1,254.39	6,711.25	6,707.49	0.00	0.00	0.00
15,400.00	90.00	89.83	9,360.00	-1,254.10	6,811.24	6,807.49	0.00	0.00	0.00
15,500.00	90.00	89.83	9,360.00	-1,253.80	6,911.24	6,907.49	0.00	0.00	0.00
15,600.00	90.00	89.83	9,360.00	-1,253.50	7,011.24	7,007.49	0.00	0.00	0.00
15,700.00	90.00	89.83	9,360.00	-1,253.20	7,111.24	7,107.49	0.00	0.00	0.00
15,800.00	90.00	89.83	9,360.00	-1,252.90	7,211.24	7,207.49	0.00	0.00	0.00
15,900.00	90.00	89.83	9,360.00	-1,252.60	7,311.24	7,307.49	0.00	0.00	0.00
16,000.00	90.00	89.83	9,360.00	-1,252.31	7,411.24	7,407.49	0.00	0.00	0.00
16,100.00	90.00	89.83	9,360.00	-1,252.01	7,511.24	7,507.49	0.00	0.00	0.00
16,200.00	90.00	89.83	9,360.00	-1,251.71	7,611.24	7,607.49	0.00	0.00	0.00
16,300.00	90.00	89.83	9,360.00	-1,251.41	7,711.24	7,707.49	0.00	0.00	0.00
16,400.00	90.00	89.83	9,360.00	-1,251.11	7,811.24	7,807.49	0.00	0.00	0.00
16,500.00	90.00	89.83	9,360.00	-1,250.82	7,911.24	7,907.49	0.00	0.00	0.00
16,600.00	90.00	89.83	9,360.00	-1,250.52	8,011.24	8,007.49	0.00	0.00	0.00
16,700.00	90.00	89.83	9,360.00	-1,250.22	8,111.24	8,107.49	0.00	0.00	0.00
16,800.00	90.00	89.83	9,360.00	-1,249.92	8,211.24	8,207.49	0.00	0.00	0.00
16,900.00	90.00	89.83	9,360.00	-1,249.62	8,311.24	8,307.49	0.00	0.00	0.00
17,000.00	90.00	89.83	9,360.00	-1,249.32	8,411.24	8,407.49	0.00	0.00	0.00
17,100.00	90.00	89.83	9,360.00	-1,249.03	8,511.24	8,507.49	0.00	0.00	0.00
17,200.00	90.00	89.83	9,360.00	-1,248.73	8,611.24	8,607.49	0.00	0.00	0.00
17,300.00	90.00	89.83	9,360.00	-1,248.43	8,711.24	8,707.49	0.00	0.00	0.00
17,400.00	90.00	89.83	9,360.00	-1,248.13	8,811.24	8,807.49	0.00	0.00	0.00
17,500.00	90.00	89.83	9,360.00	-1,247.83	8,911.24	8,907.49	0.00	0.00	0.00
17,600.00	90.00	89.83	9,360.00	-1,247.54	9,011.23	9,007.49	0.00	0.00	0.00
17,700.00	90.00	89.83	9,360.00	-1,247.24	9,111.23	9,107.49	0.00	0.00	0.00
17,800.00	90.00	89.83	9,360.00	-1,246.94	9,211.23	9,207.49	0.00	0.00	0.00
17,900.00	90.00	89.83	9,360.00	-1,246.64	9,311.23	9,307.49	0.00	0.00	0.00
18,000.00	90.00	89.83	9,360.00	-1,246.34	9,411.23	9,407.49	0.00	0.00	0.00
18,100.00	90.00	89.83	9,360.00	-1,246.04	9,511.23	9,507.49	0.00	0.00	0.00
18,200.00	90.00	89.83	9,360.00	-1,245.75	9,611.23	9,607.49	0.00	0.00	0.00
18,300.00	90.00	89.83	9,360.00	-1,245.45	9,711.23	9,707.49	0.00	0.00	0.00
18,400.00	90.00	89.83	9,360.00	-1,245.15	9,811.23	9,807.49	0.00	0.00	0.00
18,500.00	90.00	89.83	9,360.00	-1,244.85	9,911.23	9,907.49	0.00	0.00	0.00
18,600.00	90.00	89.83	9,360.00	-1,244.55	10,011.23	10,007.49	0.00	0.00	0.00
18,700.00	90.00	89.83	9,360.00	-1,244.26	10,111.23	10,107.49	0.00	0.00	0.00
18,800.00	90.00	89.83	9,360.00	-1,243.96	10,211.23	10,207.49	0.00	0.00	0.00
18,900.00	90.00	89.83	9,360.00	-1,243.66	10,311.23	10,307.49	0.00	0.00	0.00
19,000.00	90.00	89.83	9,360.00	-1,243.36	10,411.23	10,407.49	0.00	0.00	0.00
19,100.00	90.00	89.83	9,360.00	-1,243.06	10,511.23	10,507.49	0.00	0.00	0.00
19,200.00	90.00	89.83	9,360.00	-1,242.76	10,611.23	10,607.49	0.00	0.00	0.00
19,300.00	90.00	89.83	9,360.00	-1,242.47	10,711.23	10,707.49	0.00	0.00	0.00



Database:	EDM 5000.1 Dixon Directional	Local Co-ordinate Reference:	Well (02) Bond 33-34 FED COM 211H
Company:	PBEX	TVD Reference:	RKB - 30.5 @ 3717.10usft
Project:	Lea County, NM (N83 - NME)	MD Reference:	RKB - 30.5 @ 3717.10usft
Site:	Bond South Pad - Phase 1	North Reference:	Grid
Well:	(02) Bond 33-34 FED COM 211H	Survey Calculation Method:	Minimum Curvature
Wellbore:	211H		
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)	
19,400.00	90.00	89.83	9,360.00	-1,242.17	10,811.23	10,807.49	0.00	0.00	0.00	
19,500.00	90.00	89.83	9,360.00	-1,241.87	10,911.23	10,907.49	0.00	0.00	0.00	
19,600.00	90.00	89.83	9,360.00	-1,241.57	11,011.23	11,007.49	0.00	0.00	0.00	
19,700.00	90.00	89.83	9,360.00	-1,241.27	11,111.23	11,107.49	0.00	0.00	0.00	
19,800.00	90.00	89.83	9,360.00	-1,240.98	11,211.23	11,207.49	0.00	0.00	0.00	
19,900.00	90.00	89.83	9,360.00	-1,240.68	11,311.22	11,307.49	0.00	0.00	0.00	
20,000.00	90.00	89.83	9,360.00	-1,240.38	11,411.22	11,407.49	0.00	0.00	0.00	
20,100.00	90.00	89.83	9,360.00	-1,240.08	11,511.22	11,507.49	0.00	0.00	0.00	
20,200.00	90.00	89.83	9,360.00	-1,239.78	11,611.22	11,607.49	0.00	0.00	0.00	
20,300.00	90.00	89.83	9,360.00	-1,239.48	11,711.22	11,707.49	0.00	0.00	0.00	
20,327.35	90.00	89.83	9,360.00	-1,239.40	11,738.57	11,734.84	0.00	0.00	0.00	
TD at 20327.35										

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										
- Shape										
FTP/PP - v1 - (02) Bond	0.00	0.00	9,360.00	-1,270.45	1,325.43	617,983.42	711,688.81	32.69765644	-103.77956129	
- plan hits target center										
- Point										
LTP - v1 - (02) Bond 32-	0.00	0.00	9,360.00	-1,239.57	11,688.57	618,014.30	722,051.95	32.69758807	-103.74587409	
- plan misses target center by 0.02usft at 20277.35usft MD (9360.00 TVD, -1239.55 N, 11688.57 E)										
- Point										
PBHL - v1 - (02) Bond 3:	0.00	0.00	9,360.00	-1,239.40	11,738.57	618,014.47	722,101.95	32.69758778	-103.74571155	
- plan hits target center										
- Point										

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00	
2,937.54	2,920.89	-130.87	77.41	Start 3652.04 hold at 2937.54 MD	
6,589.58	6,379.11	-1,141.29	675.07	Start Drop -2.00	
7,527.12	7,300.00	-1,272.16	752.47	Start 1487.04 hold at 7527.12 MD	
9,014.16	8,787.04	-1,272.16	752.47	Start Build 10.00	
9,914.16	9,360.00	-1,270.45	1,325.43	Start 10413.19 hold at 9914.16 MD	
20,327.35	9,360.00	-1,239.40	11,738.57	TD at 20327.35	

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 539514

ACKNOWLEDGMENTS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 539514
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☒	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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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 539514

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 539514
	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
jeffrey.harrison	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.	1/2/2026